APPENDIX B

SURFACE WATER FIELD COLLECTION REPORTS



351681

CUMMINGS RITER

502/R - BAN

CUMMINGS RITER CONSULTANTS, INC.

WATER SAMPLE COLLECTION REPORT

PROJECT: Koppers Pond
PROJECT NO.: 502.10
SAMPLE DATE: 5/12/08
SAMPLE TIME (START/END): 17:05 /
SAMPLE COLLECTION EQUIPMENT: GRAB
DEPTH TO WATER PRIOR TO PURGING/SAMPLING (FT): — / —
RECHARGE TIME: —

SAMPLE ID: SW08-02-5/12/08
WELL NO.: —
SAMPLED BY:
SAMPLE SEQUENCE NO.:

MEASURED FROM ☐ TOC ☐ TOR ☐ GS

FIELD MEASUREMENTS		
pH	Standard Units	7.99
Specific Conductance	umho/cm	0.680
Water Temperature	°C	15.29
Dissolved Oxygen	ppm	10.49
Redox	mV	70.1
Turbidity	NTU	—

METER CALIBRATION PERFORMED? N ☐ Y ☑ DATE 5/12/08

WATER APPEARANCE, IMMISCIBLE PHASES OR ODORS:

SAMPLING FLOW RATE: 100 ml/min

SAMPLE TYPES COLLECTED

PARAMETER	VOLUME	# CONTAINERS	FIELD FILTERED?	PRESERVED?
N as NH_3	250 mL	1	Y ☐ N ☒	Y ☒ H_2SO_4 N ☐
total alk / hardness	500 mL	1	Y ☐ N ☒	Y ☒ HNO_3 N ☐
dissolved metals	500 mL	1	Y ☒ N ☐	Y ☒ HNO_3 N ☐
Pest/PCB	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
VOC	3x40mL	3	Y ☐ N ☒	Y ☒ HCl N ☐
BNA	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
CN	250mL	1	Y ☐ N ☒	Y ☒ NaOH N ☐
Fl/Nitrite/TSS	250 mL	1	Y ☐ N ☒	Y ☐ ____ N ☒
			Y ☐ N ☐	Y ☐ ____ N ☐
			Y ☐ N ☐	Y ☐ ____ N ☐

NUMBER OF CONTAINERS: 12
FILTRATION METHOD: .45 Micron
LABORATORY: Test America
DELIVERED VIA: ____ DATE: ____
WEATHER CONDITIONS: 60's cloudy
COMMENTS:

CUMMINGS RITER CONSULTANTS, INC.

WATER SAMPLE COLLECTION REPORT

PROJECT: Koppers Pond
PROJECT NO.: 502.10
SAMPLE DATE: 5 / 1 / 08
SAMPLE TIME (START/END): 16:50 / 16:58
SAMPLE COLLECTION EQUIPMENT: GRAB
DEPTH TO WATER PRIOR TO PURGING/SAMPLING (FT): — / —
RECHARGE TIME: —

SAMPLE ID: SW08-04-5/12/08
WELL NO.: —
SAMPLED BY:
SAMPLE SEQUENCE NO.:

MEASURED FROM ☐ TOC ☐ TOR ☐ GS

FIELD MEASUREMENTS		
pH	Standard Units	8.13
Specific Conductance	umho/cm	0.665
Water Temperature	°C	14.58
Dissolved Oxygen	ppm	10.54
Redox	mV	69.4
Turbidity	NTU	-

METER CALIBRATION PERFORMED? N ☐ Y ☒ DATE 5/12/08

WATER APPEARANCE, IMMISCIBLE PHASES OR ODORS:

SAMPLING FLOW RATE:

SAMPLE TYPES COLLECTED

PARAMETER	VOLUME	# CONTAINERS	FIELD FILTERED?		PRESERVED?	
N as NH_3	250 mL	1	Y ☐	N ☒	Y ☒ H_2SO_4	N ☐
total met/hardness	500 mL	1	Y ☐	N ☒	Y ☒ HNO_3	N ☐
dissolved metals	500 mL	1	Y ☒	N ☐	Y ☒ HNO_3	N ☐
Pest/PCB	2x 1L	2	Y ☐	N ☒	Y ☐ ____	N ☒
VOC	3x40mL	3	Y ☐	N ☒	Y ☒ HCl	N ☐
BNA	2x 1L	2	Y ☐	N ☒	Y ☐ ____	N ☒
CN	250mL	1	Y ☐	N ☒	Y ☒ NaOH	N ☐
Fl/Nitrate/TSS	250 mL	1	Y ☐	N ☒	Y ☐ ____	N ☒
			Y ☐	N ☐	Y ☐ ____	N ☐
			Y ☐	N ☐	Y ☐ ____	N ☐

NUMBER OF CONTAINERS: 12
FILTRATION METHOD: 45 Micron
LABORATORY: test America
DELIVERED VIA: ____ DATE: ____
WEATHER CONDITIONS: 60's- cloudy
COMMENTS:

f21/corp

CUMMINGS RITER CONSULTANTS, INC.

WATER SAMPLE COLLECTION REPORT

PROJECT: Koppers Pond
PROJECT NO.: 502.10
SAMPLE DATE: 5/12/08
SAMPLE TIME (START/END): 16:00 / 16:10
SAMPLE COLLECTION EQUIPMENT: GRAB
DEPTH TO WATER PRIOR TO PURGING/SAMPLING (FT): — / —
RECHARGE TIME: —

SAMPLE ID: SW08-05-5/12/08
WELL NO.: —
SAMPLED BY:
SAMPLE SEQUENCE NO.:

MEASURED FROM ☐ TOC ☐ TOR ☐ GS

FIELD MEASUREMENTS

pH	Standard Units	7.84
Specific Conductance	umho/cm	0.690
Water Temperature	°C	16.03
Dissolved Oxygen	ppm	9.17
Redox	mV	69.7
Turbidity	NTU	-

METER CALIBRATION PERFORMED? N ☐ Y ☒ DATE: 5/12/08

WATER APPEARANCE, IMMISCIBLE PHASES OR ODORS:

SAMPLING FLOW RATE: 100 ml/min

SAMPLE TYPES COLLECTED

PARAMETER	VOLUME	# CONTAINERS	FIELD FILTERED?	PRESERVED?
N as NH_3	250 mL	1	Y ☐ N ☒	Y ☒ H_2SO_4 N ☐
~~total~~ ~~& diss~~ hardness	500 mL	1	Y ☐ N ☒	Y ☒ HNO_3 N ☐
dissolved metals	500 mL	1	Y ☒ N ☐	Y ☒ HNO_3 N ☐
Pest/PCB	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
VOC	3x40mL	3	Y ☐ N ☒	Y ☒ HCl N ☐
BNA	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
CN	250mL	1	Y ☐ N ☒	Y ☒ NaOH N ☐
Fl/Nitrate/TSS	250 mL	1	Y ☐ N ☒	Y ☐ ____ N ☒
			Y ☐ N ☐	Y ☐ ____ N ☐
			Y ☐ N ☐	Y ☐ ____ N ☐

NUMBER OF CONTAINERS: 12
LABORATORY: test America
WEATHER CONDITIONS: 60's - Cloudy
FILTRATION METHOD:
DELIVERED VIA: DATE:
COMMENTS:

f21/corp

CUMMINGS RITER CONSULTANTS, INC.

WATER SAMPLE COLLECTION REPORT

PROJECT: Koppers Pond
PROJECT NO.: 502.10
SAMPLE DATE: 5/12/08
SAMPLE TIME (START/END): 15:20 / 15:47
SAMPLE COLLECTION EQUIPMENT: GRAB
DEPTH TO WATER PRIOR TO PURGING/SAMPLING (FT): — / —
RECHARGE TIME: —

SAMPLE ID: SW08-08-5/12/08
WELL NO.: —
SAMPLED BY:
SAMPLE SEQUENCE NO.:

MEASURED FROM ☐ TOC ☐ TOR ☐ GS

FIELD MEASUREMENTS		
pH	Standard Units	8.10
Specific Conductance	umho/cm	0.652
Water Temperature	°C	14.30
Dissolved Oxygen	ppm	10.75
Redox	mV	66.3
Turbidity	NTU	-

METER CALIBRATION PERFORMED? N ☐ Y ☒ DATE 5/12/08

WATER APPEARANCE, IMMISCIBLE PHASES OR ODORS:

SAMPLING FLOW RATE: 100 ml/min

SAMPLE TYPES COLLECTED

PARAMETER	VOLUME	# CONTAINERS	FIELD FILTERED?	PRESERVED?
N as NH_3	250 mL	1	Y ☐ N ☒	Y ☒ H_2SO_4 N ☐
total & diss. hardness	500 mL	1	Y ☐ N ☒	Y ☒ HNO_3 N ☐
Dissolved metals	500 mL	1	Y ☒ N ☐	Y ☒ HNO_3 N ☐
Pest/PCB	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
VOC	3x40mL	3	Y ☐ N ☒	Y ☒ HCl N ☐
BNA	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
CN	250mL	1	Y ☐ N ☒	Y ☒ NaOH N ☐
Fl/Nitrate/TSS	250 mL	1	Y ☐ N ☒	Y ☐ ____ N ☒
			Y ☐ N ☐	Y ☐ ____ N ☐
			Y ☐ N ☐	Y ☐ ____ N ☐

NUMBER OF CONTAINERS: 12
FILTRATION METHOD: 45 micron
LABORATORY: test America
DELIVERED VIA: DATE:
WEATHER CONDITIONS: 60's - cloudy
COMMENTS:

f21/corp

CUMMINGS RITER CONSULTANTS, INC.

WATER SAMPLE COLLECTION REPORT

PROJECT: Koppers Pond
PROJECT NO.: 502.10
SAMPLE DATE: 5/12/08
SAMPLE TIME (START/END): 14:10 / 14:40
SAMPLE COLLECTION EQUIPMENT: GRAB
DEPTH TO WATER PRIOR TO PURGING/SAMPLING (FT): — / —
RECHARGE TIME: —

SAMPLE ID: SW08-10-5/12/08
WELL NO.: —
SAMPLED BY:
SAMPLE SEQUENCE NO.:

MEASURED FROM ☐ TOC ☐ TOR ☐ GS

FIELD MEASUREMENTS

pH	Standard Units	8.01
Specific Conductance	umho/cm	0.652
Water Temperature	°C	14.21
Dissolved Oxygen	ppm	10.33
Redox	mV	53.7
Turbidity	NTU	—

METER CALIBRATION PERFORMED? N ☐ Y ☒ DATE 5/12/08

WATER APPEARANCE, IMMISCIBLE PHASES OR ODORS:

SAMPLING FLOW RATE: 100 ml/min

SAMPLE TYPES COLLECTED

PARAMETER	VOLUME	# CONTAINERS	FIELD FILTERED?	PRESERVED?
N as NH_3	250 mL	1	Y ☐ N ☒	Y ☒ H_2SO_4 N ☐
total/diss hardness	500 mL	1	Y ☐ N ☒	Y ☒ HNO_3 N ☐
dissolved metals	500 mL	1	Y ☒ N ☐	Y ☒ HNO_3 N ☐
Pest/PCB	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
VOC	3x40mL	3	Y ☐ N ☒	Y ☒ HCl N ☐
BNA	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
CN	250mL	1	Y ☐ N ☒	Y ☒ NaOH N ☐
Fl/Nitrate/TSS	250 mL	1	Y ☐ N ☒	Y ☐ ____ N ☒
			Y ☐ N ☐	Y ☐ ____ N ☐
			Y ☐ N ☐	Y ☐ ____ N ☐

NUMBER OF CONTAINERS: 12
LABORATORY: test America
WEATHER CONDITIONS: 60's Cloudy
FILTRATION METHOD: 45 micron
DELIVERED VIA: ____ DATE: ____
COMMENTS:

f21/corp

CUMMINGS RITER CONSULTANTS, INC.

WATER SAMPLE COLLECTION REPORT

PROJECT: Koppers Pond
SAMPLE ID: SW08-13-5/12/08
PROJECT NO.: 502.10
WELL NO.: —
SAMPLE DATE: 5/12/08
SAMPLED BY:
SAMPLE TIME (START/END): 13:20 / 14:00
SAMPLE SEQUENCE NO.:
SAMPLE COLLECTION EQUIPMENT: GRAB
DEPTH TO WATER PRIOR TO PURGING/SAMPLING (FT): — / —
RECHARGE TIME: —
MEASURED FROM ☐ TOC ☐ TOR ☐ GS

FIELD MEASUREMENTS

pH	Standard Units	7.91
Specific Conductance	umho/cm	0.658
Water Temperature	°C	13.34
Dissolved Oxygen	ppm	8.73
Redox	mV	17.9
Turbidity	NTU	-

METER CALIBRATION PERFORMED? N ☐ Y ☑ DATE 5/12/08
WATER APPEARANCE, IMMISCIBLE PHASES OR ODORS:
SAMPLING FLOW RATE: 100 ml/min

SAMPLE TYPES COLLECTED

PARAMETER	VOLUME	# CONTAINERS	FIELD FILTERED?	PRESERVED?
N as NH_3	250 mL	1	Y ☐ N ☒	Y ☒ H_2SO_4 N ☐
total metals hardness	500 mL	1	Y ☐ N ☒	Y ☒ HNO_3 N ☐
dissolved metals	500 mL	1	Y ☒ N ☐	Y ☒ HNO_3 N ☐
Pest/PCB	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
VOC	3x 40mL	3	Y ☐ N ☒	Y ☒ HCl N ☐
BNA	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
CN	250mL	1	Y ☐ N ☒	Y ☒ NaOH N ☐
Fl/Nitrate/TSS	250 mL	1	Y ☐ N ☒	Y ☐ ____ N ☒
			Y ☐ N ☐	Y ☐ ____ N ☐
			Y ☐ N ☐	Y ☐ ____ N ☐

NUMBER OF CONTAINERS: 12
FILTRATION METHOD: 45 MICRON
LABORATORY: test America
DELIVERED VIA: ____ DATE: ____
WEATHER CONDITIONS: 60's - Cloudy
COMMENTS:

CUMMINGS RITER CONSULTANTS, INC.

WATER SAMPLE COLLECTION REPORT

PROJECT: Koppers Pond
SAMPLE ID: SW08-14/MS/MSD
PROJECT NO.: 502.10
WELL NO.: —
SAMPLE DATE: 5/12/08
SAMPLED BY: BRM/CAC
SAMPLE TIME (START/END): 1405 / 1420
SAMPLE SEQUENCE NO.:
SAMPLE COLLECTION EQUIPMENT: GRAB
DEPTH TO WATER PRIOR TO PURGING/SAMPLING (FT): — / —
RECHARGE TIME: —
MEASURED FROM ☐ TOC ☐ TOR ☐ GS

FIELD MEASUREMENTS		
pH	Standard Units	7.91
Specific Conductance	umho/cm	970.1
Water Temperature	°C	15.8
Dissolved Oxygen	ppm	-
Redox	mV	157
Turbidity	NTU	-

METER CALIBRATION PERFORMED? N ☐ Y ☑ DATE 5/12/08
WATER APPEARANCE, IMMISCIBLE PHASES OR ODORS: slightly turbid
SAMPLING FLOW RATE:

SAMPLE TYPES COLLECTED

PARAMETER	VOLUME	# CONTAINERS	FIELD FILTERED?	PRESERVED?
N as NH_3	250 mL	1	Y ☐ N ☒	Y ☒ H_2SO_4 N ☐
~~total~~ metals/hardness	500 mL	1	Y ☐ N ☒	Y ☒ HNO_3 N ☐
Dissolved metals	500 mL	1	Y ☒ N ☐	Y ☒ HNO_3 N ☐
Pest/PCB	2x 1L	2	Y ☐ N ☑	Y ☐ ____ N ☒
VOC	3x40mL	3	Y ☐ N ☒	Y ☒ HCl N ☐
BNA	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
CN	250mL	1	Y ☐ N ☒	Y ☒ NaOH N ☐
Fl/Nitrate/TSS	250 mL	1	Y ☐ N ☒	Y ☐ ____ N ☒
			Y ☐ N ☐	Y ☐ ____ N ☐
			Y ☐ N ☐	Y ☐ ____ N ☐

NUMBER OF CONTAINERS: 12
FILTRATION METHOD: Peristaltic Pump
LABORATORY: test America
DELIVERED VIA: ____ DATE: ____
WEATHER CONDITIONS:
COMMENTS:

f21/corp

CUMMINGS RITER CONSULTANTS, INC.

WATER SAMPLE COLLECTION REPORT

PROJECT: Koppers Pond
SAMPLE ID: SW08-15
PROJECT NO.: 502.10
WELL NO.: —
SAMPLE DATE: 5/12/08
SAMPLED BY: BLM/CAC
SAMPLE TIME (START/END): 1500 / 1510
SAMPLE SEQUENCE NO.:
SAMPLE COLLECTION EQUIPMENT: GRAB
DEPTH TO WATER PRIOR TO PURGING/SAMPLING (FT): — / —
RECHARGE TIME: —
MEASURED FROM ☐ TOC ☐ TOR ☐ GS

FIELD MEASUREMENTS		
pH	Standard Units	8.14
Specific Conductance	umho/cm	949.3
Water Temperature	°C	15.7
Dissolved Oxygen	ppm	-
Redox	mV	152
Turbidity	NTU	-

METER CALIBRATION PERFORMED? N ☐ Y ☑ DATE 5/12/08
WATER APPEARANCE, IMMISCIBLE PHASES OR ODORS: slightly turbid - slight sheen
SAMPLING FLOW RATE:

SAMPLE TYPES COLLECTED

PARAMETER	VOLUME	# CONTAINERS	FIELD FILTERED?	PRESERVED?
N as NH_3	250 mL	1	Y ☐ N ☒	Y ☒ H_2SO_4 N ☐
total/diss metals/hardness	500 mL	1	Y ☐ N ☒	Y ☒ HNO_3 N ☐
dissolved metals	500 mL	1	Y ☒ N ☐	Y ☒ HNO_3 N ☐
Pest/PCB	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
VOC	3x40mL	3	Y ☐ N ☒	Y ☒ HCl N ☐
BNA	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
CN	250mL	1	Y ☐ N ☒	Y ☒ NaOH N ☐
Fl/Nitrate/TSS	250 mL	1	Y ☐ N ☒	Y ☐ ____ N ☒
			Y ☐ N ☐	Y ☐ ____ N ☐
			Y ☐ N ☐	Y ☐ ____ N ☐

NUMBER OF CONTAINERS: 12
FILTRATION METHOD: Peristaltic Pump
LABORATORY: test America
DELIVERED VIA: ____ DATE: ____
WEATHER CONDITIONS:
COMMENTS: Shipment

f21/corp

CUMMINGS RITER CONSULTANTS, INC.

WATER SAMPLE COLLECTION REPORT

PROJECT: Koppers Pond
SAMPLE ID: SW08-16
PROJECT NO.: 502.10
WELL NO.: —
SAMPLE DATE: 5/12/08
SAMPLED BY: BNM/CAC
SAMPLE TIME (START/END): 1320 / 1330
SAMPLE SEQUENCE NO.:
SAMPLE COLLECTION EQUIPMENT: GRAB
DEPTH TO WATER PRIOR TO PURGING/SAMPLING (FT): — / —
RECHARGE TIME: —
MEASURED FROM ☐ TOC ☐ TOR ☐ GS

FIELD MEASUREMENTS		
pH	Standard Units	7.99
Specific Conductance	umho/cm	960.5
Water Temperature	°C	14.9
Dissolved Oxygen	ppm	—
Redox	mV	120
Turbidity	NTU	—

METER CALIBRATION PERFORMED? N ☐ Y ☑ DATE 5/12/08
WATER APPEARANCE, IMMISCIBLE PHASES OR ODORS: slightly turbid
SAMPLING FLOW RATE:

SAMPLE TYPES COLLECTED

PARAMETER	VOLUME	# CONTAINERS	FIELD FILTERED?	PRESERVED?
N as NH_3	250 mL	1	Y ☐ N ☒	Y ☒ H_2SO_4 N ☐
total Metals/hardness	500 mL	1	Y ☐ N ☒	Y ☒ HNO_3 N ☐
dissolved metals	500 mL	1	Y ☒ N ☐	Y ☒ HNO_3 N ☐
Pest/PCB	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
VOC	3x40mL	3	Y ☐ N ☒	Y ☒ HCl N ☐
BNA	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
CN	250mL	1	Y ☐ N ☒	Y ☒ NaOH N ☐
Fl/Nitrate/TSS	250 mL	1	Y ☐ N ☒	Y ☐ ____ N ☒
			Y ☐ N ☐	Y ☐ ____ N ☐
			Y ☐ N ☐	Y ☐ ____ N ☐

NUMBER OF CONTAINERS: 12
FILTRATION METHOD: Peristaltic Pump
LABORATORY: test America
DELIVERED VIA: ____ DATE: ____
WEATHER CONDITIONS:
COMMENTS:

CUMMINGS RITER CONSULTANTS, INC.

WATER SAMPLE COLLECTION REPORT

PROJECT: Koppers Pond | SAMPLE ID: SW08-17
PROJECT NO.: 502.10 | WELL NO.: —
SAMPLE DATE: 5 / 12 / 08 | SAMPLED BY: BAM/CAC
SAMPLE TIME (START/END): 1240 / 1250 | SAMPLE SEQUENCE NO.: —
SAMPLE COLLECTION EQUIPMENT: GRAB
DEPTH TO WATER PRIOR TO PURGING/SAMPLING (FT): — / —
RECHARGE TIME: — | MEASURED FROM ☐ TOC ☐ TOR ☐ GS

FIELD MEASUREMENTS		
pH	Standard Units	7.76
Specific Conductance	umho/cm	970.5
Water Temperature	°C	14.9
Dissolved Oxygen	ppm	—
Redox	mV	114
Turbidity	NTU	—

METER CALIBRATION PERFORMED? N ☐ Y ☑ DATE 5-12-08
WATER APPEARANCE, IMMISCIBLE PHASES OR ODORS: slightly turbid
SAMPLING FLOW RATE:

SAMPLE TYPES COLLECTED

PARAMETER	VOLUME	# CONTAINERS	FIELD FILTERED?	PRESERVED?
N as NH_3	250 mL	1	Y ☐ N ☒	Y ☒ H_2SO_4 N ☐
✓ total/total hardness	500 mL	1	Y ☐ N ☒	Y ☒ HNO_3 N ☐
Dissolved metals	500 mL	1	Y ☒ N ☐	Y ☒ HNO_3 N ☐
✓ Pest/PCB	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
✓ VOC	3x40mL	3	Y ☐ N ☒	Y ☒ HCl N ☐
✓ BNA	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
✓ CN	250mL	1	Y ☐ N ☒	Y ☒ NaOH N ☐
Fl/Nitrate/TSS	250 mL	1	Y ☐ N ☒	Y ☐ ____ N ☒
			Y ☐ N ☐	Y ☐ ____ N ☐
			Y ☐ N ☐	Y ☐ ____ N ☐

NUMBER OF CONTAINERS: 12 | FILTRATION METHOD: —
LABORATORY: TestAmerica | DELIVERED VIA: — | DATE: —
WEATHER CONDITIONS: —
COMMENTS: —

CUMMINGS RITER CONSULTANTS, INC.

WATER SAMPLE COLLECTION REPORT

PROJECT: Koppers Pond | SAMPLE ID: SW08-21
PROJECT NO.: 502.10 | WELL NO.: —
SAMPLE DATE: 5/6/08 | SAMPLED BY: BRM/LED
SAMPLE TIME (START/END): 1420/1430 | SAMPLE SEQUENCE NO.:
SAMPLE COLLECTION EQUIPMENT: GRAB
DEPTH TO WATER PRIOR TO PURGING/SAMPLING (FT): — / —
RECHARGE TIME: — | MEASURED FROM ☐ TOC ☐ TOR ☐ GS

FIELD MEASUREMENTS		
pH	Standard Units	6.73
Specific Conductance	umho/cm	970.8
Water Temperature	°C	15.2
Dissolved Oxygen	ppm	
Redox	mV	135
Turbidity	NTU	

METER CALIBRATION PERFORMED? N ☐ Y ☑ DATE 5/6/08
WATER APPEARANCE, IMMISCIBLE PHASES OR ODORS: clear
SAMPLING FLOW RATE: —

SAMPLE TYPES COLLECTED

PARAMETER	VOLUME	# CONTAINERS	FIELD FILTERED?	PRESERVED?
N as NH_3	250 mL	1	Y ☐ N ☒	Y ☒ H_2SO_4 N ☐
total metals/hardness	500 mL	1	Y ☐ N ☒	Y ☒ HNO_3 N ☐
dissolved metals	500 mL	1	Y ☒ N ☐	Y ☒ HNO_3 N ☐
Pest/PCB	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
VOC	3x40mL	3	Y ☐ N ☒	Y ☒ HCl N ☐
BNA	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
CN	250mL	1	Y ☐ N ☒	Y ☒ NaOH N ☐
Fl/Nitrite/TSS	250 mL	1	Y ☐ N ☒	Y ☐ ____ N ☒
			Y ☐ N ☐	Y ☐ ____ N ☐
			Y ☐ N ☐	Y ☐ ____ N ☐

NUMBER OF CONTAINERS: 12 | FILTRATION METHOD: P. pump
LABORATORY: test America | DELIVERED VIA: Fedex | DATE: 5/7/08
WEATHER CONDITIONS: Sunny 70°
COMMENTS: Chemung St. outfall (72")

f21/corp

CUMMINGS RITER CONSULTANTS, INC.

WATER SAMPLE COLLECTION REPORT

PROJECT: Koppers Pond | SAMPLE ID: SW08-22 | SW08-DUP1
PROJECT NO.: 502.10 | WELL NO.: —
SAMPLE DATE: 5 / 6 / 08 | SAMPLED BY: BRM
SAMPLE TIME (START/END): 1530 / 1555 | SAMPLE SEQUENCE NO.:
SAMPLE COLLECTION EQUIPMENT: GRAB from effluent sample port
DEPTH TO WATER PRIOR TO PURGING/SAMPLING (FT): — / —
RECHARGE TIME: — | MEASURED FROM ☐ TOC ☐ TOR ☐ GS

FIELD MEASUREMENTS		
pH	Standard Units	6.99
Specific Conductance	umho/cm	~~9770~~ 9773
Water Temperature	°C	13.1
Dissolved Oxygen	ppm	
Redox	mV	126
Turbidity	NTU	

METER CALIBRATION PERFORMED? N ☐ Y ☑ DATE 5/6/08
WATER APPEARANCE, IMMISCIBLE PHASES OR ODORS: clear
SAMPLING FLOW RATE: —

SAMPLE TYPES COLLECTED

PARAMETER	VOLUME	# CONTAINERS	FIELD FILTERED?	PRESERVED?
N as NH_3	250 mL	1 x2	Y ☐ N ☒	Y ☒ H_2SO_4 N ☐
~~total~~ Metals/hardness	500 mL	1 x2	Y ☐ N ☒	Y ☒ HNO_3 N ☐
dissolved metals	500 mL	1 x2	Y ☒ N ☐	Y ☒ HNO_3 N ☐
Pest/PCB	2x 1L	2 x2	Y ☐ N ☒	Y ☐ ____ N ☒
VOC	3x40mL	3 x2	Y ☐ N ☒	Y ☒ HCl N ☐
BNA	2x 1L	2 x2	Y ☐ N ☒	Y ☐ ____ N ☒
CN	250mL	1 x2	Y ☐ N ☒	Y ☒ NaOH N ☐
Fl/Nitrite/TSS	250 mL	1 x2	Y ☐ N ☒	Y ☐ ____ N ☒
			Y ☐ N ☐	Y ☐ ____ N ☐
			Y ☐ N ☐	Y ☐ ____ N ☐

NUMBER OF CONTAINERS: 12 x2 | FILTRATION METHOD: P.pump
LABORATORY: test America | DELIVERED VIA: fedex | DATE: 5/7/08
WEATHER CONDITIONS: Indoors
COMMENTS: Westinghouse Barrier well treatment system effluent

f21/corp

CUMMINGS RITER CONSULTANTS, INC.

WATER SAMPLE COLLECTION REPORT

PROJECT: Koppers Pond | SAMPLE ID: SW08-23
PROJECT NO.: 502.10 | WELL NO.: —
SAMPLE DATE: 5 / 6 / 08 | SAMPLED BY: BCH
SAMPLE TIME (START/END): 1640 / 1505 | SAMPLE SEQUENCE NO.:
SAMPLE COLLECTION EQUIPMENT: GRAB
DEPTH TO WATER PRIOR TO PURGING/SAMPLING (FT): — / —
RECHARGE TIME: — | MEASURED FROM ☐ TOC ☐ TOR ☐ GS

FIELD MEASUREMENTS		
pH	Standard Units	7.45
Specific Conductance	umho/cm	696.9
Water Temperature	C	15.9
Dissolved Oxygen	ppm	
Redox	mV	129
Turbidity	NTU	

METER CALIBRATION PERFORMED? N ☐ Y ☑ DATE 5/6/08
WATER APPEARANCE, IMMISCIBLE PHASES OR ODORS: clear, some granular sediment at bottom of cup
SAMPLING FLOW RATE:

SAMPLE TYPES COLLECTED

PARAMETER	VOLUME	# CONTAINERS	FIELD FILTERED?	PRESERVED?
N as NH_3	250 mL	1	Y ☐ N ☒	Y ☒ H_2SO_4 N ☐
total metals/hardness	500 mL	1	Y ☐ N ☒	Y ☒ HNO_3 N ☐
dissolved metals	500 mL	1	Y ☒ N ☐	Y ☒ HNO_3 N ☐
Pest/PCB	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
VOC	3x 40mL	3	Y ☐ N ☒	Y ☒ HCl N ☐
BNA	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
CN	250mL	1	Y ☐ N ☒	Y ☒ NaOH N ☐
Fl/Nitrite/TSS	250 mL	1	Y ☐ N ☒	Y ☐ ____ N ☒
			Y ☐ N ☐	Y ☐ ____ N ☐
			Y ☐ N ☐	Y ☐ ____ N ☐

NUMBER OF CONTAINERS: 12 | FILTRATION METHOD: P. pump
LABORATORY: test America | DELIVERED VIA: fedex | DATE: 5/7/08
WEATHER CONDITIONS: sunny 65°
COMMENTS: Cutler-Hammer effluent

f21/corp

CUMMINGS RITER CONSULTANTS, INC.

WATER SAMPLE COLLECTION REPORT

PROJECT: Koppers Pond | SAMPLE ID: SW08-24
PROJECT NO.: 502.10 | WELL NO.: —
SAMPLE DATE: 5/7/08 | SAMPLED BY: BCA
SAMPLE TIME (START/END): 1110 / 1125 | SAMPLE SEQUENCE NO.: —
SAMPLE COLLECTION EQUIPMENT: GRAB
DEPTH TO WATER PRIOR TO PURGING/SAMPLING (FT): — / —
RECHARGE TIME: — | MEASURED FROM ☐ TOC ☐ TOR ☐ GS

FIELD MEASUREMENTS		
pH	Standard Units	7.27
Specific Conductance	umho/cm	980.4
Water Temperature	°C	15.1
Dissolved Oxygen	ppm	-
Redox	mV	108
Turbidity	NTU	-

METER CALIBRATION PERFORMED? N ☐ Y ☑ DATE 5/7/08
WATER APPEARANCE, IMMISCIBLE PHASES OR ODORS: Clear
SAMPLING FLOW RATE:

SAMPLE TYPES COLLECTED

PARAMETER	VOLUME	# CONTAINERS	FIELD FILTERED?		PRESERVED?	
N as NH_3	250 mL	1	Y ☐	N ☒	Y ☒ H_2SO_4	N ☐
~~total~~ metals / hardness	500 mL	1	Y ☐	N ☒	Y ☒ HNO_3	N ☐
dissolved metals	500 mL	1	Y ☒	N ☐	Y ☒ HNO_3	N ☐
Pest/PCB	2x 1L	2	Y ☐	N ☑	Y ☐ ____	N ☒
VOC	3x40mL	3	Y ☐	N ☒	Y ☒ HCl	N ☐
BNA	2x 1L	2	Y ☐	N ☑	Y ☐ ____	N ☒
CN	250mL	1	Y ☐	N ☑	Y ☒ NaOH	N ☐
Fl/Nitrate/TSS	250 mL	1	Y ☐	N ☒	Y ☐ ____	N ☒
			Y ☐	N ☐	Y ☐ ____	N ☐
			Y ☐	N ☐	Y ☐ ____	N ☐

NUMBER OF CONTAINERS: 12 | FILTRATION METHOD: P. pump
LABORATORY: Test America | DELIVERED VIA: drop off | DATE: 5/8/08
WEATHER CONDITIONS: Sunny 60°
COMMENTS:

f21/corp

CUMMINGS RITER CONSULTANTS, INC.

WATER SAMPLE COLLECTION REPORT

PROJECT: Koppers Pond | SAMPLE ID: SW08-25
PROJECT NO.: 502.10 | WELL NO.: —
SAMPLE DATE: 5/7/08 | SAMPLED BY: BPM/MAL/LDO
SAMPLE TIME (START/END): 1155 / 1205 | SAMPLE SEQUENCE NO.:
SAMPLE COLLECTION EQUIPMENT: GRAB
DEPTH TO WATER PRIOR TO PURGING/SAMPLING (FT): — / —
RECHARGE TIME: — | MEASURED FROM ☐ TOC ☐ TOR ☐ GS

FIELD MEASUREMENTS		
pH	Standard Units	7.36
Specific Conductance	umho/cm	1351
Water Temperature	°C	12.6
Dissolved Oxygen	ppm	—
Redox	mV	59
Turbidity	NTU	—

METER CALIBRATION PERFORMED? N ☐ Y ☑ DATE 5/7/08
WATER APPEARANCE, IMMISCIBLE PHASES OR ODORS: clear
SAMPLING FLOW RATE:

SAMPLE TYPES COLLECTED

PARAMETER	VOLUME	# CONTAINERS	FIELD FILTERED?	PRESERVED?
N as NH_3	250 mL	1	Y ☐ N ☒	Y ☒ H_2SO_4 N ☐
total/diss hardness	500 mL	1	Y ☐ N ☒	Y ☒ HNO_3 N ☐
dissolved metals	500 mL	1	Y ☒ N ☐	Y ☒ HNO_3 N ☐
Pest/PCB	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
VOC	3x 40mL	3	Y ☐ N ☒	Y ☒ HCl N ☐
BNA	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
CN	250mL	1	Y ☐ N ☒	Y ☒ NaOH N ☐
Fl/Nitrite/TSS	250 mL	1	Y ☐ N ☒	Y ☐ ____ N ☒
			Y ☐ N ☐	Y ☐ ____ N ☐
			Y ☐ N ☐	Y ☐ ____ N ☐

NUMBER OF CONTAINERS: 12 | FILTRATION METHOD: p. pump
LABORATORY: test America | DELIVERED VIA: drop off | DATE: 5/8/08
WEATHER CONDITIONS: sunny 60°
COMMENTS: flow observed at bottom of MH

f21/corp ~1500 gpm

CUMMINGS RITER CONSULTANTS, INC.

WATER SAMPLE COLLECTION REPORT

PROJECT: Koppers Pond
SAMPLE ID: SW08-26
PROJECT NO.: 502.10
WELL NO.: —
SAMPLE DATE: 5 / 7 / 08
SAMPLED BY: BCA (MAL/LEO
SAMPLE TIME (START/END): 1215 / 1230
SAMPLE SEQUENCE NO.:
SAMPLE COLLECTION EQUIPMENT: GRAB
DEPTH TO WATER PRIOR TO PURGING/SAMPLING (FT): — / —
RECHARGE TIME: —
MEASURED FROM ☐ TOC ☐ TOR ☐ GS

FIELD MEASUREMENTS		
pH	Standard Units	7.44
Specific Conductance	umho/cm	1300
Water Temperature	°C	15.2
Dissolved Oxygen	ppm	–
Redox	mV	35
Turbidity	NTU	–

METER CALIBRATION PERFORMED? N ☐ Y ☑ DATE 5/7/08
WATER APPEARANCE, IMMISCIBLE PHASES OR ODORS: Clear
SAMPLING FLOW RATE:

SAMPLE TYPES COLLECTED

PARAMETER	VOLUME	# CONTAINERS	FIELD FILTERED?		PRESERVED?	
N as NH_3	250 mL	1	Y ☐	N ☒	Y ☒ H_2SO_4	N ☐
total metals/hardness	500 mL	1	Y ☐	N ☒	Y ☒ HNO_3	N ☐
dissolved metals	500 mL	1	Y ☒	N ☐	Y ☒ HNO_3	N ☐
Pest/PCB	2x 1L	2	Y ☐	N ☒	Y ☐	N ☒
VOC	3x40mL	3	Y ☐	N ☒	Y ☒ HCl	N ☐
BNA	2x 1L	2	Y ☐	N ☒	Y ☐	N ☒
CN	250mL	1	Y ☐	N ☒	Y ☒ NaOH	N ☐
Fl/Nitrate/TSS	250 mL	1	Y ☐	N ☒	Y ☐	N ☒
			Y ☐	N ☐	Y ☐	N ☐
			Y ☐	N ☐	Y ☐	N ☐

NUMBER OF CONTAINERS: 12
FILTRATION METHOD: P. pump
LABORATORY: ~~Test America~~
DELIVERED VIA: drop off
DATE: 5/8/08
WEATHER CONDITIONS: Sunny 70°
COMMENTS:

CUMMINGS RITER CONSULTANTS, INC.

WATER SAMPLE COLLECTION REPORT

PROJECT: Koppers Pond | SAMPLE ID: SW08-27
PROJECT NO.: 502.10 | WELL NO.: —
SAMPLE DATE: 5/7/08 | SAMPLED BY: BRH/MAL/LEO
SAMPLE TIME (START/END): 1250 / 1300 | SAMPLE SEQUENCE NO.: —
SAMPLE COLLECTION EQUIPMENT: GRAB
DEPTH TO WATER PRIOR TO PURGING/SAMPLING (FT): — / —
RECHARGE TIME: — | MEASURED FROM ☐ TOC ☐ TOR ☐ GS

FIELD MEASUREMENTS		
pH	Standard Units	7.51
Specific Conductance	umho/cm	1864
Water Temperature	°C	13.9
Dissolved Oxygen	ppm	-
Redox	mV	-94
Turbidity	NTU	-

METER CALIBRATION PERFORMED? N ☐ Y ☑ DATE: 5/7/08
WATER APPEARANCE, IMMISCIBLE PHASES OR ODORS: clear
SAMPLING FLOW RATE: ✓

SAMPLE TYPES COLLECTED

PARAMETER	VOLUME	# CONTAINERS	FIELD FILTERED?	PRESERVED?
N as NH_3	250 mL	1	Y ☐ N ☒	Y ☒ H_2SO_4 N ☐
total metals/hardness	500 mL	1	Y ☐ N ☒	Y ☒ HNO_3 N ☐
dissolved metals	500 mL	1	Y ☒ N ☐	Y ☒ HNO_3 N ☐
Pest/PCB	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
VOC	3x40mL	3	Y ☐ N ☒	Y ☒ HCl N ☐
BNA	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
CN	250mL	1	Y ☐ N ☒	Y ☒ NaOH N ☐
Fl/Nitrate/TSS	250 mL	1	Y ☐ N ☒	Y ☐ ____ N ☒
			Y ☐ N ☐	Y ☐ ____ N ☐
			Y ☐ N ☐	Y ☐ ____ N ☐

NUMBER OF CONTAINERS: 12 | FILTRATION METHOD: P. pump
LABORATORY: test America | DELIVERED VIA: dropoff | DATE: 5/8/08
WEATHER CONDITIONS: pt cly sunny 70°
COMMENTS:

CUMMINGS RITER CONSULTANTS, INC.

WATER SAMPLE COLLECTION REPORT

PROJECT: Koppers Pond
SAMPLE ID: SW08-28
PROJECT NO.: 502.10
WELL NO.: —
SAMPLE DATE: 5 / 7 / 08
SAMPLED BY: BRC/LED
SAMPLE TIME (START/END): 910 / 925
SAMPLE SEQUENCE NO.:
SAMPLE COLLECTION EQUIPMENT: GRAB
DEPTH TO WATER PRIOR TO PURGING/SAMPLING (FT): — / —
RECHARGE TIME: —
MEASURED FROM ☐ TOC ☐ TOR ☐ GS

FIELD MEASUREMENTS		
pH	Standard Units	7.41
Specific Conductance	umho/cm	925.2
Water Temperature	°C	17.1
Dissolved Oxygen	ppm	–
Redox	mV	83
Turbidity	NTU	–

METER CALIBRATION PERFORMED? N ☐ Y ☑ DATE 5/7/08
WATER APPEARANCE, IMMISCIBLE PHASES OR ODORS: clear
SAMPLING FLOW RATE: —

SAMPLE TYPES COLLECTED

PARAMETER	VOLUME	# CONTAINERS	FIELD FILTERED?	PRESERVED?
N as NH_3	250 mL	1	Y ☐ N ☒	Y ☒ H_2SO_4 N ☐
total/total hardness	500 mL	1	Y ☐ N ☒	Y ☒ HNO_3 N ☐
dissolved metals	500 mL	1	Y ☒ N ☐	Y ☒ HNO_3 N ☐
Pest/PCB	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
VOC	3x40mL	3	Y ☐ N ☒	Y ☒ HCl N ☐
BNA	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
CN	250mL	1	Y ☐ N ☒	Y ☒ NaOH N ☐
Fl/Nitrate/TSS	250 mL	1	Y ☐ N ☒	Y ☐ ____ N ☒
			Y ☐ N ☐	Y ☐ ____ N ☐
			Y ☐ N ☐	Y ☐ ____ N ☐

NUMBER OF CONTAINERS: 12
FILTRATION METHOD: peristaltic pump
LABORATORY: test America
DELIVERED VIA: Lab Courier DATE: 5/8/08
WEATHER CONDITIONS: Sunny 50°
COMMENTS:

f21/corp

CUMMINGS RITER CONSULTANTS, INC.

WATER SAMPLE COLLECTION REPORT

PROJECT: Koppers Pond | SAMPLE ID: SW08-29
PROJECT NO.: 502.10 | WELL NO.: —
SAMPLE DATE: 5/7/08 | SAMPLED BY: BRM/leo
SAMPLE TIME (START/END): 815 / 830 | SAMPLE SEQUENCE NO.: —
SAMPLE COLLECTION EQUIPMENT: GRAB
DEPTH TO WATER PRIOR TO PURGING/SAMPLING (FT): — / —
RECHARGE TIME: — | MEASURED FROM ☐ TOC ☐ TOR ☐ GS

FIELD MEASUREMENTS		
pH	Standard Units	7.11
Specific Conductance	umho/cm	859.1
Water Temperature	°C	13.4
Dissolved Oxygen	ppm	—
Redox	mV	125
Turbidity	NTU	-

METER CALIBRATION PERFORMED? N ☐ Y ☑ DATE 5/7/08
WATER APPEARANCE, IMMISCIBLE PHASES OR ODORS: clear
SAMPLING FLOW RATE: —

SAMPLE TYPES COLLECTED

PARAMETER	VOLUME	# CONTAINERS	FIELD FILTERED?	PRESERVED?
N as NH_3	250 mL	1	Y ☐ N ☒	Y ☒ H_2SO_4 N ☐
total metals/hardness	500 mL	1	Y ☐ N ☒	Y ☒ HNO_3 N ☐
dissolved metals	500 mL	1	Y ☒ N ☐	Y ☒ HNO_3 N ☐
Pest/PCB	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
VOC	3x40mL	3	Y ☐ N ☒	Y ☒ HCl N ☐
BNA	2x 1L	2	Y ☐ N ☒	Y ☐ ____ N ☒
CN	250mL	1	Y ☐ N ☒	Y ☒ NaOH N ☐
Fl/Nitrite/TSS	250 mL	1	Y ☐ N ☒	Y ☐ ____ N ☒
			Y ☐ N ☐	Y ☐ ____ N ☐
			Y ☐ N ☐	Y ☐ ____ N ☐

NUMBER OF CONTAINERS: 12 | FILTRATION METHOD: P. pump
LABORATORY: test America | DELIVERED VIA: Depot | DATE: 5/8/08
WEATHER CONDITIONS: Sunny 50°
COMMENTS:

APPENDIX C

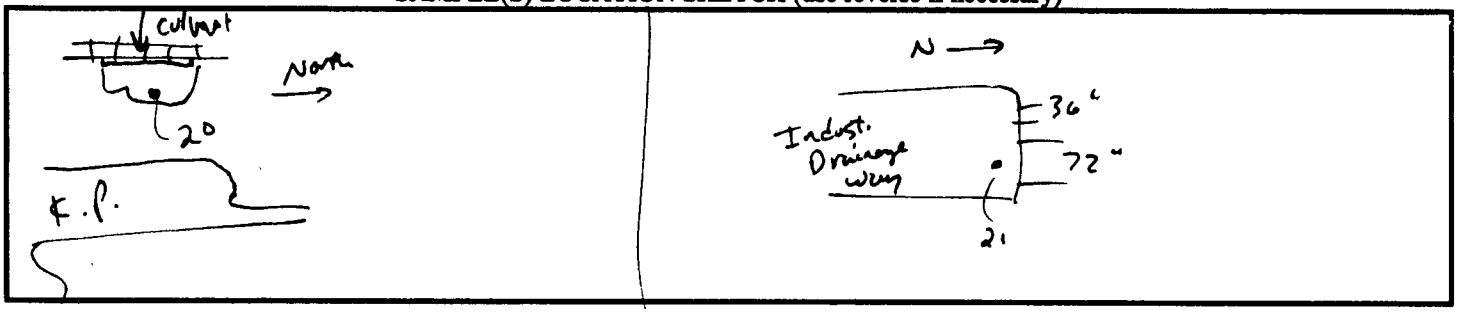
SEDIMENT FIELD COLLECTION REPORTS

CUMMINGS RITER CONSULTANTS, INC.

SOIL SAMPLE FIELD COLLECTION REPORT

Project Name	Koppers BND	Project No.	502.10
Date Collected	5/6/08	Time Collected	See Below
Collected By	BRM/LBO		
	Cummings/Riter Consultants		

SAMPLE(S) LOCATION SKETCH (use reverse if necessary)



Sample I.D. No.	Depth of Sample	Soil Description (Color, Composition, Staining, Odor, Field Measurements[1])
SD08-20 (1125)	0"-3"	Dk Brown-Black silt/sand/gravel/org. matter
SD08-21 (1130)	0"-4"	Dk Brown-Black silt/sand/gravel/org matter-/undissolved lime

Sampling Method: Grab w/ plastic scoop

Composite Sample? Y ☐ N ☑ Composite Sample I.D. No.:

Describe Compositing:

SAMPLE TYPES COLLECTED

Type[2]	Volume	Per Sample?		Per Composite?	
VOC	4 oz	Y ☑	N ☐	Y ☐	N ☐
BNA/Pest/PCB/Metals	8 oz	Y ☑	N ☐	Y ☐	N ☐
CN/TOC/TS	4 oz	Y ☑	N ☐	Y ☐	N ☐
		Y ☐	N ☐	Y ☐	N ☐

Number of Containers: 3 per sample

Date Received by Lab: 5/7/08 Laboratory: Test America

Weather Conditions: Sunny 70°

Remarks:

1. Organic vapor analysis, pocket penetrometer, etc.
2. Metals, VOA, organics, etc.

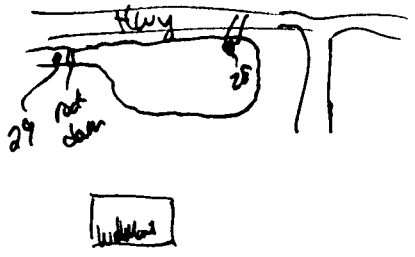
f17/corp

CUMMINGS RITER CONSULTANTS, INC.

SOIL SAMPLE FIELD COLLECTION REPORT

Project Name	Koppers BND	Project No.	502.10
Date Collected	5/7/08	Time Collected	See Below
Collected By	BRM (Cummings/Riter Consultants)		

SAMPLE(S) LOCATION SKETCH (use reverse if necessary)



Sample I.D. No.	Depth of Sample	Soil Description (Color, Composition, Staining, Odor, Field Measurements[1])
SD08-29 (8:45)	0"-6"	Brown to Dk Brown sand/silt/clay/cobbles/organic materials
SD08-28 (9:30)	0"-5"	Brown silty sand, org matter
SD08-24 (11:30)	0"-4"	Coarse sand & gravel, little silt, brown
SD08-27 (1310)	0"-2"	Dk. brown silt/organic matter (muck)

Sampling Method: 28/29 - grab w/ plastic scoop; 24/27 - grab w/ plastic dipper cup

Composite Sample? Y ☐ N ☑ Composite Sample I.D. No. _____

Describe Compositing _____

SAMPLE TYPES COLLECTED

Type[2]	Volume	Per Sample?		Per Composite?	
VOC	4 oz	Y ☑	N ☐	Y ☐	N ☐
BNA/Pest/PCB/Metals	8 oz	Y ☑	N ☐	Y ☐	N ☐
CN/TOC/TS	4 oz	Y ☑	N ☐	Y ☐	N ☐
		Y ☐	N ☐	Y ☐	N ☐

Number of Containers: 3 per sample

Date Received by Lab: 5/8/08 Laboratory: Test America

Weather Conditions: Sunny 50°-70°

Remarks _____

1. Organic vapor analysis, pocket penetrometer, etc.
2. Metals, VOA, organics, etc.

f17/corp

CUMMINGS RITER CONSULTANTS, INC.

SOIL SAMPLE FIELD COLLECTION REPORT

Project Name	Koppers BND	Project No.	502.10
Date Collected	5/12/08	Time Collected	See Below
Collected By	Ben Carr Cummings/Riter Consultants		

SAMPLE(S) LOCATION SKETCH (use reverse if necessary)

Sample I.D. No.	Depth of Sample	Soil Description (Color, Composition, Staining, Odor, Field Measurements[1])
SD08-17 (1300) MS/MSD	0-6"	Brown sandy silt + clay, org. matter.
SD08-16 (1335)	0-4"	Brown sandy silt, muck, org. matter
SD08-14 (1430)	0-5"	Brown to grey sandy silt + clay, org. matter
SD08-15 (1515)	3"	Brown to lt brown sandy silt + gravel, org matter

Sampling Method

Composite Sample? Y ☐ N ☐ Composite Sample I.D. No.

Describe Compositing

SAMPLE TYPES COLLECTED

Type[2]	Volume	Per Sample?		Per Composite?	
VOC	4 oz	Y ☑	N ☐	Y ☐	N ☐
BNA/Pest/PCB/Metals	8 oz	Y ☑	N ☐	Y ☐	N ☐
CN/TOC/TS	4 oz	Y ☑	N ☐	Y ☐	N ☐
		Y ☐	N ☐	Y ☐	N ☐

Number of Containers

Date Received by Lab / / Laboratory Test America

Weather Conditions

Remarks

1. Organic vapor analysis, pocket penetrometer, etc.
2. Metals, VOA, organics, etc.

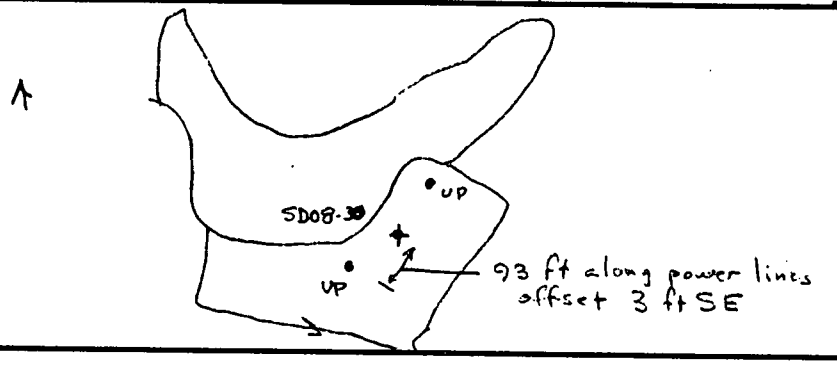
f17/corp

CUMMINGS RITER CONSULTANTS, INC.

SEDIMENT SAMPLE FIELD COLLECTION REPORT

Project Name	Koppers Pond -Horseheads, NY	Project No.	07502.10/03
Date Collected	5/14/08	Time Collected	1350
Collected By	LM BRAUSCH Cummings/Riter Consultants		

SAMPLE(S) LOCATION SKETCH (use reverse if necessary)



Sample I.D. No.	Depth of Sample	Sediment Description (Color, Composition, Staining, Odor, Field Measurements[1])
SD08-30	0-6"	Dark brown silt

Sampling Method: Hand shovel; spatula

Composite Sample? Y ☐ N ☒ Composite Sample I.D. No. _____

SAMPLE TYPES COLLECTED

Type[2]	Volume	Per Sample?		Per Composite?	
VOC	4 oz	Y ☑	N ☐	Y ☐	N ☐
BNA/PCB/Pest Meth 6	8 oz	Y ☑	N ☐	Y ☐	N ☐
CN/TOC/TS	4 oz	Y ☑	N ☐	Y ☐	N ☐
		Y ☐	N ☐	Y ☐	N ☐
		Y ☐	N ☐	Y ☐	N ☐
		Y ☐	N ☐	Y ☐	N ☐
		Y ☐	N ☐	Y ☐	N ☐
		Y ☐	N ☐	Y ☐	N ☐

Number of Containers: 3

Date Received by Lab: 5/15/08 Laboratory: TEST AMERICA

Weather Conditions: SUNNY, 70° F

Remarks: _____

1. Organic vapor analysis, pocket penetrometer, etc.
2. Metals, VOA, organics, etc.

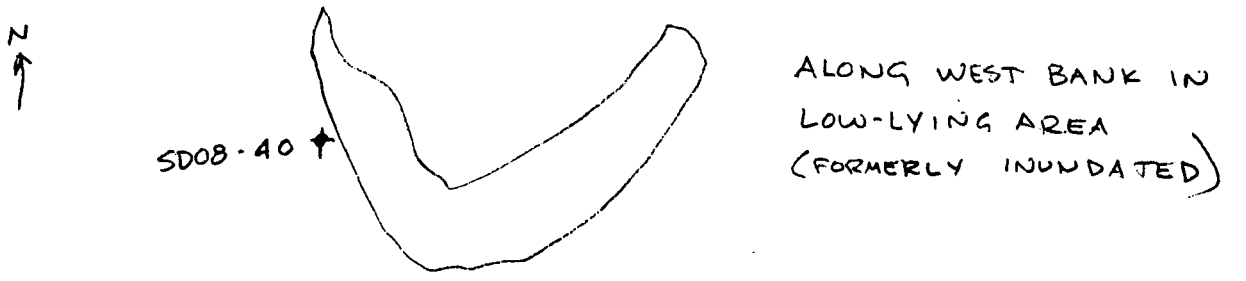
f17/corp

CUMMINGS RITER CONSULTANTS, INC.

SEDIMENT SAMPLE FIELD COLLECTION REPORT

Project Name	Koppers Pond -Horseheads, NY	Project No.	07502.10/03
Date Collected	5/14/08	Time Collected	1440
Collected By	LEO BRAUSCH Cummings/Riter Consultants		

SAMPLE(S) LOCATION SKETCH (use reverse if necessary)



Sample I.D. No.	Depth of Sample	Sediment Description (Color, Composition, Staining, Odor, Field Measurements[1])
SD08-40	0-6"	DARK BROWN SILT WITH SOME GRAVEL

Sampling Method: HAND SHOVEL AND SPATULA

Composite Sample? Y ☐ N ☒ Composite Sample I.D. No. ____

SAMPLE TYPES COLLECTED

Type[2]	Volume	Per Sample?		Per Composite?	
VOC	4 oz	Y ☑	N ☐	Y ☐	N ☐
BNA/PCB/PEST/METAL	8 oz	Y ☑	N ☐	Y ☐	N ☐
CN/TOC/TS	4 oz	Y ☑	N ☐	Y ☐	N ☐
		Y ☐	N ☐	Y ☐	N ☐
		Y ☐	N ☐	Y ☐	N ☐
		Y ☐	N ☐	Y ☐	N ☐
		Y ☐	N ☐	Y ☐	N ☐
		Y ☐	N ☐	Y ☐	N ☐

Number of Containers: 3

Date Received by Lab: 5/15/08 Laboratory: TESTAMERICA

Weather Conditions: PARTLY CLOUDY; 70°F

Remarks: ____

1. Organic vapor analysis, pocket penetrometer, etc.
2. Metals, VOA, organics, etc.

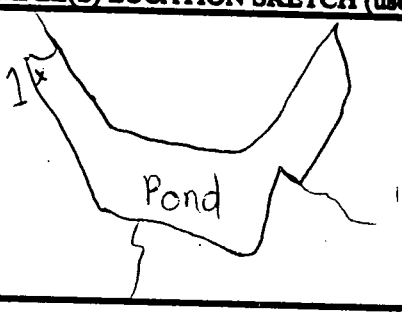
f17/corp

CUMMINGS RITER CONSULTANTS, INC.

SOIL SAMPLE FIELD COLLECTION REPORT

Project Name	Koppers Bnd	**Project No.**	502.10
Date Collected	5/14/08	**Time Collected**	See Below
Collected By	MRK/MAL		
	Cummings/Riter Consultants		

SAMPLE(S) LOCATION SKETCH (use reverse if necessary)



Time	Sample I.D. No.	Depth of Sample	Soil Description (Color, Composition, Staining, Odor, Field Measurements[1])
5:40	SD08-1(0-6)	0-6	dark brown sandy silt
5:40	SD08-1(6-18)	6-18	dark brown silty sand w/ light brown/grayish clay
5:40	SD08-1(18-30	18-30	dark brown sandy silt w/ clay
15:40	SD08-1(30-35)	30-35	" "

Sampling Method Acetate sleeves; Russian peat sampler for 30-35"

Composite Sample? Y ☐ N ☒ **Composite Sample I.D. No.**

Describe Compositing

SAMPLE TYPES COLLECTED

Type[2]	Volume	Per Sample?		Per Composite?	
VOC	4 oz	Y ☑	N ☐	Y ☐	N ☐
BNA/Pest/PCB/Metals	8 oz	Y ☑	N ☐	Y ☐	N ☐
Cn/Toc/TS	4 oz	Y ☑	N ☐	Y ☐	N ☐
AVS/SEM	4 oz.	Y ☐ (0-6") only	N ☐	Y ☐	N ☐

Number of Containers 13

Date Received by Lab 5/15/08 **Laboratory** Test America

Weather Conditions partly cloudy, 70°

Remarks (0-6") → pH = 7.27; ORP = -108 mV

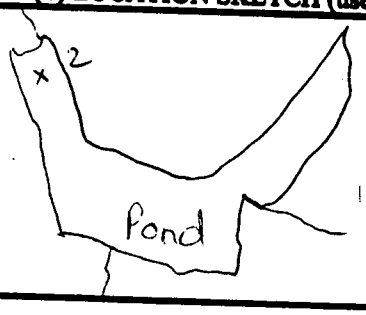
1. Organic vapor analysis, pocket penetrometer, etc.
2. Metals, VOA, organics, etc.

CUMMINGS RITER CONSULTANTS, INC.

SOIL SAMPLE FIELD COLLECTION REPORT

Project Name	Koppers Bnd	Project No.	502.10
Date Collected	5/14/08	Time Collected	See Below
Collected By	MRK/MAL (Cummings/Riter Consultants)		

SAMPLE(S) LOCATION SKETCH (use reverse if necessary)



	Sample I.D. No.	Depth of Sample	Soil Description (Color, Composition, Staining, Odor, Field Measurements[1])
14:20	SD08-2(0-6)	0-6	dark brown silt/muck
14:20	SD08-2(6-18)	6-18	dark brown silt + grayish clay
14:20	SD08-2(18-30)	18-30	grayish clay + dark brown silt
14:20	SD08-2(30-38)	30-38	grayish/light brown clay w/ silt

Sampling Method

Composite Sample? Y ☐ N ☒ Composite Sample I.D. No.

Describe Compositing 0-6 & 6-18 + half of 18-30 → acetate sleeves
24-30 + 30-38 → Russian peat sampler

SAMPLE TYPES COLLECTED

Type[2]	Volume	Per Sample?		Per Composite?	
VOC	4 oz	Y ☑	N ☐	Y ☐	N ☐
BNA/Pest/PCB/Metals	8 oz	Y ☑	N ☐	Y ☐	N ☐
Cn/Toc/TS	4 oz	Y ☑	N ☐	Y ☐	N ☐
AVS/SEM	4 oz	Y ☐ 0-6" only	N ☐	Y ☐	N ☐
				Y ☐	N ☐

Number of Containers 15

Date Received by Lab 5/15/08 Laboratory Test America

Weather Conditions sunny, 70°

Remarks (0-6) → ORP = -100mV; pH = 7.25
SD-Dup2 collected here at 6-18 inches.

1. Organic vapor analysis, pocket penetrometer, etc.
2. Metals, VOA, organics, etc.

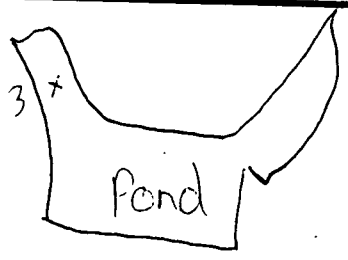
f17/corp

CUMMINGS RITER CONSULTANTS, INC.

SOIL SAMPLE FIELD COLLECTION REPORT

Project Name	Koppers BND	**Project No.**	502.10
Date Collected	5/14/08	**Time Collected**	See Below
Collected By	MRK/MAL (Cummings/Riter Consultants)		

SAMPLE(S) LOCATION SKETCH (use reverse if necessary)



Time	Sample I.D. No.	Depth of Sample	Soil Description (Color, Composition, Staining, Odor, Field Measurements[1])
2:30	SD08-3(0-6)	0-6	dark brown silt/muck
2:30	SD08-3(6-18)	6-18	dark brown sandy silt w/a little clay
2:30	SD08-3(18-25)	18-25	dark brown silty sand w/clay
3:10	SD08-3(25-29)	25-29	dark brown sandy silt

Sampling Method Acetate sleeves; Russian peat sampler for 25-29 inches.

Composite Sample? Y ☐ N ☒ **Composite Sample I.D. No.**

Describe Compositing

SAMPLE TYPES COLLECTED

Type[2]	Volume	Per Sample?		Per Composite?	
VOC	4 oz	Y ☑	N ☐	Y ☐	N ☐
SVOC/PEST/PCB/Metals	8 oz	Y ☑	N ☐	Y ☐	N ☐
CN/TOC/TS	4 oz	Y ☑	N ☐	Y ☐	N ☐
AVS/SEM	4 oz	Y ☐ 0-6" only	N ☐	Y ☐	N ☐
Grain size	32 oz	6-18" only		Y ☐	N ☐

Number of Containers 14

Date Received by Lab 5/15/08 **Laboratory** Test America

Weather Conditions sunny, 70°

Remarks (0-6") → pH = 7.25; ORP = -37 mV

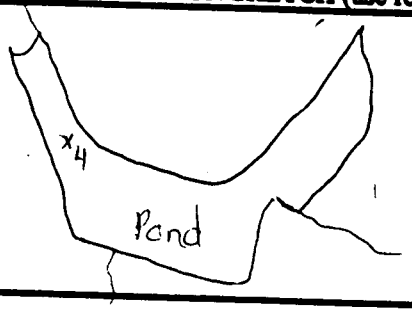
1. Organic vapor analysis, pocket penetrometer, etc.
2. Metals, VOA, organics, etc.

CUMMINGS RITER CONSULTANTS, INC.

SOIL SAMPLE FIELD COLLECTION REPORT

Project Name	Koppers Bnd	Project No.	502.10
Date Collected	5/14/08	Time Collected	See Below
Collected By	MRK/MAL		
	Cummings/Riter Consultants		

SAMPLE(S) LOCATION SKETCH (use reverse if necessary)



Time	Sample I.D. No.	Depth of Sample	Soil Description (Color, Composition, Staining, Odor, Field Measurements[1])
0:20	SD08-4(0-6)	0-6	dark brown silt/muck
10:20	SD08-4(6-18)	6-18	dark brown sandy silt w/clay
11:10	SD08-4(18-20)	18-20	dark brown sandy silt

Sampling Method: Ⓐ

Composite Sample? Y ☐ N ☒

Composite Sample I.D. No.:

Describe Compositing: Acetate sleeves; Russian peat sampler for 18-20".

SAMPLE TYPES COLLECTED

Type[2]	Volume	Per Sample?		Per Composite?	
VOC	4 oz	Y ☑	N ☐	Y ☐	N ☐
BNA/Pest/PCB/Metals	8 oz	Y ☑	N ☐	Y ☐	N ☐
CN/TOC/TS	4 oz	Y ☑	N ☐	Y ☐	N ☐
AVS/SEM	4 oz	Y ☐ (0-6") only	N ☐	Y ☐	N ☐
				Y ☐	N ☐

Number of Containers: 10

Date Received by Lab: 5/15/08

Laboratory: Test America

Weather Conditions: Sunny, 50-60's

Remarks: (0-6) → ORP = -33 mV; pH = 7.25

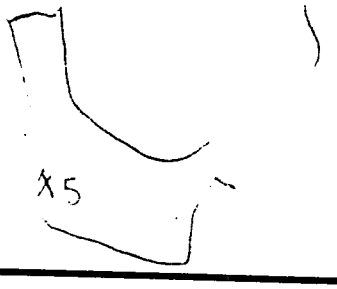
1. Organic vapor analysis, pocket penetrometer, etc.
2. Metals, VOA, organics, etc.

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SOIL SAMPLE FIELD COLLECTION REPORT

Project Name	Koppers BND	Project No.	502.10
Date Collected	5/13/08	Time Collected	See Below
Collected By	MRK/MAL		
	Cummings/Riter Consultants		

SAMPLE(S) LOCATION SKETCH (use reverse if necessary)



Time	Sample I.D. No.	Depth of Sample	Soil Description (Color, Composition, Staining, Odor, Field Measurements[1])
7:20	SD-2-S(6-6)	5-6	Dark brown sandy silt / muck
7:20	SD-2-S(6-13)	6-13	Dark brown sandy silty clay

Sampling Method: Acetate sleeves

Composite Sample? Y ☐ N ☒ Composite Sample I.D. No.:

Describe Compositing:

SAMPLE TYPES COLLECTED

Type[2]	Volume	Per Sample?		Per Composite?	
VOC	4 oz	Y ☑	N ☐	Y ☐	N ☐
BNA/Pest/PCB/Metals	8 oz	Y ☑	N ☐	Y ☐	N ☐
Cn/Toc/TS	4 oz	Y ☑	N ☐	Y ☐	N ☐
		Y ☐	N ☐	Y ☐	N ☐

Number of Containers: 1

Date Received by Lab: 5/14

Laboratory: Test America

Weather Conditions: Sunny 72°

Remarks: SD-DUP1 collected at 0-6 interval -> MS/MSD - 1 jar only

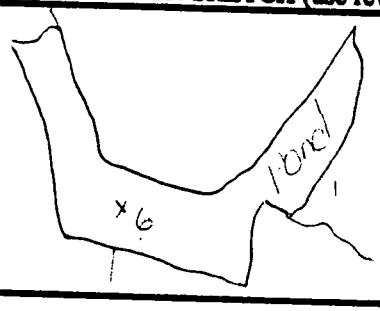
1. Organic vapor analysis, pocket penetrometer, etc.
2. Metals, VOA, organics, etc.

CUMMINGS RITER CONSULTANTS, INC.

SOIL SAMPLE FIELD COLLECTION REPORT

Project Name	Koppers BMD	Project No.	502.10
Date Collected	5/14/08	Time Collected	See Below
Collected By	MRK/MAL		
	Cummings/Riter Consultants		

SAMPLE(S) LOCATION SKETCH (use reverse if necessary)



Time	Sample I.D. No.	Depth of Sample	Soil Description (Color, Composition, Staining, Odor, Field Measurements[1])
9:50	SDC8-6(0-6)	0-6	dark brown silty sand/muck, some clay
9:50	SDC8-6(6-9)	6-9	light brown/grayish very thick clay

Sampling Method: Acetate sleeves

Composite Sample? Y ☐ N ☒

Composite Sample I.D. No.:

Describe Compositing:

SAMPLE TYPES COLLECTED

Type[2]	Volume	Per Sample?		Per Composite?	
VOC	4 oz	Y ☑	N ☐	Y ☐	N ☐
BNA/pesticide/PCB/Metals	8 oz	Y ☑	N ☐	Y ☐	N ☐
CN/TOC/TS	4 oz	Y ☑	N ☐	Y ☐	N ☐
(0-6") AVS/SEM	4 oz	Y ☑ 0-6" only	N ☐	Y ☐	N ☐
(6-9") Grain size	32 oz	6-9" only		Y ☐	N ☐

Number of Containers: 8

Date Received by Lab: 5/15/08

Laboratory: Test America

Weather Conditions: sunny, 50's

Remarks: (0-6") → pH = 7.32; ORP = -99 mV

1. Organic vapor analysis, pocket penetrometer, etc.
2. Metals, VOA, organics, etc.

CUMMINGS RITER CONSULTANTS, INC.

SOIL SAMPLE FIELD COLLECTION REPORT

Project Name	Koppers BND	Project No.	502.10
Date Collected	5/14/08	Time Collected	See Below
Collected By	MR/MAL		
	Cummings/Riter Consultants		

SAMPLE(S) LOCATION SKETCH (use reverse if necessary)



Time	Sample I.D. No.	Depth of Sample	Soil Description (Color, Composition, Staining, Odor, Field Measurements[1])
8:30	SD03-7/6-6	0-6	dark brown silty muck
	SD03-7/6-18	6-18	dark brown sandy silt
	SD03-7/8-22	18-22	dark brown/grayish clay silty

Sampling Method: Auger Sleeve

Composite Sample? Y ☐ N ☒ Composite Sample I.D. No.:

Describe Compositing:

SAMPLE TYPES COLLECTED

Type[2]	Volume	Per Sample?		Per Composite?	
VOC	4 oz	Y ☑	N ☐	Y ☐	N ☐
BNA/Pest/PCB/Metals	8 oz	Y ☑	N ☐	Y ☐	N ☐
CN/TOC/TS	4 oz	Y ☑	N ☐	Y ☐	N ☐
		Y ☐	N ☐	Y ☐	N ☐

Number of Containers: 15

Date Received by Lab: 5/15/08 Laboratory: Test America

Weather Conditions:

Remarks: (0-6) → -42mV = ORP; pH = 7.04

1. Organic vapor analysis, pocket penetrometer, etc.
2. Metals, VOA, organics, etc.

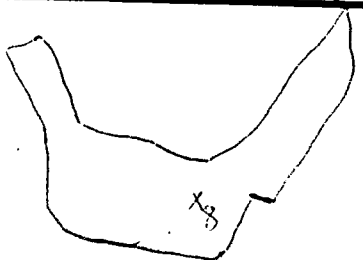
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CUMMINGS RITER CONSULTANTS, INC.

SOIL SAMPLE FIELD COLLECTION REPORT

Project Name	Koppers BNO	Project No.	502.10
Date Collected	5/13/08	Time Collected	See Below
Collected By	MRK/MAL		
	Cummings/Riter Consultants		

SAMPLE(S) LOCATION SKETCH (use reverse if necessary)



Time	Sample I.D. No.	Depth of Sample	Soil Description (Color, Composition, Staining, Odor, Field Measurements[1])
6:00	SDO8-B(0-6)	0-6	dark brown sandy silt/muck
6:00	SDC3-B(6-18)	6-18	dark brown silty clay
6:45	SDC3-B(18-20)	18-20	dark brown silty clay

Sampling Method: Acetate sleeves; Russian peat sampler for 18-20

Composite Sample? Y ☐ N ☒ Composite Sample I.D. No.:

Describe Compositing:

SAMPLE TYPES COLLECTED

Type[2]	Volume	Per Sample?		Per Composite?	
VOC	4 oz	Y ☑	N ☐	Y ☐	N ☐
BNA/Pest/PCB/Metals	8 oz	Y ☑	N ☐	Y ☐	N ☐
CN/TOC/TS	4 oz	Y ☑	N ☐	Y ☐	N ☐
		Y ☐	N ☐	Y ☐	N ☐
				Y ☐	N ☐

Number of Containers: 9

Date Received by Lab: 5/[illegible]/[illegible] Laboratory: Test America

Weather Conditions: [illegible], 76°

Remarks: [illegible] → ORP = 6 mV, pH = 7.2[illegible]

1. Organic vapor analysis, pocket penetrometer, etc.
2. Metals, VOA, organics, etc.

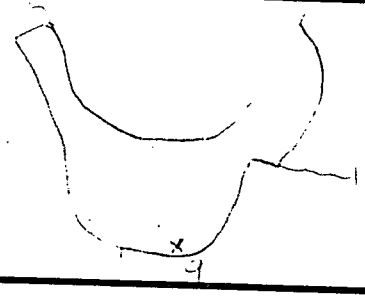
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CUMMINGS RITER CONSULTANTS, INC.

SOIL SAMPLE FIELD COLLECTION REPORT

Project Name	Koppers BND	Project No.	502.10
Date Collected	5/13/08	Time Collected	See Below
Collected By	MRK/MAL		
	Cummings/Riter Consultants		

SAMPLE(S) LOCATION SKETCH (use reverse if necessary)



Sample I.D. No.	Depth of Sample	Soil Description (Color, Composition, Staining, Odor, Field Measurements[1])
14:45 SB28-9/6-8	6-8	dark brown clayey silt
14:45 SB28-9/6-16	8-16	dark brown silty clay stiff

Sampling Method: Acetate sleeves

Composite Sample? Y ☐ N ☒ Composite Sample I.D. No.

Describe Compositing

SAMPLE TYPES COLLECTED

Type[2]	Volume	Per Sample?		Per Composite?	
VOC	4 oz	Y ☒	N ☐	Y ☐	N ☐
BNA/Pest/PCB/Metals	8 oz	Y ☒	N ☐	Y ☐	N ☐
Cn/Toc/TS	4 oz	Y ☒	N ☐	Y ☐	N ☐
		Y ☐	N ☐	Y ☐	N ☐
				Y ☐	N ☐

Number of Containers 6

Date Received by Lab 5/14/08 Laboratory Test America

Weather Conditions

Remarks pH = 8.16 ORP = -141 mV

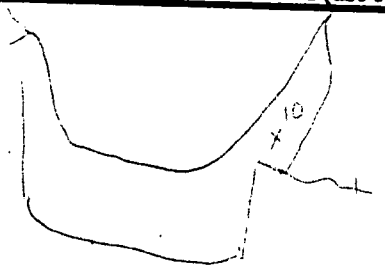
1. Organic vapor analysis, pocket penetrometer, etc.
2. Metals, VOA, organics, etc.

CUMMINGS RITER CONSULTANTS, INC.

SOIL SAMPLE FIELD COLLECTION REPORT

Project Name	Koppers BND	Project No.	502.10
Date Collected	5/13/08	Time Collected	See Below
Collected By	MRK MAL		
	Cummings/Riter Consultants		

SAMPLE(S) LOCATION SKETCH (use reverse if necessary)



Time	Sample I.D. No.	Depth of Sample	Soil Description (Color, Composition, Staining, Odor, Field Measurements[1])
14:05	SDC8-10(0-6)	0-6	dark brown sandy silt / muck
14:05	SDC8-10(6-18)	6-18	dark brown sandy/clayey silt
14:05	SDC8-10(18-23)	18-23	↓
14:05	SDC8-10(6-23)	6-23	*for grain size only

Sampling Method: Acetate sleeves

Composite Sample? Y ☐ N ☒ Composite Sample I.D. No.: ____

Describe Compositing: ____

SAMPLE TYPES COLLECTED

Type[2]	Volume	Per Sample?		Per Composite?	
VOC	4 oz	Y ☑	N ☐	Y ☐	N ☐
BNA/Pest/PCB/Metals	8 oz	Y ☑	N ☐	Y ☐	N ☐
Cu/Toc/TS	4 oz	Y ☑	N ☐	Y ☐	N ☐
AVS/SEM	4 oz	Y ☑	N ☐	Y ☐	N ☐
				Y ☐	N ☐

Grain size (0-6 and 6-23) 32 oz

Number of Containers: ~~3~~ 11

Date Received by Lab: 5/14/08 Laboratory: Test America

Weather Conditions: ____

Remarks: 0-6 → ORP = -41 mV pH = 7.18

1. Organic vapor analysis, pocket penetrometer, etc.
2. Metals, VOA, organics, etc.

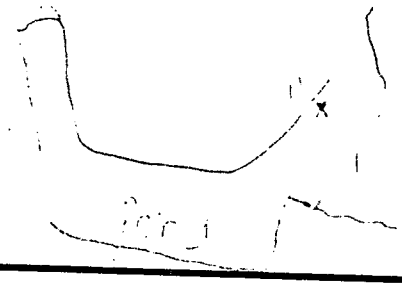
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CUMMINGS RITER CONSULTANTS, INC.

SOIL SAMPLE FIELD COLLECTION REPORT

Project Name	Koppers BND	Project No.	502.10
Date Collected	5/13/08	Time Collected	See Below
Collected By	MEK MHL		
	Cummings/Riter Consultants		

SAMPLE(S) LOCATION SKETCH (use reverse if necessary)



Time	Sample I.D. No.	Depth of Sample	Soil Description (Color, Composition, Staining, Odor, Field Measurements[1])
3:25	SD13-11.6-6	4-6	dark brown sandy silt/muck
3:25	SD13-11.6-9	6-9	dark brown sandy silt

Sampling Method: Acetate sleeves

Composite Sample? Y ☐ N ☐ Composite Sample I.D. No.

Describe Compositing

SAMPLE TYPES COLLECTED

Type[2]	Volume	Per Sample?		Per Composite?	
VOC	4 oz	Y ☑	N ☐	Y ☐	N ☐
BNA/Pest/PCB/Metals	8 oz	Y ☑	N ☐	Y ☐	N ☐
Cn/Toc/TS	4 oz	Y ☑	N ☐	Y ☐	N ☐
		Y ☐	N ☐	Y ☐	N ☐
				Y ☐	N ☐

Number of Containers: 3

Date Received by Lab: 5/14/08 Laboratory: Test America

Weather Conditions

Remarks: (0-2) → [illegible] mV

1. Organic vapor analysis, pocket penetrometer, etc.
2. Metals, VOA, organics, etc.

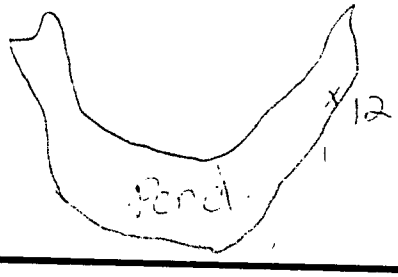
f17/corp

CUMMINGS RITER CONSULTANTS, INC.

SOIL SAMPLE FIELD COLLECTION REPORT

Project Name	Koppers BND	Project No.	502.10
Date Collected	5/13/08	Time Collected	See Below
Collected By	MRK/MAL		
	Cummings/Riter Consultants		

SAMPLE(S) LOCATION SKETCH (use reverse if necessary)



Time	Sample I.D. No.	Depth of Sample	Soil Description (Color, Composition, Staining, Odor, Field Measurements[1])
2:45	SDC3-12(C-0)	0-6	dark brown sandy silt/muck
2:45	SDC3-12(C-2)	6-12	dark brown sandy silt
	~~SDC3-12(C-12)~~		

Sampling Method ~~Eijkelkamp soil sampler~~ Acetate sleeves

Composite Sample? Y ☐ N ☒ **Composite Sample I.D. No.**

Describe Compositing

SAMPLE TYPES COLLECTED

Type[2]	Volume	Per Sample?		Per Composite?	
VOC	4 oz	Y ☑	N ☐	Y ☐	N ☐
BNA/Pest/PCB/Metals	8 oz	Y ☑	N ☐	Y ☐	N ☐
CN/TOC/TS	4 oz	Y ☑	N ☐	Y ☐	N ☐
		Y ☐	N ☐	Y ☐	N ☐
				Y ☐	N ☐

Number of Containers 36

Date Received by Lab 5/14/08 **Laboratory** Test America

Weather Conditions sunny ~65

Remarks 0-6 ORP = -75mV, pH = 7.49

~~12-24~~

1. Organic vapor analysis, pocket penetrometer, etc.
2. Metals, VOA, organics, etc.

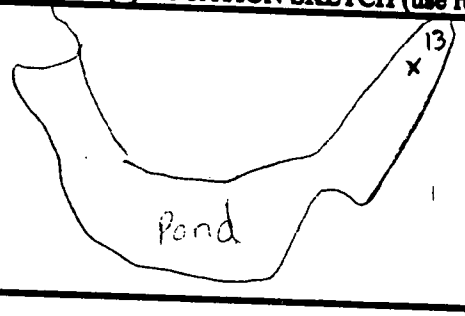
f17/corp

CUMMINGS RITER CONSULTANTS, INC.

SOIL SAMPLE FIELD COLLECTION REPORT

Project Name	Koppers BND	Project No.	502.10
Date Collected	5/13/08	Time Collected	See Below
Collected By	MRK/MAL		
	Cummings/Riter Consultants		

SAMPLE(S) LOCATION SKETCH (use reverse if necessary)



Sample I.D. No.	Depth of Sample	Soil Description (Color, Composition, Staining, Odor, Field Measurements[1])
SD08-13-~~5/13/08~~(0-6)	0-6	dark brown sandy silt
SD08-13-~~5/13/08~~(6-18)	6-18	dark brown sandy silt
SD08-13-~~5/13/08~~(18-27.5)	18-27.5	dark brown sandy silt

Sampling Method: Russian peat sampler

Composite Sample? Y ☐ N ☒

Describe Compositing:

Composite Sample I.D. No.:

SAMPLE TYPES COLLECTED

Type[2]	Volume	Per Sample?		Per Composite?	
VOC	4 oz	Y ☑	N ☐	Y ☐	N ☐
BNA/Pest/PCB/Metals	8 oz	Y ☑	N ☐	Y ☐	N ☐
CN/TOC/TS	4 oz	Y ☑	N ☐	Y ☐	N ☐
		Y ☐	N ☐	Y ☐	N ☐

Number of Containers: ~~3~~ 9

Date Received by Lab: 5/14/08

Laboratory: Test America

Weather Conditions: Sunny, 40s

Remarks: [illegible]

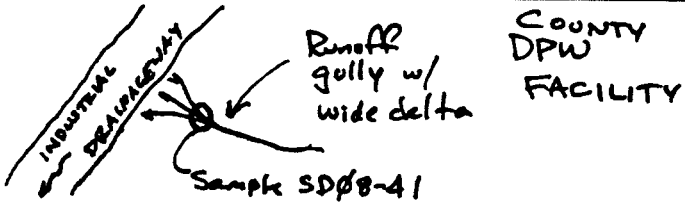
1. Organic vapor analysis, pocket penetrometer, etc.
2. Metals, VOA, organics, etc.

CUMMINGS RITER CONSULTANTS, INC.

SOIL SAMPLE FIELD COLLECTION REPORT

Project Name	Koppers Bud	Project No.	502.10
Date Collected	5/15/08	Time Collected	~~See Below~~ 1:00 p.m.
Collected By	L.M. Bransch Cummings/Riter Consultants		

SAMPLE(S) LOCATION SKETCH (use reverse if necessary)



Sample I.D. No.	Depth of Sample	Soil Description (Color, Composition, Staining, Odor, Field Measurements[1])
SD08-41	0-6"	Brown to gray, wet sediment/soil

Sampling Method: Hand shovel / plastic scoop

Composite Sample? Y ☐ N ☒ Composite Sample I.D. No. —

Describe Compositing: N/A

SAMPLE TYPES COLLECTED

Type[2]	Volume	Per Sample?		Per Composite?	
VOC	4 oz	Y ☑	N ☐	Y ☐	N ☐
BNA/pest/PCB/metals	8 oz	Y ☑	N ☐	Y ☐	N ☐
Cn/Toc/TS	4 oz	Y ☑	N ☐	Y ☐	N ☐
		Y ☐	N ☐	Y ☐	N ☐

Number of Containers: 3

Date Received by Lab: 5/16/08 Laboratory: Test America

Weather Conditions: Warm, Overcast, 70°F

Remarks:

1. Organic vapor analysis, pocket penetrometer, etc.
2. Metals, VOA, organics, etc.

f17/corp

APPENDIX D

NEW YORK SCIENTIFIC COLLECTOR'S REPORT

CUMMINGS RITER

New York State Department of Environmental Conservation
Division of Fish, Wildlife and Marine Resources - Special Licenses Unit
625 Broadway
Albany, NY 12233-4752
Phone Number (518) 402-8985
Fax Number: (518) 402-8925

NEW YORK STATE FISH AND WILDLIFE LICENSE

License Type: Collect or Possess

License Number: 1270

Licensee:

DANIEL W COOKE
AMEC EARTH & ENVIRONMENTAL
285 DAVIDSON AVE, SUITE 285
SOMERSET, NJ 08873

Fee Amount: $10.00
Effective Date: 05/02/2008
Expiration Date: 05/31/2009
Region: 0 County: SOMERSET
Home Phone Number: (908) 581-4568
Business Phone Number: (908) 581-4568

DOB: 10/4/1961

Statutory Authority:

ECL 11-0515 6NYCRR Part 175

Conditions:

1. A. Please read all license conditions BEFORE conducting any activity pursuant to this license.

   B. The licensee assumes all liability and responsibility for any activities conducted under the authority of this license or any actions resulting from activities authorized by the license.

   C. This license may be revoked for any of the following reasons:
   i. licensee provided materially false or inaccurate statements in his or her application, supporting documentation or on required reports;
   ii. failure by the licensee to comply with any terms or conditions of this license;
   iii. licensee exceeds the scope of the purpose or activities described in his or her application for this license;
   iv. licensee fails to comply with any provisions of the NYS Environmental Conservation Law, any other State or Federal laws or regulations of the Department directly related to the licensed activity;
   v. licensee submits a check, money order or voucher for this license or application for this license that is subsequently returned to the Department for insufficient funds or nonpayment after the license has been issued.

   D. The renewal of this license is the responsibility of the licensee. This license is deemed expired on the date of expiration listed on the license unless otherwise notified by the Department.

   E. Direct all questions concerning this license to the Special Licenses Unit (518) 402-8985.
2. A. No endangered/threatened species may be collected or possessed pursuant to this license.

New York State Department of Environmental Conservation
Division of Fish, Wildlife and Marine Resources - Special Licenses Unit
625 Broadway
Albany, NY 12233-4752
Phone Number (518) 402-8985
Fax Number: (518) 402-8925

NEW YORK STATE FISH AND WILDLIFE LICENSE

Conditions:

3. A. The licensee and/or designated agents are authorized to collect fish in the following numbers from Kippers Pond in Horseheads, Chemung county, for scientific purposes:
20 Largemouth bass
20 Common carp
20 Crappie
20 Sunfish
300 Minnow

B. Authorized collecting gear pursuant to this license are electrofishing (boat, backpack, or longline) and minnow trap.

C. Fish collected pursuant to this license may be retained for tissue analysis. Any fish captured which are not to be retained shall be immediately released at their point of capture.

D. The licensee may designate agents to conduct activities authorized by this license. Such designations must be in writing and the licensee must maintain an accurate list of agents he or she designates when conducting activities pursuant to this license.

E. The licensee must submit and maintain an accurate written list of agents to the NYS DEC Special Licenses Unit BEFORE such agents conduct any activity pursuant to this license.

F. The licensee is responsible for all actions taken by his or her designated agents pursuant to this license.

G. This license is not a license to trespass. The licensee and his or her designated agents must obtain permission from the appropriate landowner/land manager prior to conducting activities authorized pursuant to this license.

H. The licensee and/or designated agents must notify the appropriate Regional Environmental Conservation Officer at least 48 hours prior to conducting any collecting activity under this license, (585) 226-6335.

I. The licensee shall file with the Department on or before February 1 a report of activities conducted under this license during the preceding calendar year.

LICENSE
Under the Environmental Conservation Law (ECL)

Licensee Information

License Issued To:
JOHN H SAMUELIAN
INTEGRAL CONSULTING
45 EXCHANGE ST STE 200
PORTLAND, ME 04101

(207) 874-9000

DEC Contact Information

DIVISION OF FISH, WILDLIFE AND MARINE RESOURCES
SPECIAL LICENSES UNIT
625 BROADWAY, ALBANY, NEW YORK 12233-4752
PHONE: (518) 402-8985 FAX: (518) 402-8925
WEBSITE: www.dec.state.ny.us

License Authorizations

License to Collect or Possess: Scientific
License # 1329

New License Effective Date: 1/27/2011 Expiration Date: 1/26/2012

NYSDEC Approval

By acceptance of this license, the licensee agrees that the license is contingent upon strict compliance with the ECL, all applicable regulations, and all conditions included as part of this license.

License Regulations

6 NYCRR Part 175
ECL 11-0515 (1)

LICENSE TO COLLECT OR POSSESS: SCIENTIFIC - LICENSE CONDITIONS

1. Collection from the Wild: Authorized Species, Specific The licensee is authorized to collect and possess the following species: 20 Black crappie (Promoxis nigromaculatus), 20 Bluegill sunfish (Lepomis macrochirus), 20 Pumpkinseed (Lepomis gibbosus), 20 White sucker (Catostomus commersonii), 20 Common carp (Cyprinus carpio), 20 Largemouth bass (Micropterus salmoides), 40 Crayfish(Family) Family: Astacidae

2. Scientific Collection - Authorized Activities The licensee is authorized to possess the collected species for the following activity(ies): Residue analyses to support the Human health and Ecological Risk Assessments for Koppers Pond

3. Scientific Collection - Location The licensee is authorized to collect species from the following locations only:
Koppers Pond and two reference ponds authorized by DEC located in the Horseheads area.

4. Scientific Collection - Authorized Fish Collection Equipment The licensee shall only collect fish using
Electroshocking, hand collection and sweep nets.

5. Scientific Collection - Biosafety Protocol The licensee shall conform with all guidelines contained in the NYS DEC Bureau of Fisheries Sampling, Survey, Boat and Equipment Protocol, attached to this license as Appendix I. Any questions regarding the protocols may be directed to the Regional Fisheries Manager at:

Regional Fisheries Manager
NYSDEC REGION 8 HEADQUARTERS
6274 E AVON-LIMA RD
AVON, NY14414

6. Scientific Collection - LCP - No Endangered or Threatened Species No endangered/threatened species may be collected or possessed pursuant to this license.

7. Scientific Collection - Federal and Local Licensing Requirements The licensee shall determine if a corresponding Federal or local Permit is required to exercise the authority granted in this license. If a corresponding Federal or local Permit is required, the licensee shall obtain a valid Federal or local Permit before conducting any activity pursuant to this license.

8. Collection from the Wild - Authority to Designate Agents The licensee is authorized to designate agents to assist the licensee with the activities authorized pursuant to this license provided that:

a. the licensee submits a written request to the NYSDEC Special Licenses Unit at the address listed on the front of this license containing the:
i) name
ii) address
iii) age
iv) phone number of the person he or she is nominating as a designated agent, and;

b. the licensee receives an amended license from the Special Licenses Unit listing the designated agent(s) he or she has nominated before that person can conduct activities authorized by this license.

9. Scientific Collection - Reporting Requirement - Prior to Expiration The licensee shall file a written annual report prior to the expiration date of this license. Such annual report shall contain: a) name of the licensee, b) license number, c) common name of the listed animals collected, d) location(s) of collection, e) date(s) of collection, f) biological data collected and g) final disposition of collected animals. The licensee shall send this report to the NYSDEC Special Licenses Unit 625 Broadway, Albany, NY 12233-4752.

10. Scientific Collection - Reporting Requirement - Macroinvertebrate The licensee shall record and report all macroinvertebrate collections using forms provided by the Department.

11. Scientific Collection – Additional Reporting Requirement The licensee shall file duplicate reports with the following Regional Wildlife Manager or Fisheries Manager.

Regional Fisheries Manager
NYSDEC REGION 8 HEADQUARTERS
6274 E AVON-LIMA RD
AVON, NY14414

GENERAL CONDITIONS - Apply to ALL Authorized Licenses

1. GC – Licensee Shall Read All Conditions The licensee shall read all license conditions prior to conducting any activities authorized pursuant to this license.

2. GC – Reasons for Revocation This license may be revoked for any of the following reasons:

i. licensee provided materially false or inaccurate statements in his or her application, supporting documentation or on required reports;
ii. failure by the licensee to comply with any terms or conditions of this license;
iii. licensee exceeds the scope of the purpose or activities described in his or her application for this license;
iv. licensee fails to comply with any provisions of the NYS Environmental Conservation Law, any other State or Federal laws or regulations of the department directly related to the licensed activity;
v. licensee submits a check, money order or voucher for this license or application for this license that is subsequently returned to the department for insufficient funds or nonpayment after the license has been issued.

3. GC – Licensee Shall Carry Copy of License The licensee shall carry a copy of this license or a document provided by the department, if relevant, when conducting activities pursuant to this license.

4. GC – Licensee Shall Notify of Change of Address The licensee shall notify the Special Licenses Unit in writing, by mail or email, within five (5) days of the official change of residence.

5. GC – License is Not Transferrable This license is not transferrable and is valid only for the person identified as the licensee.

6. GC – Licensee is Liable for Designated Agents If designated agents are authorized pursuant to this license, the licensee shall be liable and responsible for any activities conducted by designated agents pursuant to this license or any actions by designated agents resulting from activities authorized by this license.

7. GC – Licensee Renewal The licensee shall submit a written request for the renewal of this license prior to the expiration date listed on the license. The licensee shall include accurate and complete copies of any required reports with their renewal request. This renewal paperwork shall be sent to:

NYSDEC
Special Licenses Unit
625 Broadway
Albany, NY 12233-4752.

This license is deemed expired on the date of expiration listed on the license.

NOTIFICATION OF OTHER LICENSEE OBLIGATIONS

MN– Licensee is Liable
The licensee shall be liable and responsible for any activities conducted under the authority of this license or any actions resulting from activities authorized by the license.

MN – Access by Law Enforcement
The licensee shall allow representatives of the NYS DEC Division of Law Enforcement to enter the licensed premises to inspect his or her operations and records for compliance with license conditions.

Trespassing Prohibited
This license is not a license to trespass. The licensee shall obtain permission from the appropriate landowner/land manager prior to conducting activities authorized pursuant to this license

NYS DEC Division of Fish, Wildlife and Marine Resources, Special Licenses Unit

This document is an official addendum to the attached license, and shall be kept with the license at all times.

Appendix I. NYS DEC Bureau of Fisheries Sampling, Survey, Boat and Equipment Protocol

Sampling and Survey work should be conducted with clean, dry and/or completely disinfected equipment.

For all survey work in streams and rivers where the status of ANS is unknown, sampling should start at the upper most reach, and then work downstream. This will help ensure that non motile ANS will not be transported on boots and gear to uninfected upstream reaches. In streams where the infestation is systemwide, survey order is less important. If the stream or river is already known to be infested with ANS but the extent of infestation is not clear, particular care should be taken to replace or completely disinfect boots and gear before consecutive surveys are conducted.

In general, lakes and ponds which are connected by channels or streams with or without barriers, should be surveyed starting at the uppermost location in the system. Dry or disinfected gear should always be used for lake or pond surveys.

When traveling from a lake or pond to another water body, or from a stream/river site to one that is not downstream in the same system, the following procedures must be followed for boats, trailers and all other gear that comes in contact with the water. *(Note: additional REQUIRED procedures are listed in this protocol for use when moving from whirling disease or zebra mussel positive waters to waters not known to have these organisms.)*

- **Upon launching boat:**
  - **Trailers with carpeted bunks** should be disinfected after the boat is launched and the trailer removed from the water - use a spray bottle with Lysol solution or full-strength vinegar for carpeted trailer bunks.
  - Keep the disinfectant bottle in the truck so the driver can treat the trailer bunks after deploying the boat.

- **Prior to leaving launch site:**
  - Inspect and remove visible aquatic plants, animals and mud from the boat, trailer and equipment at the sampling location.
  - Drain all water from the live well, bilge, etc.
  - Do not transfer any aquatic animals, plants or water from one water body to another.

- Do not store dissolved oxygen probes or other water chemistry gear in lake water - bring distilled or chlorinated tap water for this purpose (follow manufacturers directions).

- **Upon returning to equipment storage area OR before launching in any other water body that is not immediately downstream of prior location (whichever comes first):**

  - Nets, anchors, lines, boots and waders can be dried for 5 days . *When felt soled waders are used special care needs to be taken to ensure that they are totally dry or they must be disinfected as outlined below*) **OR**
  - **All** equipment can be disinfected using one of the following techniques (*Note: for boats this includes surface, motor, bilge, pumps and live wells. All equipment must subsequently be rinsed with clean water. Disinfection must take place away from water bodies*):
    - **In zebra mussel/whirling disease waters - use 10% bleach solution***
    - In all other waters - 1% Virkon Aquatic** is acceptable **OR**
    - Boats, trailers and **all** other equipment can be disinfected using a high temperature pressure washer (steam power washer)- *(Note: this technique is approved for zebra mussel/whirling disease waters;* see Appendix 1 for boat disinfection guidelines).
    -

* **Chlorine bleach**: When handling 10% chlorine bleach solution, be sure to wear protective gear (masks, gloves, goggles, etc.) and use in a well ventilated area (follow precautions on Material Safety Data Sheets (MSDS)). Remove all visible debris from equipment and gear. Spray equipment and gear with the solution so that it is saturated or immerse gear in solution. If equipment or gear is porous (i.e., felt bottomed or neoprene waders) let soak in solution for 10 minutes. Rinse equipment and gear with tap water or with water from the next water body you will be sampling. Dispose of waste chlorine bleach solution away from bodies of water and drinking water sources (follow protocol in MSDS).

** **Virkon Aquatic:** Wear a dust mask and rubber gloves when handling the powder. Mix a 1% (1:100) solution. Remove all visible debris from equipment and gear. Spray equipment and gear with the solution so that it is saturated or immerse gear in solution. If equipment or gear is porous (i.e., felt bottomed or neoprene waders) let soak in solution for 10 minutes. Rinse equipment and gear with tap water or with water from the next water body you will be sampling. Dispose of waste Virkon solution away from bodies of water and drinking water sources (follow protocol in MSDS).

NYSDEC Bureau of Fisheries
Biosecurity Protocol

Boat hulls, anchors, and trailers:

- Always drain the bilges of the boat by removing the drain plug. Bilge pumps are not capable of removing all water from those areas. Wet wells, live wells, and any other compartments that could hold water from an infested field collection site should be drained of water at the field site, and if possible, flushed with hot water, steam or disinfectant solution and allowed to dry before the next use. If appropriate, the field site water may be drained back into the original body of water, as long as conditions and the decontaminant used are such that this would not cause chemical or biological contamination. Otherwise, such water containing disinfectant solutions must be drained into a suitable container for treatment prior to final disposal. Field crews may elect to not drain the bilge area until they return to the storage lot if they are not going to any other bodies of water until decontamination is completed.
- If the bilge water is drained and collected, it must be disinfected and then disposed of by suitable means to avoid causing environmental damage or contamination.
- After draining contained water, all compartments that held water should be washed with a high temperature pressure washer or disinfectant solution and left open to completely dry prior to use in the next site.
- All boats, anchors, trailers used in field sampling will be cleaned using a high temperature pressure washer working from fore to aft and gunnels to keel in a thorough manner.
- While using the high temperature pressure washer, particular attention should be paid to the cooling water intakes on the lower unit of the motor.
- Particular attention should be paid to the carpeted trailer bunks since they can hold water for extended periods of time. These areas should have already been treated with a disinfectant solution when the boat was unloaded into the lake but should be washed with a high temperature pressure washer anyway.
- Lower the motor to drain all water from the lower unit. Replace the motor into the "transom saver" when this is accomplished.

*OWRB, Oklahoma Water Resources Board. 2005. Decontamination Protocol for Aquatic Nuisance Species. Technical Report 05-157.

NYS DEC Aquatic Macro-invertebrate Reporting Form

Licensee Name_____ License #_____ Date _____

Waterbody	Collection Date (mm/dd/yy)	Site Coordinates (UTM18)	Order	# Collected

03/09

APPENDIX E

FISH TISSUE SAMPLE FIELD COLLECTION REPORTS

APPENDIX E
QUALITATIVE ASSESSMENT OF BIOTA AND FISH HABITAT

The current environmental setting and habitats of Koppers Pond was summarized in the *Preliminary Conceptual Site Model* (Koppers Pond RI/FS Group, 2007b). This section summarizes results from the May 2008 sampling event and compares these results to the June 2003 field observations. Attachment E-1 contains representative site photographs from the fish collections.

E.1 Summary of Fish Collections

Table E-1 summarizes the fish that were collected during the May 2008 and provides some key morphometric parameters (e.g., body weight, total length). The gamefish that were collected included black crappie, carp, largemouth bass, and white sucker. None of these fish exhibited any external lesions or physical anomalies. The individual fish were analyzed for chemical parameters and lipid content.

The forage fish that were collected included bluegill sunfish and pumpkinseeds. Three of the bluegill samples were evaluated as individual samples, and one was evaluated as a composite of four fish to achieve sufficient samples mass for chemical analysis. Similarly, there was one composite of pumpkinseed (consisting of four fish) and one individual sample evaluated for chemical analyses. None of these fish exhibited any external lesions or physical anomalies.

One gizzard shad that was collected had some fin erosion and a lip tumor. It was released back to the pond with the agreement of the three agencies as a non-target species and an isolated case of deformity.

E.2 May 2008 Biota and Fish Habitat Assessment

The fish collection effort was not intended as a population survey, and the field team discontinued shocking when the target species and numbers were collected. Several other fish were noted in addition to those retained for chemical analyses. These included yellow perch, largemouth bass, black crappie, four pumpkinseeds and seven bluegills. These were all released. Numerous largemouth bass were observed in the pond, but the collection team did not net them after the target number of specimens had been captured.

In addition to the fish collections, the team made note of the other biota observed in, on or near the pond. The air temperature was 7-10°C, with a light rain falling throughout the sampling period. Because of the inclement weather, there was little visible wildlife activity.

- *Avian Species*: Among the birds observed at the pond were: red-winged blackbirds, robins, yellow warblers, sparrows, swallows, Canada geese and mallards.

- *Reptiles and Amphibians*: One Eastern painted turtle was netted by the fish shocking team. While few turtles were observed during the fish collection, numerous turtles, including snapping turtles, were observed on preceding sunny days. No frogs or tadpoles

were observed during the fish shocking, but many had been observed on preceding sunny days.

- *Aquatic Insects*: Water striders were observed on the pond surface. The inclement weather likely reduced activities of any flying insects (e.g., dragonflies).

These observations, albeit limited, were consistent with what one would expect to see in warmwater pond areas in this portion of NY State.

E.3 Comparison of 2003 and 2008 Assessments of Biota and Fish Habitat

The worksheets from EPA's *Rapid Bioassessment Protocol* (RBP: Barbour et al., 1999) were used to collect information about the potential habitats and other ecologically-relevant features of Koppers Pond and the immediate area during the June 2003 sampling event (CEC, 2003). There was little apparent change in the vegetative cover adjoining the pond between the June 2003 and May 2008 sampling events, although a detailed assessment of these adjoining areas was not performed in 2008.

The pond conditions were similar between the June 2003 and May 2008 sampling events, with the exception of the pond water levels. During the May 2008 sampling event it was observed that water levels were approximately 2-ft lower than present during the prior sampling events. This was not attributable to a drought, since rainfall has been close to normal in the Horseheads area. The decline is likely due to removal of beaver dams near the pond outlets. The reduction in water levels has resulted in exposure of littoral areas that were formerly under water along portions of the pond perimeter. Additional soil/sediment samples were collected from some of these littoral areas during the May 2008 field sampling event.

E.4 References

Barbour, M.T., J. Gerritsen, B.D. Snyder, and J.B. Stribling. 1999. *Rapid Bioassessment Protocols for Use in Streams and Wadeable Rivers: Periphyton, Benthic Macroinvertebrates and Fish.* Second Edition. EPA 841-B-99-002. U.S. Environmental Protection Agency; Office of Water; Washington, D.C.
[http://www.epa.gov/owow/monitoring/rbp/]

Civil and Environmental Consultants, Inc. (CEC). 2003. *Investigation of Fish in Koppers Pond for the Kentucky Avenue Wellfield Superfund Site, Horseheads, NY.* 25 July.

Table E-1. Summary of Key Morphometrics and Conditions of Fish Collected from Koppers Pond in May 2008
Kentucky Avenue Wellfield Site, Operable Unit 4, Koppers Pond
Horseheads, New York

Sample ID	Species	Group	Std Length (mm)	Weight (g)	Condition
CC08-01	Carp - *Cyprinus carpio*	Gamefish	560	2,569	Healthy, no physical anomalies
CC08-02	Carp - *Cyprinus carpio*	Gamefish	517	1,909	Healthy, no physical anomalies
CC08-03	Carp - *Cyprinus carpio*	Gamefish	573	2,816	Healthy, no physical anomalies
CC08-04	Carp - *Cyprinus carpio*	Gamefish	621	3,818	Healthy, no physical anomalies
CC08-05	Carp - *Cyprinus carpio*	Gamefish	553	2,188	Healthy, no physical anomalies
WS08-01	White sucker - *Catostomus commersoni*	Gamefish	407	612	Healthy, no physical anomalies
WS08-02	White sucker - *Catostomus commersoni*	Gamefish	390	666	Healthy, no physical anomalies
WS08-03	White sucker - *Catostomus commersoni*	Gamefish	342	373	Healthy, no physical anomalies
WS08-04	White sucker - *Catostomus commersoni*	Gamefish	383	523	Healthy, no physical anomalies
WS08-05	White sucker - *Catostomus commersoni*	Gamefish	412	633	Healthy, no physical anomalies
LB08-01	Largemouth bass - *Micropterus salmoides*	Gamefish	407	843	Healthy, no physical anomalies
LB08-02	Largemouth bass - *Micropterus salmoides*	Gamefish	377	783	Healthy, no physical anomalies
LB08-03	Largemouth bass - *Micropterus salmoides*	Gamefish	395	812	Healthy, no physical anomalies
LB08-04	Largemouth bass - *Micropterus salmoides*	Gamefish	382	759	Healthy, no physical anomalies
LB08-05	Largemouth bass - *Micropterus salmoides*	Gamefish	380	717	Healthy, no physical anomalies
LB08-06	Largemouth bass - *Micropterus salmoides*	Gamefish	381	651	Healthy, no physical anomalies
BC08-01	Black crappie - *Pomoxis nigromaculatus*	Gamefish	292	285	Healthy, no physical anomalies
BC08-02	Black crappie - *Pomoxis nigromaculatus*	Gamefish	268	188	Healthy, no physical anomalies
BC08-03	Black crappie - *Pomoxis nigromaculatus*	Gamefish	218	110	Healthy, no physical anomalies
BC08-04	Black crappie - *Pomoxis nigromaculatus*	Gamefish	275	213	Healthy, no physical anomalies
FF08-01	Bluegill - *Lepomis macrochirus*	Forage Fish	167	90	Healthy, no physical anomalies
FF08-02	Bluegill - *Lepomis macrochirus*	Forage Fish	148	65	Healthy, no physical anomalies
FF08-03	Bluegill - *Lepomis macrochirus*	Forage Fish	183	115	Healthy, no physical anomalies
FF08-04	Bluegill - *Lepomis macrochirus*	Forage Fish	93	14	Healthy, no physical anomalies
	Bluegill - *Lepomis macrochirus*	Forage Fish	63	3.8	Healthy, no physical anomalies
	Bluegill - *Lepomis macrochirus*	Forage Fish	102	20	Healthy, no physical anomalies
	Bluegill - *Lepomis macrochirus*	Forage Fish	106	21.8	Healthy, no physical anomalies
FF08-05	Pumpkinseed - *Lepomis gibbosus*	Forage Fish	101	20.2	Healthy, no physical anomalies
	Pumpkinseed - *Lepomis gibbosus*	Forage Fish	106	22.3	Healthy, no physical anomalies
	Pumpkinseed - *Lepomis gibbosus*	Forage Fish	71	6.3	Healthy, no physical anomalies
	Pumpkinseed - *Lepomis gibbosus*	Forage Fish	68	5.7	Healthy, no physical anomalies
FF08-06	Pumpkinseed - *Lepomis gibbosus*	Forage Fish	157	83.7	Healthy, no physical anomalies

Notes:
All fish were collected on 16 May 2008.
Forage fish samples FF08-04 and FF08-05 are each composites of four individual fish in order to obtain the mass required for chemical analyses. The remaining forage fish samples yielded sufficient tissue mass with a single fish.
Units: mm = millimiters; g = grams

Attachment E-1 – Photograph Log from May 2008 Fish Collections



Photo #1
Boat launch area. This is the location where water quality parameters were collected for the fish collections.



Photo #2
Example of electroshock set-up on the Jon boat.

CUMMINGS RITER

Attachment E-1 (continued)
Photograph Log from May 2008 Fish Collections



Photo #3
Mesh-lined holding pen in shallow water near staging area. Used to hold fish prior to processing.



Photo #4
Collecting standard length measurement of a largemouth bass. Note the absence of external lesions and good condition of the sampled fish.

Attachment E-1 (continued)
Photograph Log from May 2008 Fish Collections

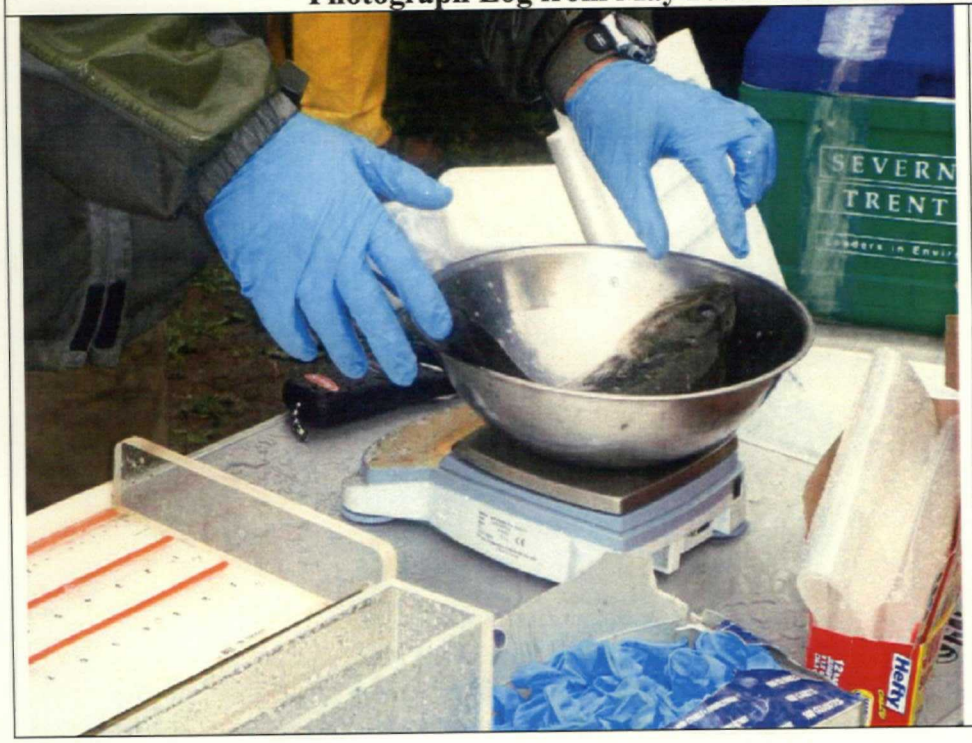


Photo #5
Measuring weight of bass.

APPENDIX F

LABORATORY DATA PACKAGES (ELECTRONIC FORMAT)

CUMMINGS RITER

Analytical Report Cover Page 1

Case Narrative 3

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Methods Summary 9

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QC Summary 1002
Sample Data 1012
Calibration Data 1112
QC Data 1218
Miscellaneous 1246

PCB Data 2001
QC Summary 2002
Sample Data 2008
Calibration Data 2039
QC Data 2117
Miscellaneous 2137

Metals Data 3001
Results 3002
Raw Data 3063

General Chemistry Data 4001

There are 1030 pages in this document.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. LEO BRAUSCH

Leo Brausch Koppers Pond

Lot #: C0J210496

Leo Brausch

Leo Brausch Consulting
131 Wedgewood Drive
Gibsonia, PA 15044

TESTAMERICA LABORATORIES, INC.



Carrie L. Gamber
Project Manager

November 18, 2010

NELAC REPORTING:

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program	Certificate #	Program Types	TestAmerica
DoD ELAP	ADE-1442	WW HW	X
US Dept of Agriculture	(#P330-10-00139)	Foreign Soil Import Permit	X
Arkansas	(#88-0690)	WW HW	X X
California – NELAC	04224CA	WW HW	X X
Connecticut	(#PH-0688)	WW HW	X X
Florida – NELAC	(#E871008)	WW HW	X X
Illinois – NELAC	(#002319)	WW HW	X X
Kansas – NELAC	(#E-10350)	WW HW	X X
Louisiana – NELAC	(#04041)	WW HW	X X
New Hampshire – NELAC	(#203010)	WW --	X --
New Jersey – NELAC	(PA-005)	WW HW	X X
New York – NELAC	(#11182)	WW HW	X X
North Carolina	(#434)	WW HW	X X
Pennsylvania - NELAC	(#02-00416)	WW HW	X X
South Carolina	(#89014002)	WW HW	X X
Utah – NELAC	(STLP)	WW HW	X X
West Virginia	(#142)	WW HW	X X
Wisconsin	998027800	WW HW	X X

The codes utilized for program types are described below:

HW Hazardous Waste certification
WW Non-potable Water and/or Wastewater certification
X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 05/19/10 N:\Reporting\NELAC NARRATIVE Pttsburgh_Updated 051910.doc

CASE NARRATIVE

Leo Brausch Consulting

Lot # C0J210496

Sample Receiving:
TestAmerica's Pittsburgh laboratory received samples on October 21, 2010. The cooler was received within the proper temperature range.

Note: The initial weight extracted for the sediment samples was determined based on using 50% for the percent moisture of each sample.

Sample SD10-19 was received broken.. The sample aliquot was transferred to a new jar and analyzed.

Sample EB10-20 was received with very limited volume. This sample was weighed out for analysis as a solid sample would be in order to have enough sample volume for all requested analyses.

If project specific QC was not required for samples contained in this report, when batch QC was completed on these samples, anomalous results will be discussed below.

GC/MS Semivolatiles:
Due to the concentration of target compounds detected and/or matrix, several samples were analyzed at a dilution.

All non-CCC compounds that have >15% RSD were evaluated to see if a better curve could be drawn using a quadratic curve. All compounds <30% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

Several continuing calibration standards had compounds with a %D >25%; but were within the expected performance range for these compounds.

PCB's:
There were no problems associated with the analysis.

Metals:
The method blanks had analytes detected at concentrations between the MDL and the reporting limit. The results were flagged with a "B" qualifier. Any sample associated with a method blank that had the same analyte detected had the result flagged with a "J" qualifier.

CASE NARRATIVE

Leo Brausch Consulting

Lot # C0J210496

General Chemistry:
The matrix spike and matrix spike duplicate recovered outside of the control limits for cyanide.

C0J210496

Chain of Custody Record

TestAmerica Laboratory location: Pittsburgh

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: Koppers Pond	Client Project Manager: Leo Brausch	Site Contact:	Lab Contact:	COC No: 000573
Address:	Telephone: 412-720-8549	Telephone:	Telephone:	1 of 1 COCs
City/State/Zip:	Email:			
Phone:		TAT if different from below: ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		
Project Name: Koppers Pond	Method of Shipment/Carrier: Fed Ex			
Project Number:	Shipping/Tracking No:			
PO#				

Analyses

Sample Identification	Sample Date	Sample Time	Air	Aqueous	Sediment	Solid	Other:	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Unpres	Other:	TCL SVOCs	Aroclor PCBs	TAL Metals	TOC	Sample Specific Notes / Special Instructions:
FB10-20	10/20/10	1500		X											X	X	X		Blank
SD10-19		1600			X										X	X	X		No SVOCs!
SD10-18		1600			X											X	X		No SVOCs!
SD10-31					X										X	X	X	X	2 jars
SD10-32					X										X	X	X	X	
SD10-33					X										X	X	X	X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company: Integral Consulting	Date/Time: 10/20/10 1832	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA-PIT	Date/Time: 10/21/10 1000

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TAL 0018- 1 (04/10)

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TestAmerica Pittsburgh

Cooler Receipt Form

Client: Koppers Pond Project: _____ Quote: 79354

Cooler Rec'd & Opened for Temp. Check on: 10/21/10

Coolers Opened and Unpacked on: 10/21/10 By: _____ (Signature)

TestAmerica Pittsburgh Lot Number: C0J210496

		Yes	No	NA
1.	Were custody seals on the outside of the cooler?		✓	
	If YES, how many and where? Quantity __ Location			
	Were signatures and date correct?	✓		
2.	Were custody papers included inside the cooler?	✓		
3.	Were custody papers properly filled out (ink, signed, match labels)?	✓		
4.	Did you sign the custody papers in the appropriate place?	✓		
5.	Was shippers packing slip attached to this form?	✓		
6.	Were packing materials used?	✓		
	If YES, what type? Bubble Wrap			
7.	Were the samples received within the acceptable temperature range?	✓		
8.	Were the samples appropriately preserved?	✓		
9.	Were all bottles sealed in separate plastic bags?	✓		
10.	Did all bottles arrive in good condition (unbroken)?		✓	
11.	Were all bottle labels complete (sample ID, preservatives, etc.)?	✓		
12.	Did all bottle labels and/or tags agree with custody papers?	✓		
13.	Were correct bottles used for tests indicated?	✓		
14.	Were all VOA vials checked for the presence of air bubbles?			✓
15.	Was a sufficient amount of sample sent in each bottle?	✓		

16. Samples received by: (FEDEX) UPS CLIENT DROP-OFF OTHER DHL US CARGO

Explain any discrepancies: _____

Level 2 Review _____

Was contacted on _____ by _____ to resolve discrepancies.

Rev. 1, 01/20/2010
X:\Forms\Cooler Receipt Form_updated 102010.DOC

TestAmerica Pittsburgh

Cooler Receipt Form

P: Preserved

UP: Unpreserved

Sample ID	TMET PH<2	DMET PH<2	HG PH<2	NUT(1) PH<2	CN PH ≥12	OG TPHC PH<2	PHEN PH<2	SULF PH ≥12	TOC PH<2	TOX PH<2	VOA P/UP	hardness PH<2	Residual CL	

(1) "NUT" could include sample bottles for ammonia, chemical oxygen demand, nitrate/nitrite, TKN, or total phosphorus

Comments: _____

_____

_____

Cooler Number	Temperature*	Thermometer ID
1	0.1	8

Sample	Lot Number**

*Acceptable Temperature Range: < 0-6 °C

**Please use an asterisk if bottle lot number was covered by the label

If samples required preservation in the laboratory, the following lot number(s) was/were used:

Nitric Acid _____ Hydrochloric Acid _____

Sulfuric Acid _____ Sodium Hydroxide _____

X:\Forms\Cooler Receipt Form_updated 102010.DOC
Rev. 1, 01/20/2010

C0J210496

FedEx. US Airbill
Express

FedEx Tracking Number 8739 6244 2111

0200 Form ID No.

FedEx Retrieval Copy

1 From

Date 10/20/10

Sender's FedEx Account Number 1955 3892[redacted]

Sender's Name Matthew Behrum Phone 484 347-7015

Company Integral Consulting Inc.

Address 200 Harry S. Truman Pkwy Suite 330

Dept./Floor/Suite/Room

City Annapolis State MD ZIP 2 1401

2 Your Internal Billing Reference

3 To

Recipient's Name Test America Pittsburgh Phone 802 923-1058

Company

Address 301 Alpha Dr.

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City O. Hchuah State PA ZIP 15238

01 ☐ HOLD Weekday
FedEx location address REQUIRED. NOT available for FedEx First Overnight.

31 ☐ HOLD Saturday
FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

[redacted]

#8739 6244 2111

4a Express Package Service * To most locations. Packages up to 150 lbs.

01 ☑ FedEx Priority Overnight
Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

05 ☐ FedEx Standard Overnight
Next business afternoon.* Saturday Delivery NOT available.

06 ☐ FedEx First Overnight
Earliest next business morning delivery to select locations.*

03 ☐ FedEx 2Day
Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 ☐ FedEx Express Saver
Third business day.* Saturday Delivery NOT available.

4b Express Freight Service ** To most locations. Packages over 150 lbs.

70 ☐ FedEx 1Day Freight
Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx 1Day Freight Booking No.

80 ☐ FedEx 2Day Freight
Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83 ☐ FedEx 3Day Freight
Third business day.** Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

06 ☐ FedEx Envelope*

02 ☐ FedEx Pak*
Includes FedEx Small Pak and FedEx Large Pak.

03 ☐ FedEx Box

04 ☐ FedEx Tube

01 ☑ Other

6 Special Handling and Delivery Signature Options

03 ☐ SATURDAY DELIVERY

☐ No Signature Required
Package may be left without obtaining a signature for delivery.

10 ☑ Direct Signature
Someone at recipient's address may sign for delivery. Fee applies.

34 ☐ Indirect Signature
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?
One box must be checked.

☑ No 04 ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. 06 ☐ Dry Ice Dry Ice, 9, UN 1845 _____ x _____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment Bill to:

1 ☑ Sender Acct. No. in Section 1 will be billed. 2 ☐ Recipient 3 ☐ Third Party 4 ☐ Credit Card 5 ☐ Cash/Check

Enter FedEx Acct. No. or Credit Card No. below.

Obtain recip. Acct. No. ☐

[redacted]

Total Packages 1 Total Weight 1.0 lbs

Credit Card Auth.

[redacted]

606

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

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METHODS SUMMARY

C0J210496

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Cyanide, Total	SW846 9012A	SW846 9012A
ICP-MS (6020)	SW846 6020	SW846 3050B
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
PCBs by SW-846 8082	SW846 8082	SW846 3541
Semivolatile Organics GCMS BNA 8270C	SW846 8270C	
Total Residue as Percent Solids	SM20 2540G	
TOC Lloyd Kahn Lloyd Kahn	EPA Lloyd Kahn	EPA Lloyd Kahn

References:

EPA "EASTERN ENVIRONMENTAL RADIATION FACILITY RADIOCHEMISTRY PROCEDURES MANUAL" US EPA EPA 520/5-84-006 AUGUST 1984

SM20 "STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER", 20TH EDITION."

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

C0J210496

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
L8VKP	001	EB10-20	10/20/10	15:00
L8VKW	002	SD10-19	10/20/10	16:00
L8VK8	003	SD10-18	10/20/10	16:00
L8VLA	004	SD10-31	10/20/10	16:00
L8VLH	005	SD10-32	10/20/10	16:00
L8VLJ	006	SD10-33	10/20/10	16:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

DATA SUMMARY PACKAGE

GC/MS SEMIVOLATILE SUMMARY

Leo Brausch Consulting

Client Sample ID: EB10-20

GC/MS Semivolatiles

Lot-Sample #...:	C0J210496-001	**Work Order #...:**	L8VKP1AA	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10 15:00	**Date Received..:**	10/21/10 10:00	**MS Run #.....:**	0299018
Prep Date.....:	10/26/10	**Analysis Date..:**	10/27/10		
Prep Batch #...:	0299052	**Analysis Time..:**	07:34		
Dilution Factor:	0.49	**Initial Wgt/Vol:**	30.3 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:		**Analyst ID.....:**	007062	**Instrument ID..:**	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	3.3	ug/kg	0.31
Acenaphthylene	ND	3.3	ug/kg	0.37
Acetophenone	**1.9 J**	**16**	**ug/kg**	**1.3**
Anthracene	ND	3.3	ug/kg	0.32
Atrazine	ND	16	ug/kg	1.6
Benzo(a)anthracene	ND	3.3	ug/kg	0.41
Benzo(a)pyrene	ND	3.3	ug/kg	0.33
Benzo(b)fluoranthene	ND	3.3	ug/kg	0.51
Benzo(ghi)perylene	ND	3.3	ug/kg	0.33
Benzo(k)fluoranthene	ND	3.3	ug/kg	0.66
Benzaldehyde	**8.1 J**	**16**	**ug/kg**	**2.4**
1,1'-Biphenyl	ND	16	ug/kg	1.5
bis(2-Chloroethoxy) methane	ND	16	ug/kg	1.1
bis(2-Chloroethyl)-ether	ND	3.3	ug/kg	0.44
bis(2-Ethylhexyl) phthalate	**8.0 J**	**16**	**ug/kg**	**2.6**
4-Bromophenyl phenyl ether	ND	16	ug/kg	1.4
Butyl benzyl phthalate	**9.6 J**	**16**	**ug/kg**	**2.2**
Caprolactam	**13 J**	**83**	**ug/kg**	**13**
Carbazole	ND	3.3	ug/kg	0.30
4-Chloroaniline	ND	16	ug/kg	1.3
4-Chloro-3-methylphenol	ND	16	ug/kg	1.5
2-Chloronaphthalene	ND	3.3	ug/kg	0.34
2-Chlorophenol	ND	16	ug/kg	1.3
4-Chlorophenyl phenyl ether	ND	16	ug/kg	1.8
Chrysene	ND	3.3	ug/kg	0.39
Dibenz(a,h)anthracene	ND	3.3	ug/kg	0.36
Dibenzofuran	ND	16	ug/kg	1.6
3,3'-Dichlorobenzidine	ND	16	ug/kg	1.7
2,4-Dichlorophenol	ND	3.3	ug/kg	0.33
Diethyl phthalate	**2.4 J**	**16**	**ug/kg**	**1.8**
2,4-Dimethylphenol	ND	16	ug/kg	2.6
Dimethyl phthalate	ND	16	ug/kg	1.8

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: EB10-20

GC/MS Semivolatiles

Lot-Sample #...: C0J210496-001 **Work Order #...:** L8VKP1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	**3.6 J**	**16**	**ug/kg**	**2.0**
4,6-Dinitro-2-methylphenol	ND	83	ug/kg	6.6
2,4-Dinitrophenol	ND	83	ug/kg	19
2,4-Dinitrotoluene	ND	16	ug/kg	1.3
2,6-Dinitrotoluene	ND	16	ug/kg	1.7
Di-n-octyl phthalate	ND	16	ug/kg	1.7
Fluoranthene	ND	3.3	ug/kg	0.35
Fluorene	ND	3.3	ug/kg	0.43
Hexachlorobenzene	ND	3.3	ug/kg	0.35
Hexachlorobutadiene	ND	3.3	ug/kg	0.37
Hexachlorocyclopentadiene	ND	16	ug/kg	1.8
Hexachloroethane	ND	16	ug/kg	1.2
Indeno(1,2,3-cd)pyrene	ND	3.3	ug/kg	0.34
Isophorone	ND	16	ug/kg	1.2
2-Methylnaphthalene	ND	3.3	ug/kg	0.29
2-Methylphenol	ND	16	ug/kg	1.1
4-Methylphenol	ND	16	ug/kg	1.6
Naphthalene	ND	3.3	ug/kg	0.28
2-Nitroaniline	ND	83	ug/kg	7.3
3-Nitroaniline	ND	83	ug/kg	6.7
4-Nitroaniline	ND	83	ug/kg	6.6
Nitrobenzene	ND	3.3	ug/kg	1.4
2-Nitrophenol	ND	16	ug/kg	1.8
4-Nitrophenol	ND	83	ug/kg	5.6
N-Nitrosodi-n-propylamine	ND	3.3	ug/kg	0.38
N-Nitrosodiphenylamine	ND	3.3	ug/kg	1.5
2,2'-oxybis (1-Chloropropane)	ND	3.3	ug/kg	0.35
Pentachlorophenol	ND	16	ug/kg	1.5
Phenanthrene	**0.87 J**	**3.3**	**ug/kg**	**0.52**
Phenol	ND	3.3	ug/kg	0.39
Pyrene	ND	3.3	ug/kg	0.33
2,4,5-Trichlorophenol	ND	16	ug/kg	1.7
2,4,6-Trichlorophenol	ND	16	ug/kg	2.4

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: EB10-20

GC/MS Semivolatiles

Lot-Sample #...: C0J210496-001 **Work Order #...:** L8VKP1AA **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	63	(27 - 110)
Terphenyl-d14	62	(21 - 130)
2-Fluorobiphenyl	61	(28 - 108)
2-Fluorophenol	74	(28 - 107)
Phenol-d5	64	(30 - 112)
2,4,6-Tribromophenol	57	(21 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: SD10-31

GC/MS Semivolatiles

Lot-Sample #...:	C0J210496-004	**Work Order #...:**	L8VLA1AC	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10 16:00	**Date Received..:**	10/21/10 10:00	**MS Run #.....:**	0299018
Prep Date.....:	10/26/10	**Analysis Date..:**	10/27/10		
Prep Batch #...:	0299052	**Analysis Time..:**	07:55		
Dilution Factor:	2.49	**Initial Wgt/Vol:**	30.1 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	52	**Analyst ID.....:**	007062	**Instrument ID..:**	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	35	ug/kg	3.4
Acenaphthylene	**12 J**	**35**	**ug/kg**	**4.0**
Acetophenone	ND	170	ug/kg	14
Anthracene	**12 J**	**35**	**ug/kg**	**3.4**
Atrazine	ND	170	ug/kg	17
Benzo(a)anthracene	**42**	**35**	**ug/kg**	**4.4**
Benzo(a)pyrene	**58**	**35**	**ug/kg**	**3.5**
Benzo(b)fluoranthene	**95**	**35**	**ug/kg**	**5.5**
Benzo(ghi)perylene	**63**	**35**	**ug/kg**	**3.5**
Benzo(k)fluoranthene	ND	35	ug/kg	7.1
Benzaldehyde	**90 J**	**170**	**ug/kg**	**26**
1,1'-Biphenyl	ND	170	ug/kg	16
bis(2-Chloroethoxy) methane	ND	170	ug/kg	11
bis(2-Chloroethyl)-ether	ND	35	ug/kg	4.7
bis(2-Ethylhexyl) phthalate	ND	170	ug/kg	28
4-Bromophenyl phenyl ether	ND	170	ug/kg	15
Butyl benzyl phthalate	**24 J**	**170**	**ug/kg**	**24**
Caprolactam	ND	890	ug/kg	130
Carbazole	**9.2 J**	**35**	**ug/kg**	**3.2**
4-Chloroaniline	ND	170	ug/kg	14
4-Chloro-3-methylphenol	ND	170	ug/kg	16
2-Chloronaphthalene	ND	35	ug/kg	3.6
2-Chlorophenol	ND	170	ug/kg	14
4-Chlorophenyl phenyl ether	ND	170	ug/kg	19
Chrysene	**73**	**35**	**ug/kg**	**4.2**
Dibenz(a,h)anthracene	ND	35	ug/kg	3.9
Dibenzofuran	ND	170	ug/kg	17
3,3'-Dichlorobenzidine	ND	170	ug/kg	18
2,4-Dichlorophenol	ND	35	ug/kg	3.5
Diethyl phthalate	ND	170	ug/kg	19
2,4-Dimethylphenol	ND	170	ug/kg	27
Dimethyl phthalate	ND	170	ug/kg	19

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: SD10-31

GC/MS Semivolatiles

Lot-Sample #...: C0J210496-004 **Work Order #...:** L8VLA1AC **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	170	ug/kg	22
4,6-Dinitro-2-methylphenol	ND	890	ug/kg	70
2,4-Dinitrophenol	ND	890	ug/kg	210
2,4-Dinitrotoluene	ND	170	ug/kg	14
2,6-Dinitrotoluene	ND	170	ug/kg	18
Di-n-octyl phthalate	ND	170	ug/kg	18
Fluoranthene	**110**	**35**	**ug/kg**	**3.7**
Fluorene	ND	35	ug/kg	4.6
Hexachlorobenzene	ND	35	ug/kg	3.7
Hexachlorobutadiene	ND	35	ug/kg	3.9
Hexachlorocyclopentadiene	ND	170	ug/kg	19
Hexachloroethane	ND	170	ug/kg	13
Indeno(1,2,3-cd)pyrene	**47**	**35**	**ug/kg**	**3.6**
Isophorone	ND	170	ug/kg	13
2-Methylnaphthalene	ND	35	ug/kg	3.1
2-Methylphenol	ND	170	ug/kg	12
4-Methylphenol	ND	170	ug/kg	17
Naphthalene	ND	35	ug/kg	3.0
2-Nitroaniline	ND	890	ug/kg	78
3-Nitroaniline	ND	890	ug/kg	72
4-Nitroaniline	ND	890	ug/kg	71
Nitrobenzene	ND	35	ug/kg	15
2-Nitrophenol	ND	170	ug/kg	19
4-Nitrophenol	ND	890	ug/kg	59
N-Nitrosodi-n-propylamine	ND	35	ug/kg	4.1
N-Nitrosodiphenylamine	ND	35	ug/kg	16
2,2'-oxybis (1-Chloropropane)	ND	35	ug/kg	3.8
Pentachlorophenol	ND	170	ug/kg	16
Phenanthrene	**39**	**35**	**ug/kg**	**5.5**
Phenol	ND	35	ug/kg	4.1
Pyrene	**72**	**35**	**ug/kg**	**3.5**
2,4,5-Trichlorophenol	ND	170	ug/kg	19
2,4,6-Trichlorophenol	ND	170	ug/kg	26

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: SD10-31

GC/MS Semivolatiles

Lot-Sample #...: C0J210496-004 **Work Order #...:** L8VLA1AC **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	50	(27 - 110)
Terphenyl-d14	51	(21 - 130)
2-Fluorobiphenyl	50	(28 - 108)
2-Fluorophenol	57	(28 - 107)
Phenol-d5	53	(30 - 112)
2,4,6-Tribromophenol	55	(21 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: SD10-32

GC/MS Semivolatiles

Lot-Sample #...:	C0J210496-005	**Work Order #...:**	L8VLH1AK	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10 16:00	**Date Received..:**	10/21/10 10:00	**MS Run #.....:**	0299018
Prep Date.....:	10/26/10	**Analysis Date..:**	10/27/10		
Prep Batch #...:	0299052	**Analysis Time..:**	08:15		
Dilution Factor:	2.5	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	63	**Analyst ID.....:**	007062	**Instrument ID..:**	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	45	ug/kg	4.3
Acenaphthylene	**37 J**	**45**	**ug/kg**	**5.2**
Acetophenone	ND	220	ug/kg	18
Anthracene	**32 J**	**45**	**ug/kg**	**4.4**
Atrazine	ND	220	ug/kg	22
Benzo(a)anthracene	**100**	**45**	**ug/kg**	**5.6**
Benzo(a)pyrene	**120**	**45**	**ug/kg**	**4.5**
Benzo(b)fluoranthene	**220**	**45**	**ug/kg**	**7.1**
Benzo(ghi)perylene	**98**	**45**	**ug/kg**	**4.5**
Benzo(k)fluoranthene	ND	45	ug/kg	9.1
Benzaldehyde	**110 J**	**220**	**ug/kg**	**34**
1,1'-Biphenyl	ND	220	ug/kg	21
bis(2-Chloroethoxy) methane	ND	220	ug/kg	15
bis(2-Chloroethyl)-ether	ND	45	ug/kg	6.0
bis(2-Ethylhexyl) phthalate	ND	220	ug/kg	36
4-Bromophenyl phenyl ether	ND	220	ug/kg	20
Butyl benzyl phthalate	**31 J**	**220**	**ug/kg**	**31**
Caprolactam	ND	1100	ug/kg	170
Carbazole	ND	45	ug/kg	4.1
4-Chloroaniline	ND	220	ug/kg	18
4-Chloro-3-methylphenol	ND	220	ug/kg	21
2-Chloronaphthalene	ND	45	ug/kg	4.7
2-Chlorophenol	ND	220	ug/kg	18
4-Chlorophenyl phenyl ether	ND	220	ug/kg	25
Chrysene	**150**	**45**	**ug/kg**	**5.4**
Dibenz(a,h)anthracene	**19 J**	**45**	**ug/kg**	**5.0**
Dibenzofuran	ND	220	ug/kg	22
3,3'-Dichlorobenzidine	ND	220	ug/kg	24
2,4-Dichlorophenol	ND	45	ug/kg	4.5
Diethyl phthalate	ND	220	ug/kg	25
2,4-Dimethylphenol	ND	220	ug/kg	35
Dimethyl phthalate	ND	220	ug/kg	25

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: SD10-32

GC/MS Semivolatiles

Lot-Sample #...: C0J210496-005 **Work Order #...:** L8VLH1AK **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	220	ug/kg	28
4,6-Dinitro-2-methylphenol	ND	1100	ug/kg	90
2,4-Dinitrophenol	ND	1100	ug/kg	270
2,4-Dinitrotoluene	ND	220	ug/kg	18
2,6-Dinitrotoluene	ND	220	ug/kg	23
Di-n-octyl phthalate	ND	220	ug/kg	24
Fluoranthene	**230**	**45**	**ug/kg**	**4.8**
Fluorene	ND	45	ug/kg	5.9
Hexachlorobenzene	ND	45	ug/kg	4.8
Hexachlorobutadiene	ND	45	ug/kg	5.0
Hexachlorocyclopentadiene	ND	220	ug/kg	24
Hexachloroethane	ND	220	ug/kg	16
Indeno(1,2,3-cd)pyrene	**83**	**45**	**ug/kg**	**4.6**
Isophorone	ND	220	ug/kg	17
2-Methylnaphthalene	ND	45	ug/kg	4.0
2-Methylphenol	ND	220	ug/kg	16
4-Methylphenol	ND	220	ug/kg	22
Naphthalene	ND	45	ug/kg	3.9
2-Nitroaniline	ND	1100	ug/kg	100
3-Nitroaniline	ND	1100	ug/kg	93
4-Nitroaniline	ND	1100	ug/kg	91
Nitrobenzene	ND	45	ug/kg	19
2-Nitrophenol	ND	220	ug/kg	25
4-Nitrophenol	ND	1100	ug/kg	77
N-Nitrosodi-n-propylamine	ND	45	ug/kg	5.3
N-Nitrosodiphenylamine	ND	45	ug/kg	21
2,2'-oxybis (1-Chloropropane)	ND	45	ug/kg	4.9
Pentachlorophenol	ND	220	ug/kg	20
Phenanthrene	**73**	**45**	**ug/kg**	**7.2**
Phenol	ND	45	ug/kg	5.3
Pyrene	**170**	**45**	**ug/kg**	**4.5**
2,4,5-Trichlorophenol	ND	220	ug/kg	24
2,4,6-Trichlorophenol	ND	220	ug/kg	34

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: SD10-32

GC/MS Semivolatiles

Lot-Sample #...: C0J210496-005 **Work Order #...:** L8VLH1AK **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	48	(27 - 110)
Terphenyl-d14	45	(21 - 130)
2-Fluorobiphenyl	46	(28 - 108)
2-Fluorophenol	51	(28 - 107)
Phenol-d5	46	(30 - 112)
2,4,6-Tribromophenol	47	(21 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: SD10-33

GC/MS Semivolatiles

Lot-Sample #...:	C0J210496-006	**Work Order #...:**	L8VLJ1AT	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10 16:00	**Date Received..:**	10/21/10 10:00	**MS Run #.....:**	0299018
Prep Date.....:	10/26/10	**Analysis Date..:**	10/27/10		
Prep Batch #...:	0299052	**Analysis Time..:**	08:35		
Dilution Factor:	2.48	**Initial Wgt/Vol:**	30.2 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	59	**Analyst ID.....:**	007062	**Instrument ID..:**	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**89**	**40**	**ug/kg**	**3.9**
Acenaphthylene	**600**	**40**	**ug/kg**	**4.6**
Acetophenone	ND	200	ug/kg	16
Anthracene	**530**	**40**	**ug/kg**	**3.9**
Atrazine	ND	200	ug/kg	20
Benzo(a)anthracene	**1600**	**40**	**ug/kg**	**5.0**
Benzo(a)pyrene	**1500**	**40**	**ug/kg**	**4.0**
Benzo(b)fluoranthene	**2600**	**40**	**ug/kg**	**6.3**
Benzo(ghi)perylene	**1100**	**40**	**ug/kg**	**4.0**
Benzo(k)fluoranthene	ND	40	ug/kg	8.1
Benzaldehyde	**100 J**	**200**	**ug/kg**	**30**
1,1'-Biphenyl	ND	200	ug/kg	19
bis(2-Chloroethoxy) methane	ND	200	ug/kg	13
bis(2-Chloroethyl)-ether	ND	40	ug/kg	5.4
bis(2-Ethylhexyl) phthalate	**50 J**	**200**	**ug/kg**	**32**
4-Bromophenyl phenyl ether	ND	200	ug/kg	17
Butyl benzyl phthalate	**37 J**	**200**	**ug/kg**	**27**
Caprolactam	ND	1000	ug/kg	150
Carbazole	**240**	**40**	**ug/kg**	**3.7**
4-Chloroaniline	ND	200	ug/kg	16
4-Chloro-3-methylphenol	ND	200	ug/kg	18
2-Chloronaphthalene	ND	40	ug/kg	4.2
2-Chlorophenol	ND	200	ug/kg	16
4-Chlorophenyl phenyl ether	ND	200	ug/kg	22
Chrysene	**2000**	**40**	**ug/kg**	**4.8**
Dibenz(a,h)anthracene	**340**	**40**	**ug/kg**	**4.5**
Dibenzofuran	**36 J**	**200**	**ug/kg**	**20**
3,3'-Dichlorobenzidine	ND	200	ug/kg	21
2,4-Dichlorophenol	ND	40	ug/kg	4.0
Diethyl phthalate	ND	200	ug/kg	22
2,4-Dimethylphenol	ND	200	ug/kg	31
Dimethyl phthalate	ND	200	ug/kg	22

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: SD10-33

GC/MS Semivolatiles

Lot-Sample #...: C0J210496-006 **Work Order #...:** L8VLJ1AT **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	200	ug/kg	25
4,6-Dinitro-2-methylphenol	ND	1000	ug/kg	81
2,4-Dinitrophenol	ND	1000	ug/kg	240
2,4-Dinitrotoluene	ND	200	ug/kg	16
2,6-Dinitrotoluene	ND	200	ug/kg	21
Di-n-octyl phthalate	ND	200	ug/kg	21
Fluoranthene	**5200**	**40**	**ug/kg**	**4.3**
Fluorene	**120**	**40**	**ug/kg**	**5.3**
Hexachlorobenzene	ND	40	ug/kg	4.3
Hexachlorobutadiene	ND	40	ug/kg	4.5
Hexachlorocyclopentadiene	ND	200	ug/kg	22
Hexachloroethane	ND	200	ug/kg	14
Indeno(1,2,3-cd)pyrene	**950**	**40**	**ug/kg**	**4.1**
Isophorone	ND	200	ug/kg	15
2-Methylnaphthalene	**16 J**	**40**	**ug/kg**	**3.6**
2-Methylphenol	ND	200	ug/kg	14
4-Methylphenol	**26 J**	**200**	**ug/kg**	**20**
Naphthalene	**21 J**	**40**	**ug/kg**	**3.5**
2-Nitroaniline	ND	1000	ug/kg	90
3-Nitroaniline	ND	1000	ug/kg	83
4-Nitroaniline	ND	1000	ug/kg	81
Nitrobenzene	ND	40	ug/kg	17
2-Nitrophenol	ND	200	ug/kg	22
4-Nitrophenol	ND	1000	ug/kg	68
N-Nitrosodi-n-propylamine	ND	40	ug/kg	4.7
N-Nitrosodiphenylamine	ND	40	ug/kg	19
2,2'-oxybis(1-Chloropropane)	ND	40	ug/kg	4.3
Pentachlorophenol	ND	200	ug/kg	18
Phenanthrene	**1400**	**40**	**ug/kg**	**6.4**
Phenol	ND	40	ug/kg	4.7
Pyrene	**2900**	**40**	**ug/kg**	**4.1**
2,4,5-Trichlorophenol	ND	200	ug/kg	21
2,4,6-Trichlorophenol	ND	200	ug/kg	30

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Leo Brausch Consulting

Client Sample ID: SD10-33

GC/MS Semivolatiles

Lot-Sample #...: C0J210496-006 **Work Order #...:** L8VLJ1AT **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	54	(27 - 110)
Terphenyl-d14	54	(21 - 130)
2-Fluorobiphenyl	58	(28 - 108)
2-Fluorophenol	60	(28 - 107)
Phenol-d5	60	(30 - 112)
2,4,6-Tribromophenol	66	(21 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

SW846 8270C SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Lot #: C0J210496

Extraction: XXA4F4201

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	TOT OUT
01	INTRA-LAB QC	75	67	75	75	72	79	00
02	EB10-20	63	62	61	74	64	57	00
03	SD10-31	50	51	50	57	53	55	00
04	SD10-32	48	45	46	51	46	47	00
05	SD10-33	54	54	58	60	60	66	00
06	METHOD BLK. L83VH1AA	74	72	72	86	75	80	00
07	LCS L83VH1AC	75	70	76	85	74	87	00
08	LAB MS/MSD D	63	56	60	61	62	67	00
09	LAB MS/MSD S	61	63	65	63	62	73	00

SURROGATES		QC LIMITS
SRG01	= Nitrobenzene-d5	(27-110)
SRG02	= Terphenyl-d14	(21-130)
SRG03	= 2-Fluorobiphenyl	(28-108)
SRG04	= 2-Fluorophenol	(28-107)
SRG05	= Phenol-d5	(30-112)
SRG06	= 2,4,6-Tribromophenol	(21-116)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8270C CHECK SAMPLE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Lot #: C0J260000 WO #: L83VH1AC
BATCH: 0299052

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Hexachloroethane	333	257	77	40 - 102	
Naphthalene	333	239	72	42 - 104	
4-Bromophenyl phenyl ethe	333	261	78	43 - 111	
Butyl benzyl phthalate	333	214	64	40 - 117	
Phenol	333	210	63	39 - 105	
2-Chlorophenol	333	238	71	40 - 105	
1,4-Dichlorobenzene	333	251	75	41 - 101	
N-Nitrosodi-n-propylamine	333	233	70	42 - 108	
1,2,4-Trichlorobenzene	333	251	75	41 - 105	
4-Chloro-3-methylphenol	333	232	70	43 - 110	
Acenaphthene	333	238	71	42 - 104	
4-Nitrophenol	333	236	71	27 - 131	
2,4-Dinitrotoluene	333	243	73	48 - 118	
Pentachlorophenol	333	235	70	18 - 125	
Pyrene	333	213	64	39 - 113	
4-Methylphenol	667	480	72	43 - 107	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 16 outside limits

COMMENTS:

FORM III

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Matrix Spike ID: LAB MS/MSD Level: (low/med) LOW

Lot #: C0J200539 WO #: L8R4D1DU
BATCH: 0299052

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Phenol	915	ND	553	60	39 - 105	
2-Chlorophenol	915	ND	555	61	40 - 105	
1,4-Dichlorobenzene	915	ND	527	58	41 - 101	
N-Nitrosodi-n-propylamine	915	ND	554	60	42 - 108	
1,2,4-Trichlorobenzene	915	ND	600	66	41 - 105	
4-Chloro-3-methylphenol	915	ND	637	70	43 - 110	
Acenaphthene	915	300	863	61	42 - 104	
4-Nitrophenol	915	ND	583	64	27 - 131	
2,4-Dinitrotoluene	915	ND	646	71	48 - 118	
Pentachlorophenol	915	ND	476	52	18 - 125	
Pyrene	915	1600	1890	29*	39 - 113	a
4-Methylphenol	1830	180	1330	63	43 - 107	
Hexachloroethane	915	ND	380	41	40 - 102	
Naphthalene	915	1300	1380	11*	42 - 104	a
4-Bromophenyl phenyl ethe	915	ND	625	68	43 - 111	
Butyl benzyl phthalate	915	79	679	66	40 - 117	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 2 out of 16 outside limits

COMMENTS:

FORM III

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Matrix Spike ID: LAB MS/MSD Level:(low/med) LOW

Lot #: C0J200539 WO #: L8R4D1DV
BATCH: 0299052

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Phenol	915	602	66	8.5	40	39- 105	
2-Chlorophenol	915	569	62	2.4	37	40- 105	
1,4-Dichlorobenzene	915	534	58	1.3	32	41- 101	
N-Nitrosodi-n-propylamine	915	549	60	0.78	32	42- 108	
1,2,4-Trichlorobenzene	915	602	66	0.33	36	41- 105	
4-Chloro-3-methylphenol	915	688	75	7.7	31	43- 110	
Acenaphthene	915	880	63	2.0	34	42- 104	
4-Nitrophenol	915	658	72	12	33	27- 131	
2,4-Dinitrotoluene	915	652	71	0.92	33	48- 118	
Pentachlorophenol	915	466	51	2.2	34	18- 125	
Pyrene	915	1750	13*	7.8	28	39- 113	a
4-Methylphenol	1830	1390	66	4.7	36	43- 107	
Hexachloroethane	915	361	39*	5.1	34	40- 102	a
Naphthalene	915	1360	9*	1.6	25	42- 104	a
4-Bromophenyl phenyl ethe	915	654	71	4.6	20	43- 111	
Butyl benzyl phthalate	915	682	66	0.48	34	40- 117	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 16 outside limits
Spike Recovery: 3 out of 16 outside limits

COMMENTS:

FORM III

SW846 8270C METHOD BLANK SUMMARY

BLANK WORKORDER NO.: L83VH1AA

Lab Name: TestAmerica Laboratories, Inc.

Lab Code: TALPIT

SDG Number:

Lab File ID: F1027015.

Lot Number: C0J210496

Date Analyzed: 10/27/10

Time Analyzed: 05:07

Matrix: SOLID

Date Extracted:10/26/10

GC Column: HP5MS ID: .25

Extraction Method:

Instrument ID: 722

Level:(low/med) LOW

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS, LCSD, MS , MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	INTRA-LAB QC	L8R4D1DT	F1027018.	10/27/10	06:11
02	LAB MS/MSD	L8R4D1DU S	F1027019.	10/27/10	06:32
03	LAB MS/MSD	L8R4D1DV D	F1027020.	10/27/10	06:53
04	EB10-20	L8VKP1AA	F1027022.	10/27/10	07:34
05	SD10-31	L8VLA1AC	F1027023.	10/27/10	07:55
06	SD10-32	L8VLH1AK	F1027024.	10/27/10	08:15
07	SD10-33	L8VLJ1AT	F1027025.	10/27/10	08:35
08	CHECK SAMPLE	L83VH1AC C	F1027016.	10/27/10	05:29
09					
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COMMENTS:

FORM IV

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C0J210496 **Work Order #...:** L83VH1AA **Matrix.....:** SOLID
MB Lot-Sample #: C0J260000-052

Prep Date.....: 10/26/10 **Analysis Time..:** 05:07
Analysis Date..: 10/27/10 **Prep Batch #...:** 0299052 **Final Wgt/Vol..:** 0.5 mL
Dilution Factor: 0.5 **Initial Wgt/Vol:** 30 g **Instrument ID..:** 722
Analyst ID.....: 007062

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	3.4	ug/kg	SW846 8270C
Acenaphthylene	ND	3.4	ug/kg	SW846 8270C
Acetophenone	ND	16	ug/kg	SW846 8270C
Anthracene	ND	3.4	ug/kg	SW846 8270C
Atrazine	ND	16	ug/kg	SW846 8270C
Benzo(a)anthracene	ND	3.4	ug/kg	SW846 8270C
Benzo(a)pyrene	ND	3.4	ug/kg	SW846 8270C
Benzo(b)fluoranthene	ND	3.4	ug/kg	SW846 8270C
Benzo(ghi)perylene	ND	3.4	ug/kg	SW846 8270C
Benzo(k)fluoranthene	ND	3.4	ug/kg	SW846 8270C
Benzaldehyde	ND	16	ug/kg	SW846 8270C
1,1'-Biphenyl	ND	16	ug/kg	SW846 8270C
bis(2-Chloroethoxy) methane	ND	16	ug/kg	SW846 8270C
bis(2-Chloroethyl)-ether	ND	3.4	ug/kg	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	16	ug/kg	SW846 8270C
4-Bromophenyl phenyl ether	ND	16	ug/kg	SW846 8270C
Butyl benzyl phthalate	ND	16	ug/kg	SW846 8270C
Caprolactam	ND	85	ug/kg	SW846 8270C
Carbazole	ND	3.4	ug/kg	SW846 8270C
4-Chloroaniline	ND	16	ug/kg	SW846 8270C
4-Chloro-3-methylphenol	ND	16	ug/kg	SW846 8270C
2-Chloronaphthalene	ND	3.4	ug/kg	SW846 8270C
2-Chlorophenol	ND	16	ug/kg	SW846 8270C
4-Chlorophenyl phenyl ether	ND	16	ug/kg	SW846 8270C
Chrysene	ND	3.4	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	ND	3.4	ug/kg	SW846 8270C
Dibenzofuran	ND	16	ug/kg	SW846 8270C
3,3'-Dichlorobenzidine	ND	16	ug/kg	SW846 8270C
2,4-Dichlorophenol	ND	3.4	ug/kg	SW846 8270C
Diethyl phthalate	ND	16	ug/kg	SW846 8270C
2,4-Dimethylphenol	ND	16	ug/kg	SW846 8270C
Dimethyl phthalate	ND	16	ug/kg	SW846 8270C
Di-n-butyl phthalate	ND	16	ug/kg	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	85	ug/kg	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C0J210496 **Work Order #...:** L83VH1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-Dinitrophenol	ND	85	ug/kg	SW846 8270C
2,4-Dinitrotoluene	ND	16	ug/kg	SW846 8270C
2,6-Dinitrotoluene	ND	16	ug/kg	SW846 8270C
Di-n-octyl phthalate	ND	16	ug/kg	SW846 8270C
Fluoranthene	ND	3.4	ug/kg	SW846 8270C
Fluorene	ND	3.4	ug/kg	SW846 8270C
Hexachlorobenzene	ND	3.4	ug/kg	SW846 8270C
Hexachlorobutadiene	ND	3.4	ug/kg	SW846 8270C
Hexachlorocyclopenta-diene	ND	16	ug/kg	SW846 8270C
Hexachloroethane	ND	16	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	3.4	ug/kg	SW846 8270C
Isophorone	ND	16	ug/kg	SW846 8270C
2-Methylnaphthalene	ND	3.4	ug/kg	SW846 8270C
2-Methylphenol	ND	16	ug/kg	SW846 8270C
4-Methylphenol	ND	16	ug/kg	SW846 8270C
Naphthalene	ND	3.4	ug/kg	SW846 8270C
2-Nitroaniline	ND	85	ug/kg	SW846 8270C
3-Nitroaniline	ND	85	ug/kg	SW846 8270C
4-Nitroaniline	ND	85	ug/kg	SW846 8270C
Nitrobenzene	ND	3.4	ug/kg	SW846 8270C
2-Nitrophenol	ND	16	ug/kg	SW846 8270C
4-Nitrophenol	ND	85	ug/kg	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	3.4	ug/kg	SW846 8270C
N-Nitrosodiphenylamine	ND	3.4	ug/kg	SW846 8270C
2,2'-oxybis (1-Chloropropane)	ND	3.4	ug/kg	SW846 8270C
Pentachlorophenol	ND	16	ug/kg	SW846 8270C
Phenanthrene	ND	3.4	ug/kg	SW846 8270C
Phenol	ND	3.4	ug/kg	SW846 8270C
Pyrene	ND	3.4	ug/kg	SW846 8270C
2,4,5-Trichloro-phenol	ND	16	ug/kg	SW846 8270C
2,4,6-Trichloro-phenol	ND	16	ug/kg	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	74	(27 - 110)
Terphenyl-d14	72	(21 - 130)
2-Fluorobiphenyl	72	(28 - 108)
2-Fluorophenol	86	(28 - 107)
Phenol-d5	75	(30 - 112)
2,4,6-Tribromophenol	80	(21 - 116)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C0J210496 **Work Order #...:** L83VH1AA **Matrix.....:** SOLID

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: SDG No.: C0J210496

Lab File ID (Standard): F10270C2 Date Analyzed: 10/26/10

Instrument ID: 722 Time Analyzed: 2257

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	118698	4.16	426707	5.14	217037	6.49
	UPPER LIMIT	237396	4.66	853414	5.64	434074	6.99
	LOWER LIMIT	59349	3.66	213354	4.64	108519	5.99
	CLIENT SAMPLE NO.						
01	INTRA-LAB BL	123008	4.15	424768	5.14	213999	6.49
02	INTRA-LAB CH	125074	4.15	445544	5.14	226523	6.49
03	EB10-20	105463	4.15	354749	5.14	184155	6.49
04	SD10-31	91330	4.15	328214	5.14	184891	6.49
05	SD10-32	128269	4.15	428881	5.14	222409	6.48
06	SD10-33	92477	4.15	323068	5.14	180062	6.48
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: SDG No.: C0J210496

Lab File ID (Standard): F10270C2 Date Analyzed: 10/26/10

Instrument ID: 722 Time Analyzed: 2257

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	291678	7.64	251325	9.93	239546	11.47
	UPPER LIMIT	583356	8.14	502650	10.43	479092	11.97
	LOWER LIMIT	145839	7.14	125663	9.43	119773	10.97
	CLIENT SAMPLE NO.						
01	INTRA-LAB BL	314023	7.64	307478	9.92	287279	11.45
02	INTRA-LAB CH	319541	7.64	327586	9.92	305512	11.46
03	EB10-20	292368	7.63	309968	9.91	374791	11.45
04	SD10-31	292061	7.63	336433	9.91	372990	11.46
05	SD10-32	341335	7.63	383601	9.91	421409	11.45
06	SD10-33	285327	7.63	352600	9.91	413148	11.46
07							
08							
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20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

PCB SUMMARY

Leo Brausch Consulting

Client Sample ID: EB10-20

GC Semivolatiles

Lot-Sample #...:	C0J210496-001	**Work Order #...:**	L8VKP1AC	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	10/21/10	**MS Run #.....:**	0299034
Prep Date.....:	10/26/10	**Analysis Date..:**	11/10/10		
Prep Batch #...:	0299055	**Analysis Time..:**	10:45		
Dilution Factor:	0.49	**Initial Wgt/Vol:**	15.2 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:		**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	8.2	ug/kg	1.2
Aroclor 1221	ND	8.2	ug/kg	1.6
Aroclor 1232	ND	8.2	ug/kg	1.4
Aroclor 1242	ND	8.2	ug/kg	1.3
Aroclor 1248	ND	8.2	ug/kg	0.77
Aroclor 1254	ND	8.2	ug/kg	1.2
Aroclor 1260	ND	8.2	ug/kg	1.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	97	(35 - 140)
Decachlorobiphenyl	91	(35 - 140)

Leo Brausch Consulting

Client Sample ID: SD10-19

GC Semivolatiles

Lot-Sample #...:	C0J210496-002	**Work Order #...:**	L8VKW1AC	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	10/21/10	**MS Run #.....:**	0299034
Prep Date.....:	10/26/10	**Analysis Date..:**	11/10/10		
Prep Batch #...:	0299055	**Analysis Time..:**	11:13		
Dilution Factor:	0.5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	25	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	11	ug/kg	1.7
Aroclor 1221	ND	11	ug/kg	2.1
Aroclor 1232	ND	11	ug/kg	1.9
Aroclor 1242	ND	11	ug/kg	1.8
Aroclor 1248	ND	11	ug/kg	1.1
Aroclor 1254	ND	11	ug/kg	1.6
Aroclor 1260	**2.9 J**	**11**	**ug/kg**	**1.6**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	96	(35 - 140)
Decachlorobiphenyl	81	(35 - 140)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: SD10-18

GC Semivolatiles

Lot-Sample #...:	C0J210496-003	**Work Order #...:**	L8VK81AH	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	10/21/10	**MS Run #.....:**	0299034
Prep Date.....:	10/26/10	**Analysis Date..:**	11/10/10		
Prep Batch #...:	0299055	**Analysis Time..:**	11:43		
Dilution Factor:	0.49	**Initial Wgt/Vol:**	15.1 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	46	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	15	ug/kg	2.2
Aroclor 1221	ND	15	ug/kg	2.9
Aroclor 1232	ND	15	ug/kg	2.6
Aroclor 1242	ND	15	ug/kg	2.5
Aroclor 1248	ND	15	ug/kg	1.4
Aroclor 1254	ND	15	ug/kg	2.1
Aroclor 1260	**28**	**15**	**ug/kg**	**2.1**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	104	(35 - 140)
Decachlorobiphenyl	75	(35 - 140)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Leo Brausch Consulting

Client Sample ID: SD10-31

GC Semivolatiles

Lot-Sample #...:	C0J210496-004	**Work Order #...:**	L8VLA1AD	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	10/21/10	**MS Run #.....:**	0299034
Prep Date.....:	10/26/10	**Analysis Date..:**	11/10/10		
Prep Batch #...:	0299055	**Analysis Time..:**	12:11		
Dilution Factor:	0.5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	52	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	18	ug/kg	2.6
Aroclor 1221	ND	18	ug/kg	3.3
Aroclor 1232	ND	18	ug/kg	3.0
Aroclor 1242	ND	18	ug/kg	2.9
Aroclor 1248	ND	18	ug/kg	1.7
Aroclor 1254	ND	18	ug/kg	2.5
Aroclor 1260	**20**	**18**	**ug/kg**	**2.5**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	96	(35 - 140)
Decachlorobiphenyl	80	(35 - 140)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Leo Brausch Consulting

Client Sample ID: SD10-32

GC Semivolatiles

Lot-Sample #...:	C0J210496-005	**Work Order #...:**	L8VLH1AL	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	10/21/10	**MS Run #.....:**	0299034
Prep Date.....:	10/26/10	**Analysis Date..:**	11/10/10		
Prep Batch #...:	0299055	**Analysis Time..:**	12:40		
Dilution Factor:	0.5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	63	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	22	ug/kg	3.3
Aroclor 1221	ND	22	ug/kg	4.3
Aroclor 1232	ND	22	ug/kg	3.8
Aroclor 1242	ND	22	ug/kg	3.7
Aroclor 1248	ND	22	ug/kg	2.1
Aroclor 1254	ND	22	ug/kg	3.2
Aroclor 1260	**27**	**22**	**ug/kg**	**3.2**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	96	(35 - 140)
Decachlorobiphenyl	78	(35 - 140)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Leo Brausch Consulting

Client Sample ID: SD10-33

GC Semivolatiles

Lot-Sample #...:	C0J210496-006	**Work Order #...:**	L8VLJ1AU	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	10/21/10	**MS Run #.....:**	0299034
Prep Date.....:	10/26/10	**Analysis Date..:**	11/10/10		
Prep Batch #...:	0299055	**Analysis Time..:**	14:06		
Dilution Factor:	0.49	**Initial Wgt/Vol:**	15.2 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	59	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	20	ug/kg	2.9
Aroclor 1221	ND	20	ug/kg	3.8
Aroclor 1232	ND	20	ug/kg	3.4
Aroclor 1242	ND	20	ug/kg	3.2
Aroclor 1248	ND	20	ug/kg	1.9
Aroclor 1254	ND	20	ug/kg	2.8
Aroclor 1260	**20**	**20**	**ug/kg**	**2.8**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	90	(35 - 140)
Decachlorobiphenyl	80	(35 - 140)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

SW846 8082 SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Lot #: C0J210496

Extraction: XXA4FQH01

	CLIENT ID.	SRG01	SRG02	TOT OUT
01	EB10-20	97	91	00
02	SD10-19	96	81	00
03	SD10-18	104	75	00
04	SD10-31	96	80	00
05	SD10-32	96	78	00
06	SD10-33	90	80	00
07	METHOD BLK. L83WC1AA	107	103	00
08	LCS L83WC1AC	106	101	00
09	SD10-32 D	82	72	00
10	SD10-32 S	104	87	00

SURROGATES		QC LIMITS
SRG01	= Tetrachloro-m-xylene	(35-140)
SRG02	= Decachlorobiphenyl	(35-140)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8082 CHECK SAMPLE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Lot #: C0J260000 WO #: L83WC1AC
BATCH: 0299055

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	667	555	83	55 - 130	
Aroclor 1260	667	612	92	54 - 130	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Matrix Spike ID: SD10-32 Level:(low/med) LOW

Lot #: C0J210496 WO #: L8VLH1A8
BATCH: 0299055

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Aroclor 1016	1800	ND	1340	74	55- 130	
Aroclor 1260	1800	27	1460	80	54- 130	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Matrix Spike ID: SD10-32 Level: (low/med) LOW

Lot #: C0J210496 WO #: L8VLH1A9
BATCH: 0299055

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Aroclor 1016	1800	1150	64	15	35	55- 130	
Aroclor 1260	1800	1250	68	15	29	54- 130	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.

L83WC1AA

SW846 8082 METHOD BLANK SUMMARY

Lab Name: TestAmerica Laboratories, Inc.

Lab Code: TALPIT

SDG Number:

Lab File ID: Y1100341.

Lot Number: C0J210496

Matrix: SOLID

Extraction Method: 3541

Date Extracted: 10/26/10

Date Analyzed(1): 11/10/10

Date Analyzed(2): N/A

Time Analyzed(1): 15:04

Time Analyzed(2): N/A

Instrument ID(1): S/T

Instrument ID(2): N/A

GC Column(1): MR1/MR2 ID: 053 GC Column(2): N/A ID: N/A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED(1)	DATE ANALYZED(2)
01	EB10-20	L8VKP1AC	11/10/10	N/A
02	SD10-19	L8VKW1AC	11/10/10	N/A
03	SD10-18	L8VK81AH	11/10/10	N/A
04	SD10-31	L8VLA1AD	11/10/10	N/A
05	SD10-32	L8VLH1AL	11/10/10	N/A
06	SD10-32	L8VLH1A8 S	11/10/10	N/A
07	SD10-32	L8VLH1A9 D	11/10/10	N/A
08	SD10-33	L8VLJ1AU	11/10/10	N/A
09	CHECK SAMPLE	L83WC1AC C	11/10/10	N/A
10				
11				
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13				
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15				
16				
17				
18				
19				
20				

COMMENTS:

FORM IV

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: C0J210496
MB Lot-Sample #: C0J260000-055

Work Order #...: L83WC1AA

Prep Date.....: 10/26/10
Prep Batch #...: 0299055
Initial Wgt/Vol: 15 g
Analyst ID.....: 402360

Matrix.....: SOLID

Analysis Time..: 15:04
Final Wgt/Vol..: 10 mL
Instrument ID..: S/T

Analysis Date..: 11/10/10
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	17	ug/kg	SW846 8082
Aroclor 1221	ND	17	ug/kg	SW846 8082
Aroclor 1232	ND	17	ug/kg	SW846 8082
Aroclor 1242	ND	17	ug/kg	SW846 8082
Aroclor 1248	ND	17	ug/kg	SW846 8082
Aroclor 1254	ND	17	ug/kg	SW846 8082
Aroclor 1260	ND	17	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	107	(35 - 140)
Decachlorobiphenyl	103	(35 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METALS SUMMARY

Leo Brausch Consulting

Client Sample ID: EB10-20

TOTAL Metals

Lot-Sample #...: C0J210496-001 **Matrix.....:** SOLID
Date Sampled...: 10/20/10 **Date Received..:** 10/21/10
% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0309374						
Silver	ND	0.048	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1AD
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0019	
Aluminum	**0.93 B**	**1.4**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKP1AE**
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.14	
Arsenic	ND	0.048	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1AF
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0087	
Barium	**0.079 B**	**0.48**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKP1AG**
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0051	
Beryllium	ND	0.048	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1AH
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0036	
Calcium	**16.6**	**4.8**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKP1AJ**
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.64	
Cadmium	ND	0.048	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1AK
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0034	
Cobalt	ND	0.024	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1AL
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.00072	
Chromium	**0.14**	**0.096**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKP1AM**
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0029	

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Client Sample ID: EB10-20

TOTAL Metals

Lot-Sample #...: C0J210496-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	0.10	0.096	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1AN
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.016	
Iron	1.5 B,J	2.4	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1AP
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.17	
Potassium	5.4 J	4.8	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1AQ
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.65	
Magnesium	3.7 B	4.8	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1AR
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.090	
Manganese	0.028	0.024	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1AT
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0049	
Sodium	6.5	4.8	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1AU
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.66	
Nickel	0.024 B	0.048	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1AV
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0054	
Lead	0.017 B	0.048	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1AW
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0018	
Selenium	ND	0.24	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1AX
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.024	
Thallium	0.0037 B,J	0.048	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1A0
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.00096	

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Client Sample ID: EB10-20

TOTAL Metals

Lot-Sample #...: C0J210496-001 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	**0.016 B,J**	**0.096**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKP1A1**
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0012	
Vanadium	ND	0.048	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1A2
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0038	
Zinc	**0.88**	**0.24**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKP1A3**
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.031	
Prep Batch #...: 0312033						
Mercury	ND	0.016	mg/kg	SW846 7471A	11/08/10	L8VKP1A4
		Dilution Factor: 0.5		Analysis Time..: 09:32	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0312032	MDL.....: 0.0054	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

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Client Sample ID: SD10-19

TOTAL Metals

Lot-Sample #...: C0J210496-002 **Matrix.....:** SOLID
Date Sampled...: 10/20/10 **Date Received..:** 10/21/10
% Moisture.....: 25

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0309374						
Silver	**0.10**	**0.059**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AD**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0023	
Aluminum	**14200**	**1.8**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AE**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.17	
Arsenic	**3.4**	**0.059**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AF**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.011	
Barium	**223**	**0.59**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AG**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0063	
Beryllium	**0.81**	**0.059**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AH**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0044	
Calcium	**5400**	**5.9**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AJ**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.78	
Cadmium	**0.73**	**0.059**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AK**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0041	
Cobalt	**9.3**	**0.029**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AL**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.00088	
Chromium	**18.7**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AM**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0036	

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Client Sample ID: SD10-19

TOTAL Metals

Lot-Sample #...: C0J210496-002 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	**18.6**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AN**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.019	
Iron	**25600 J**	**2.9**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AP**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.21	
Potassium	**964 J**	**5.9**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AQ**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.80	
Magnesium	**4100**	**5.9**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AR**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.11	
Manganese	**205**	**0.029**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AT**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0061	
Sodium	**172**	**5.9**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AU**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.81	
Nickel	**25.4**	**0.059**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AV**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0067	
Lead	**19.2**	**0.059**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AW**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0022	
Selenium	**0.67**	**0.29**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AX**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.030	
Thallium	**0.11 J**	**0.059**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1A0**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0012	

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Client Sample ID: SD10-19

TOTAL Metals

Lot-Sample #...: C0J210496-002 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	**0.16 J**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1A1**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0015	
Vanadium	**18.6**	**0.059**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1A2**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0047	
Zinc	**95.0**	**0.29**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1A3**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.038	
Prep Batch #...: 0312033						
Mercury	**0.035**	**0.022**	**mg/kg**	**SW846 7471A**	**11/08/10**	**L8VKW1A4**
		Dilution Factor: 0.5		Analysis Time..: 09:34	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0312032	MDL.....: 0.0073	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

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Client Sample ID: SD10-18

TOTAL Metals

Lot-Sample #...: C0J210496-003 **Matrix.....:** SOLID
Date Sampled...: 10/20/10 **Date Received..:** 10/21/10
% Moisture.....: 46

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0309374						
Silver	**1.0**	**0.088**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AJ**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0034	
Aluminum	**12600**	**2.7**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AK**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.25	
Arsenic	**4.6**	**0.088**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AL**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.016	
Barium	**192**	**0.88**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AM**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0095	
Beryllium	**0.70**	**0.088**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AN**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0066	
Calcium	**20700**	**8.8**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AP**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.2	
Cadmium	**7.0**	**0.088**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AQ**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0062	
Cobalt	**9.2**	**0.044**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AR**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0013	
Chromium	**25.0**	**0.18**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AT**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0054	

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Client Sample ID: SD10-18

TOTAL Metals

Lot-Sample #...: C0J210496-003 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	**29.2**	**0.18**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AU**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.029	
Iron	**24400 J**	**4.4**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AV**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.31	
Potassium	**1030 J**	**8.8**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AW**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.2	
Magnesium	**4380**	**8.8**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AX**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.17	
Manganese	**235**	**0.044**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81A0**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0091	
Sodium	**220**	**8.8**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81A1**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.2	
Nickel	**27.2**	**0.088**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81A2**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.010	
Lead	**45.2**	**0.088**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81A3**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0034	
Selenium	**0.80**	**0.44**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81A4**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.044	
Thallium	**0.13 J**	**0.088**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AA**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0018	

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Client Sample ID: SD10-18

TOTAL Metals

Lot-Sample #...: C0J210496-003 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	**0.46 J**	**0.18**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AC**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0023	
Vanadium	**18.2**	**0.088**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AD**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0070	
Zinc	**192**	**0.44**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AE**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.057	
Prep Batch #...: 0312033						
Mercury	**0.071**	**0.030**	**mg/kg**	**SW846 7471A**	**11/08/10**	**L8VK81AF**
		Dilution Factor: 0.5		Analysis Time..: 09:35	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0312032	MDL.....: 0.010	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

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Client Sample ID: SD10-31

TOTAL Metals

Lot-Sample #...: C0J210496-004 **Matrix.....:** SOLID
Date Sampled...: 10/20/10 **Date Received..:** 10/21/10
% Moisture.....: 52

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0309374						
Silver	**1.3**	**0.084**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AE**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0033	
Aluminum	**13500**	**2.5**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AF**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.24	
Arsenic	**1.7**	**0.084**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AG**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.015	
Barium	**294**	**0.84**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AH**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0090	
Beryllium	**0.73**	**0.084**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AJ**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0063	
Calcium	**7470**	**8.4**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AK**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.1	
Cadmium	**3.4**	**0.084**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AL**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0059	
Cobalt	**7.4**	**0.042**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AM**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0013	
Chromium	**41.6**	**0.17**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AN**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0051	

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Client Sample ID: SD10-31

TOTAL Metals

Lot-Sample #...: C0J210496-004 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	35.1	0.17	mg/kg	SW846 6020	11/05-11/08/10	L8VLA1AP
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.028	
Iron	18100 J	4.2	mg/kg	SW846 6020	11/05-11/08/10	L8VLA1AQ
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.30	
Potassium	1320 J	8.4	mg/kg	SW846 6020	11/05-11/08/10	L8VLA1AR
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.1	
Magnesium	3410	8.4	mg/kg	SW846 6020	11/05-11/08/10	L8VLA1AT
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.16	
Manganese	107	0.042	mg/kg	SW846 6020	11/05-11/08/10	L8VLA1AU
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0087	
Sodium	293	8.4	mg/kg	SW846 6020	11/05-11/08/10	L8VLA1AV
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.1	
Nickel	35.4	0.084	mg/kg	SW846 6020	11/05-11/08/10	L8VLA1AW
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0095	
Lead	114	0.084	mg/kg	SW846 6020	11/05-11/08/10	L8VLA1AX
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0032	
Selenium	1.1	0.42	mg/kg	SW846 6020	11/05-11/08/10	L8VLA1A0
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.042	
Thallium	0.19 J	0.084	mg/kg	SW846 6020	11/05-11/08/10	L8VLA1A1
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0017	

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Client Sample ID: SD10-31

TOTAL Metals

Lot-Sample #...: C0J210496-004 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	**0.99 J**	**0.17**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1A2**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0022	
Vanadium	**17.8**	**0.084**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1A3**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0066	
Zinc	**202**	**0.42**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1A4**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.054	
Prep Batch #...: 0312033						
Mercury	**0.10**	**0.035**	**mg/kg**	**SW846 7471A**	**11/08/10**	**L8VLA1A5**
		Dilution Factor: 0.5		Analysis Time..: 09:37	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0312032	MDL.....: 0.01	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

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Client Sample ID: SD10-32

TOTAL Metals

Lot-Sample #...: C0J210496-005 **Matrix.....:** SOLID
Date Sampled...: 10/20/10 **Date Received..:** 10/21/10
% Moisture.....: 63

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0309374						
Silver	**1.5**	**0.13**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AM**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0050	
Aluminum	**12300**	**3.9**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AN**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.37	
Arsenic	**2.2**	**0.13**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AP**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.023	
Barium	**234**	**1.3**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AQ**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.014	
Beryllium	**0.68**	**0.13**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AR**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0097	
Calcium	**9500**	**12.9**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AT**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.7	
Cadmium	**4.2**	**0.13**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AU**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0091	
Cobalt	**7.2**	**0.065**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AV**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0019	
Chromium	**42.2**	**0.26**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AW**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0079	

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Client Sample ID: SD10-32

TOTAL Metals

Lot-Sample #...: C0J210496-005 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	41.8	0.26	mg/kg	SW846 6020	11/05-11/08/10	L8VLH1AX
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.043	
Iron	17200 J	6.5	mg/kg	SW846 6020	11/05-11/08/10	L8VLH1A0
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.46	
Potassium	1050 J	12.9	mg/kg	SW846 6020	11/05-11/08/10	L8VLH1A1
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.8	
Magnesium	3100	12.9	mg/kg	SW846 6020	11/05-11/08/10	L8VLH1A2
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.24	
Manganese	98.5	0.065	mg/kg	SW846 6020	11/05-11/08/10	L8VLH1A3
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.013	
Sodium	333	12.9	mg/kg	SW846 6020	11/05-11/08/10	L8VLH1A4
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.8	
Nickel	34.7	0.13	mg/kg	SW846 6020	11/05-11/08/10	L8VLH1A5
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.015	
Lead	126	0.13	mg/kg	SW846 6020	11/05-11/08/10	L8VLH1A6
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0049	
Selenium	0.98	0.65	mg/kg	SW846 6020	11/05-11/08/10	L8VLH1AA
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.065	
Thallium	0.21 J	0.13	mg/kg	SW846 6020	11/05-11/08/10	L8VLH1AC
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0026	

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Client Sample ID: SD10-32

TOTAL Metals

Lot-Sample #...: C0J210496-005 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	**0.94 J**	**0.26**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AD**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0034	
Vanadium	**18.0**	**0.13**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AE**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.010	
Zinc	**227**	**0.65**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AF**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.084	
Prep Batch #...: 0312033						
Mercury	**0.099**	**0.044**	**mg/kg**	**SW846 7471A**	**11/08/10**	**L8VLH1AG**
		Dilution Factor: 0.5		Analysis Time..: 09:39	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0312032	MDL.....: 0.015	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

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Client Sample ID: SD10-33

TOTAL Metals

Lot-Sample #...: C0J210496-006 **Matrix.....:** SOLID
Date Sampled...: 10/20/10 **Date Received..:** 10/21/10
% Moisture.....: 59

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0309374						
Silver	**2.0**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AV**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0048	
Aluminum	**10700**	**3.7**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AW**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.35	
Arsenic	**3.1**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AX**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.022	
Barium	**204**	**1.2**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1A0**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.013	
Beryllium	**0.57**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1A1**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0093	
Calcium	**11800**	**12.4**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1A2**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.6	
Cadmium	**5.1**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1A3**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0087	
Cobalt	**7.3**	**0.062**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1A4**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0019	
Chromium	**51.2**	**0.25**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1A5**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0075	

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Client Sample ID: SD10-33

TOTAL Metals

Lot-Sample #...: C0J210496-006 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	**46.8**	**0.25**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1A6**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.041	
Iron	**17600 J**	**6.2**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AA**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.44	
Potassium	**1040 J**	**12.4**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AC**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.7	
Magnesium	**3240**	**12.4**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AD**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.23	
Manganese	**118**	**0.062**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AE**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.013	
Sodium	**295**	**12.4**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AF**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.7	
Nickel	**40.1**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AG**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.014	
Lead	**157**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AH**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0047	
Selenium	**1.2**	**0.62**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AJ**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.062	
Thallium	**0.15 J**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AK**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0025	

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Leo Brausch Consulting

Client Sample ID: SD10-33

TOTAL Metals

Lot-Sample #...: C0J210496-006 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	**1.2 J**	**0.25**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AL**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0032	
Vanadium	**15.8**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AM**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0098	
Zinc	**263**	**0.62**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AN**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.080	
Prep Batch #...: 0312033						
Mercury	**0.10**	**0.040**	**mg/kg**	**SW846 7471A**	**11/08/10**	**L8VLJ1AP**
		Dilution Factor: 0.5		Analysis Time..: 09:44	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0312032	MDL.....: 0.013	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C0K050000-374 **Prep Batch #...:** 0309374						
Silver	ND	0.10	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AA
		Dilution Factor: 1				
		Analysis Time..: 21:44		Analyst ID.....: 400149	Instrument ID..: ICP	
Aluminum	ND	1.2	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AC
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Arsenic	ND	0.040	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AD
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Barium	ND	0.40	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AE
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Beryllium	ND	0.040	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AF
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Calcium	ND	4.0	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AG
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Cadmium	ND	0.040	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AH
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Cobalt	ND	0.020	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AJ
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Chromium	ND	0.080	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AK
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Copper	ND	0.080	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AL
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Iron	**0.55 B**	**2.0**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L9MM91AM**
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	**1.6 B**	**4.0**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L9MM91AN**
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Magnesium	ND	4.0	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AP
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Manganese	ND	0.020	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AQ
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Sodium	ND	4.0	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AR
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Nickel	ND	0.040	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AT
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Lead	ND	0.040	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AU
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Selenium	ND	0.20	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AV
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Thallium	**0.0031 B**	**0.040**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L9MM91AW**
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Antimony	**0.0065 B**	**0.080**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L9MM91AX**
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Vanadium	ND	0.040	mg/kg	SW846 6020	11/05-11/08/10	L9MM91A0
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Zinc	ND	0.20	mg/kg	SW846 6020	11/05-11/08/10	L9MM91A1
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C0K080000-033 **Prep Batch #...:** 0312033						
Mercury	ND	0.016	mg/kg	SW846 7471A	11/08/10	L9NRF1AA
		Dilution Factor: 0.5				
		Analysis Time..: 08:54		Analyst ID.....: 031043	Instrument ID..: HGH	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C0K050000-374 **Prep Batch #...:** 0309374					
Silver	100	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91A2
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Aluminum	85	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91A3
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Arsenic	88	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91A4
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Barium	89	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91A5
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Beryllium	100	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91A6
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Calcium	106	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91A7
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Cadmium	94	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91A8
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Cobalt	93	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91A9
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Chromium	94	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CA
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Copper	96	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CC
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	97	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CD
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Potassium	102	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CE
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Magnesium	91	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CF
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Manganese	95	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CG
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Sodium	98	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CH
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Nickel	91	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CJ
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Lead	100	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CK
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Selenium	86	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CL
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Thallium	97	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CM
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Antimony	91	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CN
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Vanadium	93	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CP
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	99	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CQ

Dilution Factor: 0.5 Analysis Time..: 15:41 Analyst ID.....: 400149
Instrument ID..: ICPMS2

LCS Lot-Sample#: C0K080000-033 **Prep Batch #...:** 0312033

Mercury	97	(80 - 120)	SW846 7471A	11/08/10	L9NRF1AC

Dilution Factor: 0.5 Analysis Time..: 08:56 Analyst ID.....: 031043
Instrument ID..: HGHYDRA

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C0K050000-374 **Prep Batch #...:** 0309374							
Silver	2.50	2.50	mg/kg	100	SW846 6020	11/05-11/08/10	L9MM91A2
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Aluminum	100	85.0	mg/kg	85	SW846 6020	11/05-11/08/10	L9MM91A3
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Arsenic	2.00	1.76	mg/kg	88	SW846 6020	11/05-11/08/10	L9MM91A4
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Barium	100	89.0	mg/kg	89	SW846 6020	11/05-11/08/10	L9MM91A5
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Beryllium	2.50	2.50	mg/kg	100	SW846 6020	11/05-11/08/10	L9MM91A6
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Calcium	2500	2660	mg/kg	106	SW846 6020	11/05-11/08/10	L9MM91A7
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Cadmium	2.50	2.34	mg/kg	94	SW846 6020	11/05-11/08/10	L9MM91A8
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Cobalt	25.0	23.3	mg/kg	93	SW846 6020	11/05-11/08/10	L9MM91A9
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Chromium	10.0	9.36	mg/kg	94	SW846 6020	11/05-11/08/10	L9MM91CA
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Copper	12.5	12.0	mg/kg	96	SW846 6020	11/05-11/08/10	L9MM91CC
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	50.0	48.7	mg/kg	97	SW846 6020	11/05-11/08/10	L9MM91CD
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Potassium	2500	2560	mg/kg	102	SW846 6020	11/05-11/08/10	L9MM91CE
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Magnesium	2500	2270	mg/kg	91	SW846 6020	11/05-11/08/10	L9MM91CF
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Manganese	25.0	23.7	mg/kg	95	SW846 6020	11/05-11/08/10	L9MM91CG
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Sodium	2500	2440	mg/kg	98	SW846 6020	11/05-11/08/10	L9MM91CH
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Nickel	25.0	22.7	mg/kg	91	SW846 6020	11/05-11/08/10	L9MM91CJ
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Lead	1.00	0.996	mg/kg	100	SW846 6020	11/05-11/08/10	L9MM91CK
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Selenium	0.500	0.431	mg/kg	86	SW846 6020	11/05-11/08/10	L9MM91CL
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Thallium	2.50	2.43	mg/kg	97	SW846 6020	11/05-11/08/10	L9MM91CM
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Antimony	25.0	22.7	mg/kg	91	SW846 6020	11/05-11/08/10	L9MM91CN
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Vanadium	25.0	23.2	mg/kg	93	SW846 6020	11/05-11/08/10	L9MM91CP
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	25.0	24.7	mg/kg	99	SW846 6020	11/05-11/08/10	L9MM91CQ

Dilution Factor: 0.5 Analysis Time..: 15:41 Analyst ID.....: 400149
Instrument ID..: ICPMS2

LCS Lot-Sample#: C0K080000-033 **Prep Batch #...:** 0312033

Mercury	0.208	0.203	mg/kg	97	SW846 7471A	11/08/10	L9NRF1AC

Dilution Factor: 0.5 Analysis Time..: 08:56 Analyst ID.....: 031043
Instrument ID..: HGHYDRA

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID
Date Sampled...: 10/13/10 **Date Received..:** 10/14/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C0J140521-001 **Prep Batch #...:** 0312033							
						% Moisture.....: 60	
Mercury	98	(75 - 125)			SW846 7471A	11/08/10	L8GPF1CK
	97	(75 - 125)	0.61	(0-20)	SW846 7471A	11/08/10	L8GPF1CL

Dilution Factor: 0.5
Analysis Time..: 09:02 Instrument ID..: HGHYDRA Analyst ID.....: 031043
MS Run #.....: 0312032

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID
Date Sampled...: 10/13/10 **Date Received..:** 10/14/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C0J140521-001 **Prep Batch #...:** 0312033									
								% Moisture.....: 60	
Mercury									
	0.13	0.209	0.339	mg/kg	98		SW846 7471A	11/08/10	L8GPF1CK
	0.13	0.209	0.337	mg/kg	97	0.61	SW846 7471A	11/08/10	L8GPF1CL

Dilution Factor: 0.5
Analysis Time..: 09:02 Instrument ID..: HGHYDRA Analyst ID.....: 031043
MS Run #.....: 0312032

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID
Date Sampled...: 10/28/10 **Date Received..:** 10/29/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C0J290519-001 **Prep Batch #...:** 0309374							
						% Moisture.....: 74	
Silver	96	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1CD
	96	(75 - 125)	8.2	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1CE
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Aluminum	NC	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1CF
	NC	(75 - 125)		(0-20)	SW846 6020	11/05-11/08/10	L9A0J1CG
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Arsenic	94	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1CH
	100	(75 - 125)	5.9	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1CJ
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Barium	89	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1CK
	92	(75 - 125)	8.4	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1CL
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Beryllium	91	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1CM
	93	(75 - 125)	8.6	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1CN
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Calcium	94	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1CP
	95	(75 - 125)	6.6	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1CQ
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Cadmium	89	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1CR
	91	(75 - 125)	8.8	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1CT
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID
Date Sampled...: 10/28/10 **Date Received..:** 10/29/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	82	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1CU
	82	(75 - 125)	7.9	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1CV
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Chromium	97	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1CW
	107	(75 - 125)	8.2	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1CX
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Copper	88	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1C0
	91	(75 - 125)	6.9	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1C1
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Iron	NC	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1C2
	NC	(75 - 125)		(0-20)	SW846 6020	11/05-11/08/10	L9A0J1C3
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Potassium	102	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1C4
	102	(75 - 125)	7.1	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1C5
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Magnesium	88	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1C6
	90	(75 - 125)	6.5	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1C7
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Manganese	NC	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1C8
	NC	(75 - 125)		(0-20)	SW846 6020	11/05-11/08/10	L9A0J1C9
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID
Date Sampled...: 10/28/10 **Date Received..:** 10/29/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	86	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1DA
	84	(75 - 125)	6.1	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1DC
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Nickel	82	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1DD
	84	(75 - 125)	7.8	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1DE
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Lead	NC	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1DF
	NC	(75 - 125)		(0-20)	SW846 6020	11/05-11/08/10	L9A0J1DG
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Selenium	97	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1DH
	99	(75 - 125)	6.7	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1DJ
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Thallium	95	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1DK
	95	(75 - 125)	8.7	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1DL
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Antimony	52 N	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1DM
	52 N	(75 - 125)	8.2	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1DN
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Vanadium	93	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1DP
	97	(75 - 125)	8.9	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1DQ
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID
Date Sampled...: 10/28/10 **Date Received..:** 10/29/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	97	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1DR
	109	(75 - 125)	6.9	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1DT

Dilution Factor: 0.47
Analysis Time..: 16:14 Instrument ID..: ICPMS2 Analyst ID.....: 400149
MS Run #.....: 0309204

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID
Date Sampled...: 10/28/10 **Date Received..:** 10/29/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C0J290519-001 **Prep Batch #...:** 0309374									
								% Moisture.....: 74	
Silver									
	0.30	9.02	8.96	mg/kg	96		SW846 6020	11/05-11/08/10	L9A0J1CD
	0.30	9.79	9.72	mg/kg	96	8.2	SW846 6020	11/05-11/08/10	L9A0J1CE
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0309204						
Aluminum									
	13300	361	20400	mg/kg			SW846 6020	11/05-11/08/10	L9A0J1CF
			Qualifiers: NC						
	13300	391	22100	mg/kg			SW846 6020	11/05-11/08/10	L9A0J1CG
			Qualifiers: NC						
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0309204						
Arsenic									
	10.6	7.21	17.4	mg/kg	94		SW846 6020	11/05-11/08/10	L9A0J1CH
	10.6	7.83	18.5	mg/kg	100	5.9	SW846 6020	11/05-11/08/10	L9A0J1CJ
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0309204						
Barium									
	97.9	361	421	mg/kg	89		SW846 6020	11/05-11/08/10	L9A0J1CK
	97.9	391	458	mg/kg	92	8.4	SW846 6020	11/05-11/08/10	L9A0J1CL
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0309204						
Beryllium									
	0.95	9.02	9.19	mg/kg	91		SW846 6020	11/05-11/08/10	L9A0J1CM
	0.95	9.79	10.0	mg/kg	93	8.6	SW846 6020	11/05-11/08/10	L9A0J1CN
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0309204						
Calcium									
	3420	9020	11900	mg/kg	94		SW846 6020	11/05-11/08/10	L9A0J1CP
	3420	9790	12700	mg/kg	95	6.6	SW846 6020	11/05-11/08/10	L9A0J1CQ
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0309204						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID
Date Sampled...: 10/28/10 **Date Received..:** 10/29/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cadmium									
	0.66	9.02	8.72	mg/kg	89		SW846 6020	11/05-11/08/10	L9A0J1CR
	0.66	9.79	9.52	mg/kg	91	8.8	SW846 6020	11/05-11/08/10	L9A0J1CT
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Cobalt									
	11.9	90.2	85.4	mg/kg	82		SW846 6020	11/05-11/08/10	L9A0J1CU
	11.9	97.9	92.4	mg/kg	82	7.9	SW846 6020	11/05-11/08/10	L9A0J1CV
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Chromium									
	42.7	36.1	77.8	mg/kg	97		SW846 6020	11/05-11/08/10	L9A0J1CW
	42.7	39.1	84.5	mg/kg	107	8.2	SW846 6020	11/05-11/08/10	L9A0J1CX
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Copper									
	29.2	45.1	68.8	mg/kg	88		SW846 6020	11/05-11/08/10	L9A0J1C0
	29.2	48.9	73.7	mg/kg	91	6.9	SW846 6020	11/05-11/08/10	L9A0J1C1
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Iron									
	26200	180	28900	mg/kg			SW846 6020	11/05-11/08/10	L9A0J1C2
			Qualifiers: NC						
	26200	196	30600	mg/kg			SW846 6020	11/05-11/08/10	L9A0J1C3
			Qualifiers: NC						
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Potassium									
	2350	9020	11500	mg/kg	102		SW846 6020	11/05-11/08/10	L9A0J1C4
	2350	9790	12400	mg/kg	102	7.1	SW846 6020	11/05-11/08/10	L9A0J1C5
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID
Date Sampled...: 10/28/10 **Date Received..:** 10/29/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium									
	5050	9020	13000	mg/kg	88		SW846 6020	11/05-11/08/10	L9A0J1C6
	5050	9790	13900	mg/kg	90	6.5	SW846 6020	11/05-11/08/10	L9A0J1C7
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Manganese									
	1390	90.2	1530 NC	mg/kg			SW846 6020	11/05-11/08/10	L9A0J1C8
	1390	97.9	1620 NC	mg/kg			SW846 6020	11/05-11/08/10	L9A0J1C9
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Sodium									
	394	9020	8130	mg/kg	86		SW846 6020	11/05-11/08/10	L9A0J1DA
	394	9790	8650	mg/kg	84	6.1	SW846 6020	11/05-11/08/10	L9A0J1DC
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Nickel									
	23.6	90.2	97.8	mg/kg	82		SW846 6020	11/05-11/08/10	L9A0J1DD
	23.6	97.9	106	mg/kg	84	7.8	SW846 6020	11/05-11/08/10	L9A0J1DE
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Lead									
	44.2	3.61	51.3 NC	mg/kg			SW846 6020	11/05-11/08/10	L9A0J1DF
	44.2	3.91	54.5 NC	mg/kg			SW846 6020	11/05-11/08/10	L9A0J1DG
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Selenium									
	1.2	1.80	2.95	mg/kg	97		SW846 6020	11/05-11/08/10	L9A0J1DH
	1.2	1.96	3.16	mg/kg	99	6.7	SW846 6020	11/05-11/08/10	L9A0J1DJ
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID
Date Sampled...: 10/28/10 **Date Received..:** 10/29/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium									
	0.18	9.02	8.71	mg/kg	95		SW846 6020	11/05-11/08/10	L9A0J1DK
	0.18	9.79	9.50	mg/kg	95	8.7	SW846 6020	11/05-11/08/10	L9A0J1DL
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0309204						
Antimony									
	0.42	90.2	47.4 N	mg/kg	52		SW846 6020	11/05-11/08/10	L9A0J1DM
	0.42	97.9	51.5 N	mg/kg	52	8.2	SW846 6020	11/05-11/08/10	L9A0J1DN
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0309204						
Vanadium									
	36.9	90.2	121	mg/kg	93		SW846 6020	11/05-11/08/10	L9A0J1DP
	36.9	97.9	132	mg/kg	97	8.9	SW846 6020	11/05-11/08/10	L9A0J1DQ
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0309204						
Zinc									
	178	90.2	266	mg/kg	97		SW846 6020	11/05-11/08/10	L9A0J1DR
	178	97.9	285	mg/kg	109	6.9	SW846 6020	11/05-11/08/10	L9A0J1DT
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0309204						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

GENERAL CHEMISTRY SUMMARY

Leo Brausch Koppers Pond

Cyanide, Total

Lab Name: TESTAMERICA PITTSBURGH
Client Name: Leo Brausch Consulting
Matrix: SOLID

Method: SW846 9012A
Lot Number: C0J210496

Distillation procedure

Client Sample ID	Sample Number	Workorder	Result	Units	Method Detection Limit	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
EB10-20	C0J210496 001	L8VKP1A5	ND	mg/kg	0.097	0.50	1	10/27/2010 - 10/27/2010 15:17	0300152
SD10-19	C0J210496 002	L8VKW1A6	ND	mg/kg	0.13	0.67	1	10/27/2010 - 10/27/2010 15:17	0300152
SD10-18	C0J210496 003	L8VK81A5	ND	mg/kg	0.18	0.92	1	10/27/2010 - 10/27/2010 15:17	0300152
SD10-31	C0J210496 004	L8VLA1A7	ND	mg/kg	0.20	1.0	1	10/27/2010 - 10/27/2010 15:17	0300152
SD10-32	C0J210496 005	L8VLH1A7	ND	mg/kg	0.26	1.3	1	10/27/2010 - 10/27/2010 15:17	0300152
SD10-33	C0J210496 006	L8VLJ1A7	ND	mg/kg	0.23	1.2	1	10/27/2010 - 10/27/2010 15:17	0300152

Leo Brausch Koppers Pond

Percent Solids

Lab Name: TESTAMERICA PITTSBURGH
Client Name: Leo Brausch Consulting
Matrix: SOLID

Method: SM20 2540G
Lot Number: C0J210496

NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION

Client Sample ID	Sample Number	Workorder	Result	Units	Method Detection Limit	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
SD10-19	C0J210496 002	L8VKW1AA	74.6	%	0.0	1.0	1	10/22/2010 - 10/23/2010 09:01	0295252
SD10-18	C0J210496 003	L8VK81AG	54.3	%	0.0	1.0	1	10/22/2010 - 10/23/2010 09:01	0295252
SD10-31	C0J210496 004	L8VLA1AA	47.6	%	0.0	1.0	1	10/22/2010 - 10/23/2010 09:01	0295252
SD10-32	C0J210496 005	L8VLH1AJ	37.1	%	0.0	1.0	1	10/22/2010 - 10/23/2010 09:01	0295252
SD10-33	C0J210496 006	L8VLJ1AR	41.3	%	0.0	1.0	1	10/22/2010 - 10/23/2010 09:01	0295252

Leo Brausch Koppers Pond

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Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	EPA	Lloyd Kahn
Client Name:	Leo Brausch Consulting	**Lot Number:**	C0J210496	
Matrix:	SOLID			

Total Organic Carbon by Lloyd Kahn

Client Sample ID	Sample Number	Workorder	Result	Units	Method Detection Limit	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
SD10-31	C0J210496 004	L8VLA1A6	66100	mg/kg	1000	1840	1.75	10/29/2010 - 10/31/2010 18:47	0302220
SD10-32	C0J210496 005	L8VLH1AH	78700	mg/kg	1420	2620	1.94	10/29/2010 - 10/31/2010 19:30	0302220
SD10-33	C0J210496 006	L8VLJ1AQ	73800	mg/kg	1120	2050	1.69	10/29/2010 - 10/31/2010 19:59	0302220

Leo Brausch Koppers Pond

Cyanide, Total

Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	SW846 9012A
Client Name:	Leo Brausch Consulting	**Report ID:**	C0J210496
Matrix:	SOLID	**Date/Time Received:**	10/21/2010 10:00:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep Date-Analysis Date/Time	QC Batch	RPD / Limit (%)
BLK - C0J270000152B	152 MB	L85T31AA	ND	mg/kg	0.50	10/27/2010 - 10/27/2010 15:17	0300152	

Leo Brausch Koppers Pond

Percent Solids

Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	SM20 2540G
Client Name:	Leo Brausch Consulting	**Report ID:**	C0J210496
Matrix:	SOLID	**Date/Time Received:**	10/21/2010 10:00:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep Date-Analysis Date/Time	QC Batch	RPD / Limit (%)
SD10-19 DUP	002 DUP	L8VKW1A5	71.8	%	1.0	10/22/2010 - 10/23/2010 09:01	0295252	3.9 / 20

Leo Brausch Koppers Pond

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Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	EPA Lloyd Kahn
Client Name:	Leo Brausch Consulting	**Report ID:**	C0J210496
Matrix:	SOLID	**Date/Time Received:**	10/23/2010 9:30:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep Date-Analysis Date/Time	QC Batch	RPD / Limit (%)
BLK - C0J290000220B	220 MB	L9AHT1AA	ND	mg/kg	500	10/29/2010 - 10/31/2010 17:05	0302220	

Leo Brausch Koppers Pond

Cyanide, Total

Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	SW846 9012A
Client Name:	Leo Brausch Consulting	**Lot Number:**	C0J270000
Matrix:	SOLID	**Date/Time Received:**	10/21/2010 10:00:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep Date - Analysis Date/Time	QC Batch	RPD / Limit (%)
CHECK SAMPLE	LCS	L85T31AC	103	38 - 162	10/27/201 - 10/27/2010 15:39	0300152	
SD10-18	MS	L8VK81A6	73 N	75 - 125	10/27/201 - 10/27/2010 15:17	0300152	0.28 / 20
LAB MS/MSD	MS	L84R81A7	75	75 - 125	10/27/201 - 10/27/2010 15:24	0300152	
SD10-18	MSD	L8VK81A7	73 N	75 - 125	10/27/201 - 10/27/2010 15:17	0300152	0.28 / 20

Leo Brausch Koppers Pond

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Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	EPA	Lloyd Kahn
Client Name:	Leo Brausch Consulting	**Lot Number:**	C0J290000	
Matrix:	SOLID	**Date/Time Received:**	10/23/2010	9:30:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep Date - Analysis Date/Time	QC Batch	RPD / Limit (%)
CHECK SAMPLE	LCS	L9AHT1AC	90	75 - 125	10/29/201 - 10/31/2010 17:20	0302220	1.2 / 20
DUPLICATE CHECK	LCSD	L9AHT1AD	89	75 - 125	10/29/201 - 10/31/2010 17:34	0302220	1.2 / 20

GC/MS SEMIVOLATILE DATA

GC/MS SEMIVOLATILE
QC SUMMARY

SW846 8270C SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Lot #: C0J210496

Extraction: XXA4F4201

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	TOT OUT
01	INTRA-LAB QC	75	67	75	75	72	79	00
02	EB10-20	63	62	61	74	64	57	00
03	SD10-31	50	51	50	57	53	55	00
04	SD10-32	48	45	46	51	46	47	00
05	SD10-33	54	54	58	60	60	66	00
06	METHOD BLK. L83VH1AA	74	72	72	86	75	80	00
07	LCS L83VH1AC	75	70	76	85	74	87	00
08	LAB MS/MSD D	63	56	60	61	62	67	00
09	LAB MS/MSD S	61	63	65	63	62	73	00

SURROGATES		QC LIMITS
SRG01	= Nitrobenzene-d5	(27-110)
SRG02	= Terphenyl-d14	(21-130)
SRG03	= 2-Fluorobiphenyl	(28-108)
SRG04	= 2-Fluorophenol	(28-107)
SRG05	= Phenol-d5	(30-112)
SRG06	= 2,4,6-Tribromophenol	(21-116)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

SW846 8270C CHECK SAMPLE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Lot #: C0J260000 WO #: L83VH1AC
BATCH: 0299052

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Hexachloroethane	333	257	77	40- 102	
Naphthalene	333	239	72	42- 104	
4-Bromophenyl phenyl ethe	333	261	78	43- 111	
Butyl benzyl phthalate	333	214	64	40- 117	
Phenol	333	210	63	39- 105	
2-Chlorophenol	333	238	71	40- 105	
1,4-Dichlorobenzene	333	251	75	41- 101	
N-Nitrosodi-n-propylamine	333	233	70	42- 108	
1,2,4-Trichlorobenzene	333	251	75	41- 105	
4-Chloro-3-methylphenol	333	232	70	43- 110	
Acenaphthene	333	238	71	42- 104	
4-Nitrophenol	333	236	71	27- 131	
2,4-Dinitrotoluene	333	243	73	48- 118	
Pentachlorophenol	333	235	70	18- 125	
Pyrene	333	213	64	39- 113	
4-Methylphenol	667	480	72	43- 107	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 16 outside limits

COMMENTS:

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Matrix Spike ID: LAB MS/MSD Level:(low/med) LOW

Lot #: C0J200539 WO #: L8R4D1DU
BATCH: 0299052

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Phenol	915	ND	553	60	39- 105	
2-Chlorophenol	915	ND	555	61	40- 105	
1,4-Dichlorobenzene	915	ND	527	58	41- 101	
N-Nitrosodi-n-propylamine	915	ND	554	60	42- 108	
1,2,4-Trichlorobenzene	915	ND	600	66	41- 105	
4-Chloro-3-methylphenol	915	ND	637	70	43- 110	
Acenaphthene	915	300	863	61	42- 104	
4-Nitrophenol	915	ND	583	64	27- 131	
2,4-Dinitrotoluene	915	ND	646	71	48- 118	
Pentachlorophenol	915	ND	476	52	18- 125	
Pyrene	915	1600	1890	29*	39- 113	a
4-Methylphenol	1830	180	1330	63	43- 107	
Hexachloroethane	915	ND	380	41	40- 102	
Naphthalene	915	1300	1380	11*	42- 104	a
4-Bromophenyl phenyl ethe	915	ND	625	68	43- 111	
Butyl benzyl phthalate	915	79	679	66	40- 117	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 2 out of 16 outside limits

COMMENTS:

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Matrix Spike ID: LAB MS/MSD Level: (low/med) LOW

Lot #: C0J200539 WO #: L8R4D1DV
BATCH: 0299052

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD		QC LIMITS RPD	QC LIMITS REC	QUAL
Phenol	915	602	66	8.5		40	39 - 105	
2-Chlorophenol	915	569	62	2.4		37	40 - 105	
1,4-Dichlorobenzene	915	534	58	1.3		32	41 - 101	
N-Nitrosodi-n-propylamine	915	549	60	0.78		32	42 - 108	
1,2,4-Trichlorobenzene	915	602	66	0.33		36	41 - 105	
4-Chloro-3-methylphenol	915	688	75	7.7		31	43 - 110	
Acenaphthene	915	880	63	2.0		34	42 - 104	
4-Nitrophenol	915	658	72	12		33	27 - 131	
2,4-Dinitrotoluene	915	652	71	0.92		33	48 - 118	
Pentachlorophenol	915	466	51	2.2		34	18 - 125	
Pyrene	915	1750	13*	7.8		28	39 - 113	a
4-Methylphenol	1830	1390	66	4.7		36	43 - 107	
Hexachloroethane	915	361	39*	5.1		34	40 - 102	a
Naphthalene	915	1360	9*	1.6		25	42 - 104	a
4-Bromophenyl phenyl ethe	915	654	71	4.6		20	43 - 111	
Butyl benzyl phthalate	915	682	66	0.48		34	40 - 117	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 16 outside limits
Spike Recovery: 3 out of 16 outside limits

COMMENTS:

SW846 8270C METHOD BLANK SUMMARY

BLANK WORKORDER NO.: L83VH1AA

Lab Name: TestAmerica Laboratories, Inc.

Lab Code: TALPIT

SDG Number:

Lab File ID: F1027015.

Lot Number: C0J210496

Date Analyzed: 10/27/10

Time Analyzed: 05:07

Matrix: SOLID

Date Extracted:10/26/10

GC Column: HP5MS ID: .25

Extraction Method:

Instrument ID: 722

Level:(low/med) LOW

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS, LCSD, MS , MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	INTRA-LAB QC	L8R4D1DT	F1027018.	10/27/10	06:11
02	LAB MS/MSD	L8R4D1DU S	F1027019.	10/27/10	06:32
03	LAB MS/MSD	L8R4D1DV D	F1027020.	10/27/10	06:53
04	EB10-20	L8VKP1AA	F1027022.	10/27/10	07:34
05	SD10-31	L8VLA1AC	F1027023.	10/27/10	07:55
06	SD10-32	L8VLH1AK	F1027024.	10/27/10	08:15
07	SD10-33	L8VLJ1AT	F1027025.	10/27/10	08:35
08	CHECK SAMPLE	L83VH1AC C	F1027016.	10/27/10	05:29
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COMMENTS:

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: SDG No.:

Lab File ID: F0902DF1 DFTPP Injection Date: 09/02/10

Instrument ID: 722 DFTPP Injection Time: 0124

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	40.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	56.2
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	58.0
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	24.9
365	Greater than 1.0% of mass 198	2.83
441	Present, but less than mass 443	8.4
442	40.0 - 100.0% of mass 198	42.1
443	17.0 - 23.0% of mass 442	8.9 (21.1)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD4	SSTD4	F09020C1	09/02/10	0140
02	SSTD.4	SSTD.4	F09020C2	09/02/10	0202
03	SSTD2	SSTD2	F09020C3	09/02/10	0221
04	SSTD10	SSTD10	F09020C4	09/02/10	0241
05	SSTD20	SSTD20	F09020C5	09/02/10	0301
06	SSTD40	SSTD40	F09020C6	09/02/10	0321
07	SSTD60	SSTD60	F09020C7	09/02/10	0341
08	SSTD80	SSTD80	F09020C8	09/02/10	0400
09					
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FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: SDG No.:

Lab File ID: F1027DF1 DFTPP Injection Date: 10/26/10

Instrument ID: 722 DFTPP Injection Time: 2218

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	42.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	56.4
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	57.5
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	25.3
365	Greater than 1.0% of mass 198	3.31
441	Present, but less than mass 443	8.3
442	40.0 - 100.0% of mass 198	47.0
443	17.0 - 23.0% of mass 442	9.6 (20.4)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD4	SSTD4	F10270C2	10/26/10	2257
02	INTRA-LAB BL	L83VH1AA	F1027015	10/27/10	0507
03	INTRA-LAB CH	L83VH1AC	F1027016	10/27/10	0529
04	EB10-20	L8VKP1AA	F1027022	10/27/10	0734
05	SD10-31	L8VLA1AC	F1027023	10/27/10	0755
06	SD10-32	L8VLH1AK	F1027024	10/27/10	0815
07	SD10-33	L8VLJ1AT	F1027025	10/27/10	0835
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FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: SDG No.: C0J210496

Lab File ID (Standard): F10270C2 Date Analyzed: 10/26/10

Instrument ID: 722 Time Analyzed: 2257

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	118698		4.16		426707		5.14		217037		6.49	
	UPPER LIMIT	237396		4.66		853414		5.64		434074		6.99	
	LOWER LIMIT	59349		3.66		213354		4.64		108519		5.99	
	CLIENT SAMPLE NO.												
01	INTRA-LAB BL	123008		4.15		424768		5.14		213999		6.49	
02	INTRA-LAB CH	125074		4.15		445544		5.14		226523		6.49	
03	EB10-20	105463		4.15		354749		5.14		184155		6.49	
04	SD10-31	91330		4.15		328214		5.14		184891		6.49	
05	SD10-32	128269		4.15		428881		5.14		222409		6.48	
06	SD10-33	92477		4.15		323068		5.14		180062		6.48	
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: SDG No.: C0J210496

Lab File ID (Standard): F10270C2 Date Analyzed: 10/26/10

Instrument ID: 722 Time Analyzed: 2257

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	291678		7.64		251325		9.93		239546		11.47	
	UPPER LIMIT	583356		8.14		502650		10.43		479092		11.97	
	LOWER LIMIT	145839		7.14		125663		9.43		119773		10.97	
	CLIENT SAMPLE NO.												
01	INTRA-LAB BL	314023		7.64		307478		9.92		287279		11.45	
02	INTRA-LAB CH	319541		7.64		327586		9.92		305512		11.46	
03	EB10-20	292368		7.63		309968		9.91		374791		11.45	
04	SD10-31	292061		7.63		336433		9.91		372990		11.46	
05	SD10-32	341335		7.63		383601		9.91		421409		11.45	
06	SD10-33	285327		7.63		352600		9.91		413148		11.46	
07													
08													
09													
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16													
17													
18													
19													
20													
21													
22													

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

GC/MS SEMIVOLATILE
SAMPLE DATA

Leo Brausch Consulting

Client Sample ID: EB10-20

GC/MS Semivolatiles

Lot-Sample #...:	C0J210496-001	**Work Order #...:**	L8VKP1AA	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10 15:00	**Date Received..:**	10/21/10 10:00	**MS Run #.....:**	0299018
Prep Date.....:	10/26/10	**Analysis Date..:**	10/27/10		
Prep Batch #...:	0299052	**Analysis Time..:**	07:34		
Dilution Factor:	0.49	**Initial Wgt/Vol:**	30.3 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:		**Analyst ID.....:**	007062	**Instrument ID..:**	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	3.3	ug/kg	0.31
Acenaphthylene	ND	3.3	ug/kg	0.37
Acetophenone	**1.9 J**	**16**	**ug/kg**	**1.3**
Anthracene	ND	3.3	ug/kg	0.32
Atrazine	ND	16	ug/kg	1.6
Benzo(a)anthracene	ND	3.3	ug/kg	0.41
Benzo(a)pyrene	ND	3.3	ug/kg	0.33
Benzo(b)fluoranthene	ND	3.3	ug/kg	0.51
Benzo(ghi)perylene	ND	3.3	ug/kg	0.33
Benzo(k)fluoranthene	ND	3.3	ug/kg	0.66
Benzaldehyde	**8.1 J**	**16**	**ug/kg**	**2.4**
1,1'-Biphenyl	ND	16	ug/kg	1.5
bis(2-Chloroethoxy) methane	ND	16	ug/kg	1.1
bis(2-Chloroethyl)-ether	ND	3.3	ug/kg	0.44
bis(2-Ethylhexyl) phthalate	**8.0 J**	**16**	**ug/kg**	**2.6**
4-Bromophenyl phenyl ether	ND	16	ug/kg	1.4
Butyl benzyl phthalate	**9.6 J**	**16**	**ug/kg**	**2.2**
Caprolactam	**13 J**	**83**	**ug/kg**	**13**
Carbazole	ND	3.3	ug/kg	0.30
4-Chloroaniline	ND	16	ug/kg	1.3
4-Chloro-3-methylphenol	ND	16	ug/kg	1.5
2-Chloronaphthalene	ND	3.3	ug/kg	0.34
2-Chlorophenol	ND	16	ug/kg	1.3
4-Chlorophenyl phenyl ether	ND	16	ug/kg	1.8
Chrysene	ND	3.3	ug/kg	0.39
Dibenz(a,h)anthracene	ND	3.3	ug/kg	0.36
Dibenzofuran	ND	16	ug/kg	1.6
3,3'-Dichlorobenzidine	ND	16	ug/kg	1.7
2,4-Dichlorophenol	ND	3.3	ug/kg	0.33
Diethyl phthalate	**2.4 J**	**16**	**ug/kg**	**1.8**
2,4-Dimethylphenol	ND	16	ug/kg	2.6
Dimethyl phthalate	ND	16	ug/kg	1.8

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: EB10-20

GC/MS Semivolatiles

Lot-Sample #...: C0J210496-001 Work Order #...: L8VKP1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	**3.6 J**	**16**	**ug/kg**	**2.0**
4,6-Dinitro-2-methylphenol	ND	83	ug/kg	6.6
2,4-Dinitrophenol	ND	83	ug/kg	19
2,4-Dinitrotoluene	ND	16	ug/kg	1.3
2,6-Dinitrotoluene	ND	16	ug/kg	1.7
Di-n-octyl phthalate	ND	16	ug/kg	1.7
Fluoranthene	ND	3.3	ug/kg	0.35
Fluorene	ND	3.3	ug/kg	0.43
Hexachlorobenzene	ND	3.3	ug/kg	0.35
Hexachlorobutadiene	ND	3.3	ug/kg	0.37
Hexachlorocyclopentadiene	ND	16	ug/kg	1.8
Hexachloroethane	ND	16	ug/kg	1.2
Indeno(1,2,3-cd)pyrene	ND	3.3	ug/kg	0.34
Isophorone	ND	16	ug/kg	1.2
2-Methylnaphthalene	ND	3.3	ug/kg	0.29
2-Methylphenol	ND	16	ug/kg	1.1
4-Methylphenol	ND	16	ug/kg	1.6
Naphthalene	ND	3.3	ug/kg	0.28
2-Nitroaniline	ND	83	ug/kg	7.3
3-Nitroaniline	ND	83	ug/kg	6.7
4-Nitroaniline	ND	83	ug/kg	6.6
Nitrobenzene	ND	3.3	ug/kg	1.4
2-Nitrophenol	ND	16	ug/kg	1.8
4-Nitrophenol	ND	83	ug/kg	5.6
N-Nitrosodi-n-propylamine	ND	3.3	ug/kg	0.38
N-Nitrosodiphenylamine	ND	3.3	ug/kg	1.5
2,2'-oxybis(1-Chloropropane)	ND	3.3	ug/kg	0.35
Pentachlorophenol	ND	16	ug/kg	1.5
Phenanthrene	**0.87 J**	**3.3**	**ug/kg**	**0.52**
Phenol	ND	3.3	ug/kg	0.39
Pyrene	ND	3.3	ug/kg	0.33
2,4,5-Trichlorophenol	ND	16	ug/kg	1.7
2,4,6-Trichlorophenol	ND	16	ug/kg	2.4

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: EB10-20

GC/MS Semivolatiles

Lot-Sample #...: C0J210496-001 Work Order #...: L8VKP1AA Matrix.....: SOLID

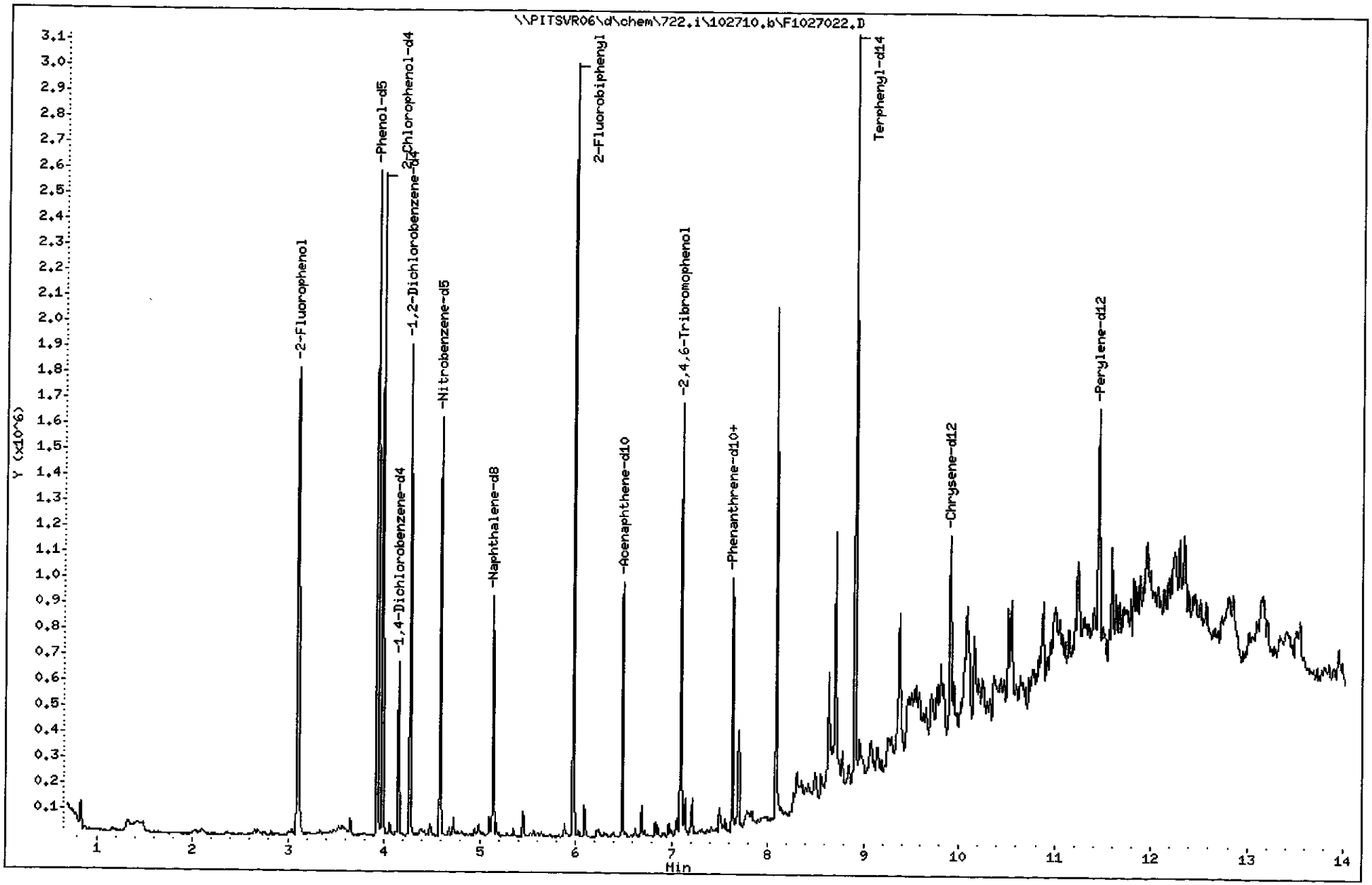
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	63	(27 - 110)
Terphenyl-d14	62	(21 - 130)
2-Fluorobiphenyl	61	(28 - 108)
2-Fluorophenol	74	(28 - 107)
Phenol-d5	64	(30 - 112)
2,4,6-Tribromophenol	57	(21 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027022.D
Date : 27-OCT-2010 07:34
Client ID: EB10-20
Sample Info: C0J210496-001 10/26/10 Soil (0299052)
Volume Injected (uL): 2.0
Column phase: Hp5-MS

Instrument: 722.i
Operator: 007062
Column diameter: 0.25



Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\d\chem\722.i\102710.b\F1027022.D
Lab Smp Id: l8vkp1aa Client Smp ID: EB10-20
Inj Date : 27-OCT-2010 07:34
Operator : 007062 Inst ID: 722.i
Smp Info : C0J210496-001 10/26/10 Soil (0299052)
Misc Info : l8vkp1aa,102710.b,ll.m,428270.sub
Comment :
Method : \\PITSVR06\d\chem\722.i\102710.b\LL.m
Meth Date : 28-Oct-2010 02:25 bungardf Quant Type: ISTD
Cal Date : 02-SEP-2010 04:00 Cal File: F09020C8.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 428270.sub
Target Version: 4.14
Processing Host: PITPC-503

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.300	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)	
* 1	1,4-Dichlorobenzene-d4	152	4.150	4.155	(1.000)	105463	8.00000		(a)
* 2	Naphthalene-d8	136	5.139	5.138	(1.000)	354749	8.00000		(a)
* 3	Acenaphthene-d10	164	6.490	6.490	(1.000)	184155	8.00000		(a)
* 4	Phenanthrene-d10	188	7.633	7.644	(1.000)	292368	8.00000		(a)
* 5	Chrysene-d12	240	9.914	9.925	(1.000)	309968	8.00000		(a)
* 6	Perylene-d12	264	11.453	11.469	(1.000)	374791	8.00000		(a)
198	1,4-Dioxane	88	Compound Not Detected.						
220	Benzaldehyde	77	3.798	3.798	(0.915)	1540	0.98436	8.1217	(a)
10	N-Nitrosodimethylamine	74	Compound Not Detected.						
9	Pyridine	79	Compound Not Detected.						
16	Methyl methanesulfonate	80	Compound Not Detected.						
21	Aniline	93	Compound Not Detected.						
22	Phenol	94	Compound Not Detected.						
23	bis(2-Chloroethyl)ether	93	Compound Not Detected.						
24	2-Chlorophenol	128	Compound Not Detected.						
26	1,3-Dichlorobenzene	146	Compound Not Detected.						
27	1,4-Dichlorobenzene	146	Compound Not Detected.						
28	1,2-Dichlorobenzene	146	Compound Not Detected.						
227	Indene	116	Compound Not Detected.						
29	Benzyl Alcohol	108	Compound Not Detected.						

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
30 2-Methylphenol	108	Compound Not Detected.					
31 2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
37 Acetophenone	105	4.476	4.476	(1.079)	5692	0.22909	1.8901(a)
32 N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192 4-Methylphenol	108	Compound Not Detected.					
34 Hexachloroethane	117	Compound Not Detected.					
35 Nitrobenzene	77	Compound Not Detected.					
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
41 Isophorone	82	Compound Not Detected.					
42 2-Nitrophenol	139	Compound Not Detected.					
43 2,4-Dimethylphenol	107	Compound Not Detected.					
44 bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48 2,4-Dichlorophenol	162	Compound Not Detected.					
49 Benzoic Acid	122	4.978	4.989	(0.969)	2640	0.37306	3.0780(aQ)
50 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51 Naphthalene	128	Compound Not Detected.					
52 4-Chloroaniline	127	Compound Not Detected.					
54 2,6-Dichlorophenol	162	Compound Not Detected.					
56 Hexachlorobutadiene	224	Compound Not Detected.					
221 Caprolactam	113	5.448	5.454	(1.060)	7299	1.63256	13.470(aQ)
59 4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62 2-Methylnaphthalene	142	Compound Not Detected.					
205 1-Methylnaphthalene	142	Compound Not Detected.					
64 Hexachlorocyclopentadiene	236	Compound Not Detected.					
65 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	Compound Not Detected.					
67 2,4,5-Trichlorophenol	196	Compound Not Detected.					
222 1,1'-Biphenyl	154	Compound Not Detected.					
70 2-Chloronaphthalene	162	Compound Not Detected.					
73 2-Nitroaniline	65	Compound Not Detected.					
76 Dimethylphthalate	163	Compound Not Detected.					
78 2,6-Dinitrotoluene	165	Compound Not Detected.					
79 Acenaphthylene	152	Compound Not Detected.					
81 3-Nitroaniline	138	Compound Not Detected.					
82 Acenaphthene	153	Compound Not Detected.					
83 2,4-Dinitrophenol	184	Compound Not Detected.					
85 4-Nitrophenol	109	Compound Not Detected.					
86 Dibenzofuran	168	Compound Not Detected.					
87 2,4-Dinitrotoluene	165	Compound Not Detected.					
91 2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
88 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	6.832	6.837	(1.053)	8625	0.29633	2.4449(a)
94 Fluorene	166	Compound Not Detected.					
95 4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96 4-Nitroaniline	138	Compound Not Detected.					
98 4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99 N-Nitrosodiphenylamine	169	Compound Not Detected.					
100 1,2-Diphenylhydrazine	77	Compound Not Detected.					
106 4-Bromophenyl-phenylether	248	Compound Not Detected.					
107 Hexachlorobenzene	283	Compound Not Detected.					
223 Atrazine	200	Compound Not Detected.					
111 Pentachlorophenol	265	Compound Not Detected.					
115 Phenanthrene	178	7.649	7.660	(1.002)	4376	0.10535	0.86924(aQ)
116 Anthracene	178	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	8.098	8.109	(1.061)	21059	0.43843	3.6174(a)
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
131 Butylbenzylphthalate	149	9.354	9.369	(0.943)	28172	1.16591	9.6197(a)
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	9.952	9.968	(1.004)	33676	0.97415	8.0376(a)
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.588	4.588	(0.893)	458117	25.1345	207.38(a)
$ 155 2-Fluorobiphenyl	172	5.977	5.977	(0.921)	749238	24.5782	202.79(a)
$ 156 Terphenyl-d14	244	8.905	8.921	(0.898)	799692	24.9471	205.83(a)
$ 157 Phenol-d5	99	3.926	3.926	(0.946)	815099	38.3311	316.26(a)
$ 158 2-Fluorophenol	112	3.103	3.114	(0.748)	682887	44.2617	365.20
$ 159 2,4,6-Tribromophenol	330	7.104	7.104	(0.931)	109209	33.9951	280.49(a)
$ 186 2-Chlorophenol-d4	132	3.985	3.985	(0.960)	727017	38.6001	318.48(a)
$ 187 1,2-Dichlorobenzene-d4	152	4.273	4.273	(1.030)	293886	22.6821	187.14(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027022.D

Date : 27-OCT-2010 07:34

Client ID: EB10-20

Instrument: 722.i

Sample Info: C0J210496-001 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

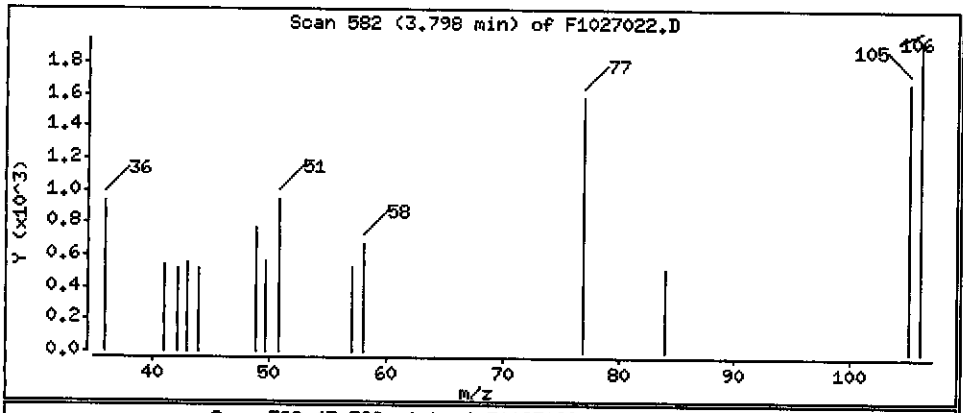
Operator: 007062

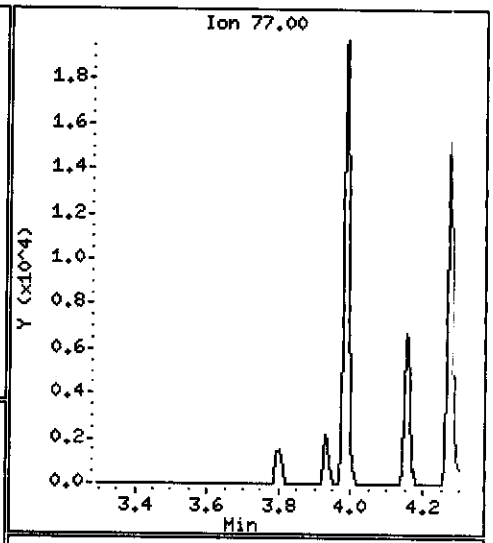
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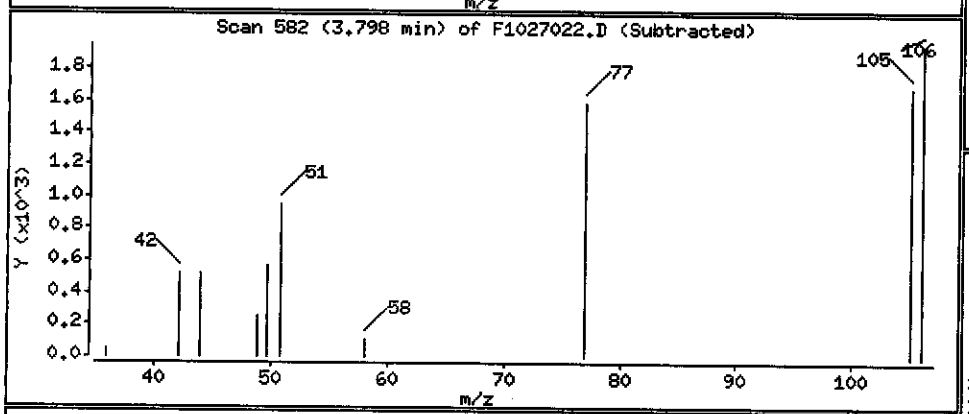
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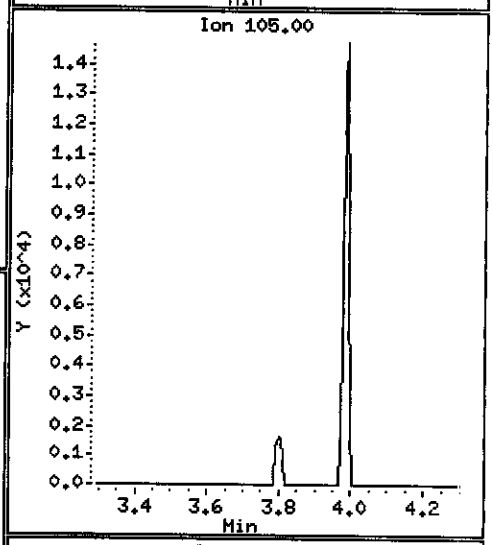
220 Benzaldehyde

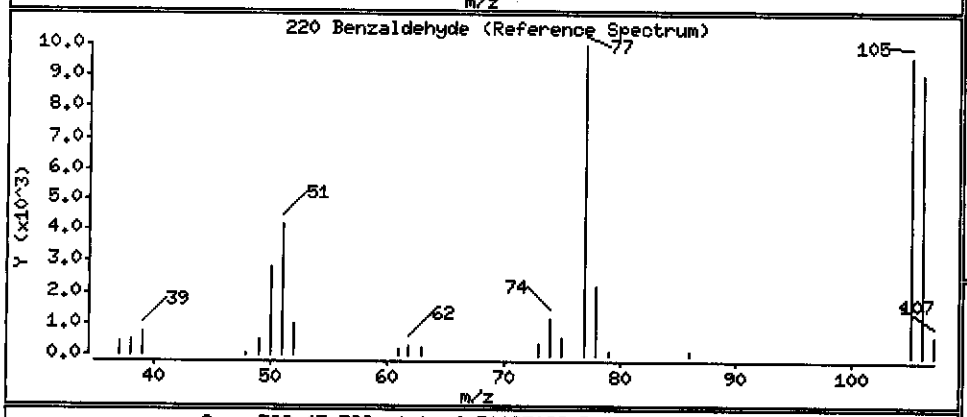
Concentration: 8.1217 ug/kg

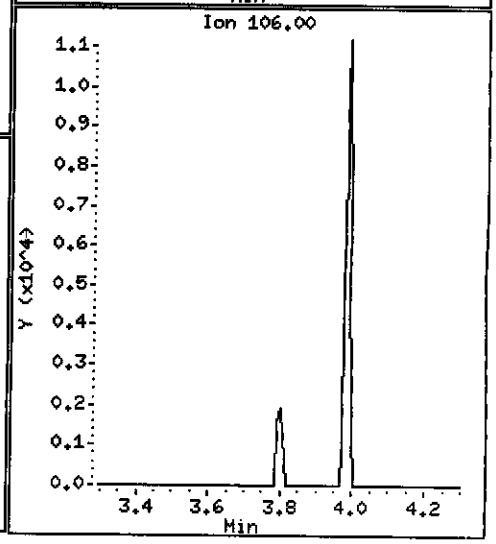


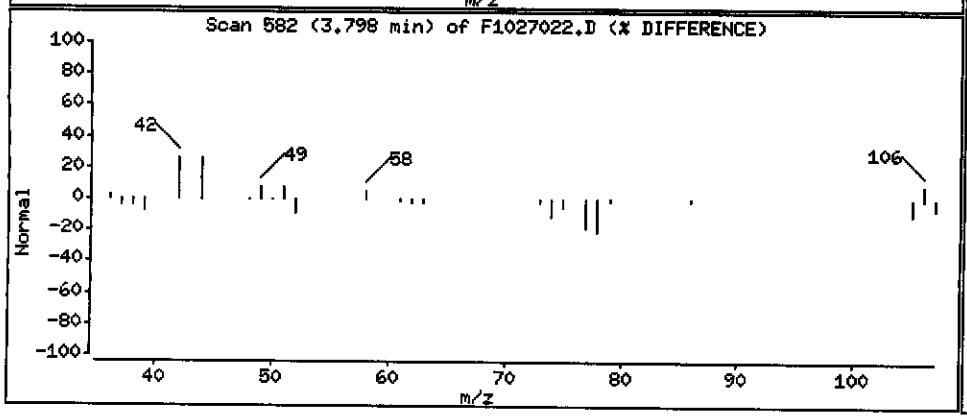












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027022.D

Date : 27-OCT-2010 07:34

Client ID: EB10-20

Instrument: 722.i

Sample Info: C0J210496-001 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

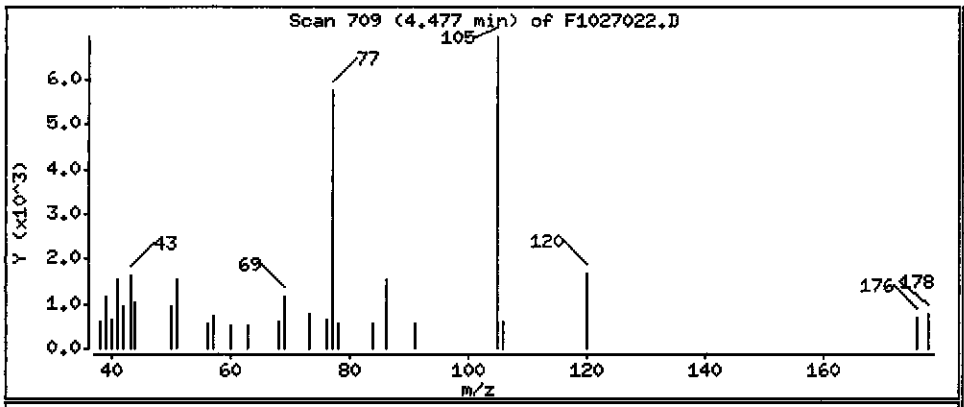
Operator: 007062

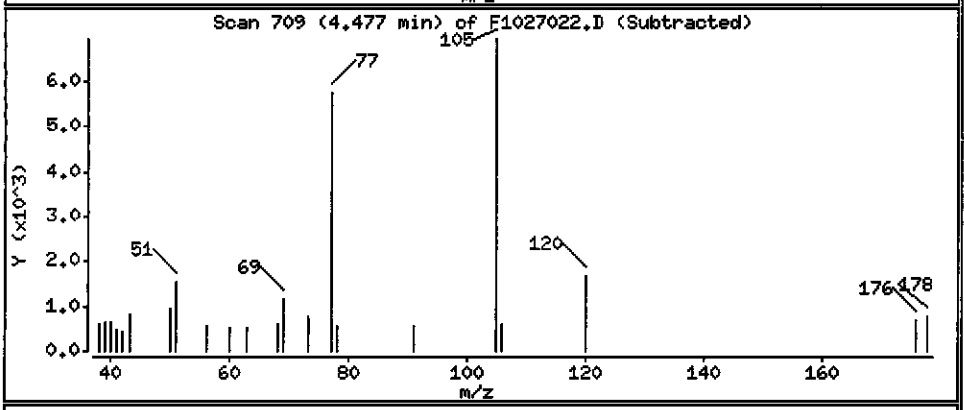
Column phase: Hp5-MS

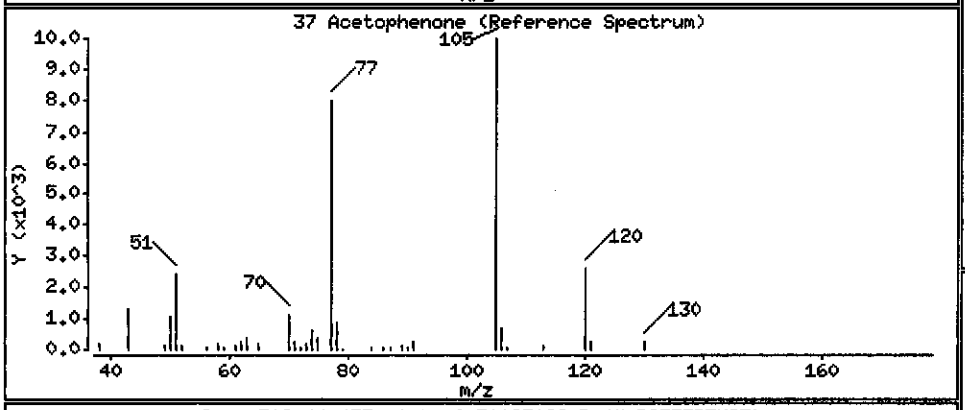
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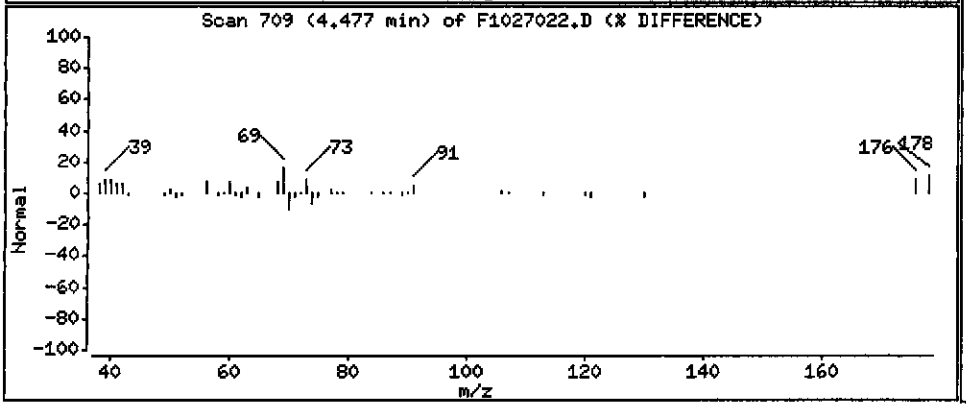
37 Acetophenone

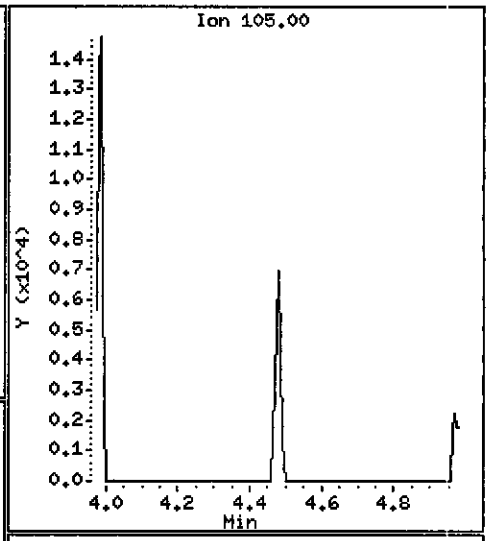
Concentration: 1.8901 ug/kg

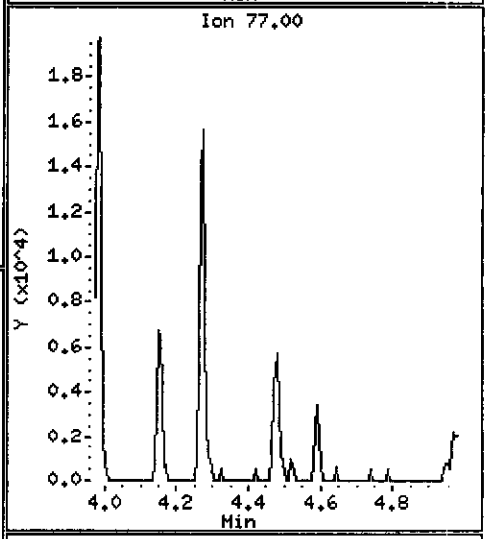


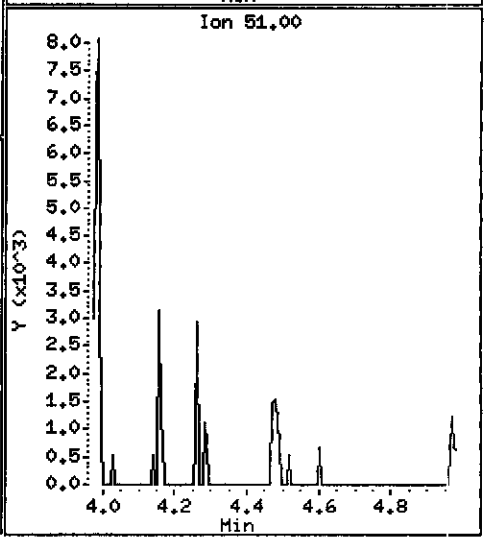












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027022.D

Date : 27-OCT-2010 07:34

Client ID: EB10-20

Instrument: 722.i

Sample Info: C0J210496-001 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

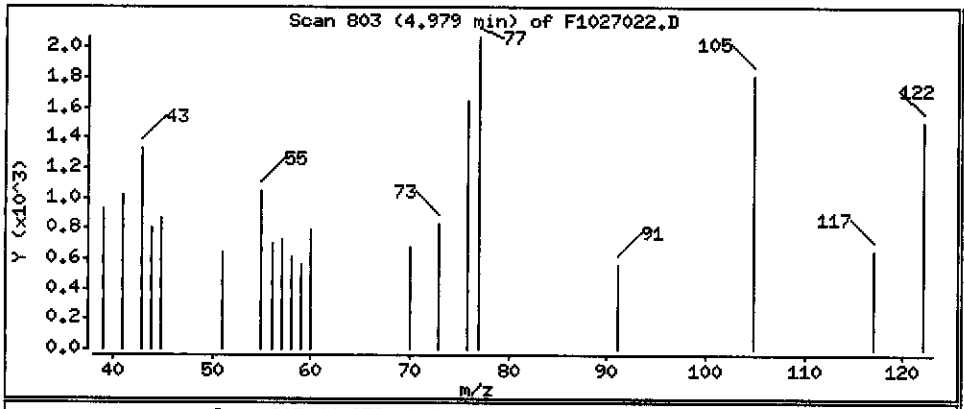
Operator: 007062

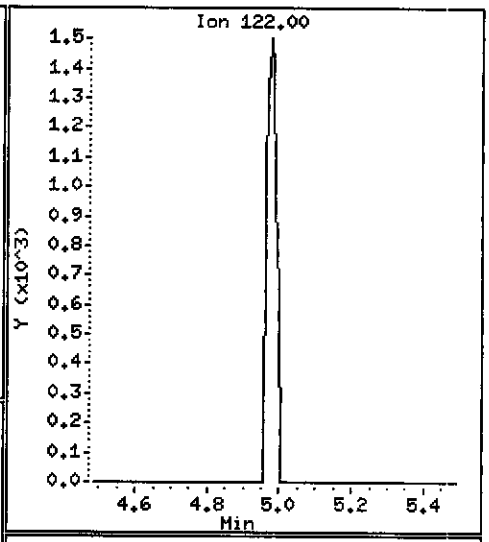
Column phase: Hp5-MS

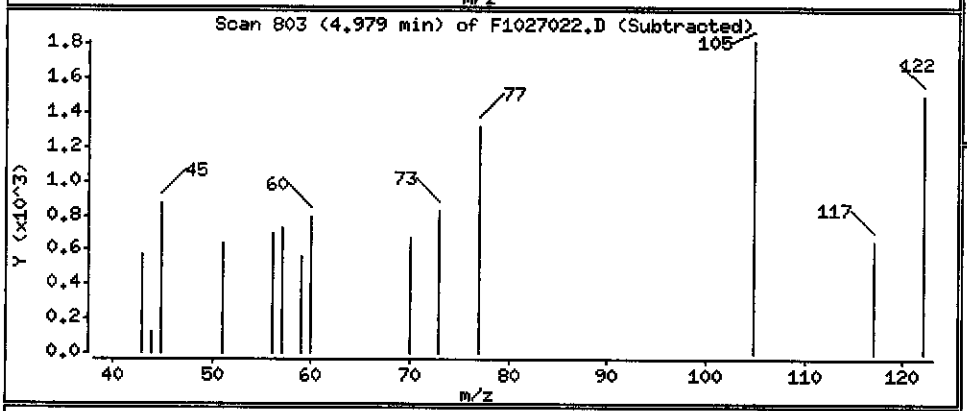
Column diameter: 0.25

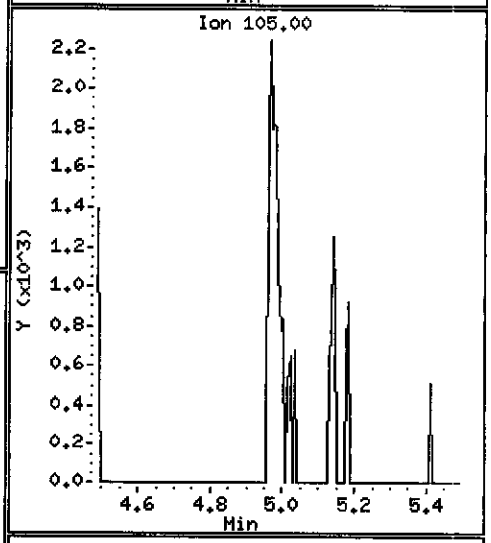
49 Benzoic Acid

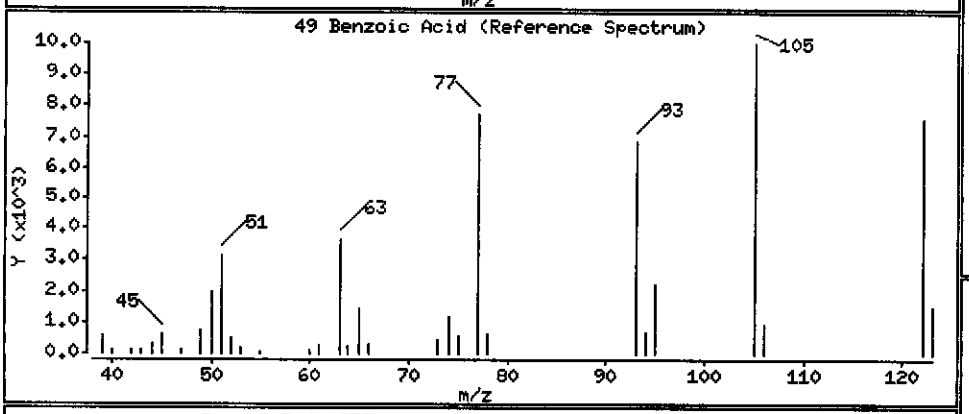
Concentration: 3.0780 ug/kg

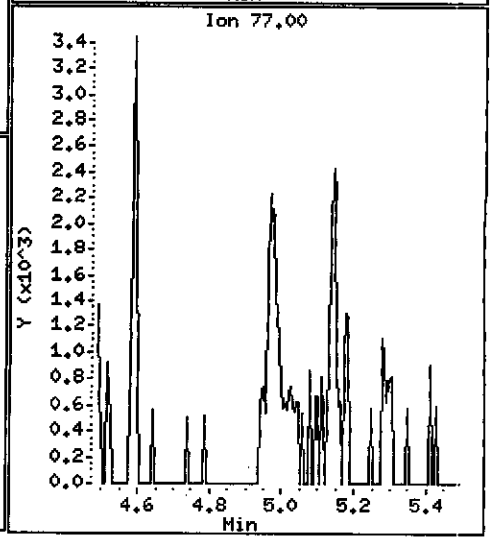


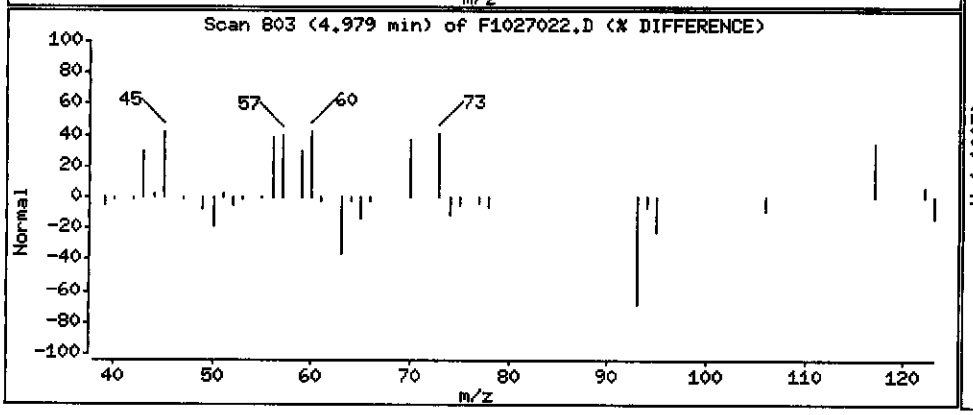












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027022.D

Date : 27-OCT-2010 07:34

Client ID: EB10-20

Instrument: 722.i

Sample Info: C0J210496-001 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

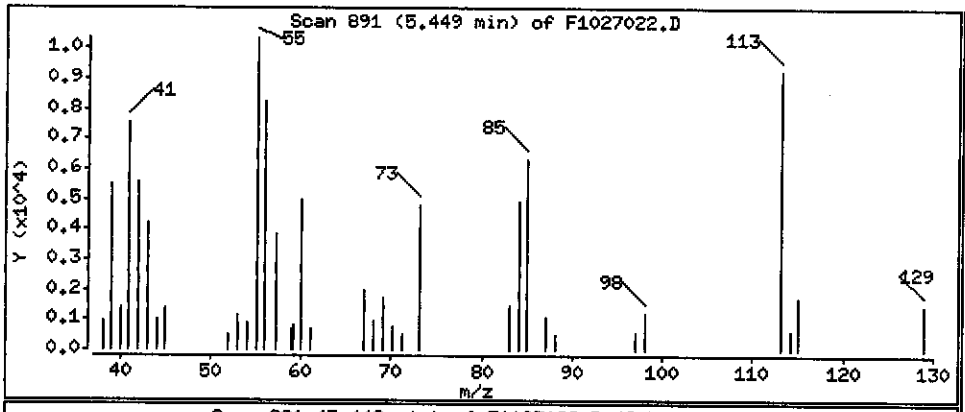
Operator: 007062

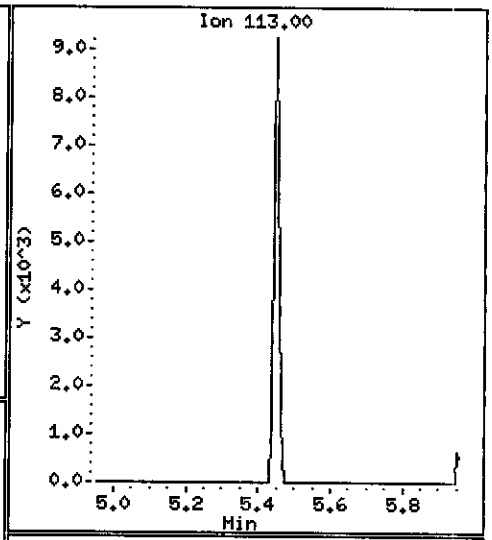
Column phase: Hp5-MS

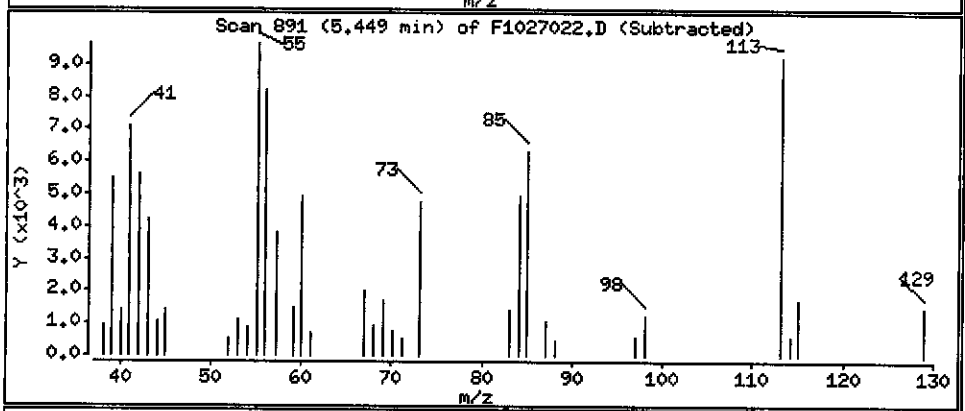
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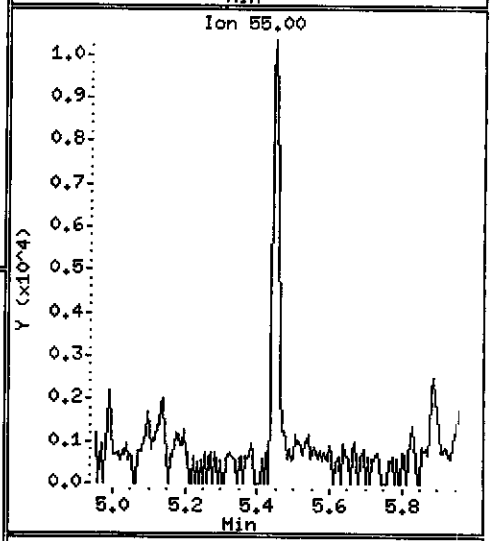
221 Caprolactam

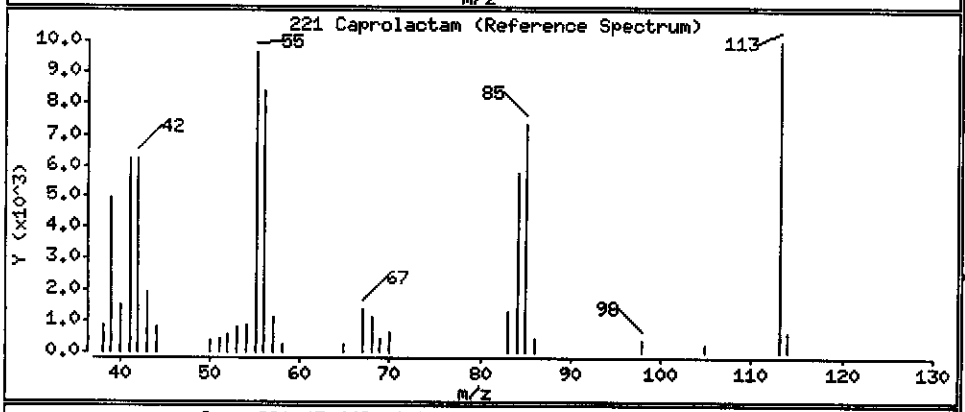
Concentration: 13.470 ug/kg

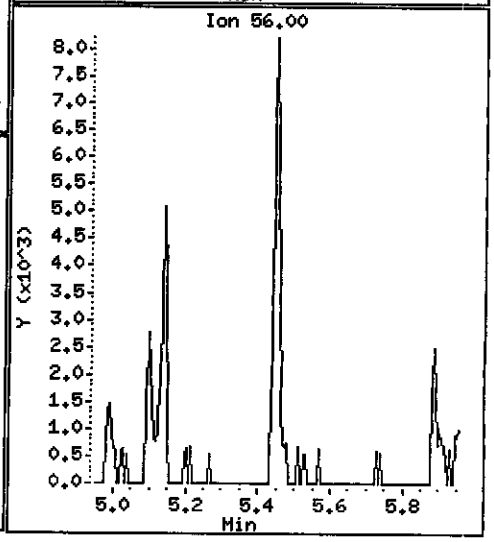


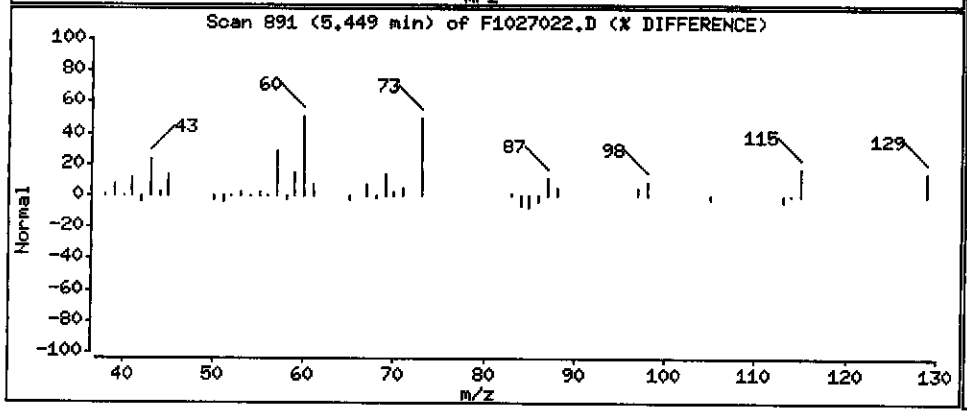












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027022.D

Date : 27-OCT-2010 07:34

Client ID: EB10-20

Instrument: 722.i

Sample Info: C0J210496-001 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

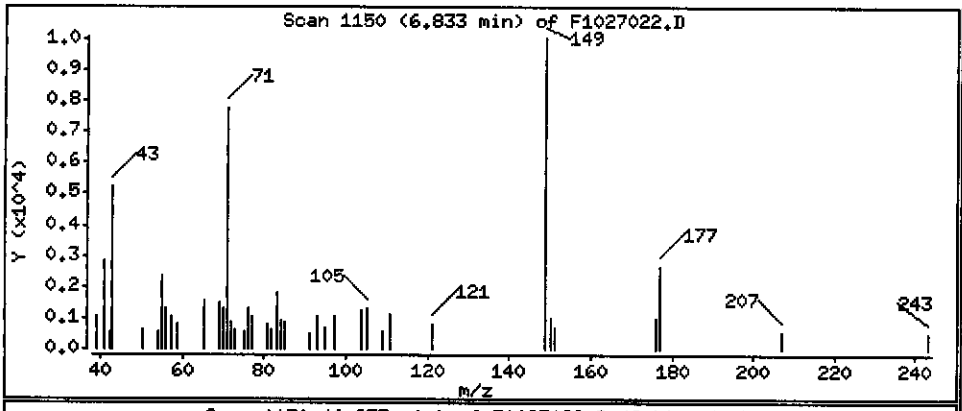
Operator: 007062

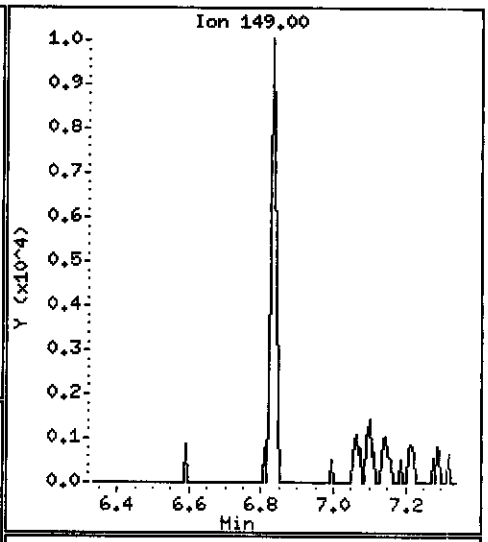
Column phase: Hp5-MS

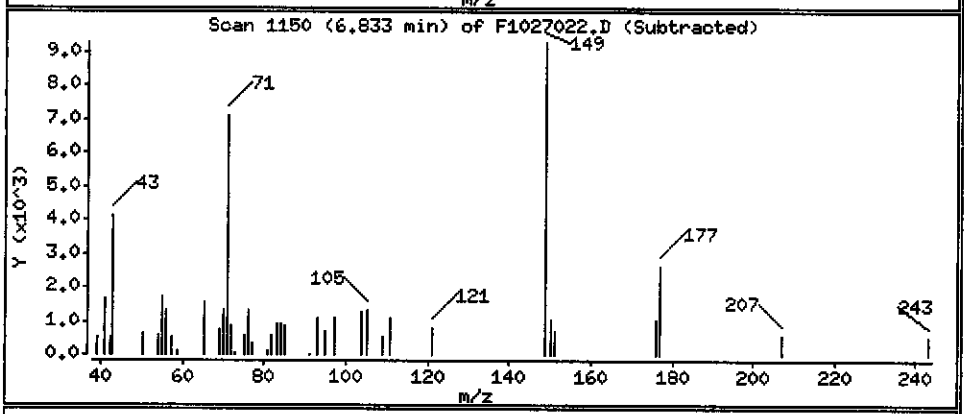
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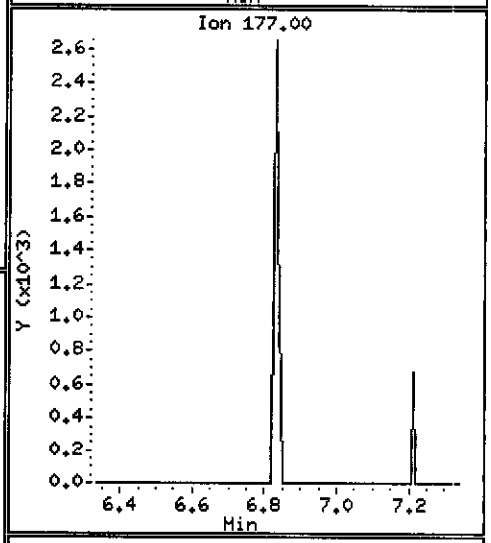
93 Diethylphthalate

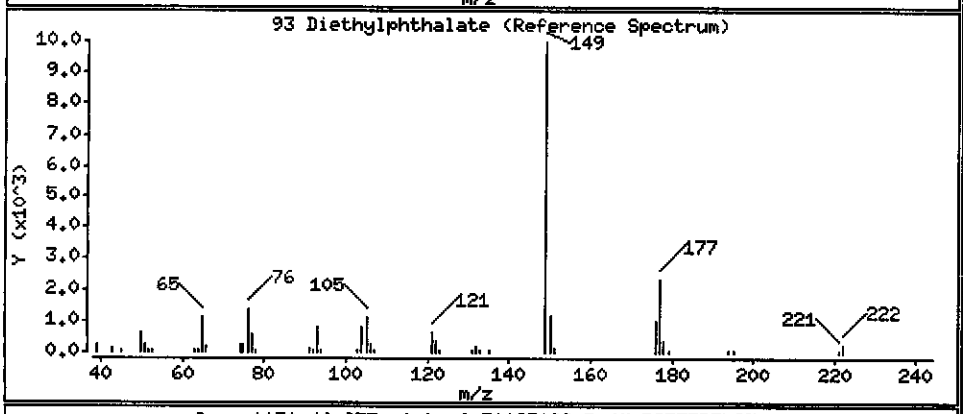
Concentration: 2.4449 ug/kg

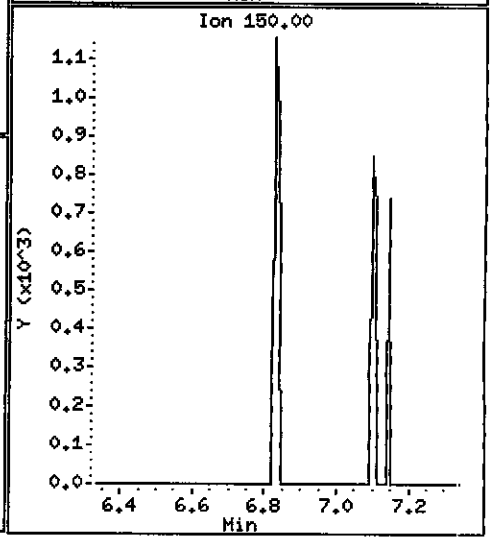


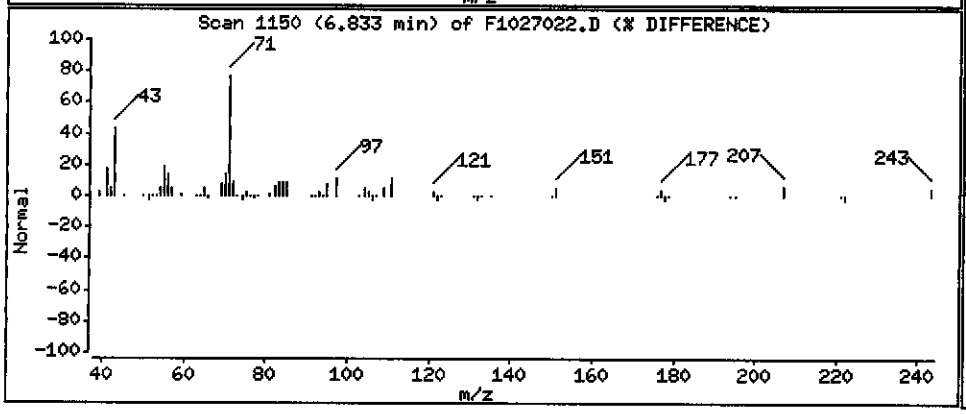












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027022.D

Date : 27-OCT-2010 07:34

Client ID: EB10-20

Instrument: 722.i

Sample Info: C0J210496-001 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

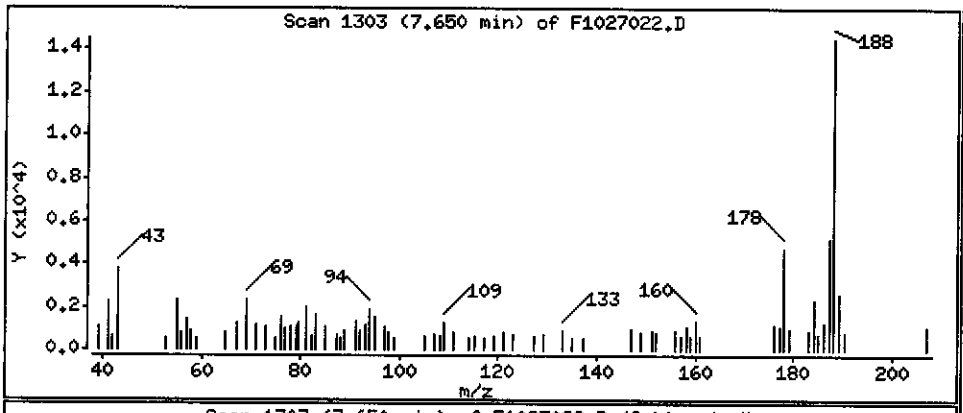
Operator: 007062

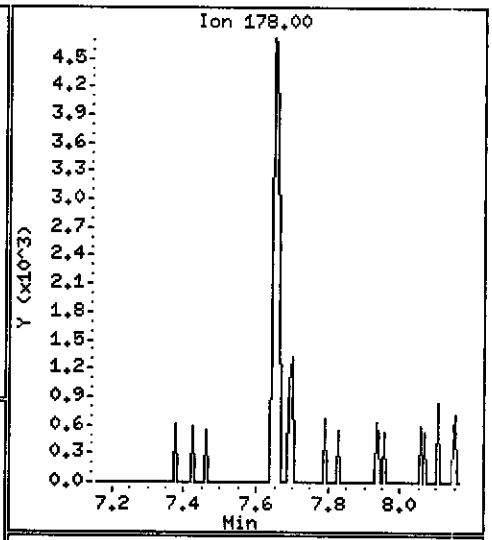
Column phase: Hp5-MS

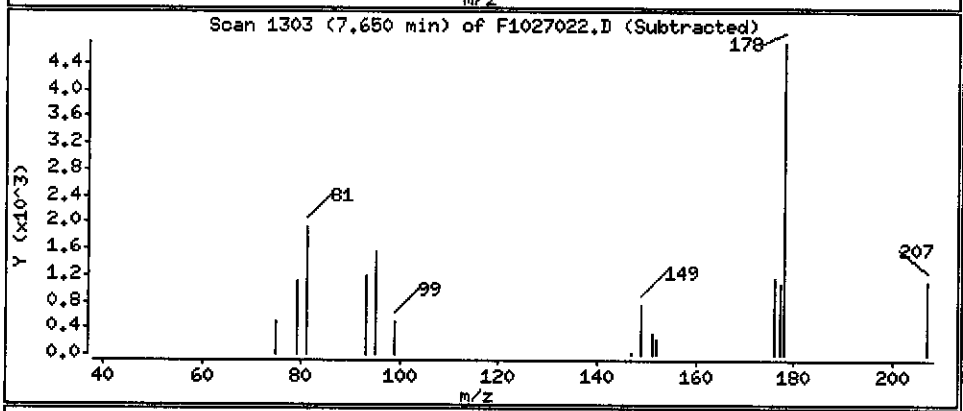
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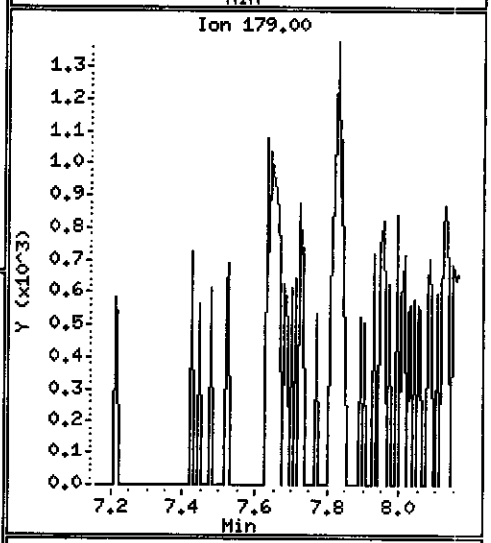
115 Phenanthrene

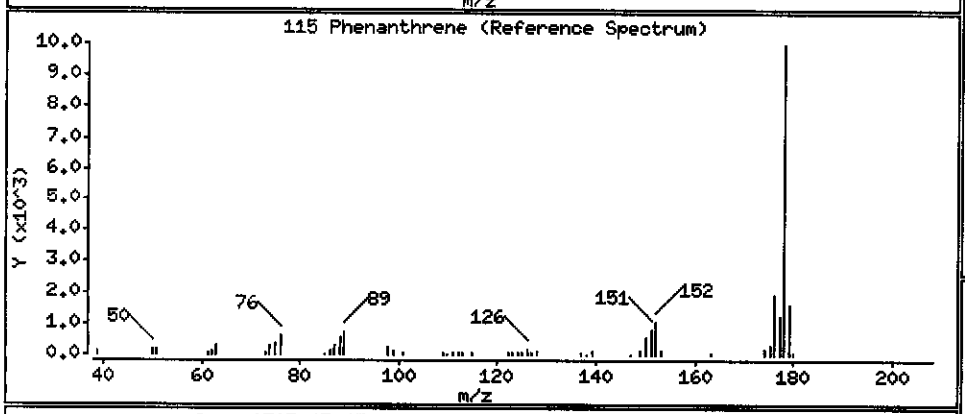
Concentration: 0.86924 ug/kg

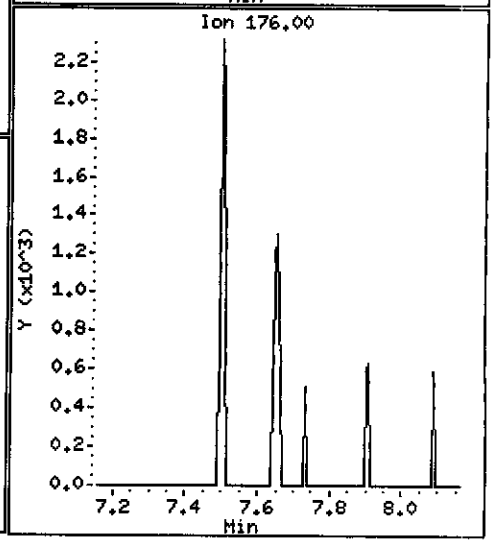


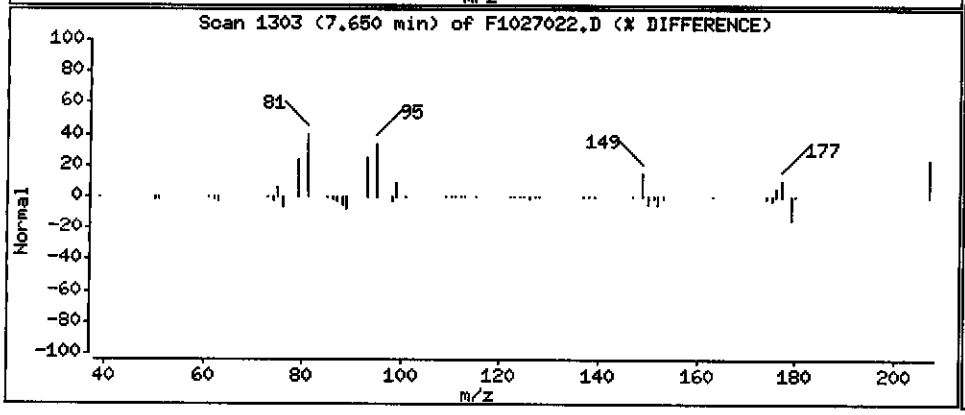












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027022.D

Date : 27-OCT-2010 07:34

Client ID: EB10-20

Instrument: 722.i

Sample Info: C0J210496-001 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

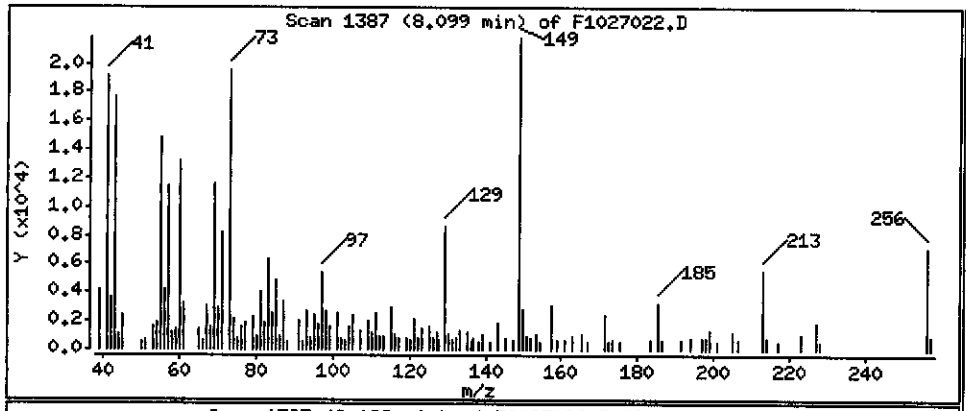
Operator: 007062

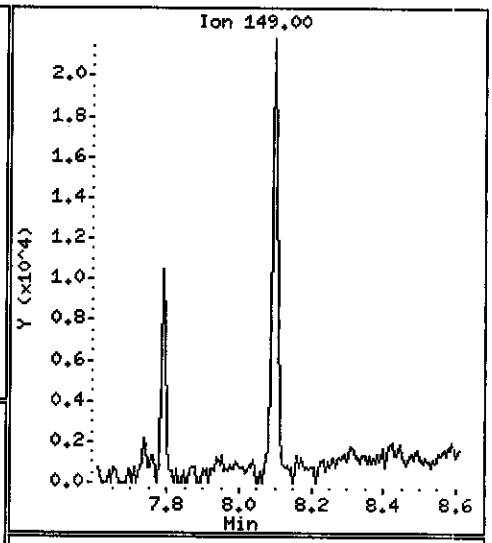
Column phase: Hp5-MS

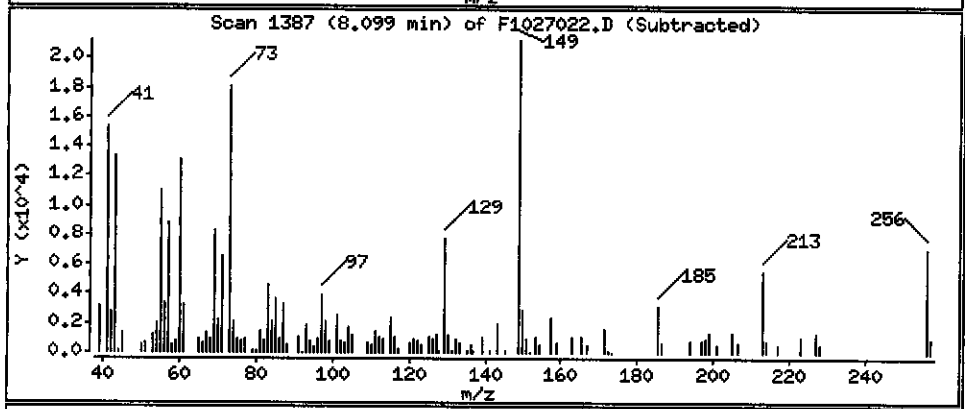
Column diameter: 0.25

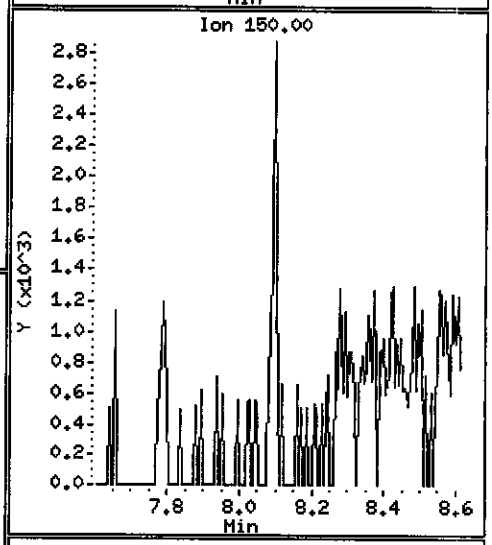
120 Di-n-Butylphthalate

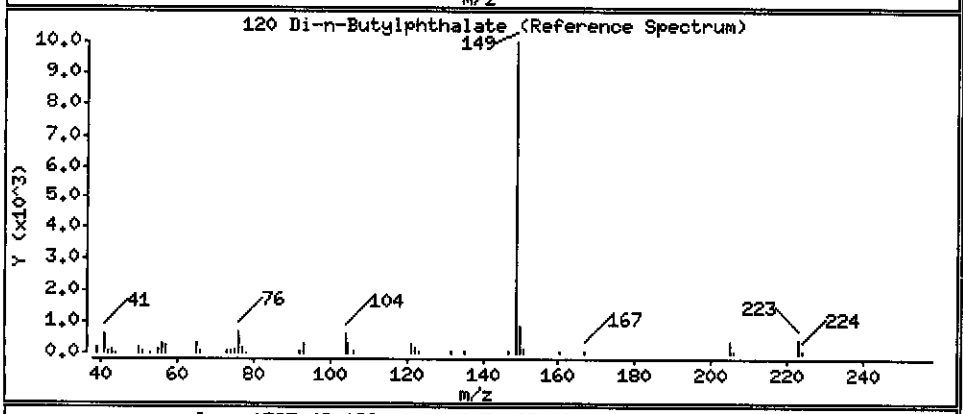
Concentration: 3.6174 ug/kg

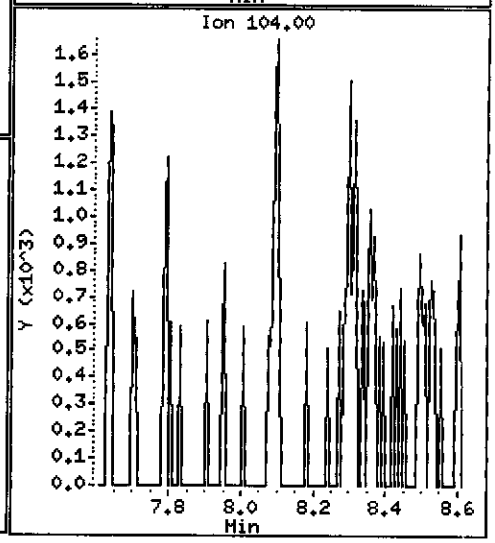


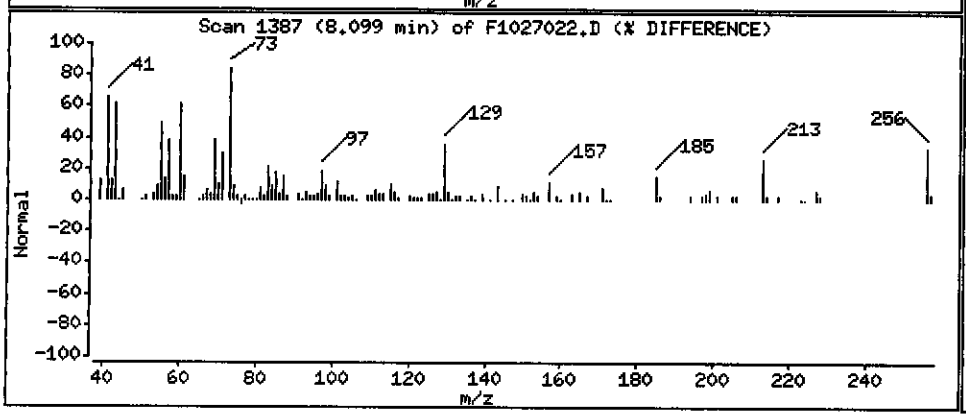












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027022.D

Date : 27-OCT-2010 07:34

Client ID: EB10-20

Instrument: 722.i

Sample Info: C0J210496-001 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

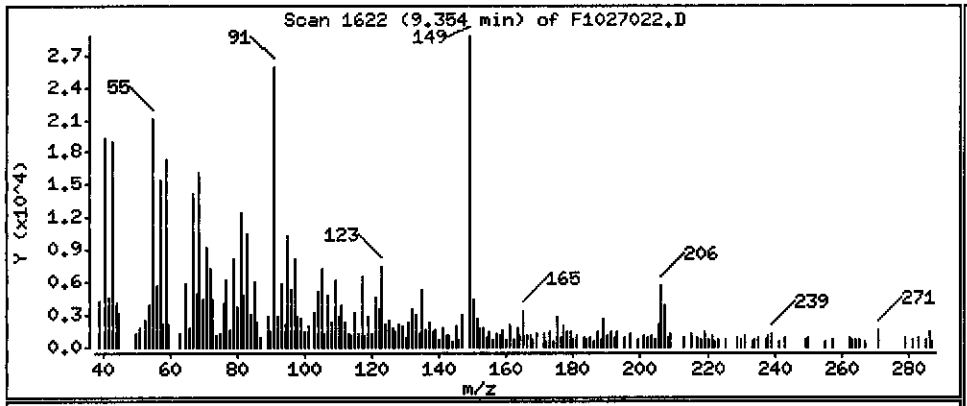
Operator: 007062

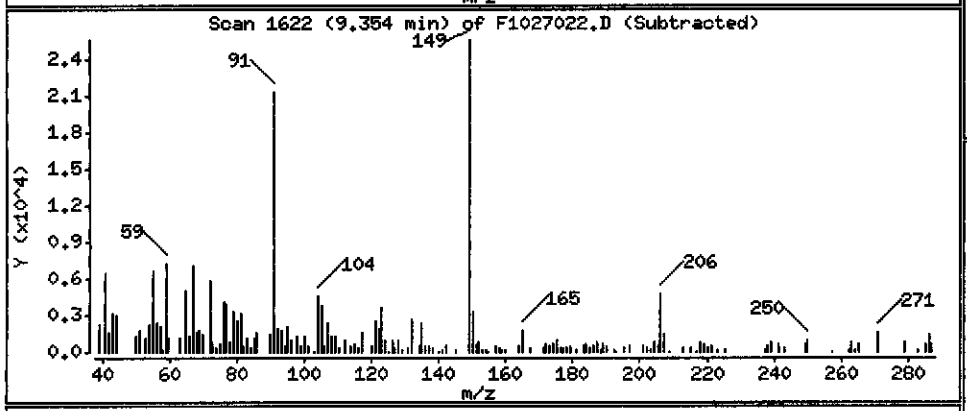
Column phase: Hp5-MS

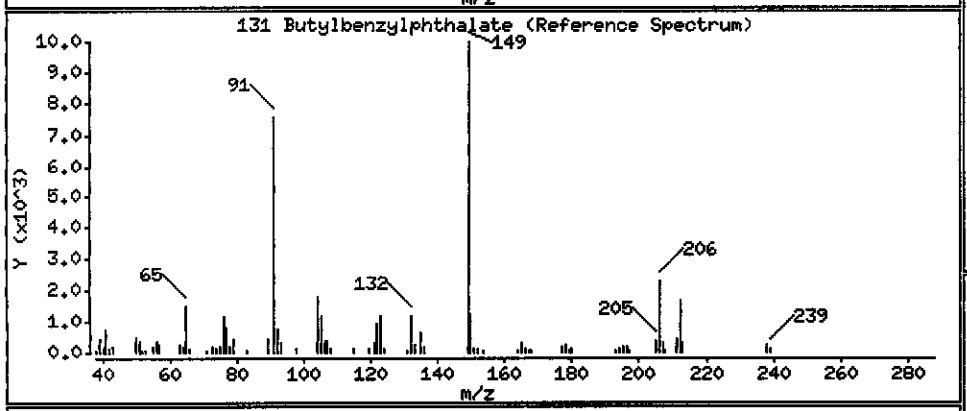
Column diameter: 0.25

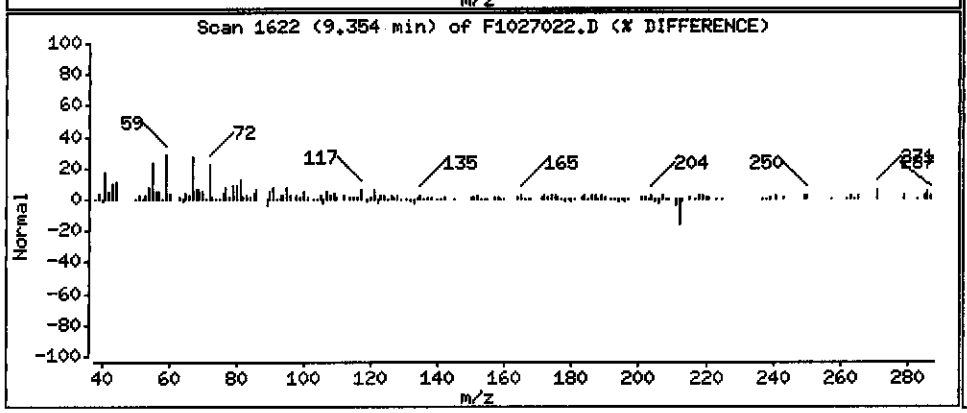
131 Butylbenzylphthalate

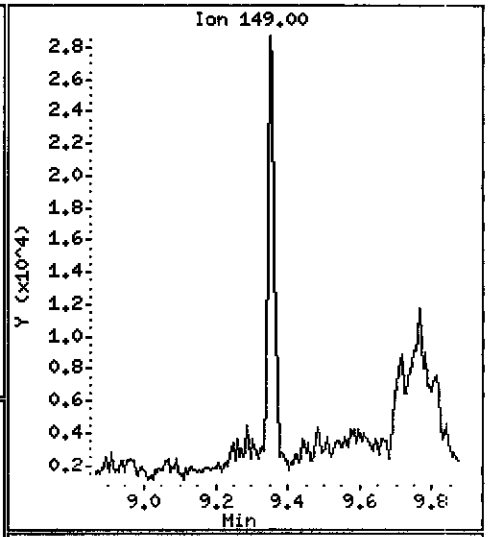
Concentration: 9.6197 ug/kg

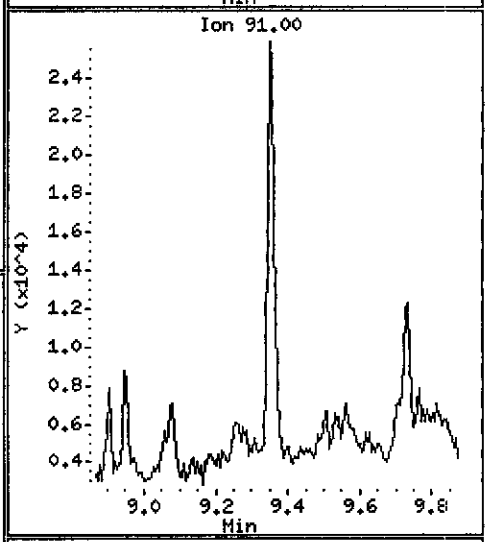


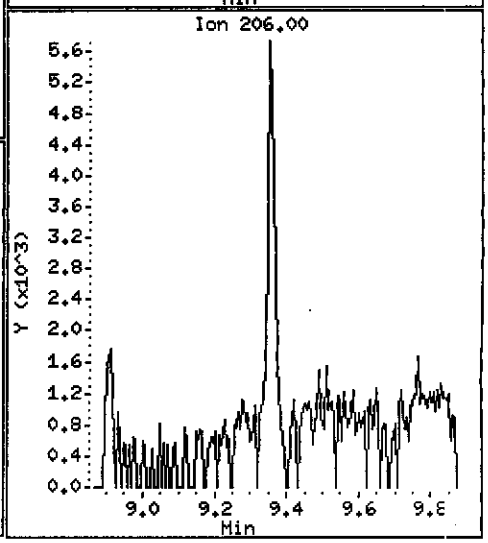












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027022.D

Date : 27-OCT-2010 07:34

Client ID: EB10-20

Instrument: 722.i

Sample Info: C0J210496-001 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

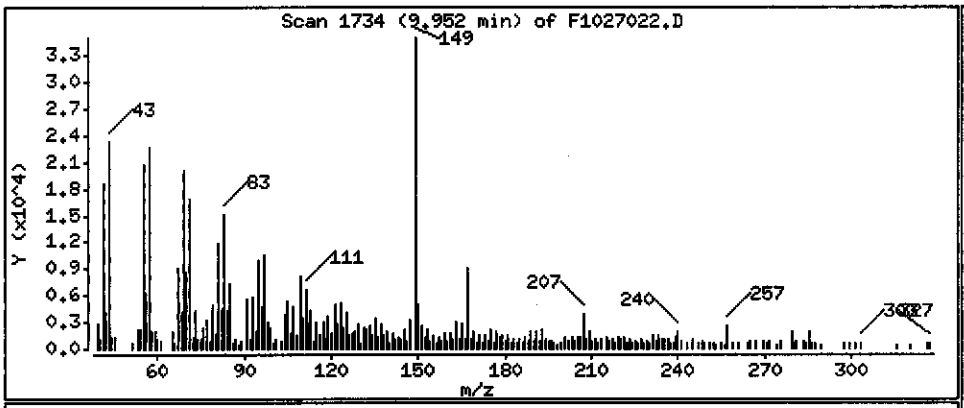
Operator: 007062

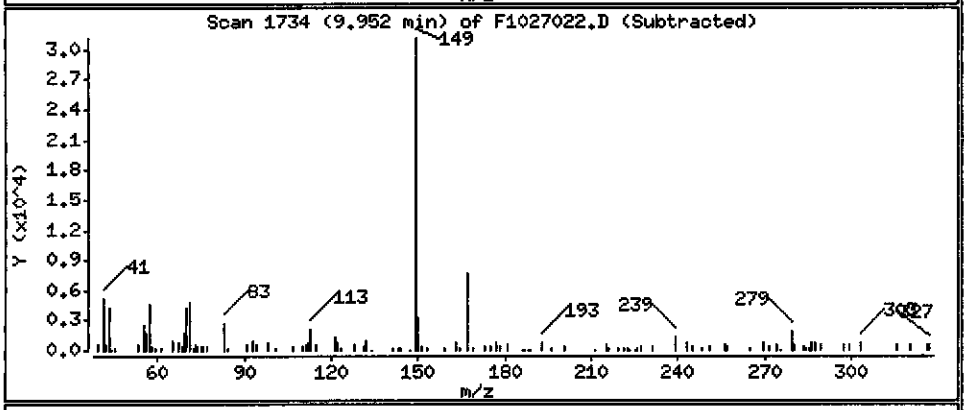
Column phase: Hp5-MS

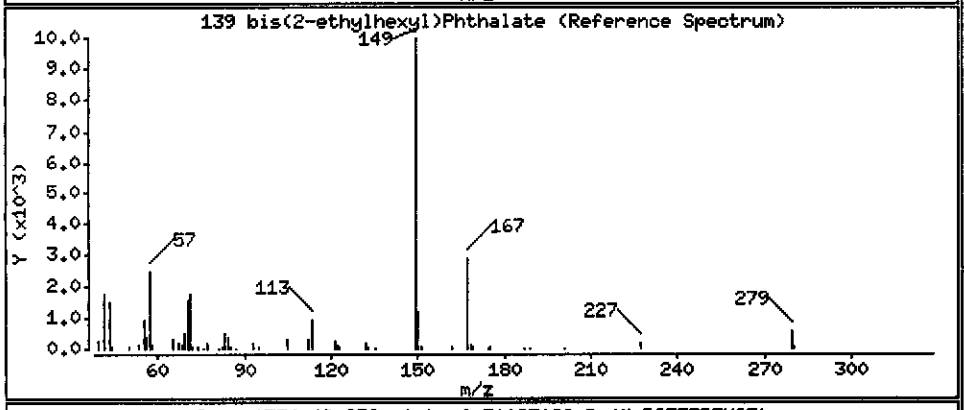
Column diameter: 0.25

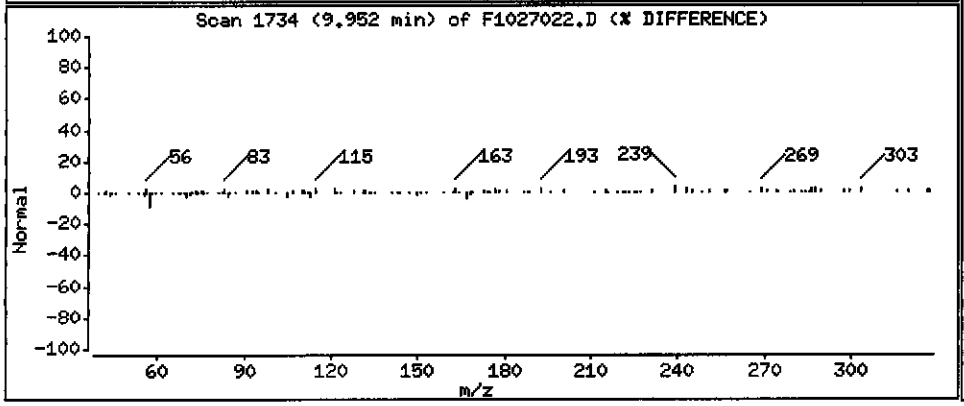
139 bis(2-ethylhexyl)Phthalate

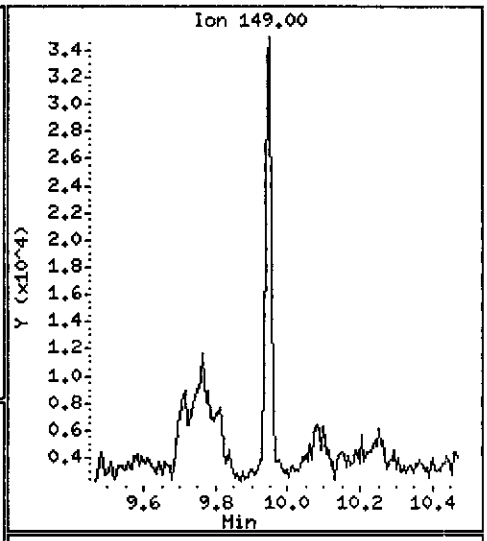
Concentration: 8.0376 ug/kg

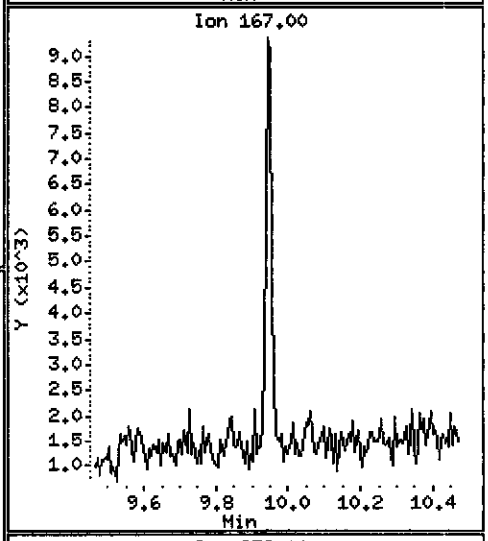


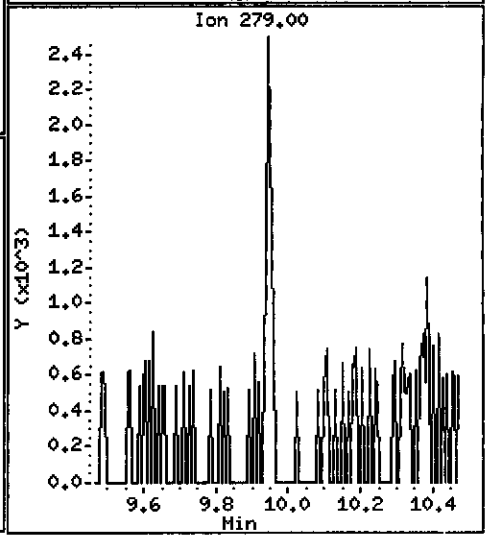












Leo Brausch Consulting

Client Sample ID: SD10-31

GC/MS Semivolatiles

Lot-Sample #...:	C0J210496-004	Work Order #...:	L8VLA1AC	Matrix.....:	SOLID
Date Sampled...:	10/20/10 16:00	Date Received..:	10/21/10 10:00	MS Run #.....:	0299018
Prep Date.....:	10/26/10	Analysis Date..:	10/27/10		
Prep Batch #...:	0299052	Analysis Time..:	07:55		
Dilution Factor:	2.49	Initial Wgt/Vol:	30.1 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	52	Analyst ID.....:	007062	Instrument ID..:	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	35	ug/kg	3.4
Acenaphthylene	**12 J**	**35**	**ug/kg**	**4.0**
Acetophenone	ND	170	ug/kg	14
Anthracene	**12 J**	**35**	**ug/kg**	**3.4**
Atrazine	ND	170	ug/kg	17
Benzo(a)anthracene	**42**	**35**	**ug/kg**	**4.4**
Benzo(a)pyrene	**58**	**35**	**ug/kg**	**3.5**
Benzo(b)fluoranthene	**95**	**35**	**ug/kg**	**5.5**
Benzo(ghi)perylene	**63**	**35**	**ug/kg**	**3.5**
Benzo(k)fluoranthene	ND	35	ug/kg	7.1
Benzaldehyde	**90 J**	**170**	**ug/kg**	**26**
1,1'-Biphenyl	ND	170	ug/kg	16
bis(2-Chloroethoxy) methane	ND	170	ug/kg	11
bis(2-Chloroethyl)-ether	ND	35	ug/kg	4.7
bis(2-Ethylhexyl) phthalate	ND	170	ug/kg	28
4-Bromophenyl phenyl ether	ND	170	ug/kg	15
Butyl benzyl phthalate	**24 J**	**170**	**ug/kg**	**24**
Caprolactam	ND	890	ug/kg	130
Carbazole	**9.2 J**	**35**	**ug/kg**	**3.2**
4-Chloroaniline	ND	170	ug/kg	14
4-Chloro-3-methylphenol	ND	170	ug/kg	16
2-Chloronaphthalene	ND	35	ug/kg	3.6
2-Chlorophenol	ND	170	ug/kg	14
4-Chlorophenyl phenyl ether	ND	170	ug/kg	19
Chrysene	**73**	**35**	**ug/kg**	**4.2**
Dibenz(a,h)anthracene	ND	35	ug/kg	3.9
Dibenzofuran	ND	170	ug/kg	17
3,3'-Dichlorobenzidine	ND	170	ug/kg	18
2,4-Dichlorophenol	ND	35	ug/kg	3.5
Diethyl phthalate	ND	170	ug/kg	19
2,4-Dimethylphenol	ND	170	ug/kg	27
Dimethyl phthalate	ND	170	ug/kg	19

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: SD10-31

GC/MS Semivolatiles

Lot-Sample #...: C0J210496-004 Work Order #...: L8VLA1AC Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	170	ug/kg	22
4,6-Dinitro-2-methylphenol	ND	890	ug/kg	70
2,4-Dinitrophenol	ND	890	ug/kg	210
2,4-Dinitrotoluene	ND	170	ug/kg	14
2,6-Dinitrotoluene	ND	170	ug/kg	18
Di-n-octyl phthalate	ND	170	ug/kg	18
Fluoranthene	**110**	**35**	**ug/kg**	**3.7**
Fluorene	ND	35	ug/kg	4.6
Hexachlorobenzene	ND	35	ug/kg	3.7
Hexachlorobutadiene	ND	35	ug/kg	3.9
Hexachlorocyclopentadiene	ND	170	ug/kg	19
Hexachloroethane	ND	170	ug/kg	13
Indeno(1,2,3-cd)pyrene	**47**	**35**	**ug/kg**	**3.6**
Isophorone	ND	170	ug/kg	13
2-Methylnaphthalene	ND	35	ug/kg	3.1
2-Methylphenol	ND	170	ug/kg	12
4-Methylphenol	ND	170	ug/kg	17
Naphthalene	ND	35	ug/kg	3.0
2-Nitroaniline	ND	890	ug/kg	78
3-Nitroaniline	ND	890	ug/kg	72
4-Nitroaniline	ND	890	ug/kg	71
Nitrobenzene	ND	35	ug/kg	15
2-Nitrophenol	ND	170	ug/kg	19
4-Nitrophenol	ND	890	ug/kg	59
N-Nitrosodi-n-propylamine	ND	35	ug/kg	4.1
N-Nitrosodiphenylamine	ND	35	ug/kg	16
2,2'-oxybis(1-Chloropropane)	ND	35	ug/kg	3.8
Pentachlorophenol	ND	170	ug/kg	16
Phenanthrene	**39**	**35**	**ug/kg**	**5.5**
Phenol	ND	35	ug/kg	4.1
Pyrene	**72**	**35**	**ug/kg**	**3.5**
2,4,5-Trichlorophenol	ND	170	ug/kg	19
2,4,6-Trichlorophenol	ND	170	ug/kg	26

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: SD10-31

GC/MS Semivolatiles

Lot-Sample #...: C0J210496-004 **Work Order #...:** L8VLA1AC **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	50	(27 - 110)
Terphenyl-d14	51	(21 - 130)
2-Fluorobiphenyl	50	(28 - 108)
2-Fluorophenol	57	(28 - 107)
Phenol-d5	53	(30 - 112)
2,4,6-Tribromophenol	55	(21 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027023.D

Page 5

Date : 27-OCT-2010 07:55

Client ID: SD10-31

Instrument: 722.i

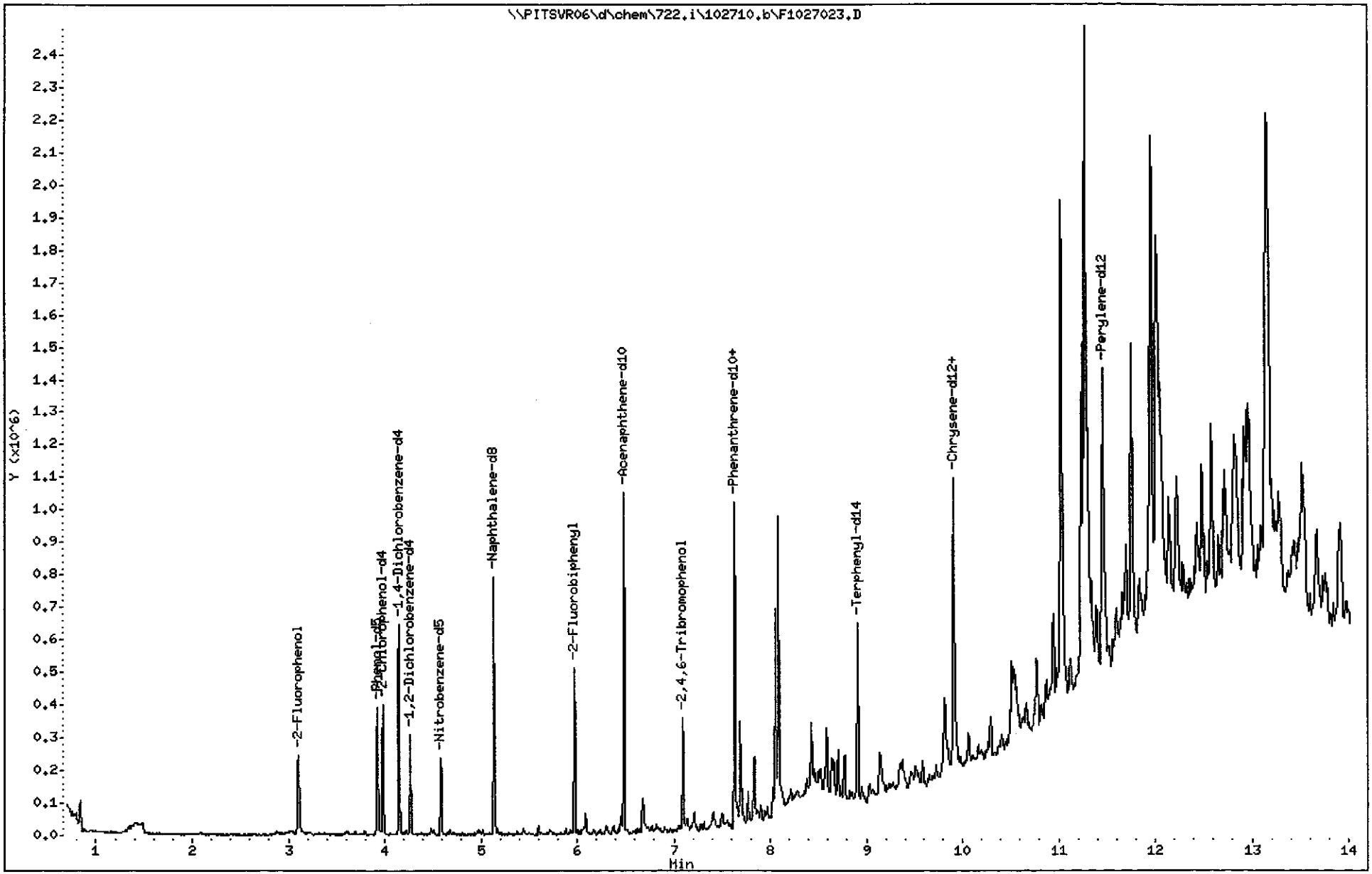
Sample Info: C0J210496-004 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

Operator: 007062

Column phase: Hp5-MS

Column diameter: 0.25



(1001 - 1250)

1032

C0J210496

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\d\chem\722.i\102710.b\F1027023.D
Lab Smp Id: l8vla1ac Client Smp ID: SD10-31
Inj Date : 27-OCT-2010 07:55
Operator : 007062 Inst ID: 722.i
Smp Info : C0J210496-004 x5 10/26/10 Soil (0299052)
Misc Info : l8vla1ac,102710.b,ll.m,428270.sub
Comment :
Method : \\PITSVR06\d\chem\722.i\102710.b\LL.m
Meth Date : 28-Oct-2010 02:25 bungardf Quant Type: ISTD
Cal Date : 02-SEP-2010 04:00 Cal File: F09020C8.D
Als bottle: 25
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: 428270.sub
Target Version: 4.14
Processing Host: PITPC-503

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws)*1 * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.100	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)	
* 1	1,4-Dichlorobenzene-d4	152	4.151	4.155	(1.000)	91330	8.00000		(a)
* 2	Naphthalene-d8	136	5.139	5.138	(1.000)	328214	8.00000		(a)
* 3	Acenaphthene-d10	164	6.485	6.490	(1.000)	184891	8.00000		(a)
* 4	Phenanthrene-d10	188	7.634	7.644	(1.000)	292061	8.00000		(a)
* 5	Chrysene-d12	240	9.910	9.925	(1.000)	336433	8.00000		(a)
* 6	Perylene-d12	264	11.459	11.469	(1.000)	372990	8.00000		(a)
198	1,4-Dioxane	88	Compound Not Detected.						
220	Benzaldehyde	77	3.793	3.798	(0.914)	2802	1.02823	42.700	(a)
10	N-Nitrosodimethylamine	74	Compound Not Detected.						
9	Pyridine	79	Compound Not Detected.						
16	Methyl methanesulfonate	80	Compound Not Detected.						
21	Aniline	93	Compound Not Detected.						
22	Phenol	94	Compound Not Detected.						
23	bis(2-Chloroethyl)ether	93	Compound Not Detected.						
24	2-Chlorophenol	128	Compound Not Detected.						
26	1,3-Dichlorobenzene	146	Compound Not Detected.						
27	1,4-Dichlorobenzene	146	Compound Not Detected.						
28	1,2-Dichlorobenzene	146	Compound Not Detected.						
227	Indene	116	Compound Not Detected.						
29	Benzyl Alcohol	108	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
30	2-Methylphenol	108	Compound Not Detected.					
31	2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
37	Acetophenone	105	Compound Not Detected.					
32	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192	4-Methylphenol	108	4.514	4.513	(1.088)	2630	0.18643	7.7422(a)
34	Hexachloroethane	117	Compound Not Detected.					
35	Nitrobenzene	77	Compound Not Detected.					
36	N-Nitrosopyrrolidine	100	Compound Not Detected.					
41	Isophorone	82	Compound Not Detected.					
42	2-Nitrophenol	139	Compound Not Detected.					
43	2,4-Dimethylphenol	107	Compound Not Detected.					
44	bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48	2,4-Dichlorophenol	162	Compound Not Detected.					
49	Benzoic Acid	122	4.963	4.989	(0.966)	2488	0.38000	15.781(aQ)
50	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51	Naphthalene	128	Compound Not Detected.					
52	4-Chloroaniline	127	Compound Not Detected.					
54	2,6-Dichlorophenol	162	Compound Not Detected.					
56	Hexachlorobutadiene	224	Compound Not Detected.					
221	Caprolactam	113	Compound Not Detected.					
59	4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62	2-Methylnaphthalene	142	Compound Not Detected.					
205	1-Methylnaphthalene	142	Compound Not Detected.					
64	Hexachlorocyclopentadiene	236	Compound Not Detected.					
65	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66	2,4,6-Trichlorophenol	196	Compound Not Detected.					
67	2,4,5-Trichlorophenol	196	Compound Not Detected.					
222	1,1'-Biphenyl	154	Compound Not Detected.					
70	2-Chloronaphthalene	162	Compound Not Detected.					
73	2-Nitroaniline	65	Compound Not Detected.					
76	Dimethylphthalate	163	Compound Not Detected.					
78	2,6-Dinitrotoluene	165	Compound Not Detected.					
79	Acenaphthylene	152	6.379	6.383	(0.984)	5700	0.13399	5.5645(a)
81	3-Nitroaniline	138	Compound Not Detected.					
82	Acenaphthene	153	Compound Not Detected.					
83	2,4-Dinitrophenol	184	Compound Not Detected.					
85	4-Nitrophenol	109	Compound Not Detected.					
86	Dibenzofuran	168	Compound Not Detected.					
87	2,4-Dinitrotoluene	165	Compound Not Detected.					
91	2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
88	2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
92	2-Naphthylamine	143	Compound Not Detected.					
93	Diethylphthalate	149	Compound Not Detected.					
94	Fluorene	166	Compound Not Detected.					
95	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96	4-Nitroaniline	138	Compound Not Detected.					
98	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99	N-Nitrosodiphenylamine	169	Compound Not Detected.					
100	1,2-Diphenylhydrazine	77	Compound Not Detected.					
106	4-Bromophenyl-phenylether	248	Compound Not Detected.					
107	Hexachlorobenzene	283	Compound Not Detected.					
223	Atrazine	200	Compound Not Detected.					
111	Pentachlorophenol	265	Compound Not Detected.					
115	Phenanthrene	178	7.650	7.660	(1.002)	18590	0.44803	18.606(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
116 Anthracene	178	7.693	7.697	(1.008)	5796	0.13940	5.7890(aQ)
119 Carbazole	167	7.821	7.831	(1.024)	3940	0.10512	4.3654(aM)
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	8.585	8.595	(1.125)	50615	1.20905	50.210(a)
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	8.772	8.782	(0.885)	43011	0.82045	34.072(a)
131 Butylbenzylphthalate	149	9.354	9.369	(0.944)	7072	0.26965	11.198(a)
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	9.904	9.914	(0.999)	23340	0.48702	20.225(a)
137 Chrysene	228	9.936	9.957	(1.003)	38373	0.84038	34.900(a)
139 bis(2-ethylhexyl)Phthalate	149	9.952	9.968	(1.004)	9496	0.25308	10.510(aQ)
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	11.053	11.063	(0.965)	67707	1.09139	45.324(a)
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	11.395	11.410	(0.994)	30508	0.66742	27.717(a)
149 Indeno(1,2,3-cd)pyrene	276	12.645	12.666	(1.103)	30570	0.53345	22.153(a)
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	12.987	13.007	(1.133)	34822	0.71986	29.894(a)
$ 154 Nitrobenzene-d5	82	4.584	4.588	(0.892)	67451	3.99987	166.11(a)
$ 155 2-Fluorobiphenyl	172	5.973	5.977	(0.921)	122890	4.01527	166.75(a)
$ 156 Terphenyl-d14	244	8.905	8.921	(0.899)	141489	4.06667	168.88(a)
$ 157 Phenol-d5	99	3.927	3.926	(0.946)	116582	6.33081	262.91(a)
$ 158 2-Fluorophenol	112	3.104	3.114	(0.748)	90932	6.80586	282.64(a)
$ 159 2,4,6-Tribromophenol	330	7.100	7.104	(0.930)	21123	6.58219	273.35(a)
$ 186 2-Chlorophenol-d4	132	3.980	3.985	(0.959)	101316	6.21168	257.96(a)
$ 187 1,2-Dichlorobenzene-d4	152	4.268	4.273	(1.028)	42600	3.79664	157.67(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027023.D

Date : 27-OCT-2010 07:55

Client ID: SD10-31

Instrument: 722.i

Sample Info: C0J210496-004 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

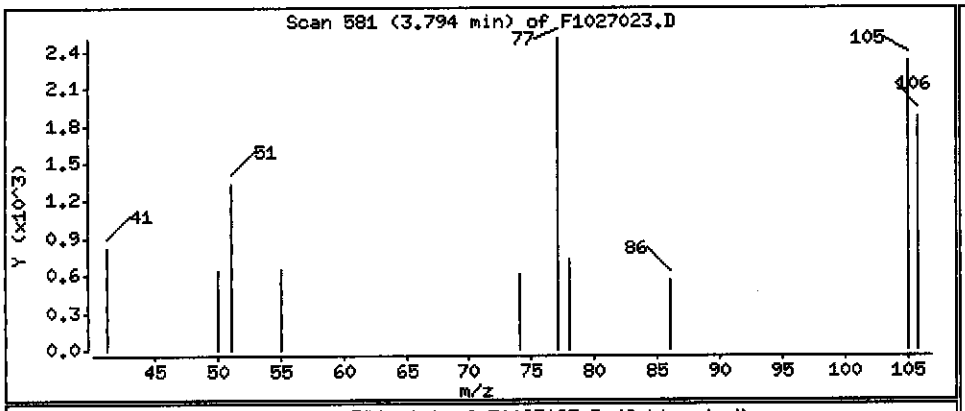
Operator: 007062

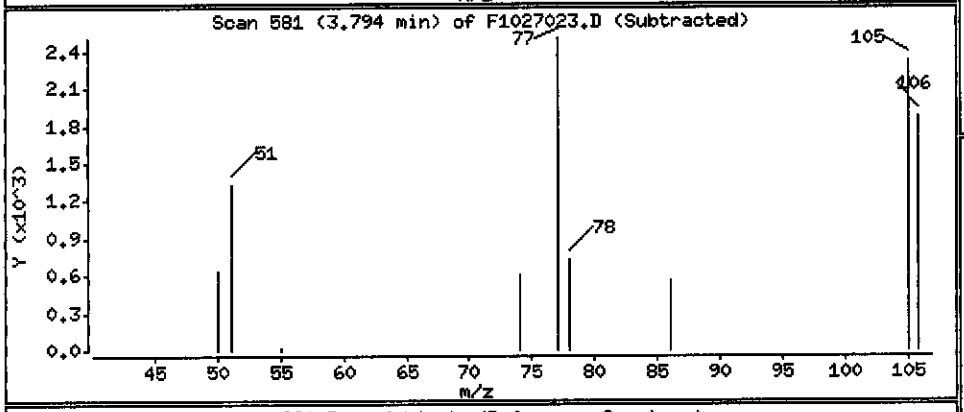
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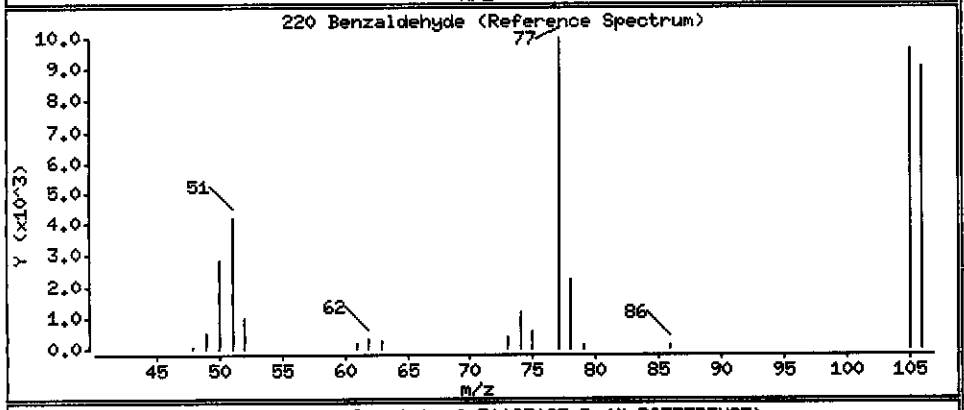
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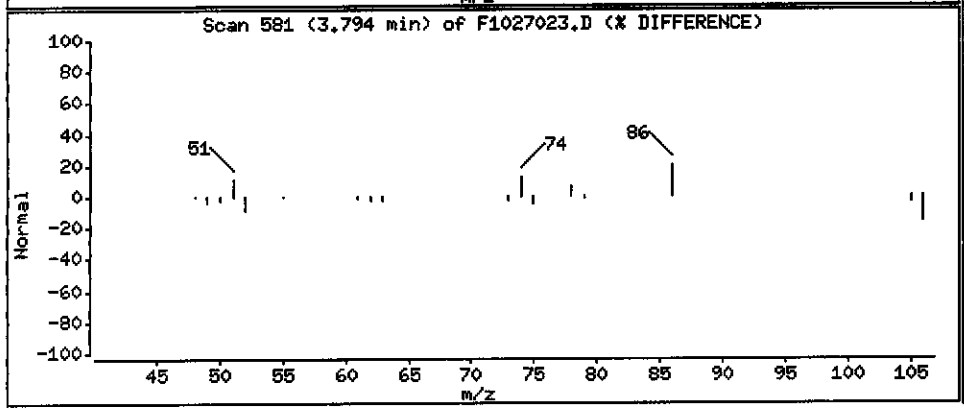
220 Benzaldehyde

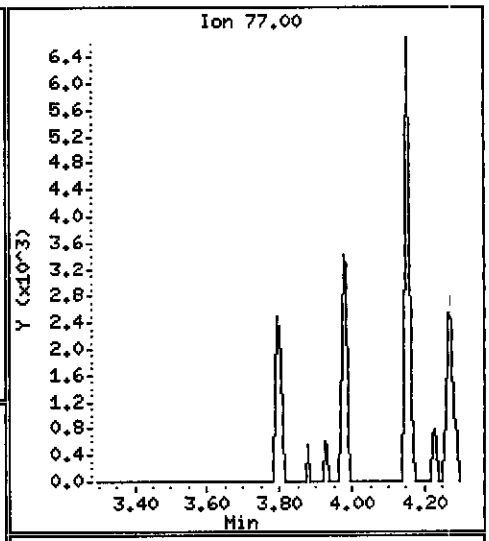
Concentration: 8.5401 ug/kg

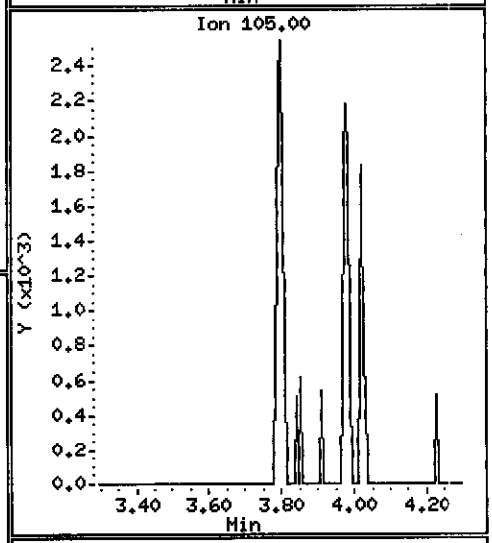


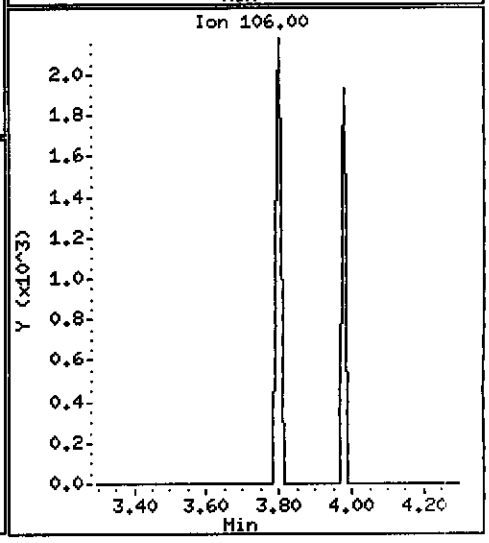












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027023.D

Date : 27-OCT-2010 07:55

Client ID: SD10-31

Instrument: 722.i

Sample Info: C0J210496-004 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

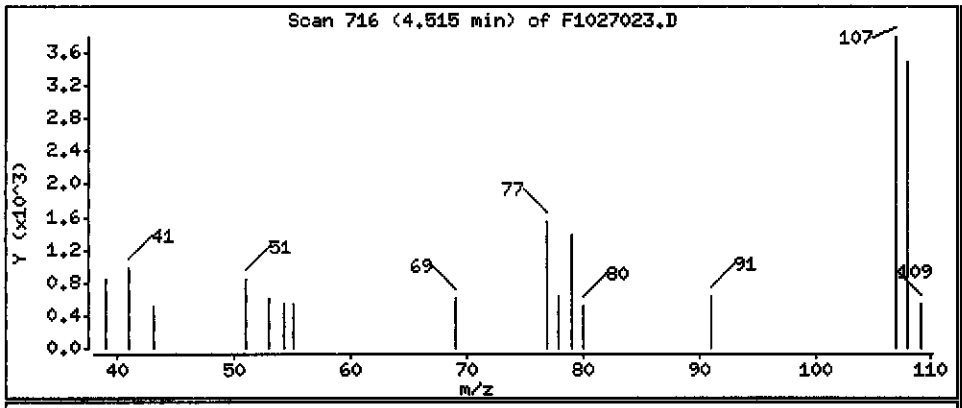
Operator: 007062

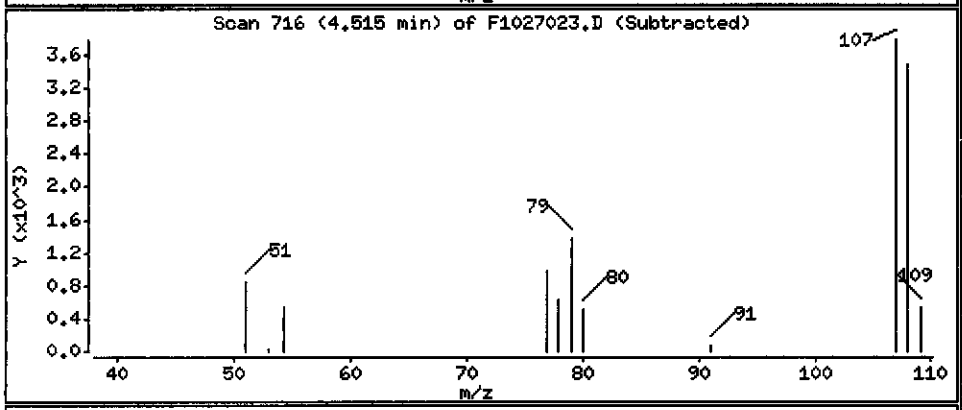
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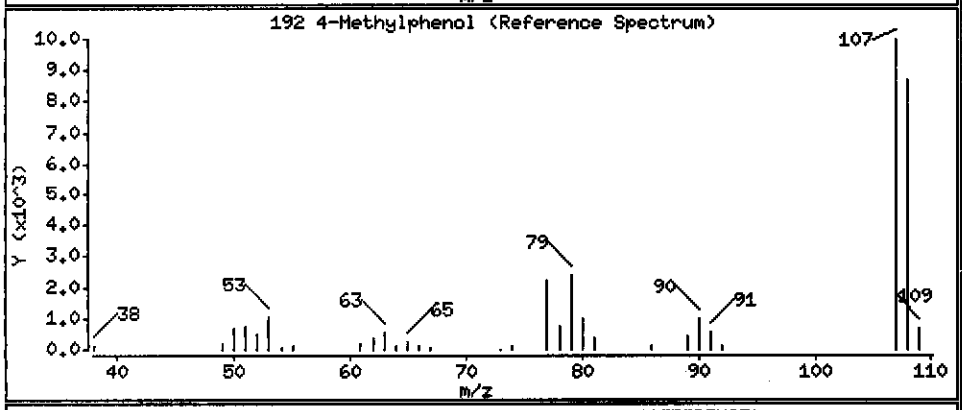
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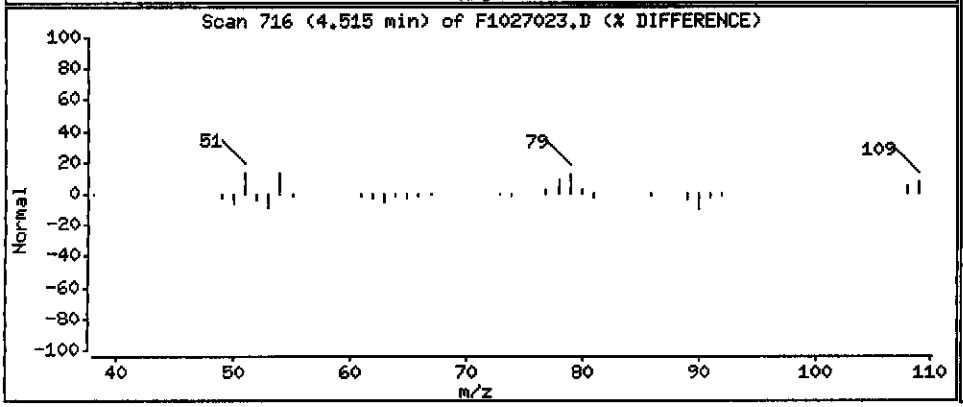
192 4-Methylphenol

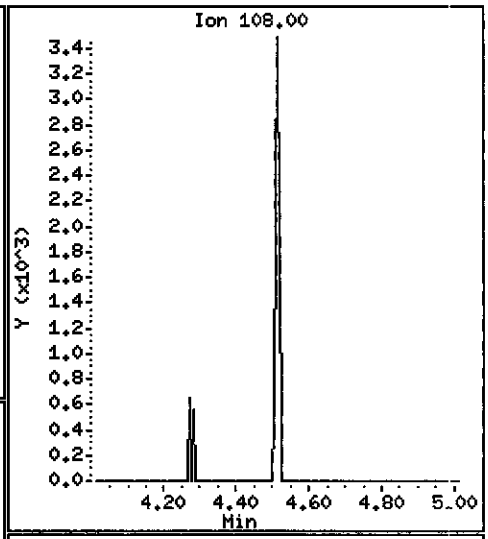
Concentration: 1.5484 ug/kg

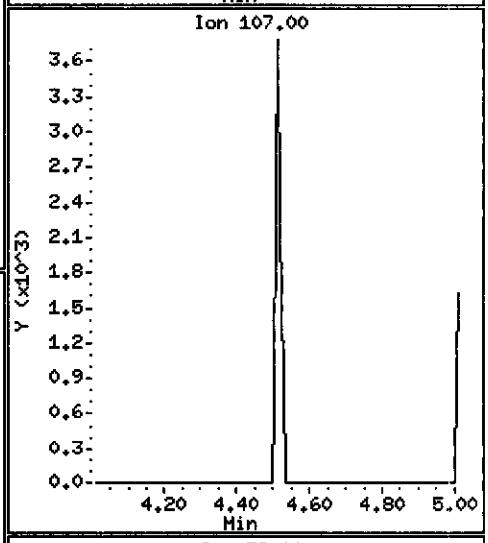


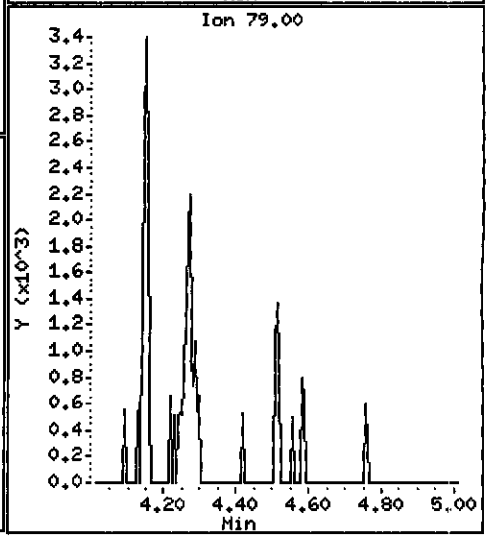












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027023.D

Date : 27-OCT-2010 07:55

Client ID: SD10-31

Instrument: 722.i

Sample Info: C0J210496-004 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

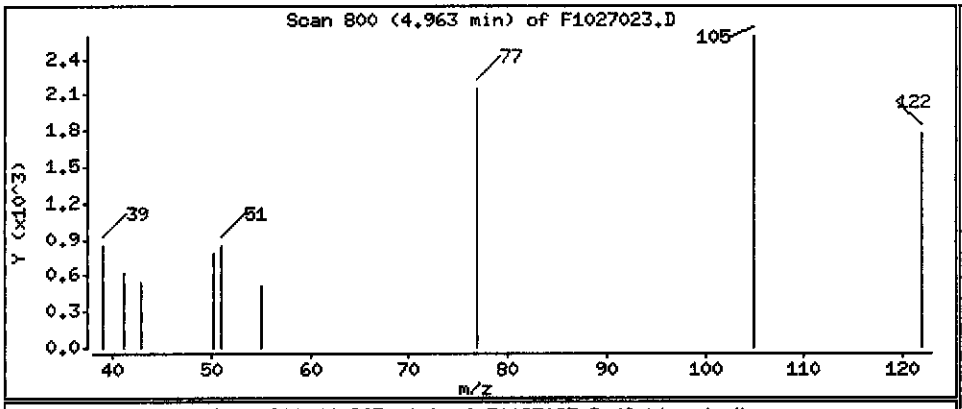
Operator: 007062

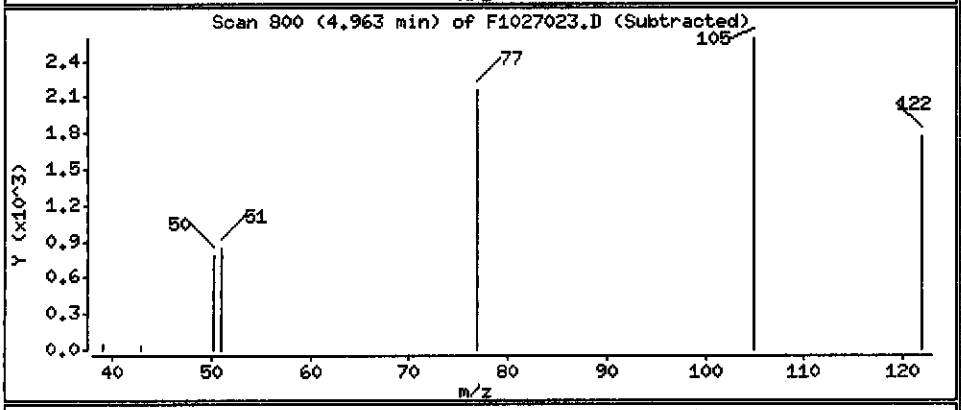
Column phase: Hp5-MS

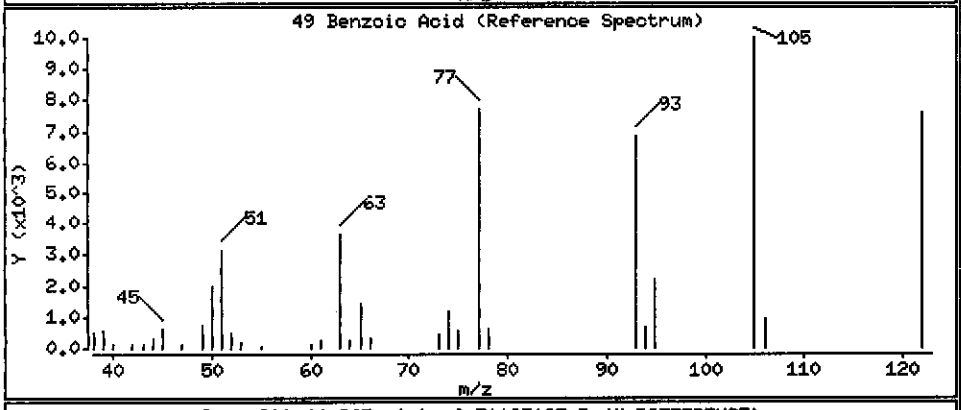
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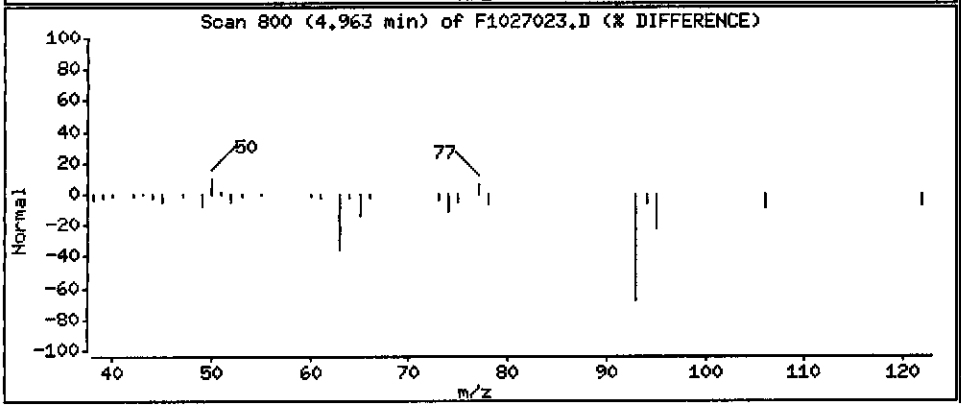
49 Benzoic Acid

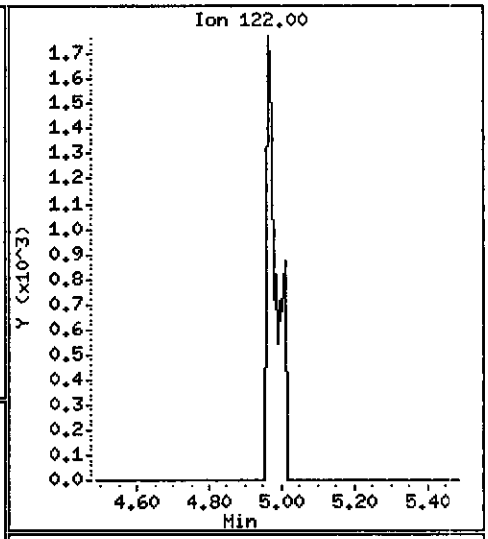
Concentration: 3.1562 ug/kg

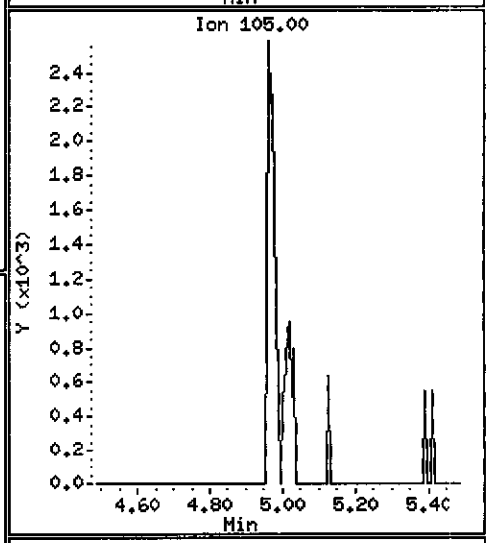


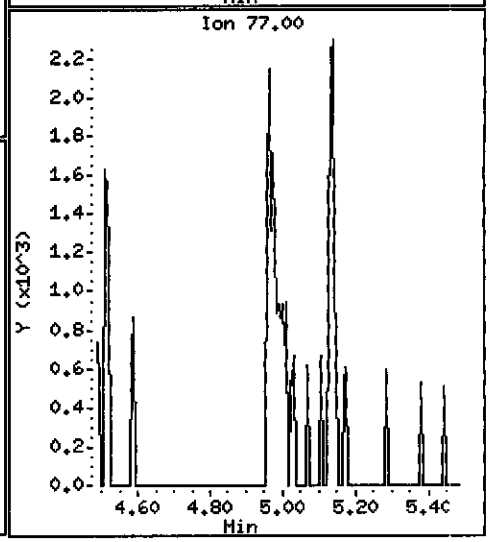












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027023.D

Date : 27-OCT-2010 07:55

Client ID: SD10-31

Instrument: 722.i

Sample Info: C0J210496-004 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

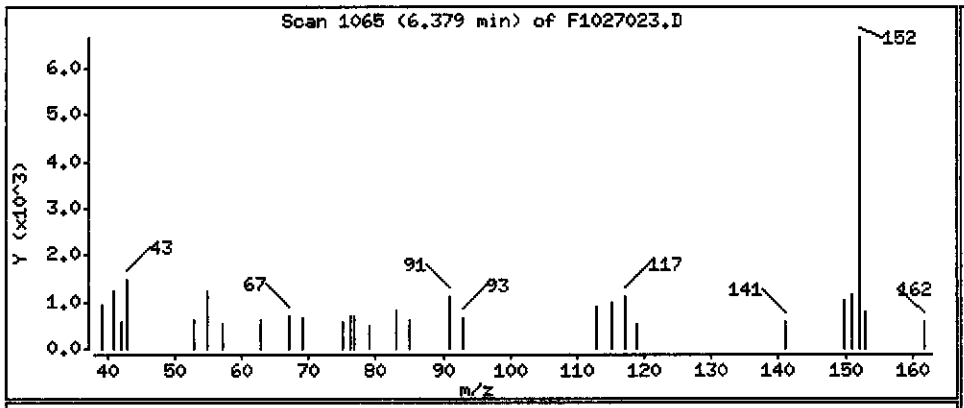
Operator: 007062

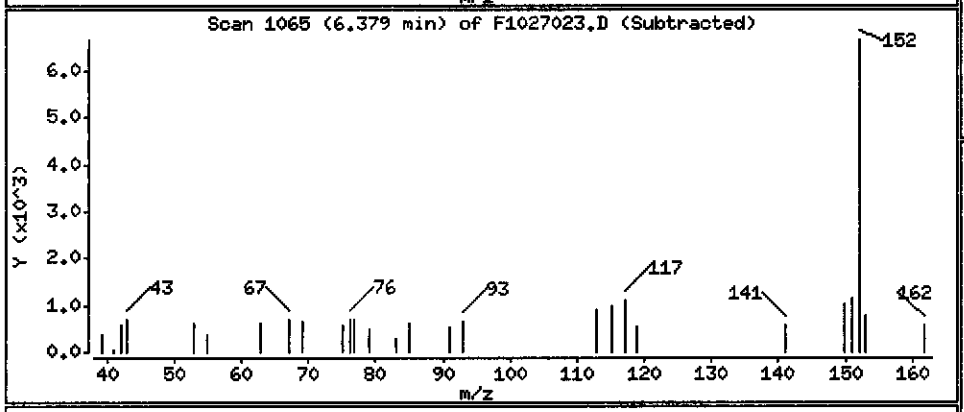
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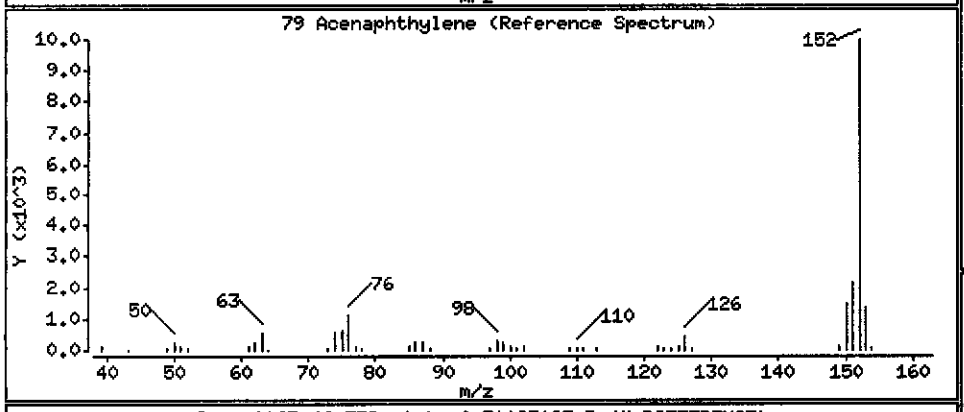
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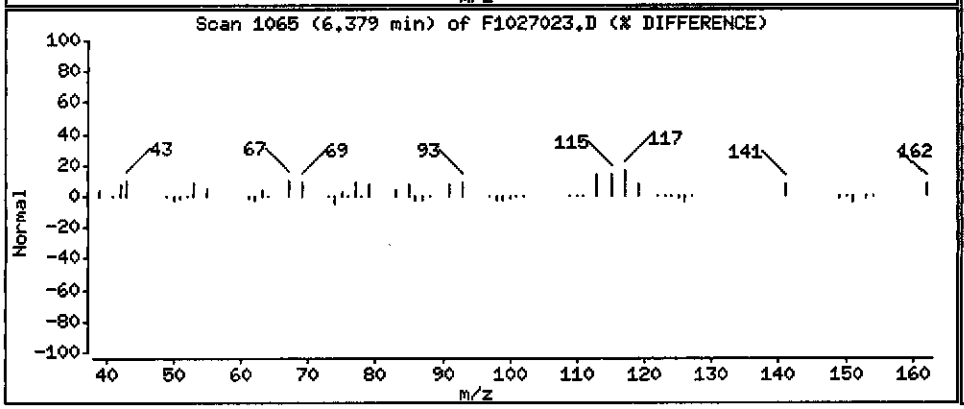
79 Acenaphthylene

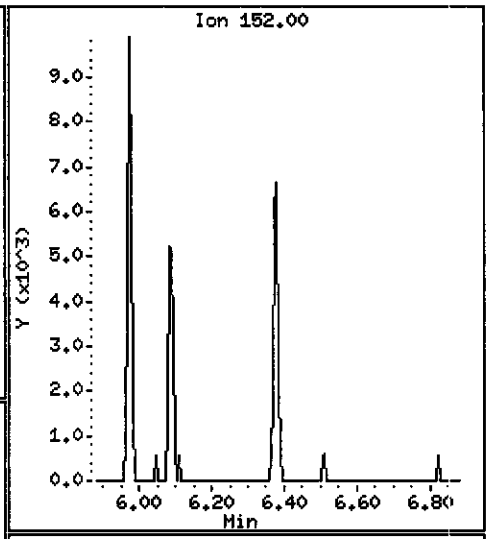
Concentration: 1.1129 ug/kg

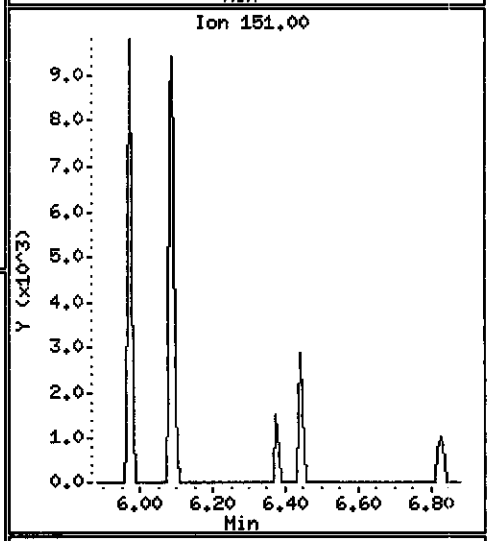


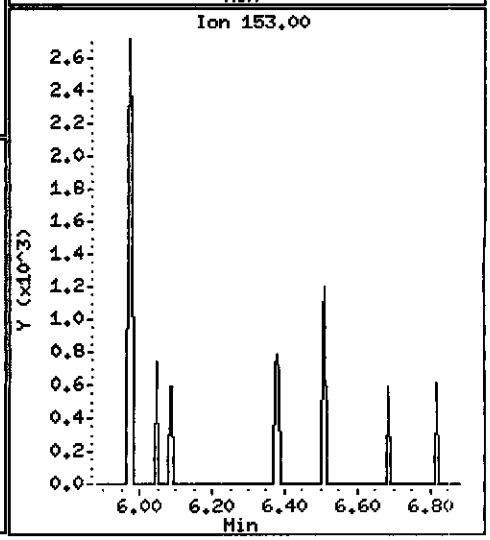












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027023.D

Date : 27-OCT-2010 07:55

Client ID: SD10-31

Instrument: 722.i

Sample Info: C0J210496-004 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

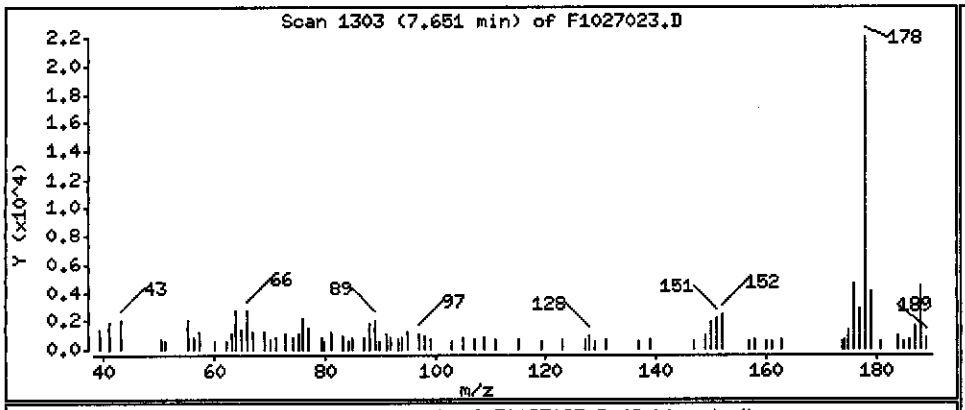
Operator: 007062

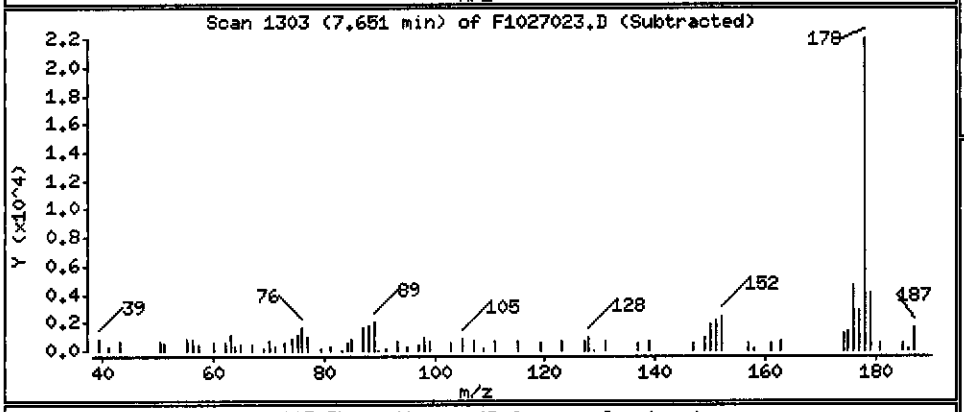
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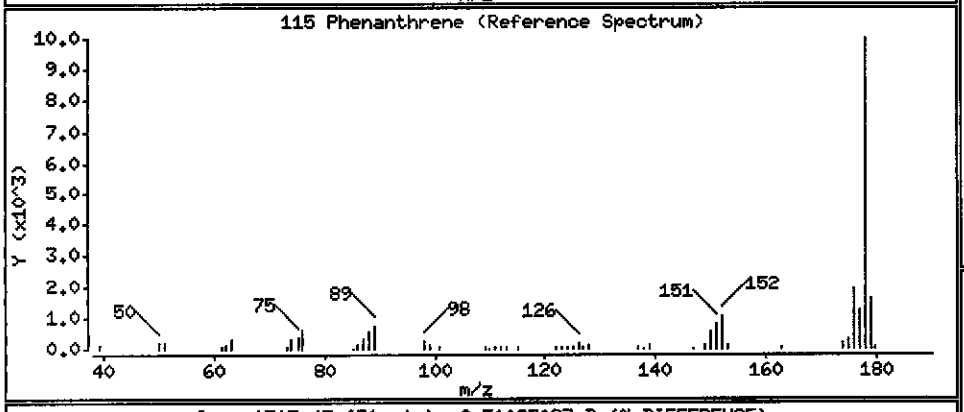
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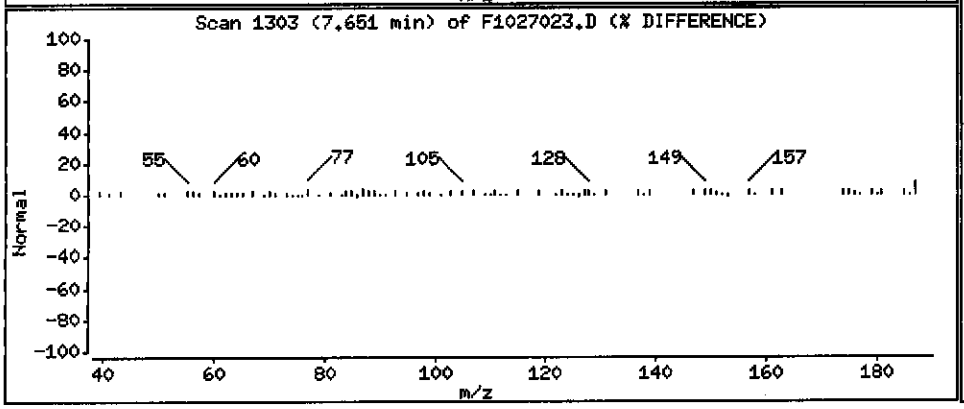
115 Phenanthrene

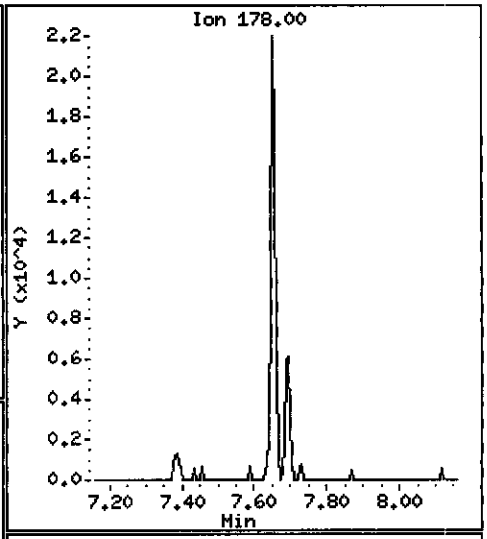
Concentration: 3.7211 ug/kg

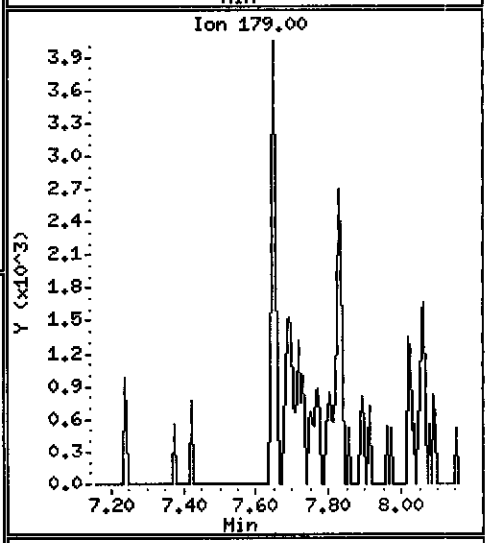


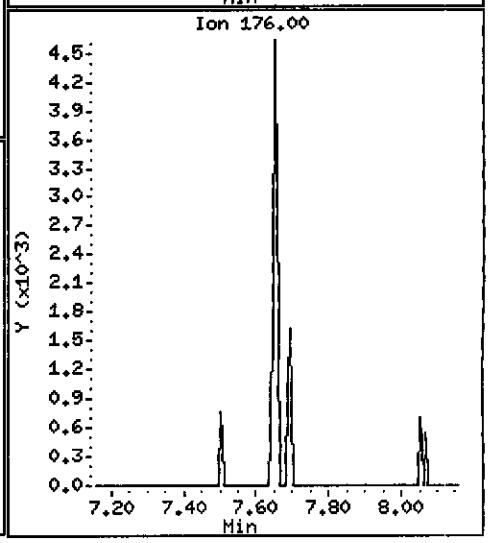












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027023.D

Date : 27-OCT-2010 07:55

Client ID: SD10-31

Instrument: 722.i

Sample Info: C0J210496-004 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

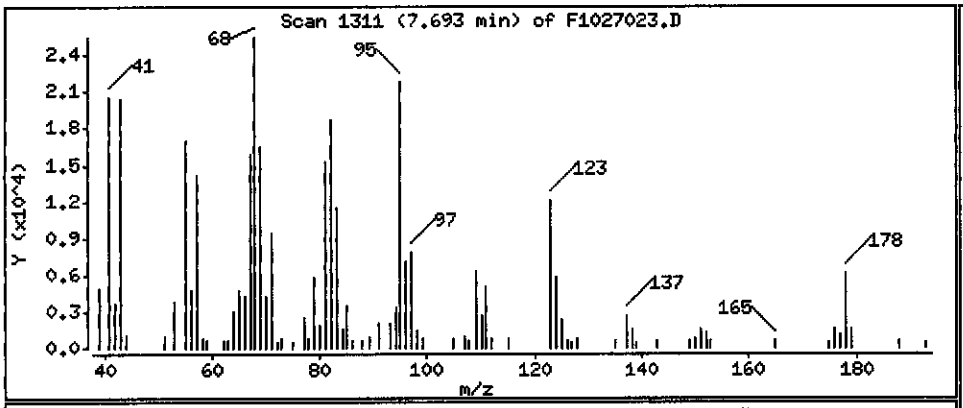
Operator: 007062

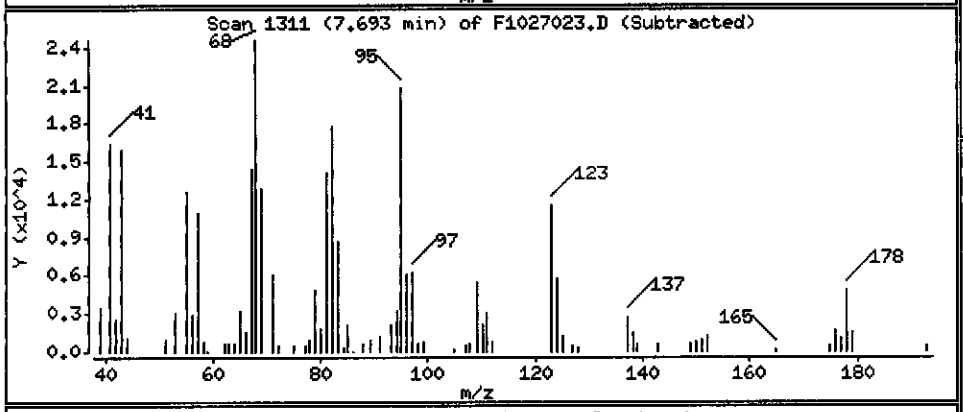
Column phase: Hp5-MS

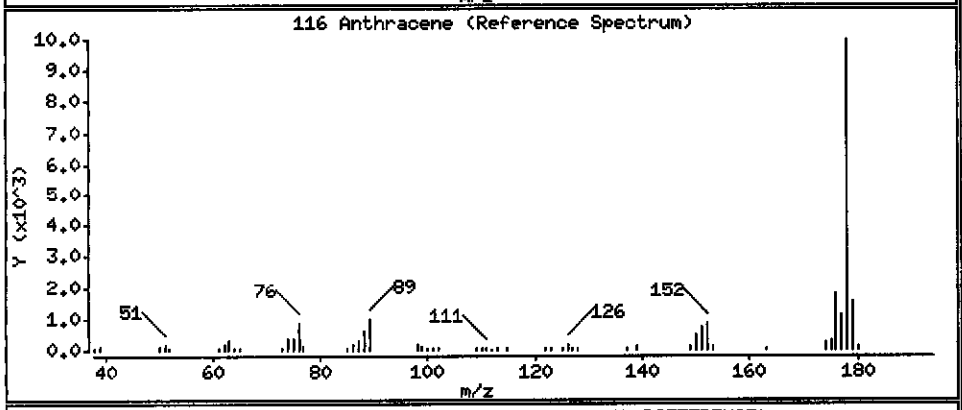
Column diameter: 0.25

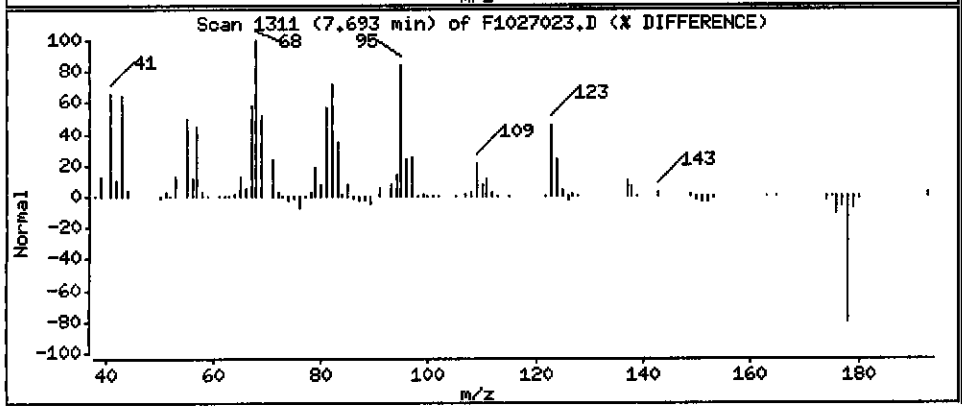
116 Anthracene

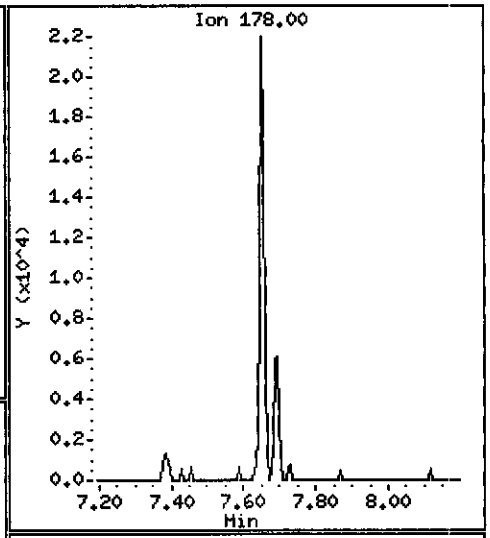
Concentration: 1.1578 ug/kg

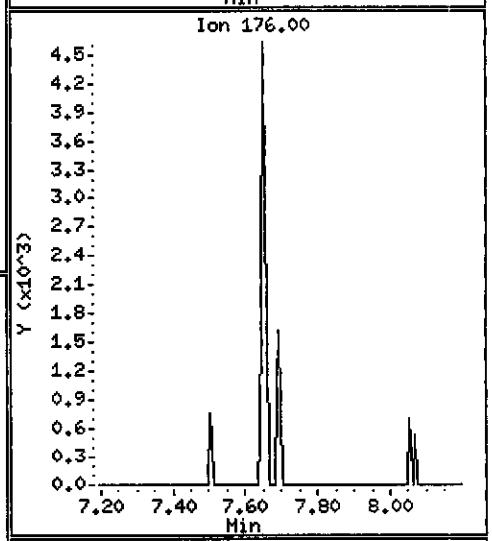


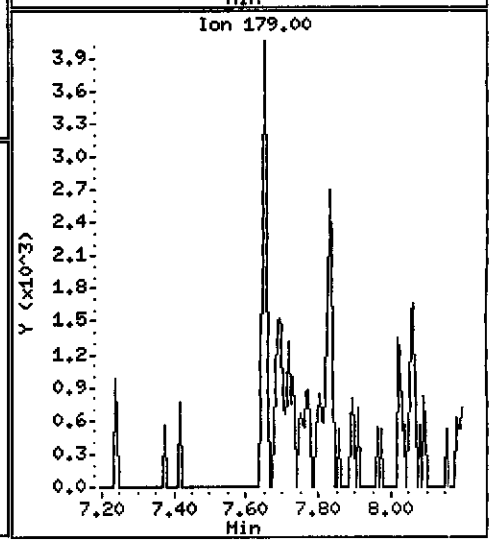












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027023.D

Date : 27-OCT-2010 07:55

Client ID: SD10-31

Instrument: 722.i

Sample Info: C0J210496-004 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

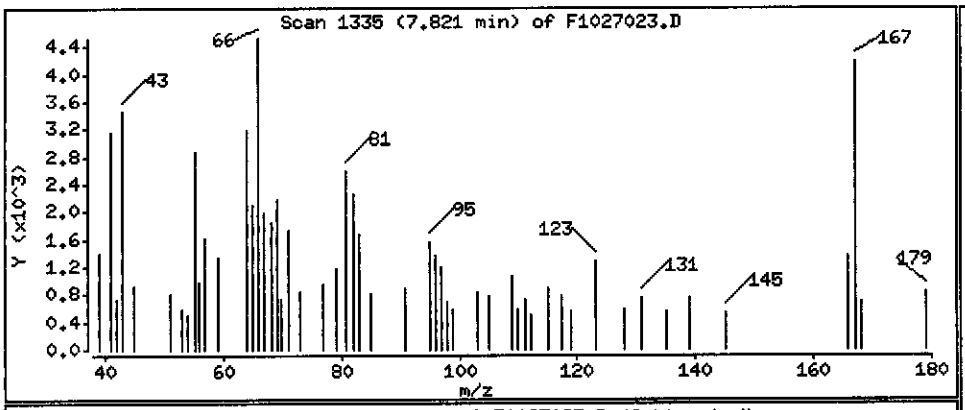
Operator: 007062

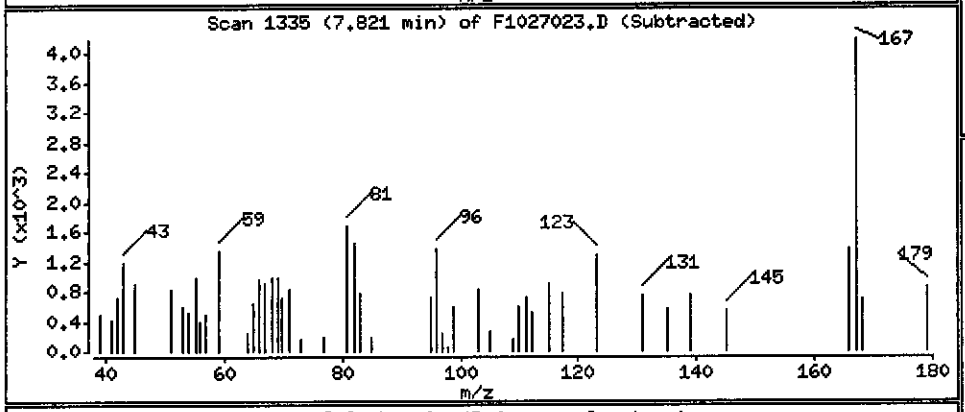
Column phase: Hp5-MS

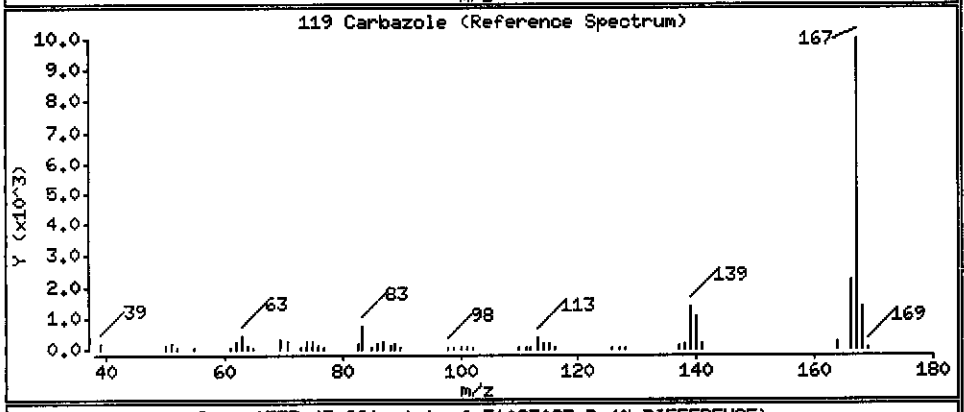
Column diameter: 0.25

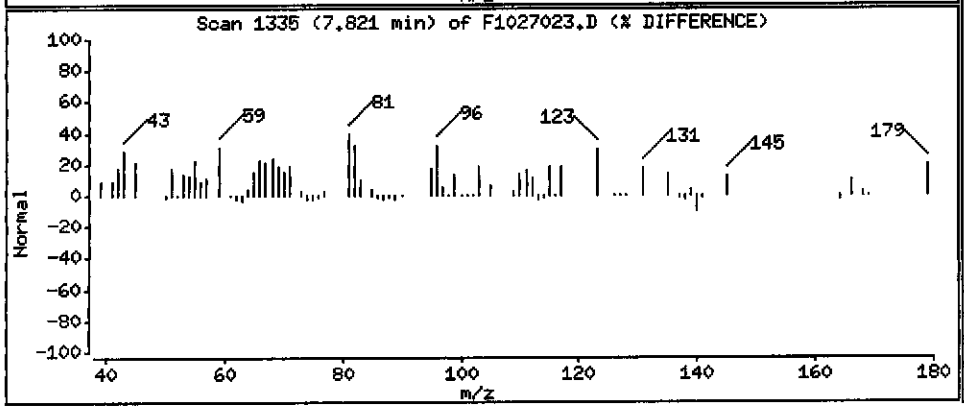
119 Carbazole

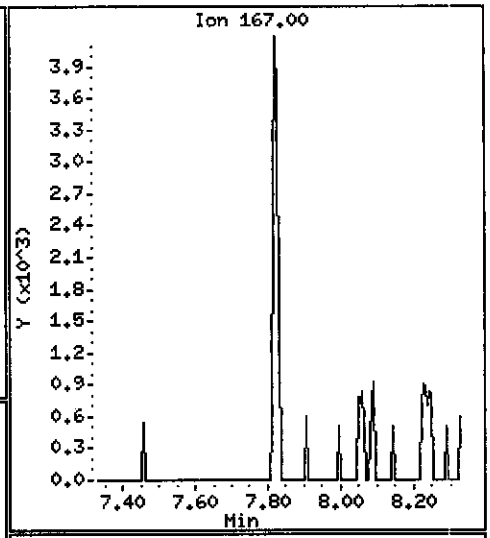
Concentration: 0.87309 ug/kg

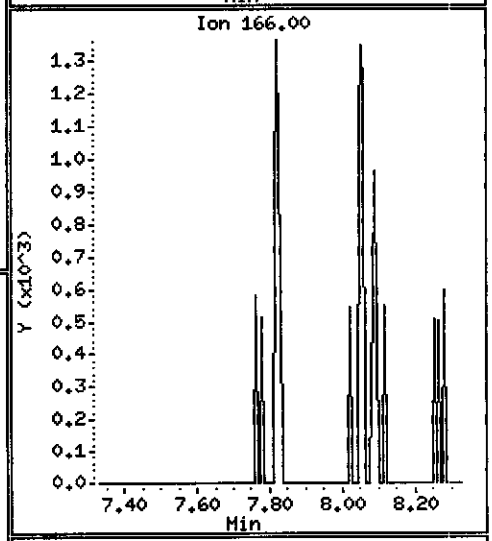


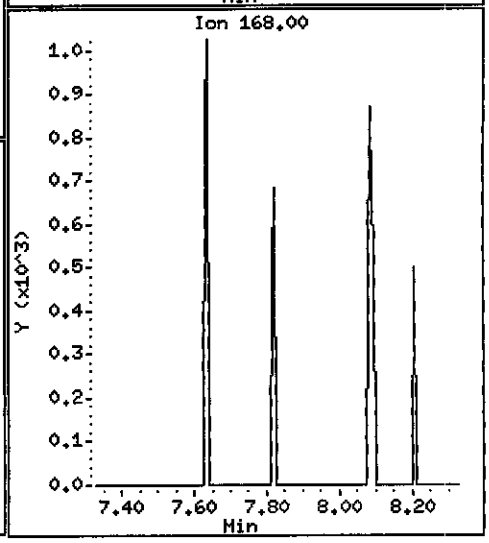












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027023.D

Date : 27-OCT-2010 07:55

Client ID: SD10-31

Instrument: 722.i

Sample Info: C0J210496-004 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

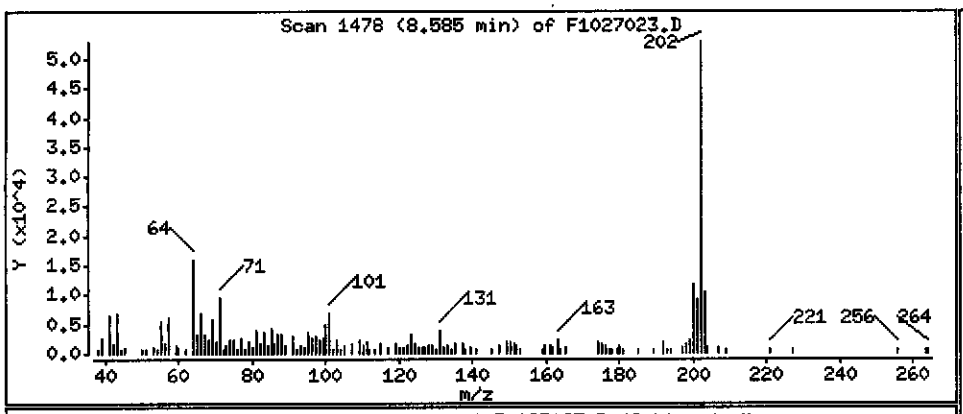
Operator: 007062

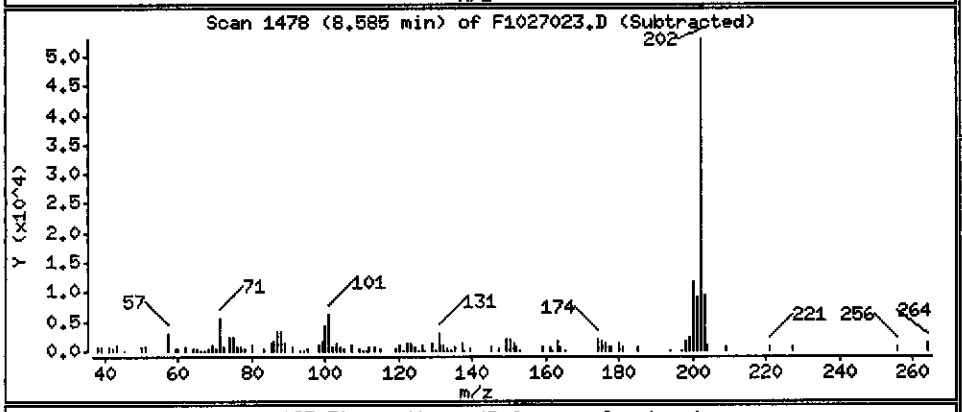
Column phase: Hp5-MS

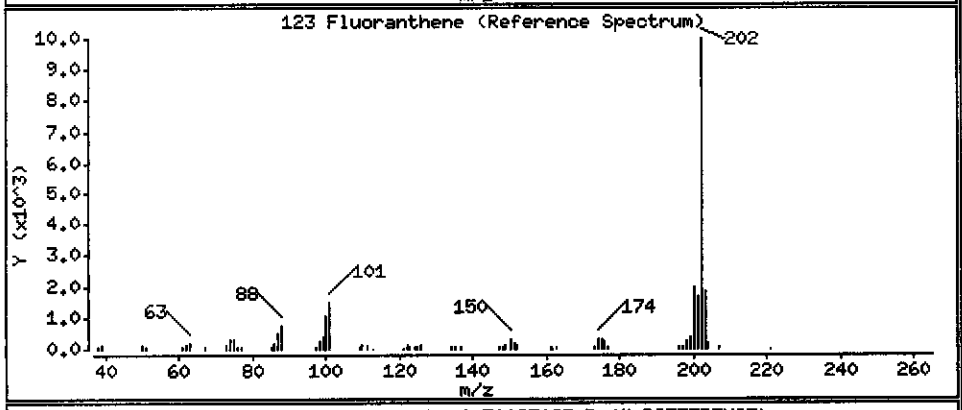
Column diameter: 0.25

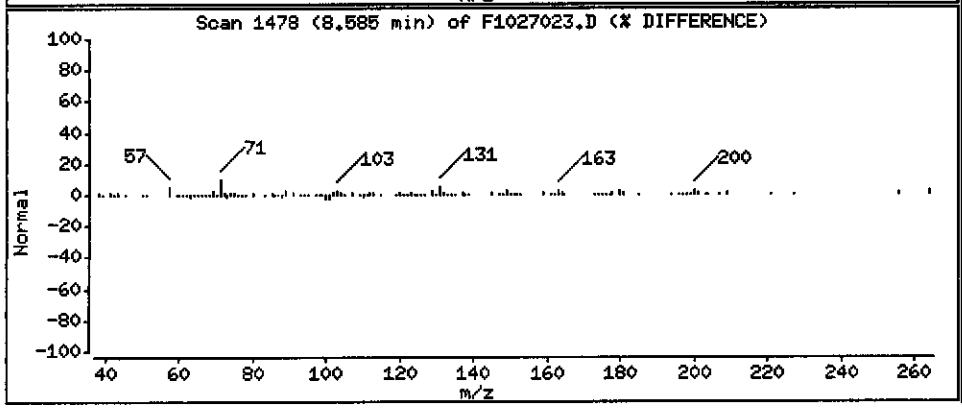
123 Fluoranthene

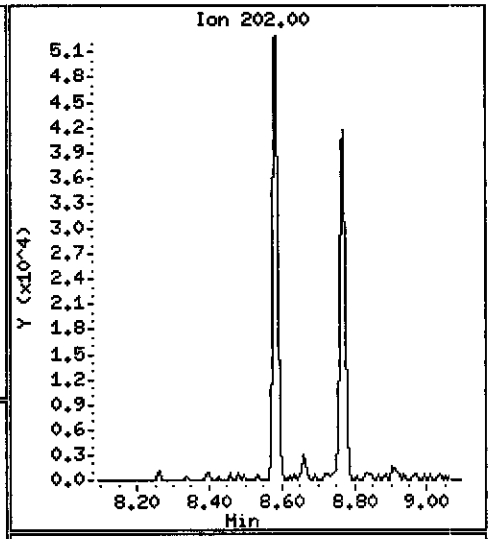
Concentration: 10.042 ug/kg

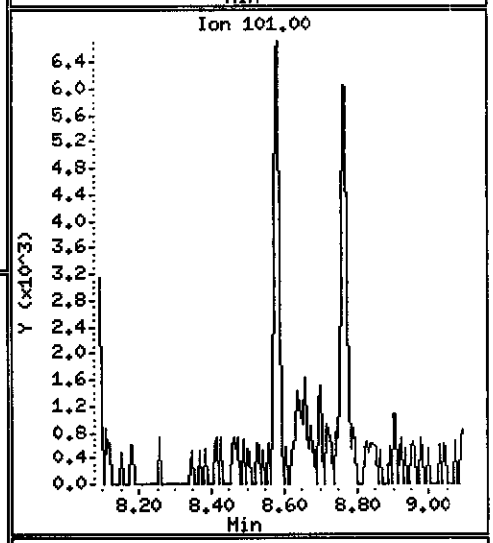


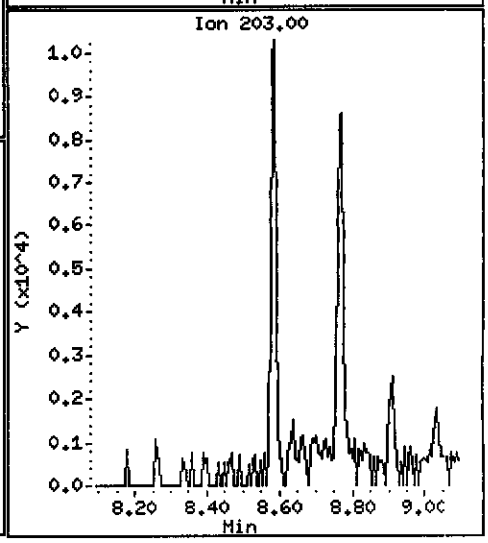












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027023.D

Date : 27-OCT-2010 07:55

Client ID: SD10-31

Instrument: 722.i

Sample Info: C0J210496-004 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

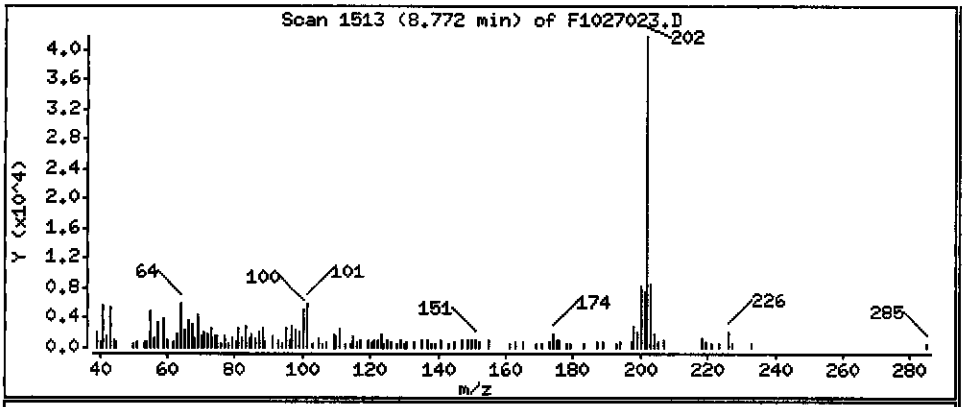
Operator: 007062

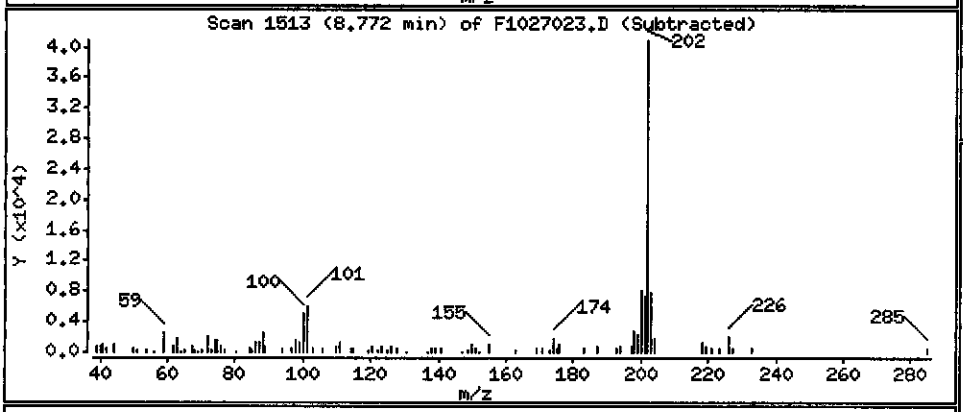
Column phase: Hp5-MS

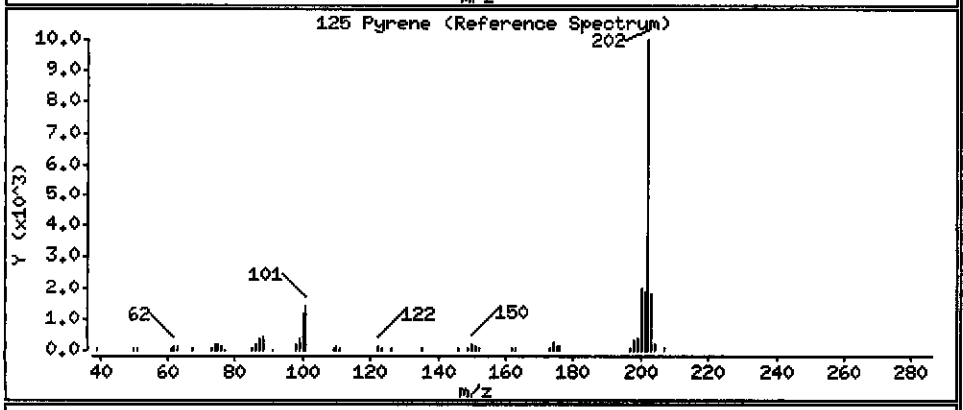
Column diameter: 0.25

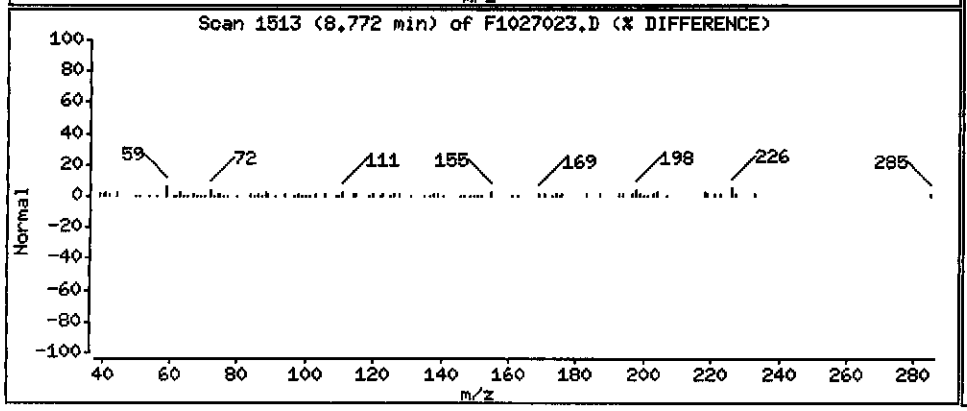
125 Pyrene

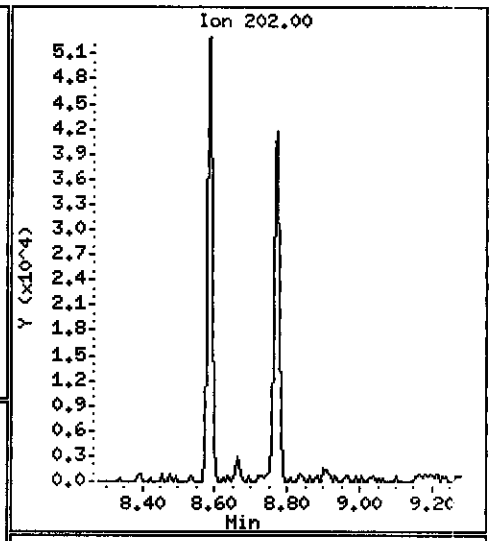
Concentration: 6.8144 ug/kg

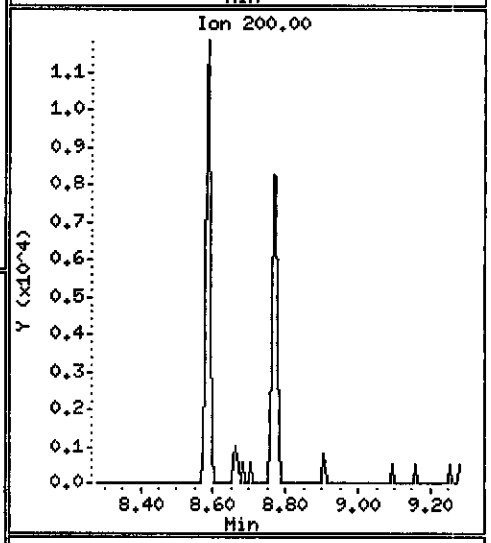


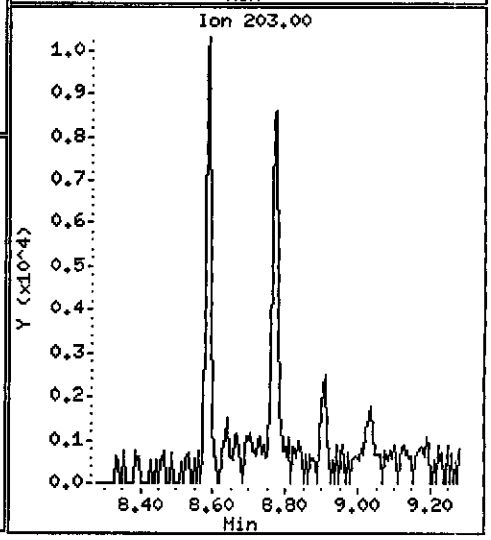












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027023.D

Date : 27-OCT-2010 07:55

Client ID: SD10-31

Instrument: 722.i

Sample Info: C0J210496-004 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

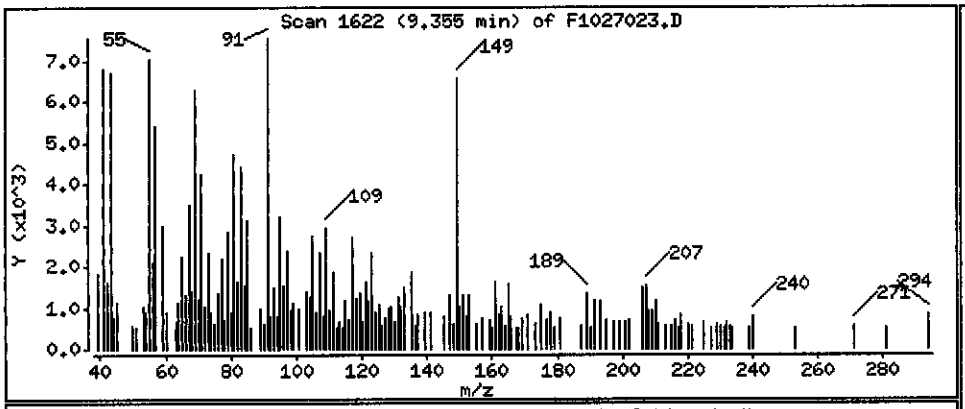
Operator: 007062

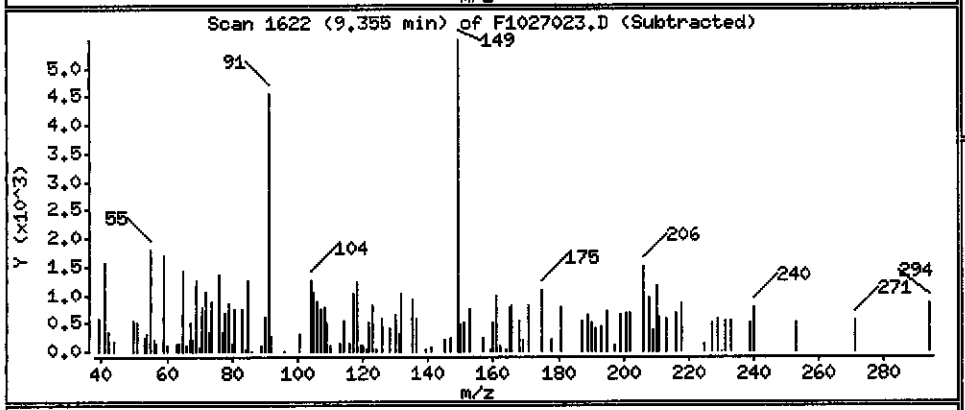
Column phase: Hp5-MS

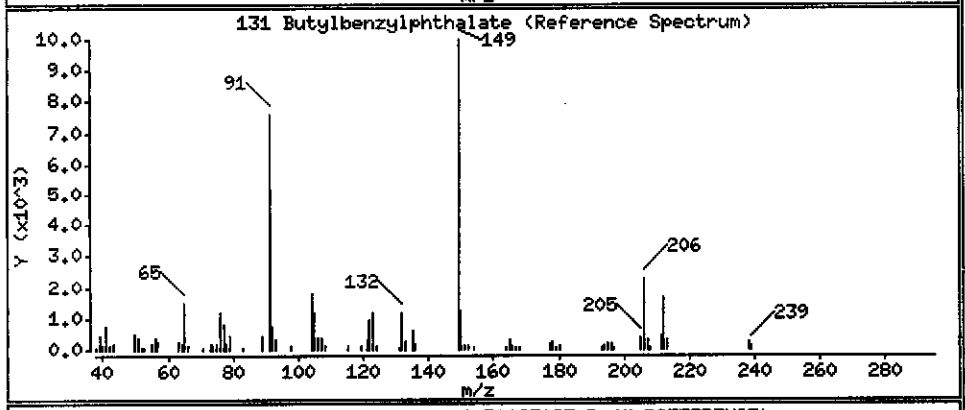
Column diameter: 0.25

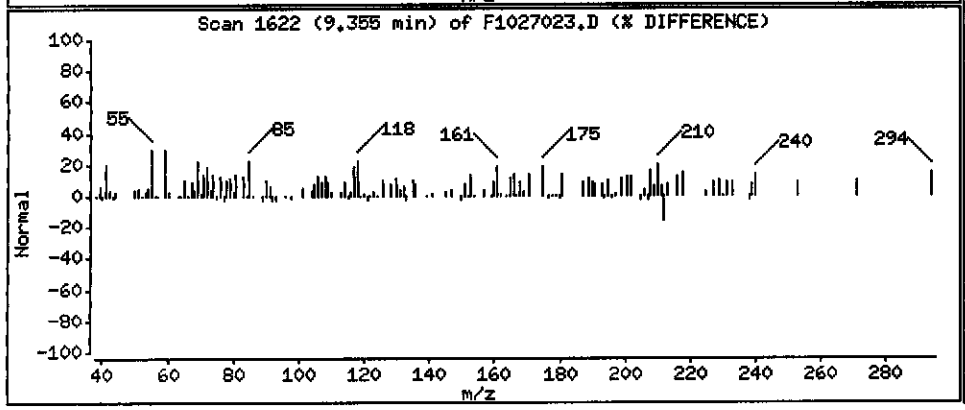
131 Butylbenzylphthalate

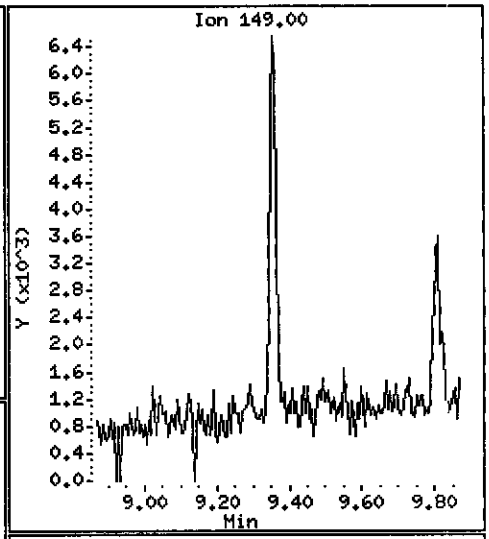
Concentration: 2.2396 ug/kg

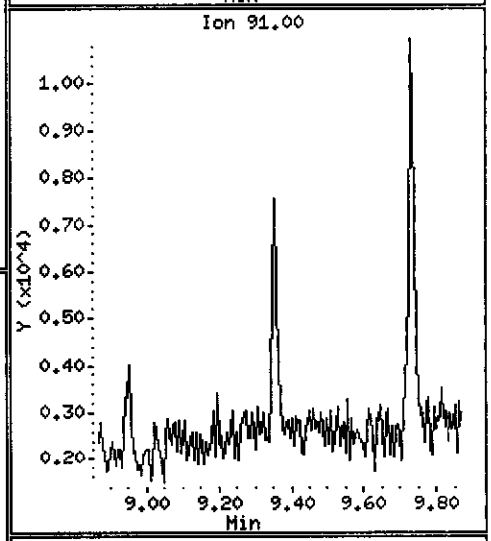


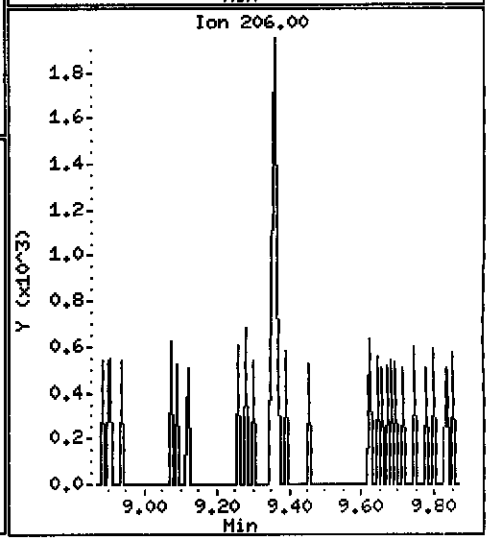












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027023.D

Date : 27-OCT-2010 07:55

Client ID: SD10-31

Instrument: 722.i

Sample Info: C0J210496-004 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

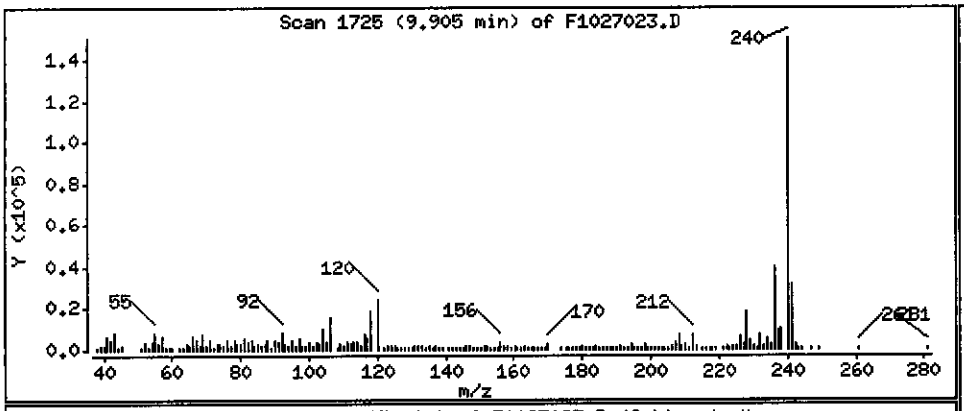
Operator: 007062

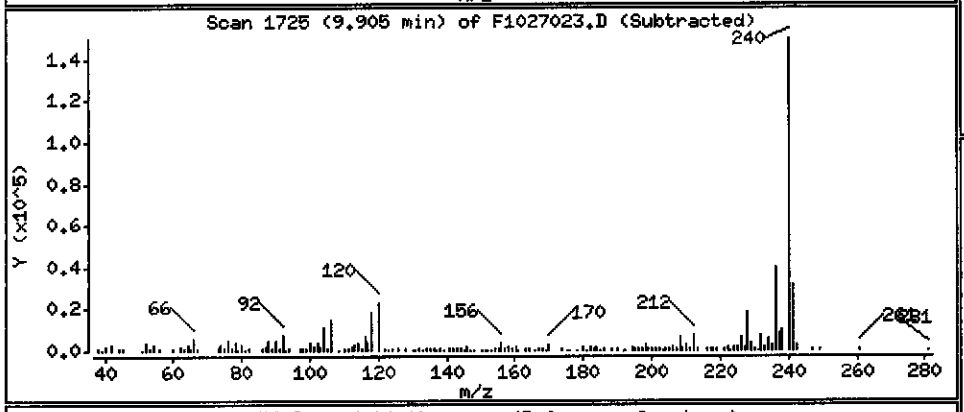
Column phase: Hp5-MS

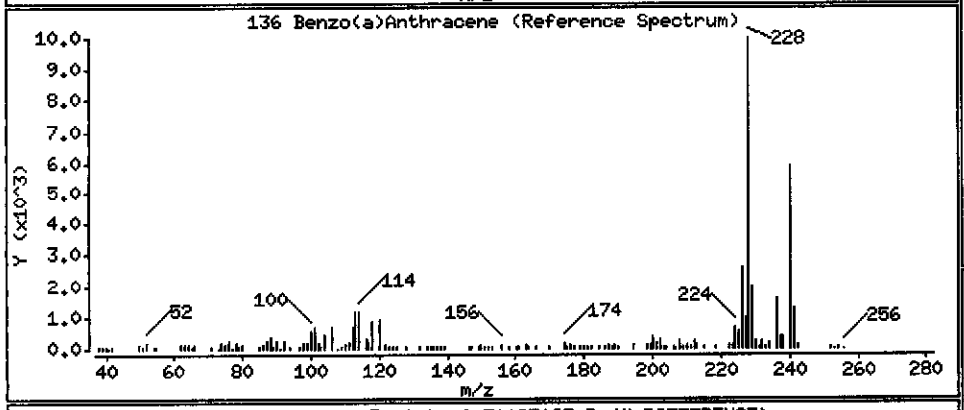
Column diameter: 0.25

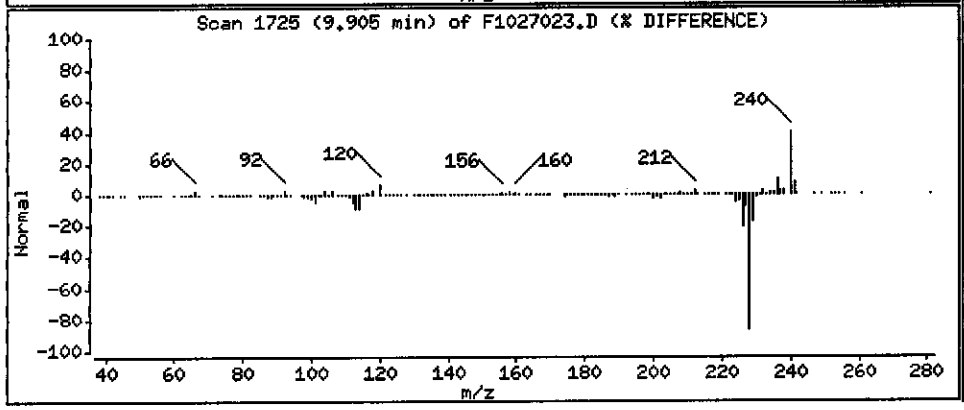
136 Benzo(a)Anthracene

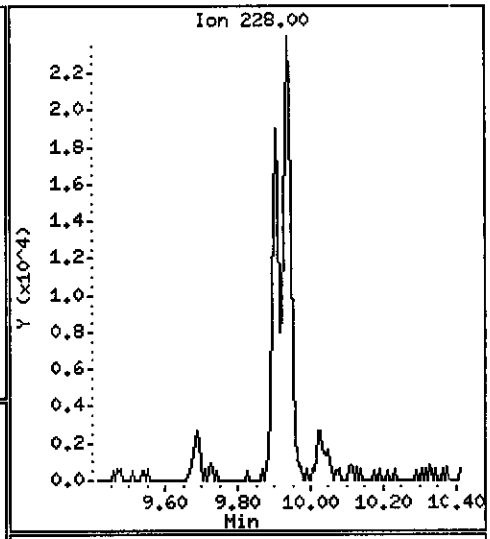
Concentration: 4.0450 ug/kg

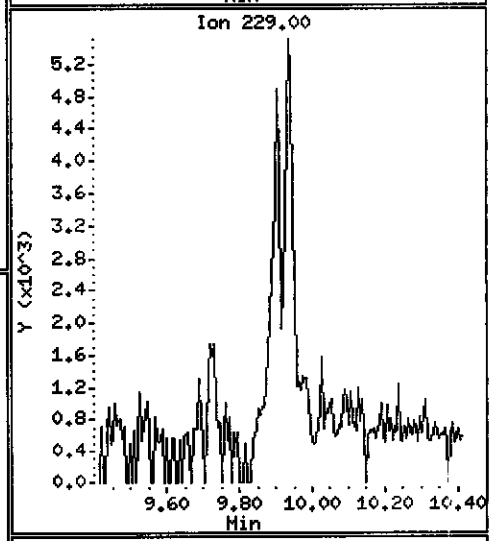


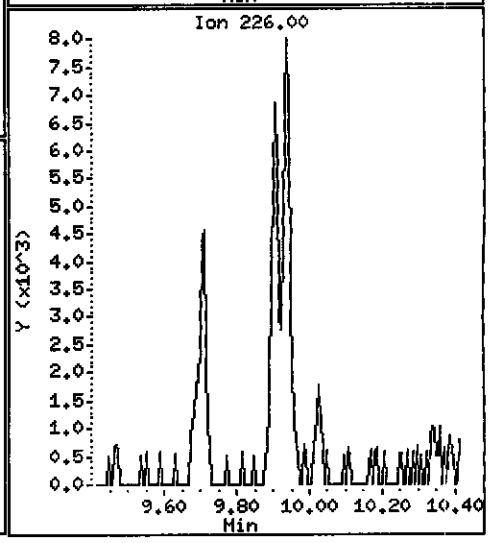












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027023.D

Date : 27-OCT-2010 07:55

Client ID: SD10-31

Instrument: 722.i

Sample Info: C0J210496-004 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

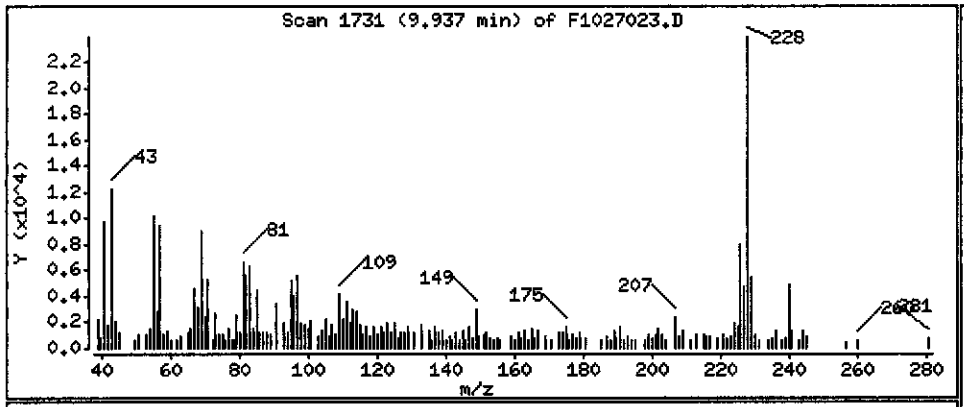
Operator: 007062

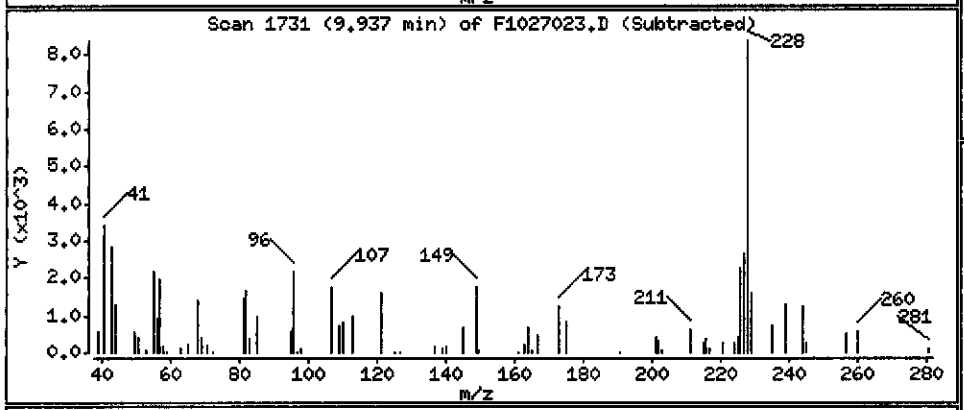
Column phase: Hp5-MS

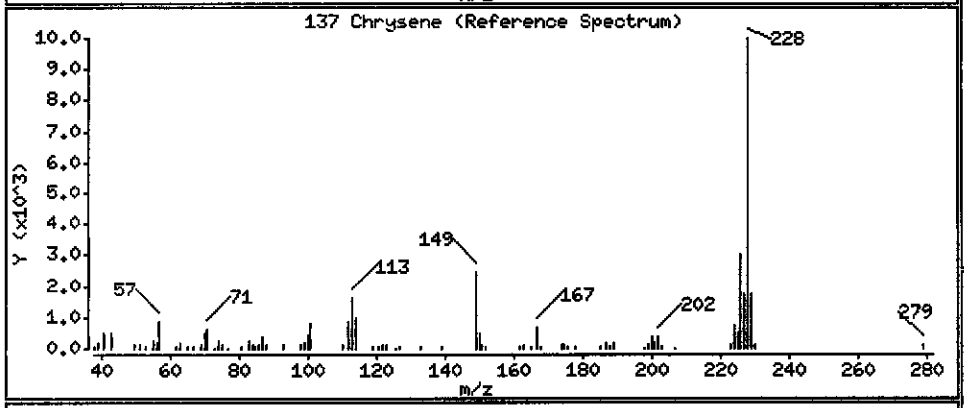
Column diameter: 0.25

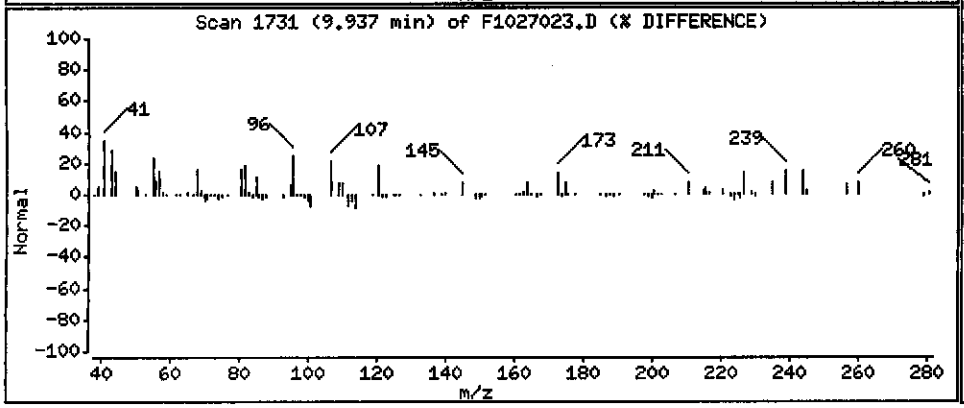
137 Chrysene

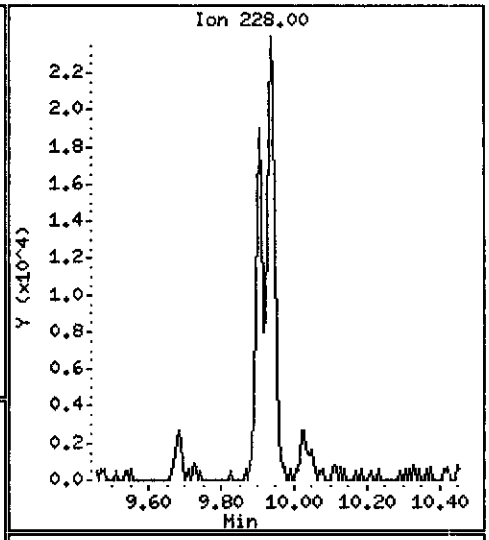
Concentration: 6.9799 ug/kg

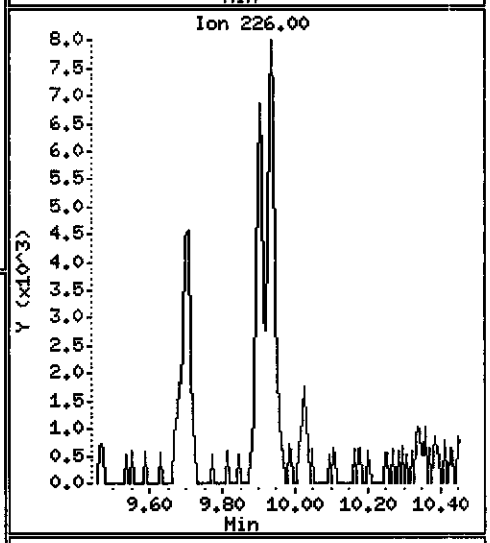


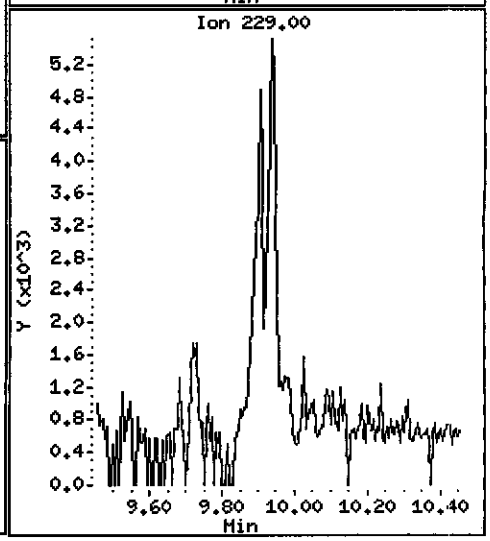












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027023.D

Date : 27-OCT-2010 07:55

Client ID: SD10-31

Instrument: 722.i

Sample Info: C0J210496-004 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

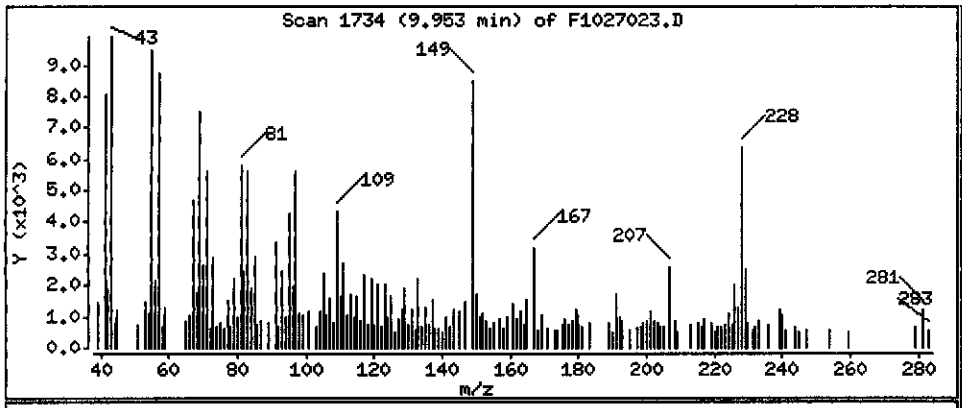
Operator: 007062

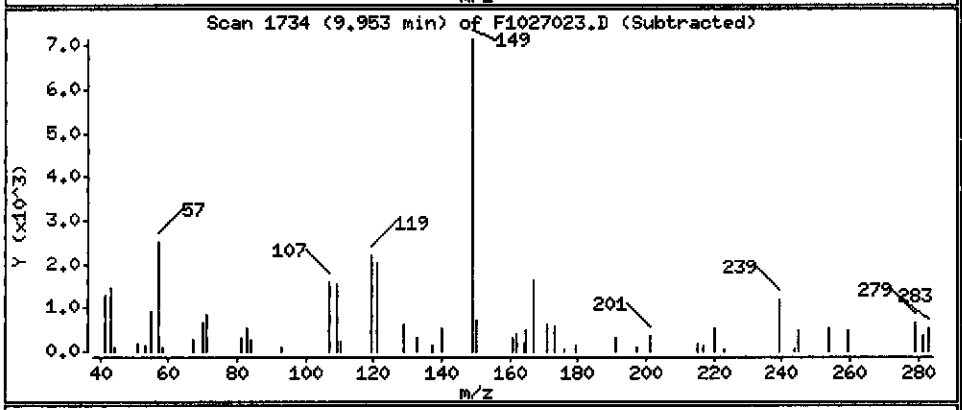
Column phase: Hp5-MS

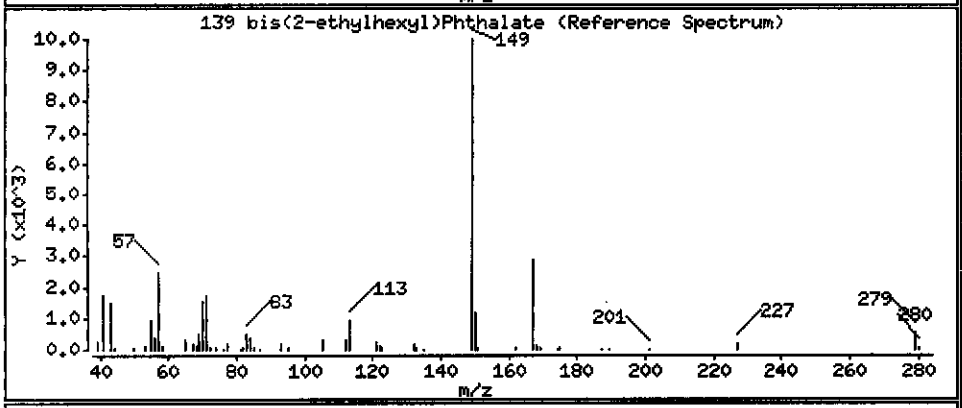
Column diameter: 0.25

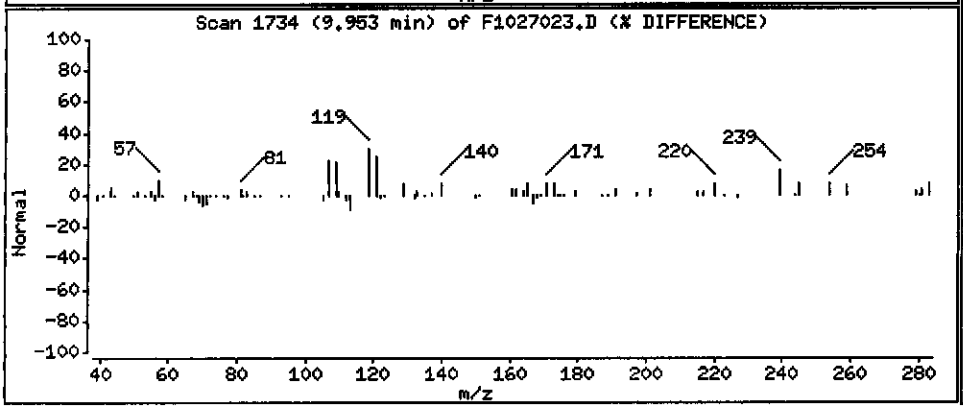
139 bis(2-ethylhexyl)Phthalate

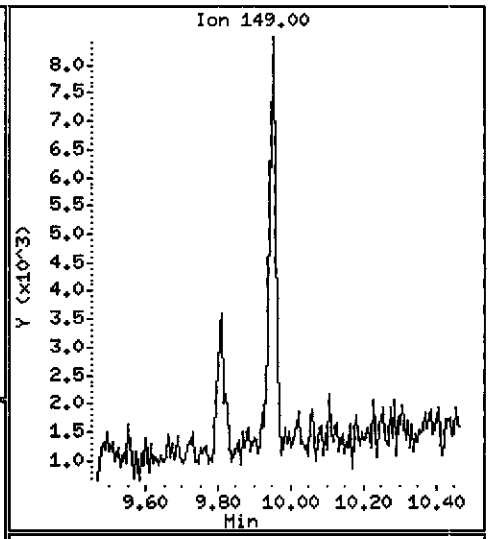
Concentration: 2.1020 ug/kg

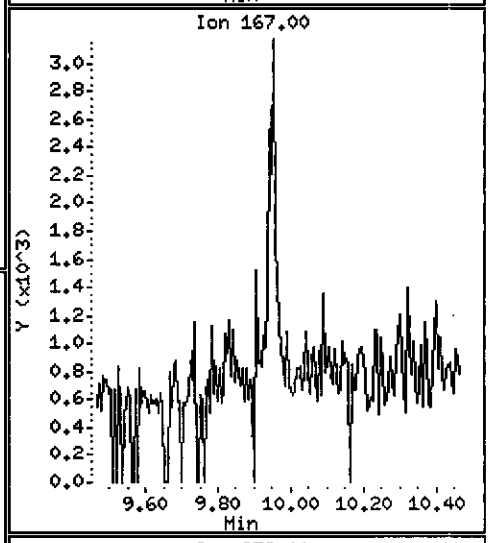


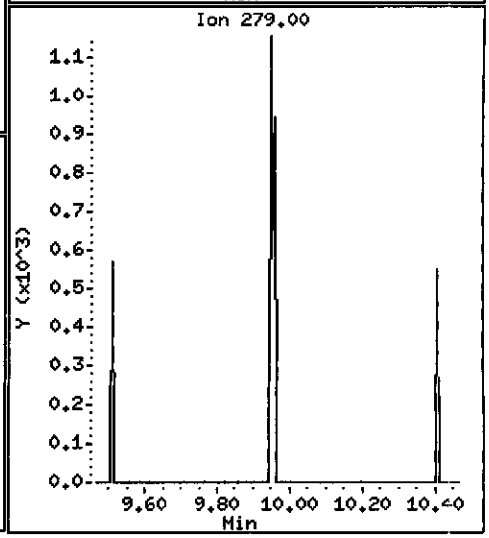












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027023.D

Date : 27-OCT-2010 07:55

Client ID: SD10-31

Instrument: 722.i

Sample Info: C0J210496-004 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

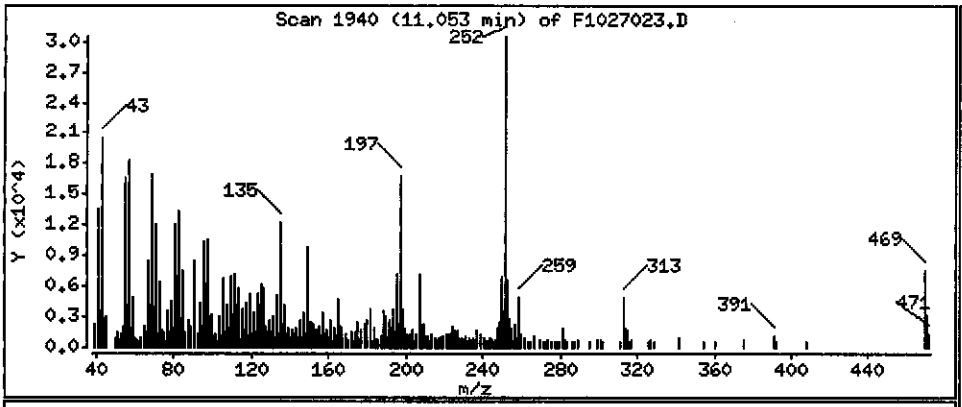
Operator: 007062

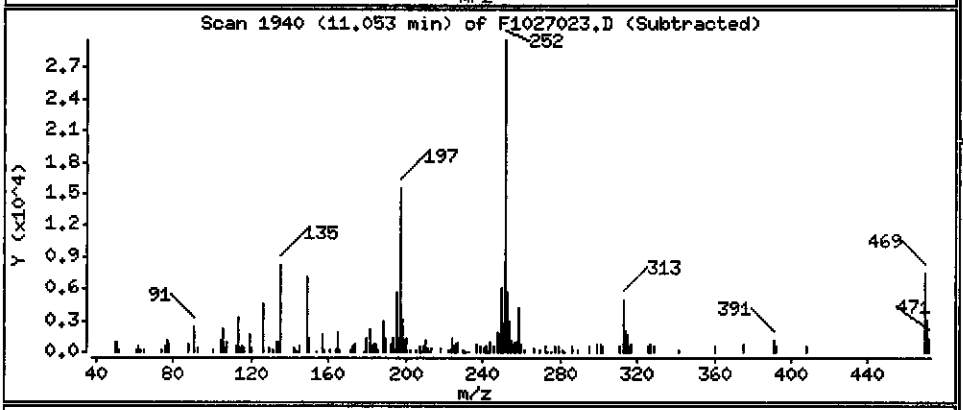
Column phase: Hp5-MS

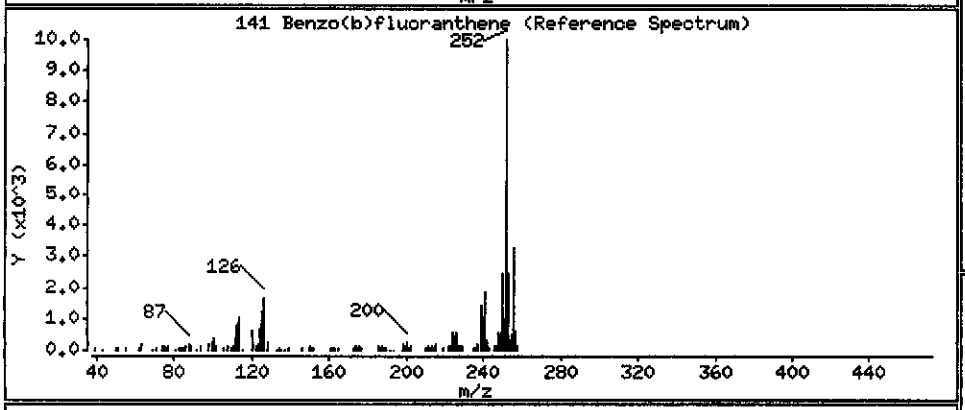
Column diameter: 0.25

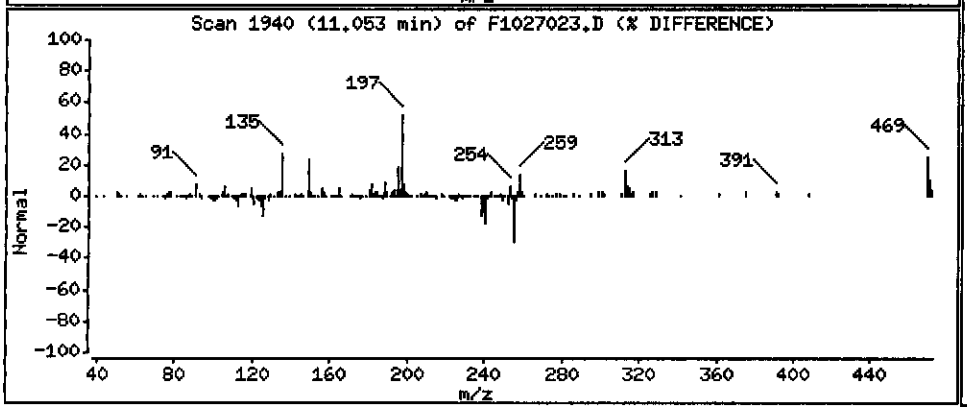
141 Benzo(b)fluoranthene

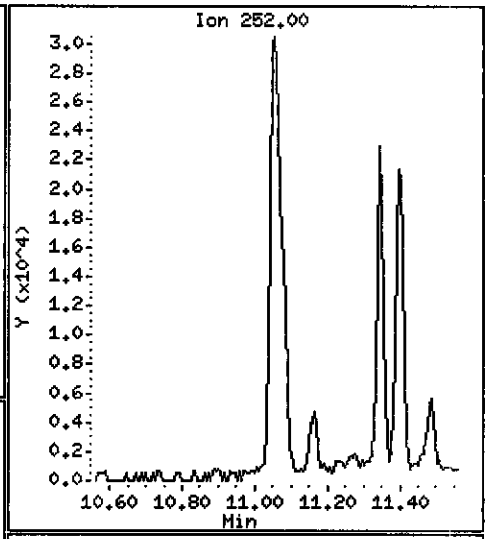
Concentration: 9.0647 ug/kg

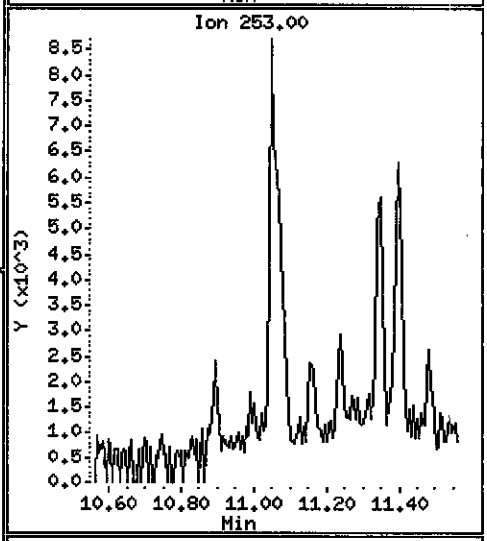


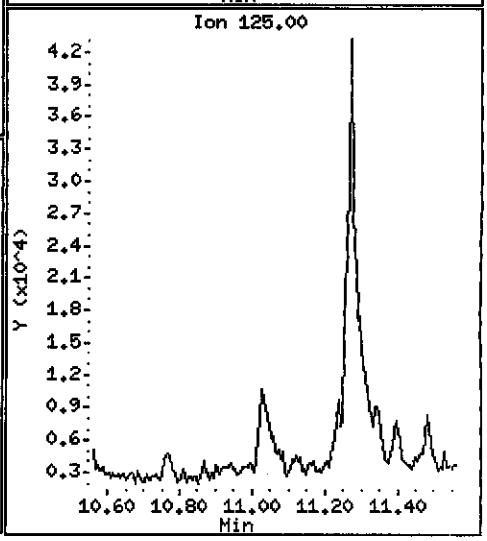












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027023.D

Date : 27-OCT-2010 07:55

Client ID: SD10-31

Instrument: 722.i

Sample Info: C0J210496-004 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

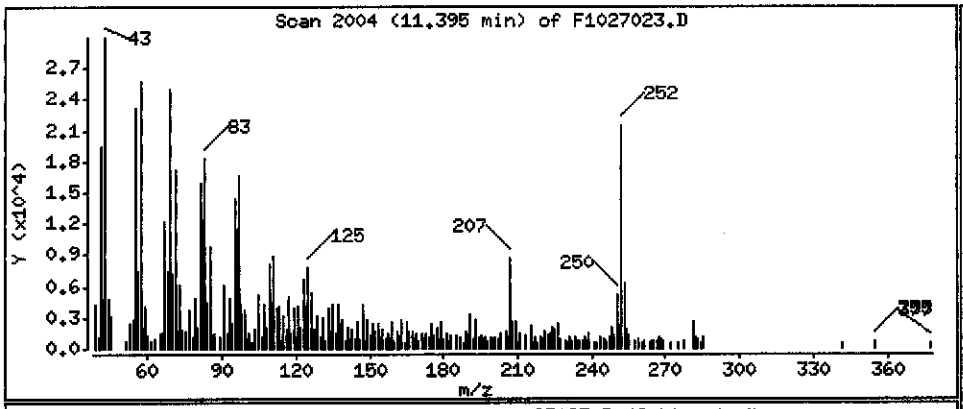
Operator: 007062

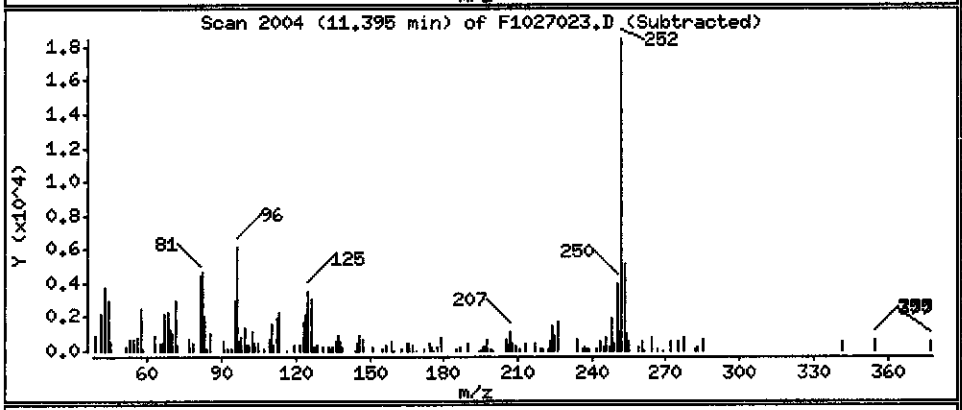
Column phase: Hp5-MS

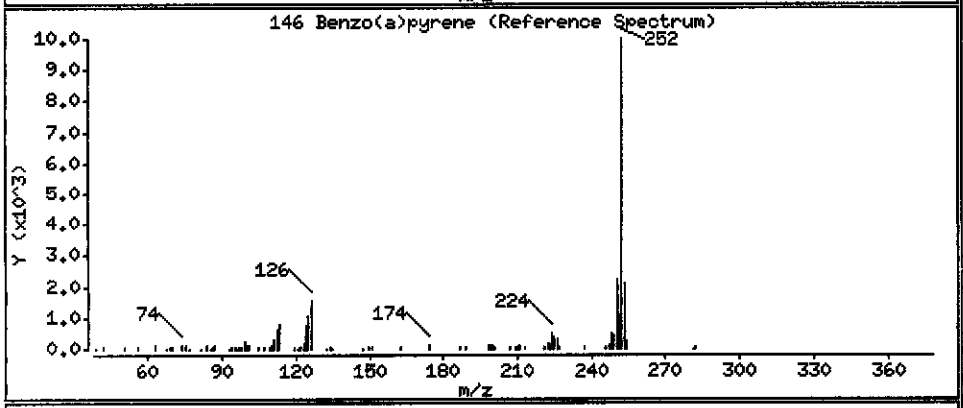
Column diameter: 0.25

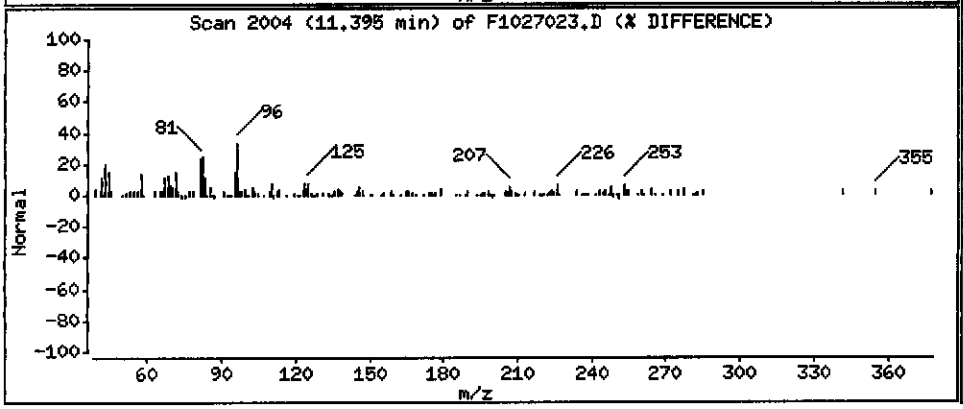
146 Benzo(a)pyrene

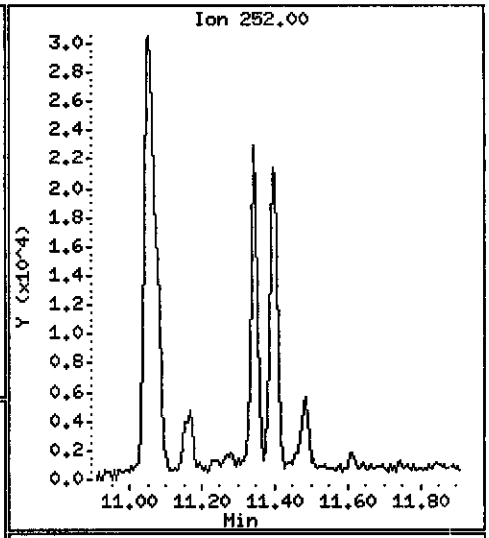
Concentration: 5.5434 ug/kg

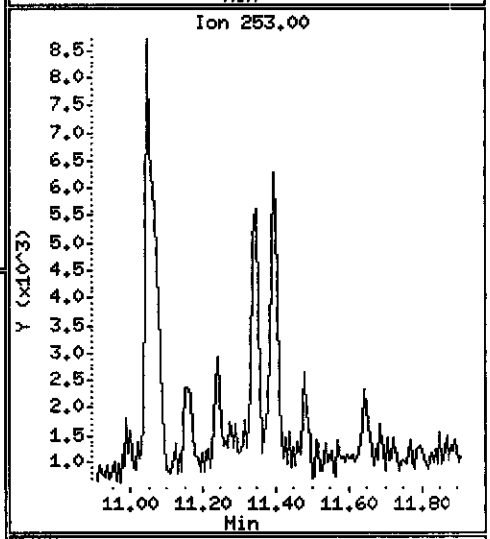


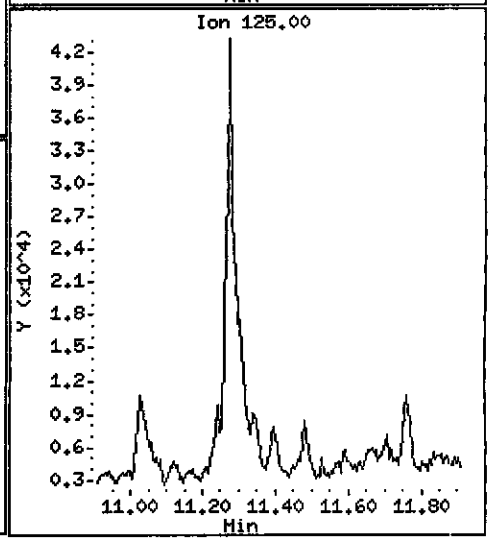












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027023.D

Date : 27-OCT-2010 07:55

Client ID: SD10-31

Instrument: 722.i

Sample Info: C0J210496-004 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

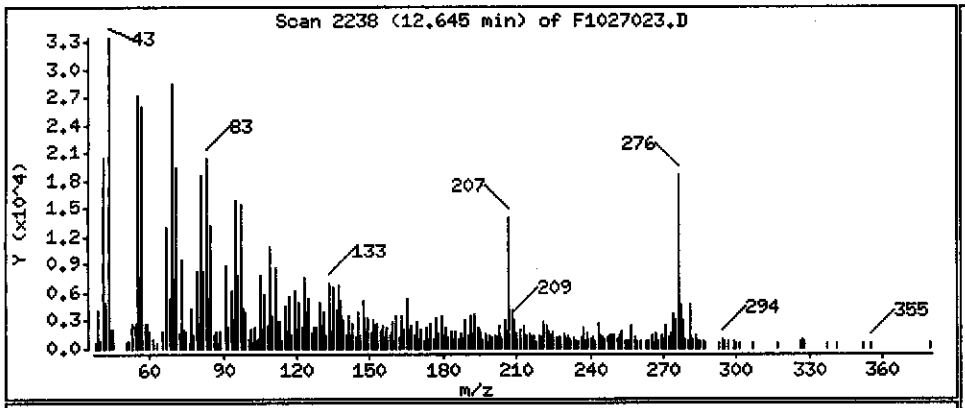
Operator: 007062

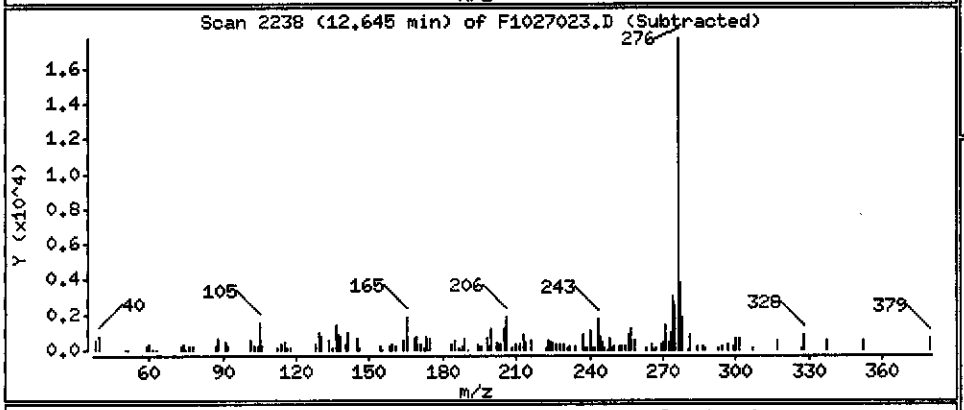
Column phase: Hp5-MS

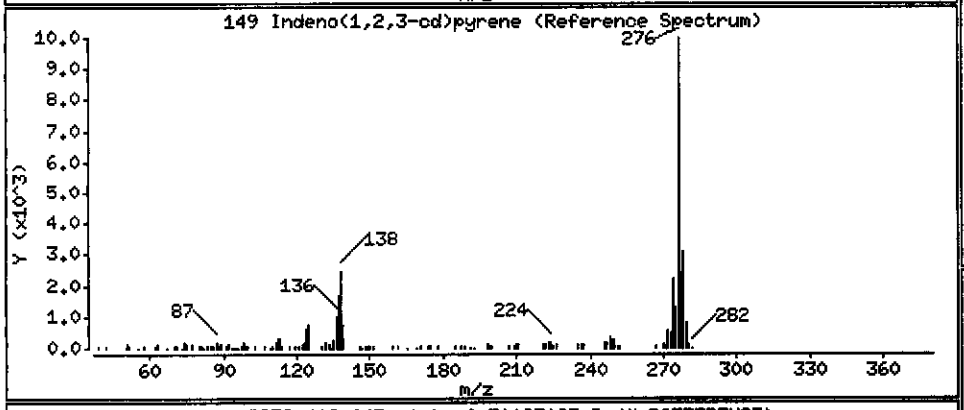
Column diameter: 0.25

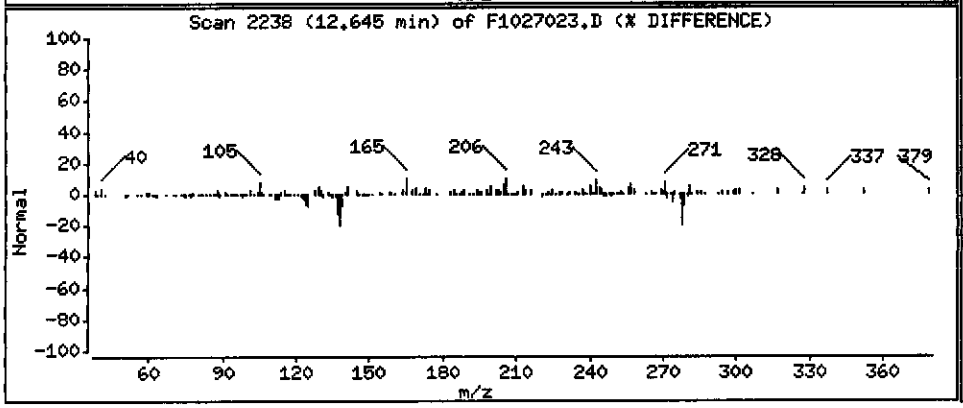
149 Indeno(1,2,3-cd)pyrene

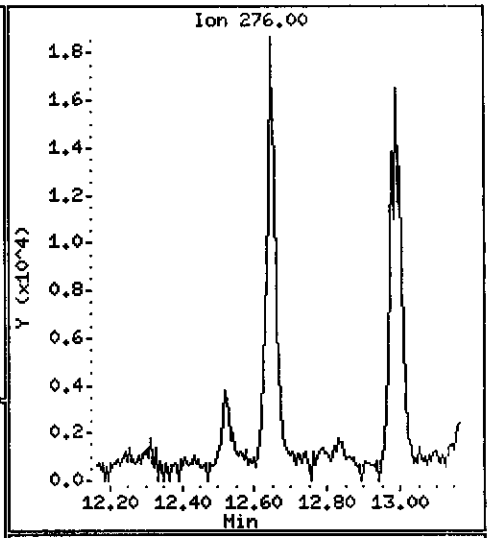
Concentration: 4.4307 ug/kg

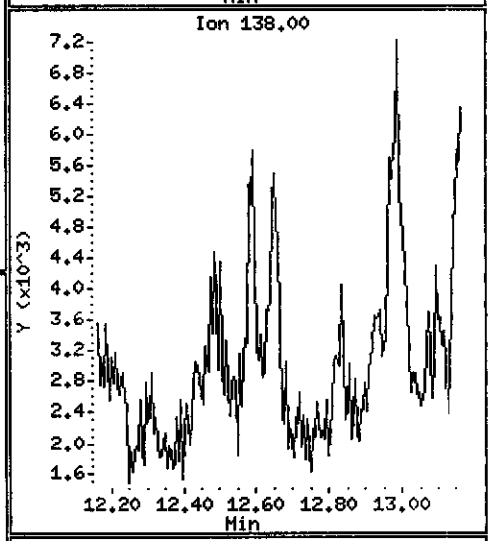


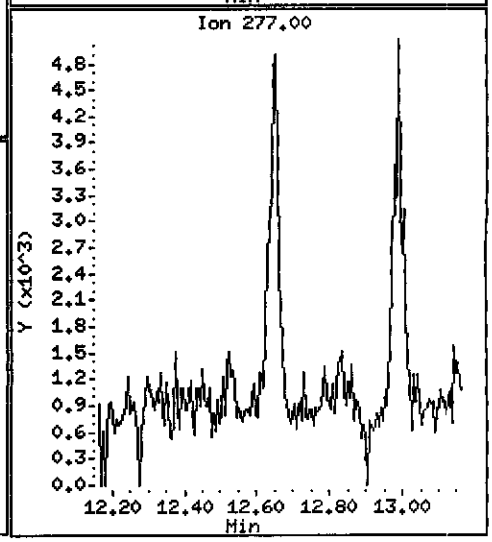












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027023.D

Date : 27-OCT-2010 07:55

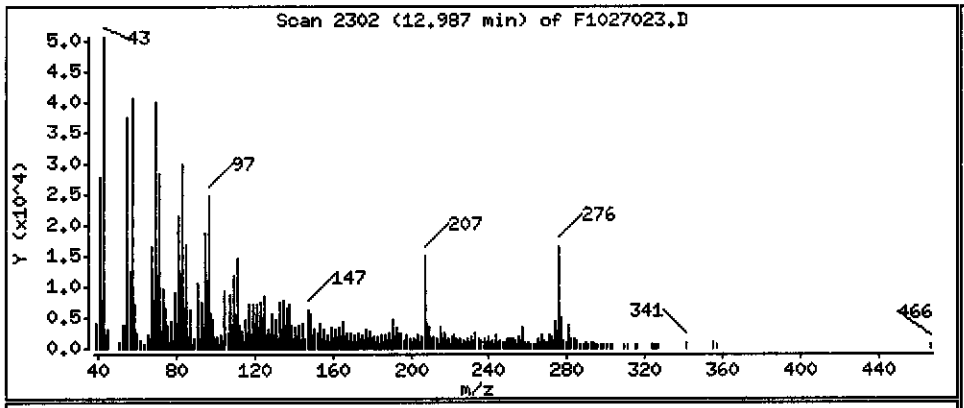
Client ID: SD10-31 Instrument: 722.i

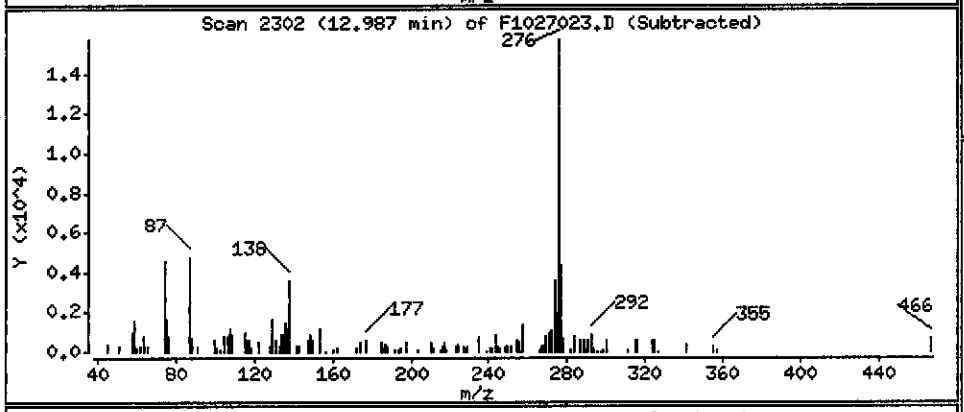
Sample Info: C0J210496-004 x5 10/26/10 Soil (0299052)

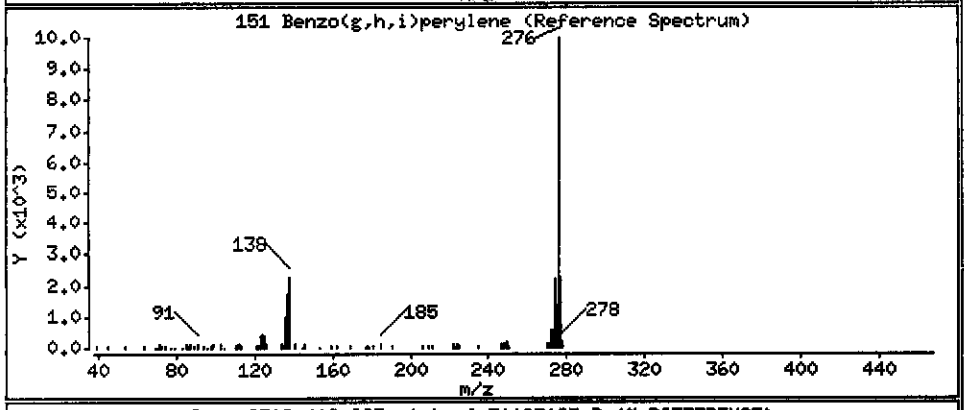
Volume Injected (uL): 2.0 Operator: 007062

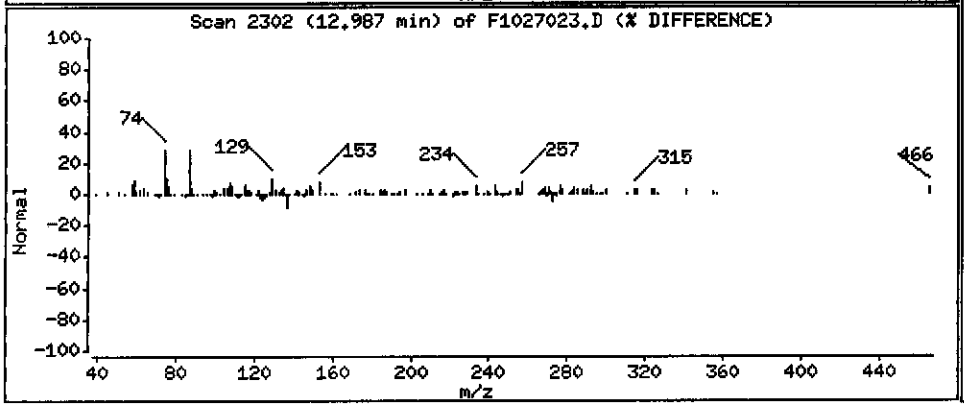
Column phase: Hp5-MS Column diameter: 0.25

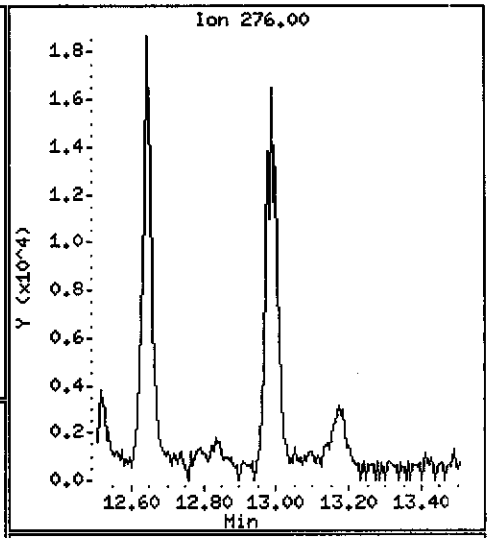
151 Benzo(g,h,i)perylene Concentration: 5.9789 ug/kg

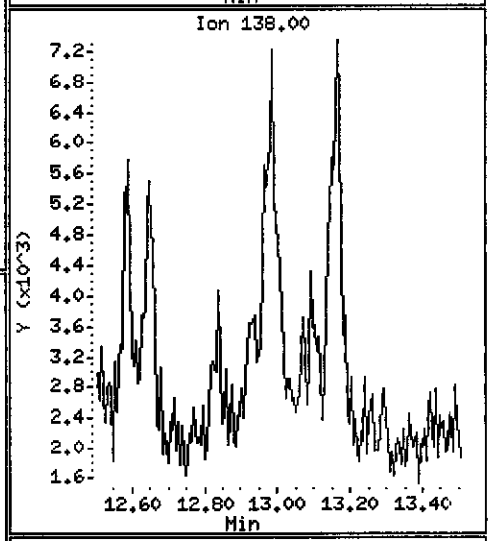


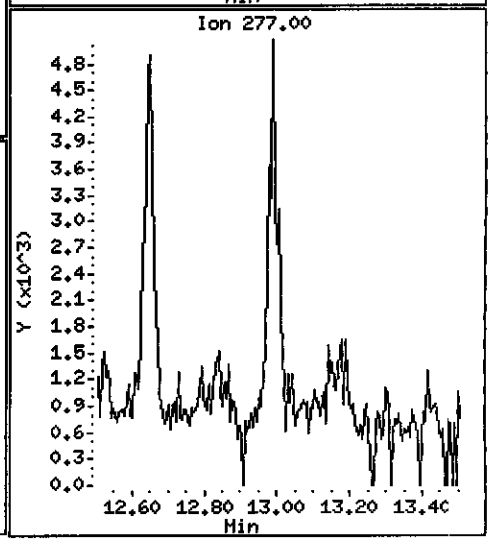




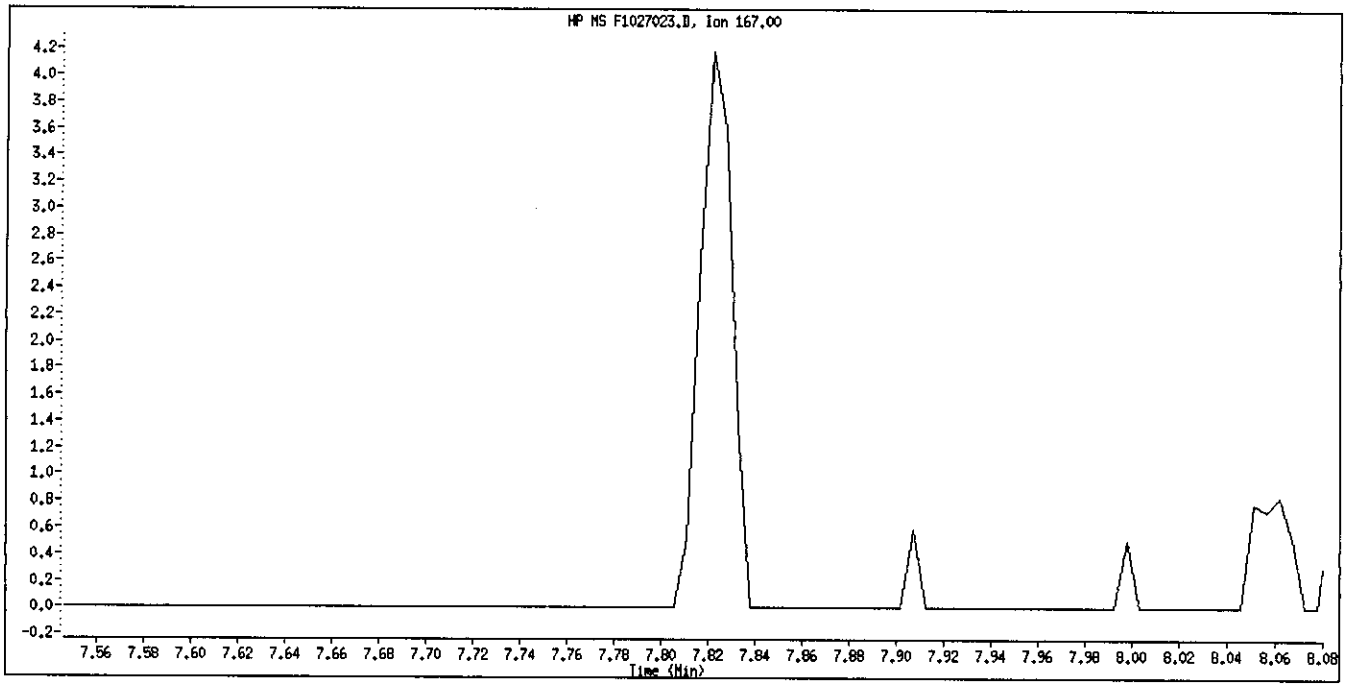




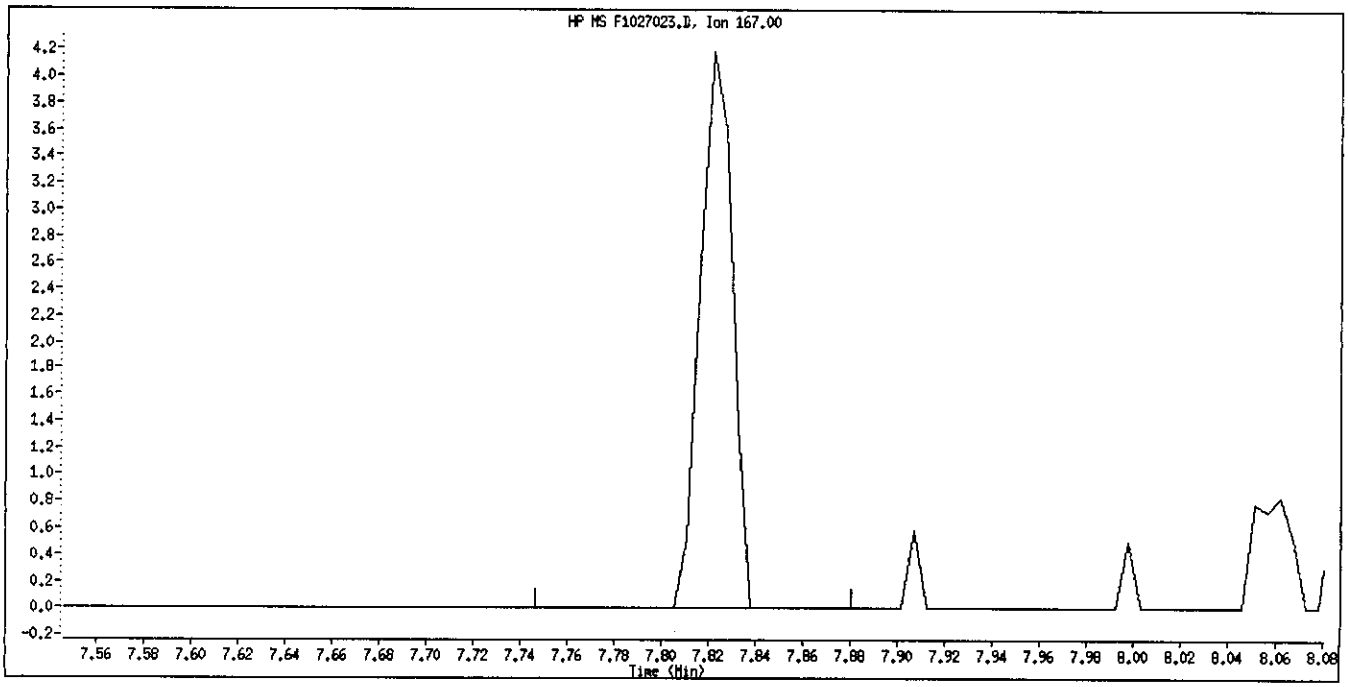




Data File Name: F1027023.D
Inj. Date and Time: 27-OCT-2010 07:55
Instrument ID: 722.i
Client ID: SD10-31
Compound Name: Carbazole
CAS #: 86-74-8



Original Integration



Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

Leo Brausch Consulting

Client Sample ID: SD10-32

GC/MS Semivolatiles

Lot-Sample #...:	C0J210496-005	**Work Order #...:**	L8VLH1AK	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10 16:00	**Date Received..:**	10/21/10 10:00	**MS Run #.....:**	0299018
Prep Date.....:	10/26/10	**Analysis Date..:**	10/27/10		
Prep Batch #...:	0299052	**Analysis Time..:**	08:15		
Dilution Factor:	2.5	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	63	**Analyst ID.....:**	007062	**Instrument ID..:**	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	45	ug/kg	4.3
Acenaphthylene	**37 J**	**45**	**ug/kg**	**5.2**
Acetophenone	ND	220	ug/kg	18
Anthracene	**32 J**	**45**	**ug/kg**	**4.4**
Atrazine	ND	220	ug/kg	22
Benzo(a)anthracene	**100**	**45**	**ug/kg**	**5.6**
Benzo(a)pyrene	**120**	**45**	**ug/kg**	**4.5**
Benzo(b)fluoranthene	**220**	**45**	**ug/kg**	**7.1**
Benzo(ghi)perylene	**98**	**45**	**ug/kg**	**4.5**
Benzo(k)fluoranthene	ND	45	ug/kg	9.1
Benzaldehyde	**110 J**	**220**	**ug/kg**	**34**
1,1'-Biphenyl	ND	220	ug/kg	21
bis(2-Chloroethoxy) methane	ND	220	ug/kg	15
bis(2-Chloroethyl)-ether	ND	45	ug/kg	6.0
bis(2-Ethylhexyl) phthalate	ND	220	ug/kg	36
4-Bromophenyl phenyl ether	ND	220	ug/kg	20
Butyl benzyl phthalate	**31 J**	**220**	**ug/kg**	**31**
Caprolactam	ND	1100	ug/kg	170
Carbazole	ND	45	ug/kg	4.1
4-Chloroaniline	ND	220	ug/kg	18
4-Chloro-3-methylphenol	ND	220	ug/kg	21
2-Chloronaphthalene	ND	45	ug/kg	4.7
2-Chlorophenol	ND	220	ug/kg	18
4-Chlorophenyl phenyl ether	ND	220	ug/kg	25
Chrysene	**150**	**45**	**ug/kg**	**5.4**
Dibenz(a,h)anthracene	**19 J**	**45**	**ug/kg**	**5.0**
Dibenzofuran	ND	220	ug/kg	22
3,3'-Dichlorobenzidine	ND	220	ug/kg	24
2,4-Dichlorophenol	ND	45	ug/kg	4.5
Diethyl phthalate	ND	220	ug/kg	25
2,4-Dimethylphenol	ND	220	ug/kg	35
Dimethyl phthalate	ND	220	ug/kg	25

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: SD10-32

GC/MS Semivolatiles

Lot-Sample #...: C0J210496-005 Work Order #...: L8VLH1AK Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	220	ug/kg	28
4,6-Dinitro-2-methylphenol	ND	1100	ug/kg	90
2,4-Dinitrophenol	ND	1100	ug/kg	270
2,4-Dinitrotoluene	ND	220	ug/kg	18
2,6-Dinitrotoluene	ND	220	ug/kg	23
Di-n-octyl phthalate	ND	220	ug/kg	24
Fluoranthene	**230**	**45**	**ug/kg**	**4.8**
Fluorene	ND	45	ug/kg	5.9
Hexachlorobenzene	ND	45	ug/kg	4.8
Hexachlorobutadiene	ND	45	ug/kg	5.0
Hexachlorocyclopentadiene	ND	220	ug/kg	24
Hexachloroethane	ND	220	ug/kg	16
Indeno(1,2,3-cd)pyrene	**83**	**45**	**ug/kg**	**4.6**
Isophorone	ND	220	ug/kg	17
2-Methylnaphthalene	ND	45	ug/kg	4.0
2-Methylphenol	ND	220	ug/kg	16
4-Methylphenol	ND	220	ug/kg	22
Naphthalene	ND	45	ug/kg	3.9
2-Nitroaniline	ND	1100	ug/kg	100
3-Nitroaniline	ND	1100	ug/kg	93
4-Nitroaniline	ND	1100	ug/kg	91
Nitrobenzene	ND	45	ug/kg	19
2-Nitrophenol	ND	220	ug/kg	25
4-Nitrophenol	ND	1100	ug/kg	77
N-Nitrosodi-n-propylamine	ND	45	ug/kg	5.3
N-Nitrosodiphenylamine	ND	45	ug/kg	21
2,2'-oxybis(1-Chloropropane)	ND	45	ug/kg	4.9
Pentachlorophenol	ND	220	ug/kg	20
Phenanthrene	**73**	**45**	**ug/kg**	**7.2**
Phenol	ND	45	ug/kg	5.3
Pyrene	**170**	**45**	**ug/kg**	**4.5**
2,4,5-Trichlorophenol	ND	220	ug/kg	24
2,4,6-Trichlorophenol	ND	220	ug/kg	34

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: SD10-32

GC/MS Semivolatiles

Lot-Sample #...: C0J210496-005 **Work Order #...:** L8VLH1AK **Matrix.....:** SOLID

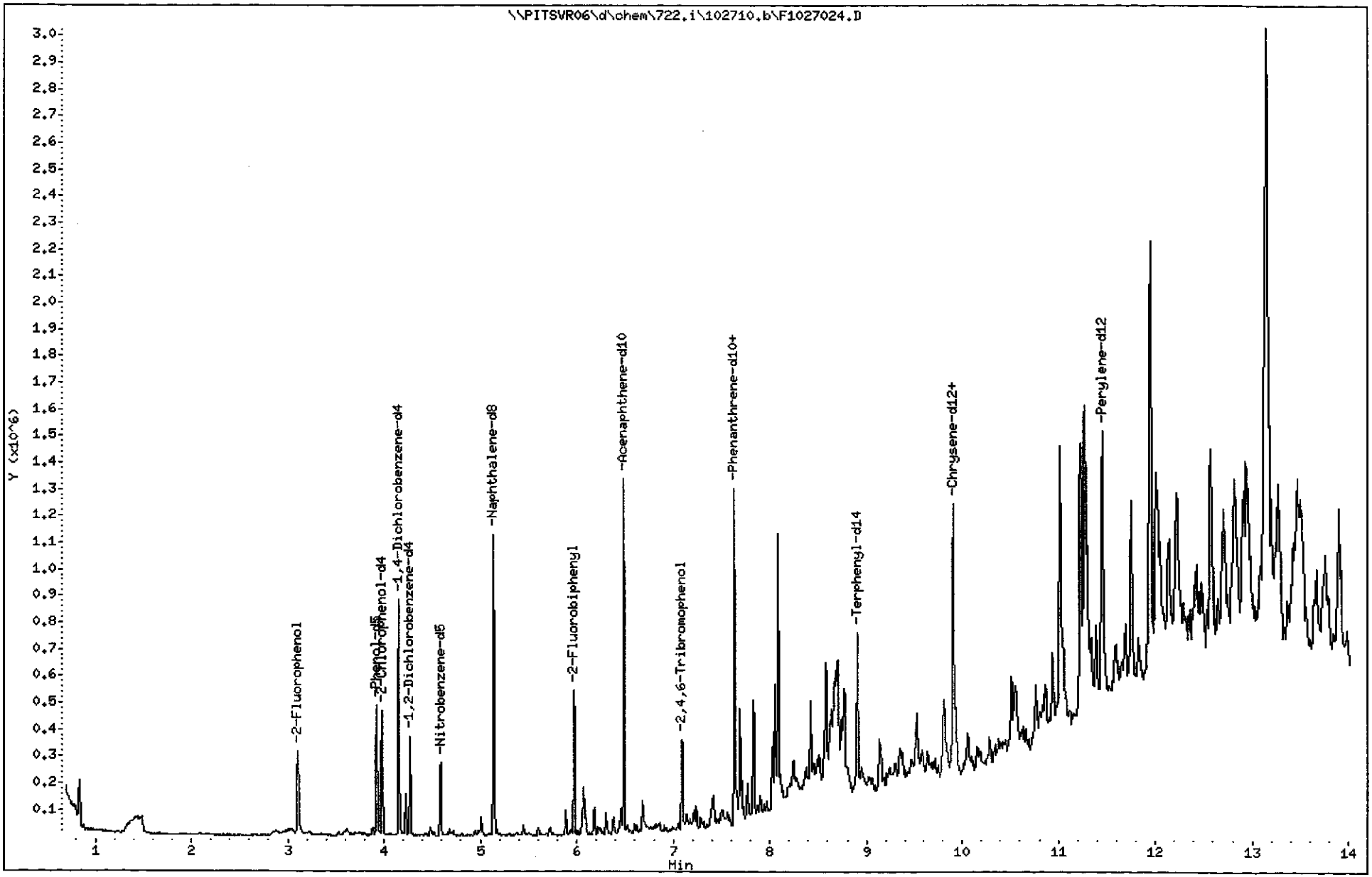
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	48	(27 - 110)
Terphenyl-d14	45	(21 - 130)
2-Fluorobiphenyl	46	(28 - 108)
2-Fluorophenol	51	(28 - 107)
Phenol-d5	46	(30 - 112)
2,4,6-Tribromophenol	47	(21 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027024.D
Date : 27-OCT-2010 08:15
Client ID: SD10-32
Instrument: 722.i
Sample Info: C0J210496-005 x5 10/26/10 Soil (0299052)
Volume Injected (uL): 2.0
Operator: 007062
Column phase: Hp5-MS
Column diameter: 0.25



Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\d\chem\722.i\102710.b\F1027024.D
Lab Smp Id: l8vlh1ak Client Smp ID: SD10-32
Inj Date : 27-OCT-2010 08:15
Operator : 007062 Inst ID: 722.i
Smp Info : C0J210496-005 x5 10/26/10 Soil (0299052)
Misc Info : l8vlh1ak,102710.b,ll.m,428270.sub
Comment :
Method : \\PITSVR06\d\chem\722.i\102710.b\LL.m
Meth Date : 28-Oct-2010 02:25 bungardf Quant Type: ISTD
Cal Date : 02-SEP-2010 04:00 Cal File: F09020C8.D
Als bottle: 26
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: 428270.sub
Target Version: 4.14
Processing Host: PITPC-503

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws)*1 * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)	
* 1	1,4-Dichlorobenzene-d4	152	4.150	4.155	(1.000)	128269	8.00000		(a)
* 2	Naphthalene-d8	136	5.138	5.138	(1.000)	428881	8.00000		(a)
* 3	Acenaphthene-d10	164	6.484	6.490	(1.000)	222409	8.00000		(a)
* 4	Phenanthrene-d10	188	7.633	7.644	(1.000)	341335	8.00000		(a)
* 5	Chrysene-d12	240	9.909	9.925	(1.000)	383601	8.00000		(a)
* 6	Perylene-d12	264	11.453	11.469	(1.000)	421409	8.00000		(a)
198	1,4-Dioxane	88	Compound Not Detected.						
220	Benzaldehyde	77	3.797	3.798	(0.915)	2621	1.00016	41.673	(aQ)
10	N-Nitrosodimethylamine	74	Compound Not Detected.						
9	Pyridine	79	Compound Not Detected.						
16	Methyl methanesulfonate	80	Compound Not Detected.						
21	Aniline	93	Compound Not Detected.						
22	Phenol	94	Compound Not Detected.						
23	bis(2-Chloroethyl)ether	93	Compound Not Detected.						
24	2-Chlorophenol	128	Compound Not Detected.						
26	1,3-Dichlorobenzene	146	Compound Not Detected.						
27	1,4-Dichlorobenzene	146	Compound Not Detected.						
28	1,2-Dichlorobenzene	146	Compound Not Detected.						
227	Indene	116	4.358	4.353	(1.050)	1415	0.03629	1.5122	(aAQ)
29	Benzyl Alcohol	108	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)
30	2-Methylphenol	108	Compound Not Detected.					
31	2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
37	Acetophenone	105	Compound Not Detected.					
32	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192	4-Methylphenol	108	4.513	4.513	(1.088)	2788	0.14072	5.8632(a)
34	Hexachloroethane	117	Compound Not Detected.					
35	Nitrobenzene	77	Compound Not Detected.					
36	N-Nitrosopyrrolidine	100	Compound Not Detected.					
41	Isophorone	82	Compound Not Detected.					
42	2-Nitrophenol	139	Compound Not Detected.					
43	2,4-Dimethylphenol	107	Compound Not Detected.					
44	bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48	2,4-Dichlorophenol	162	Compound Not Detected.					
49	Benzoic Acid	122	Compound Not Detected.					
50	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51	Naphthalene	128	Compound Not Detected.					
52	4-Chloroaniline	127	Compound Not Detected.					
54	2,6-Dichlorophenol	162	Compound Not Detected.					
56	Hexachlorobutadiene	224	Compound Not Detected.					
221	Caprolactam	113	5.448	5.454	(1.060)	1274	0.23570	9.8208(aQ)
59	4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62	2-Methylnaphthalene	142	Compound Not Detected.					
205	1-Methylnaphthalene	142	Compound Not Detected.					
64	Hexachlorocyclopentadiene	236	Compound Not Detected.					
65	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66	2,4,6-Trichlorophenol	196	Compound Not Detected.					
67	2,4,5-Trichlorophenol	196	Compound Not Detected.					
222	1,1'-Biphenyl	154	Compound Not Detected.					
70	2-Chloronaphthalene	162	Compound Not Detected.					
73	2-Nitroaniline	65	Compound Not Detected.					
76	Dimethylphthalate	163	Compound Not Detected.					
78	2,6-Dinitrotoluene	165	Compound Not Detected.					
79	Acenaphthylene	152	6.378	6.383	(0.984)	16871	0.32969	13.737(a)
81	3-Nitroaniline	138	Compound Not Detected.					
82	Acenaphthene	153	Compound Not Detected.					
83	2,4-Dinitrophenol	184	Compound Not Detected.					
85	4-Nitrophenol	109	Compound Not Detected.					
86	Dibenzofuran	168	6.645	6.650	(1.025)	2295	0.05119	2.1330(a)
87	2,4-Dinitrotoluene	165	Compound Not Detected.					
91	2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
88	2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
92	2-Naphthylamine	143	Compound Not Detected.					
93	Diethylphthalate	149	Compound Not Detected.					
94	Fluorene	166	Compound Not Detected.					
95	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96	4-Nitroaniline	138	Compound Not Detected.					
98	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99	N-Nitrosodiphenylamine	169	Compound Not Detected.					
100	1,2-Diphenylhydrazine	77	Compound Not Detected.					
106	4-Bromophenyl-phenylether	248	Compound Not Detected.					
107	Hexachlorobenzene	283	Compound Not Detected.					
223	Atrazine	200	Compound Not Detected.					
111	Pentachlorophenol	265	Compound Not Detected.					
115	Phenanthrene	178	7.649	7.660	(1.002)	31569	0.65099	27.125(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
116 Anthracene	178	7.692	7.697	(1.008)	13901	0.28607	11.920(a)
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	8.584	8.595	(1.125)	101133	2.06705	86.127(a)
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	8.766	8.782	(0.885)	90899	1.52073	63.364(a)
131 Butylbenzylphthalate	149	9.353	9.369	(0.944)	8167	0.27312	11.380(a)
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	9.898	9.914	(0.999)	49115	0.89883	37.451(a)
137 Chrysene	228	9.935	9.957	(1.003)	71388	1.37118	57.133(a)
139 bis(2-ethylhexyl)Phthalate	149	9.946	9.968	(1.004)	12317	0.28790	11.996(a)
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	11.052	11.063	(0.965)	138706	1.97896	82.456(a)
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	11.394	11.410	(0.995)	53413	1.03426	43.094(a)
149 Indeno(1,2,3-cd)pyrene	276	12.639	12.666	(1.104)	47905	0.73990	30.829(a)
150 Dibenz(a,h)anthracene	278	12.649	12.682	(1.104)	8990	0.16779	6.9912(aM)
151 Benzo(g,h,i)perylene	276	12.981	13.007	(1.133)	47516	0.86941	36.226(a)
$ 154 Nitrobenzene-d5	82	4.588	4.588	(0.893)	83864	3.80586	158.58(a)
$ 155 2-Fluorobiphenyl	172	5.972	5.977	(0.921)	134371	3.64979	152.07(a)
$ 156 Terphenyl-d14	244	8.904	8.921	(0.899)	141294	3.56171	148.40(a)
$ 157 Phenol-d5	99	3.926	3.926	(0.946)	143548	5.55030	231.26(a)
$ 158 2-Fluorophenol	112	3.103	3.114	(0.748)	115840	6.17329	257.22(a)
$ 159 2,4,6-Tribromophenol	330	7.099	7.104	(0.930)	21005	5.60054	233.36(a)
$ 186 2-Chlorophenol-d4	132	3.979	3.985	(0.959)	128751	5.62048	234.19(a)
$ 187 1,2-Dichlorobenzene-d4	152	4.267	4.273	(1.028)	53562	3.39890	141.62(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027024.D

Date : 27-OCT-2010 08:15

Client ID: SD10-32

Instrument: 722.i

Sample Info: C0J210496-005 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

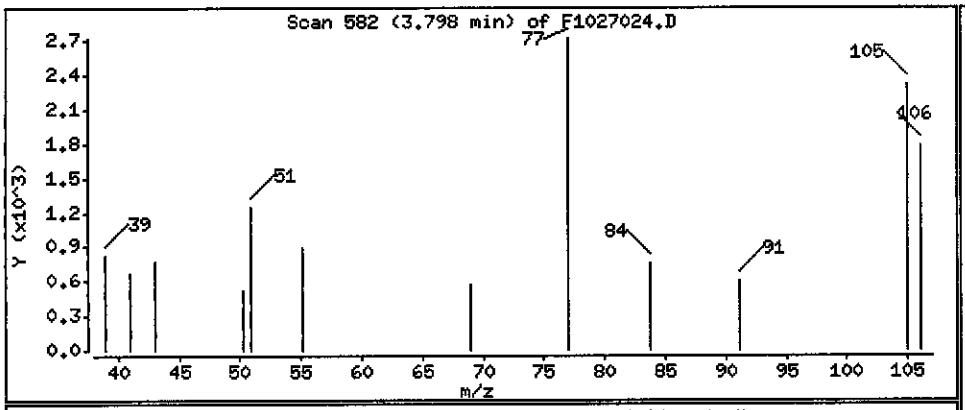
Operator: 007062

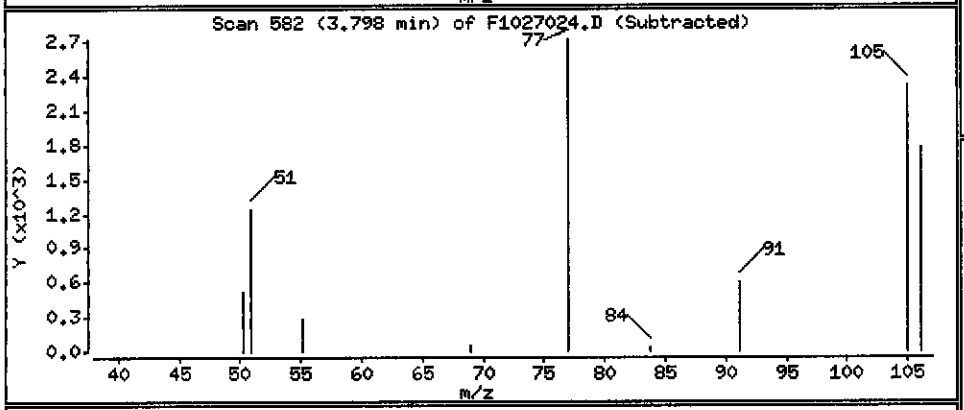
Column phase: Hp5-MS

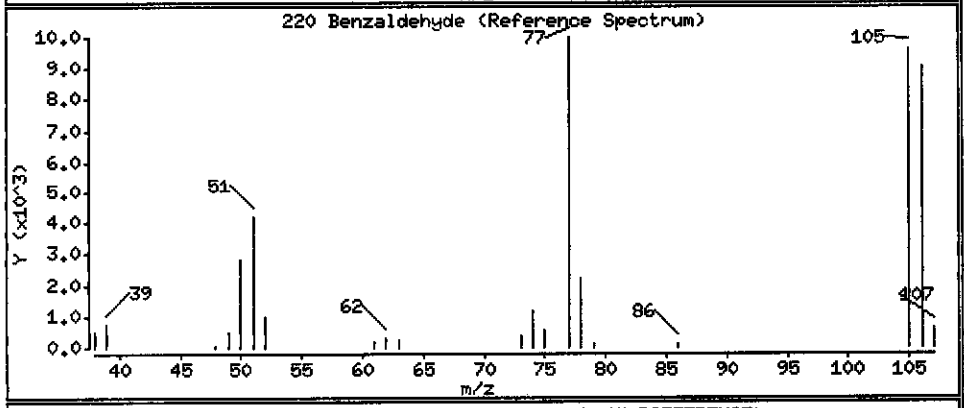
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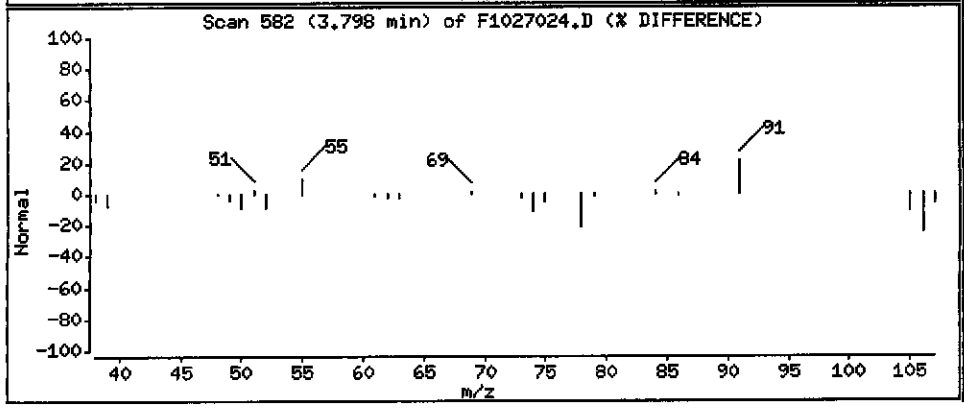
220 Benzaldehyde

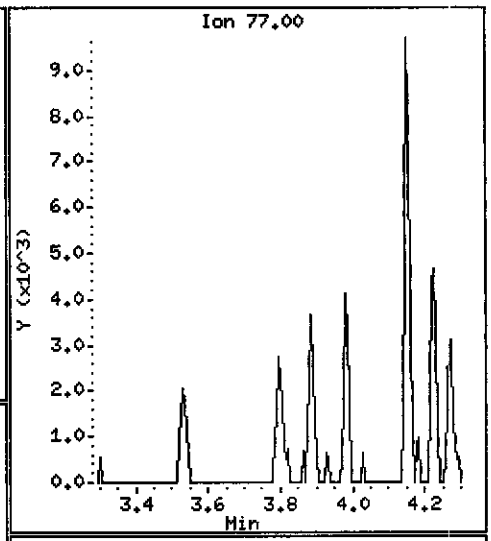
Concentration: 8.3347 ug/kg

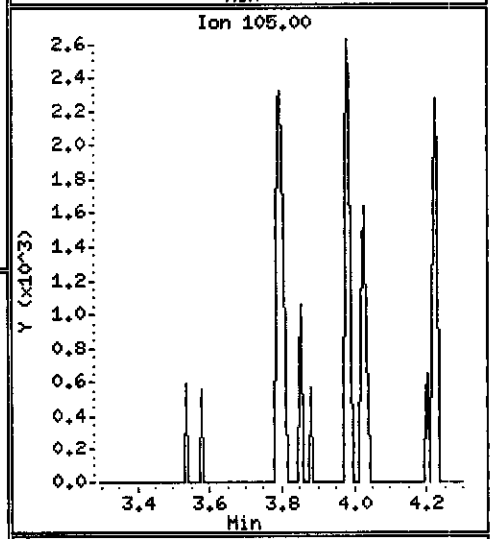


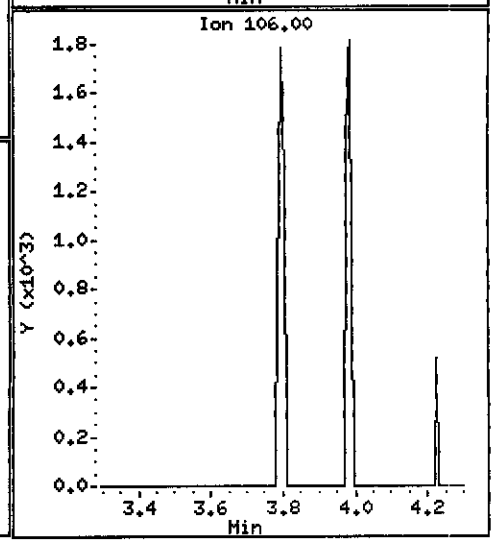












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027024.D

Date : 27-OCT-2010 08:15

Client ID: SD10-32

Instrument: 722.i

Sample Info: C0J210496-005 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

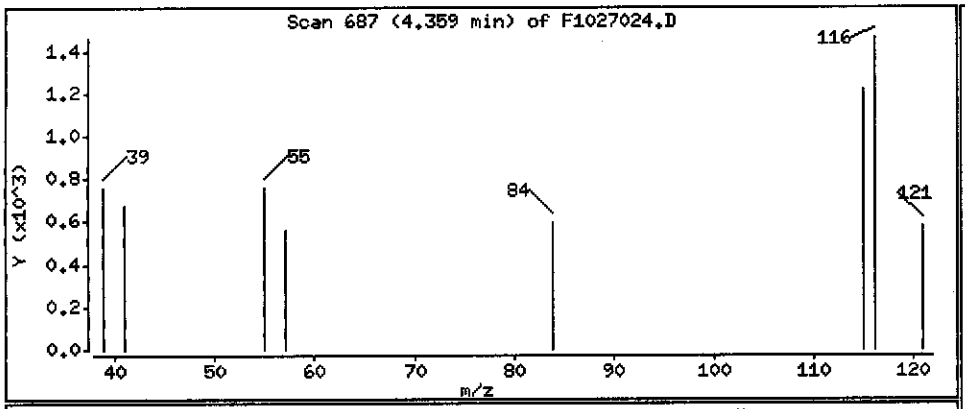
Operator: 007062

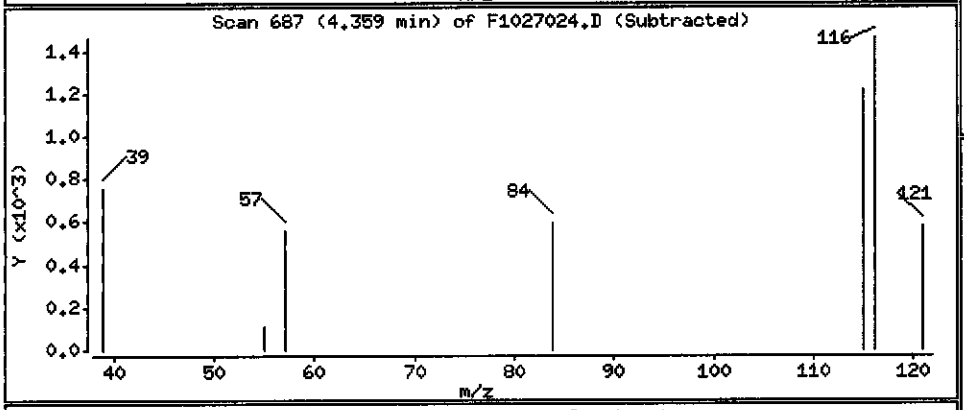
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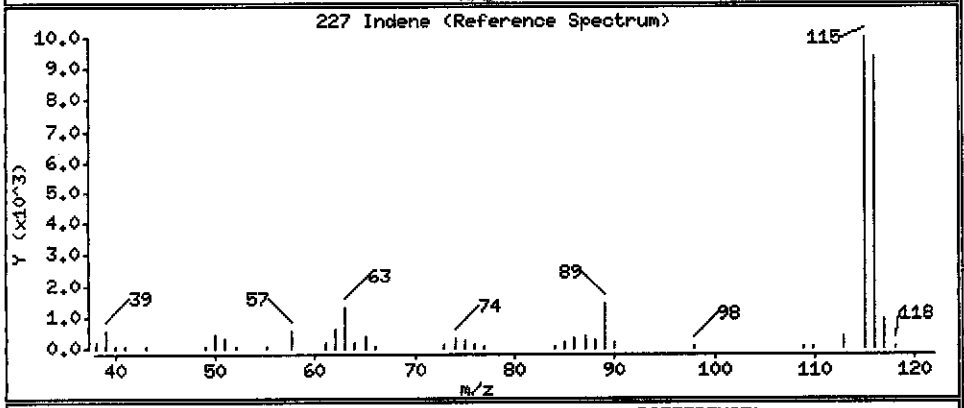
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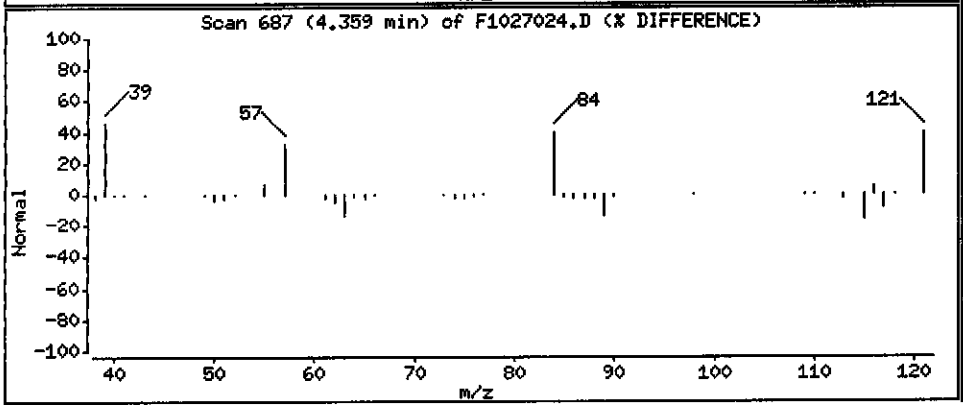
227 Indene

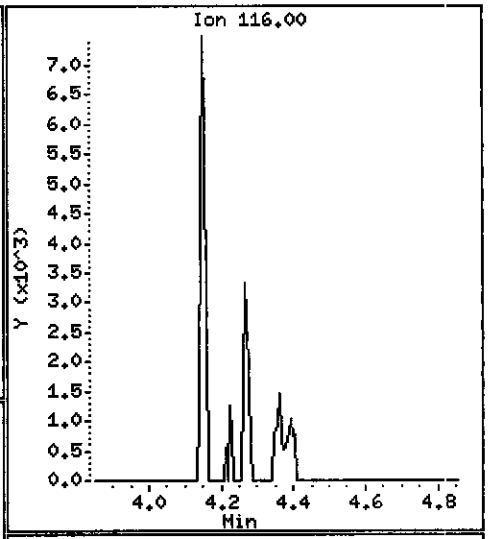
Concentration: 0.30244 ug/kg

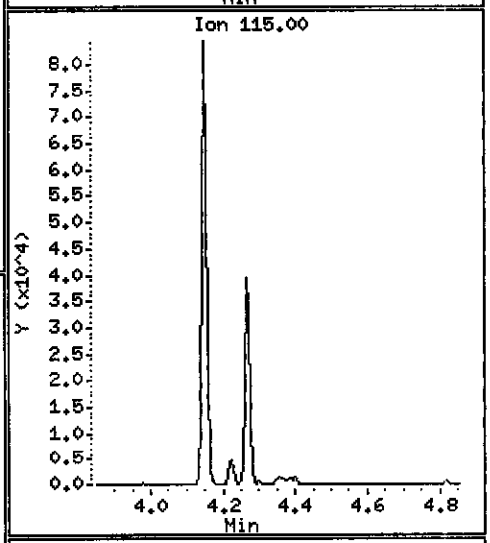


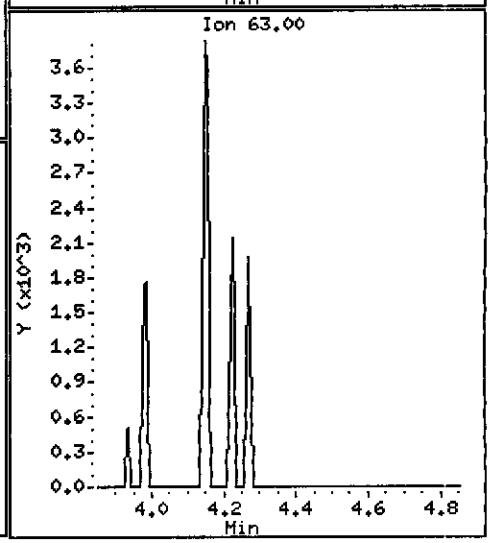












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027024.D

Date : 27-OCT-2010 08:15

Client ID: SD10-32

Instrument: 722.i

Sample Info: C0J210496-005 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

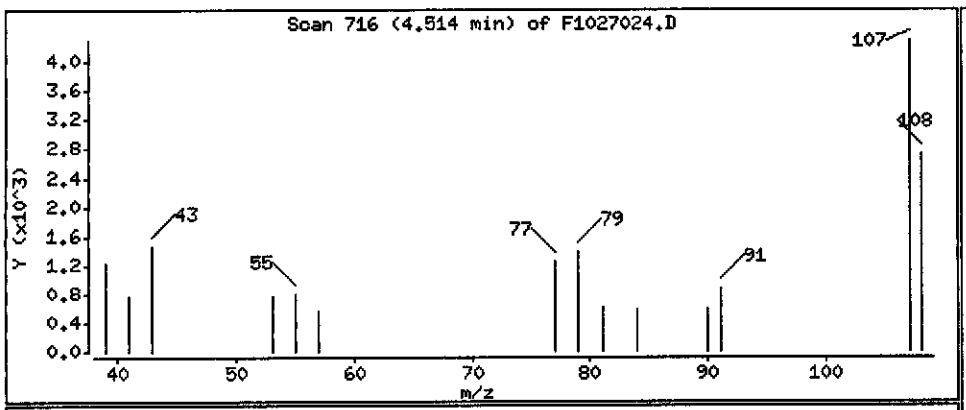
Operator: 007062

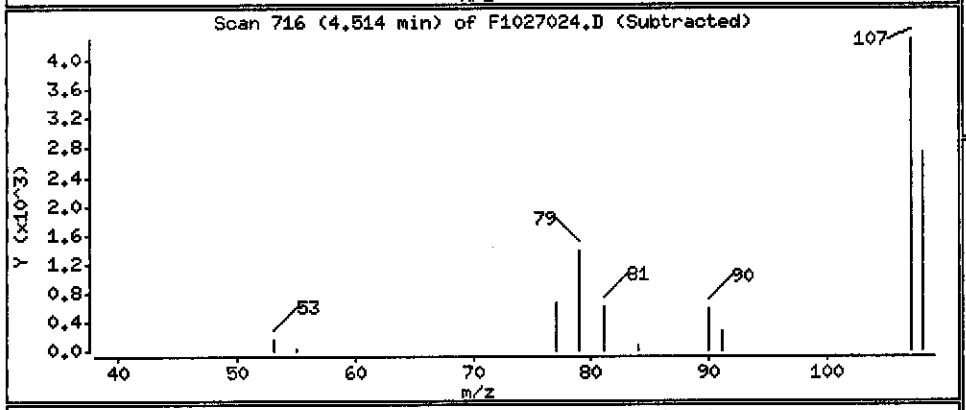
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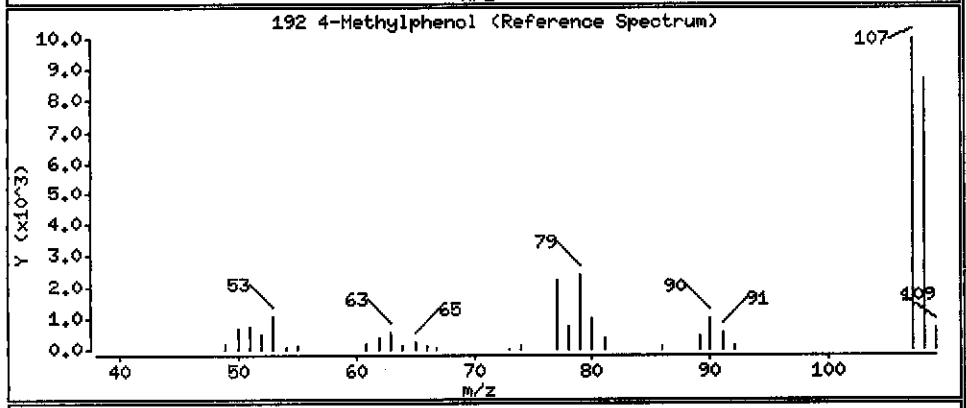
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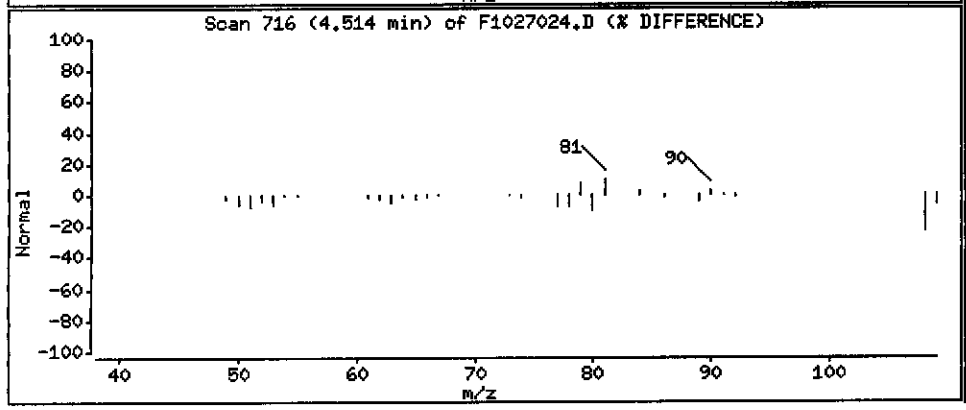
192 4-Methylphenol

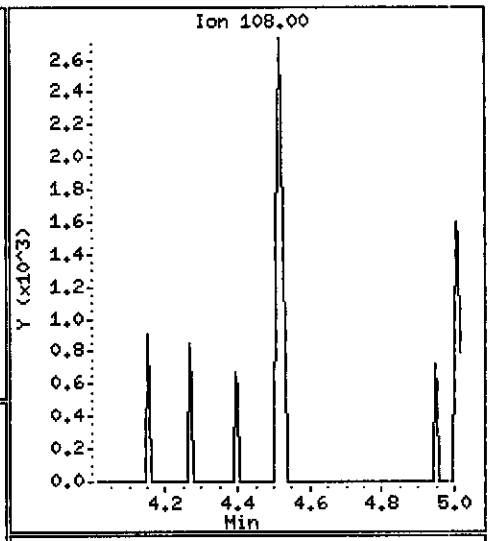
Concentration: 1.1726 ug/kg

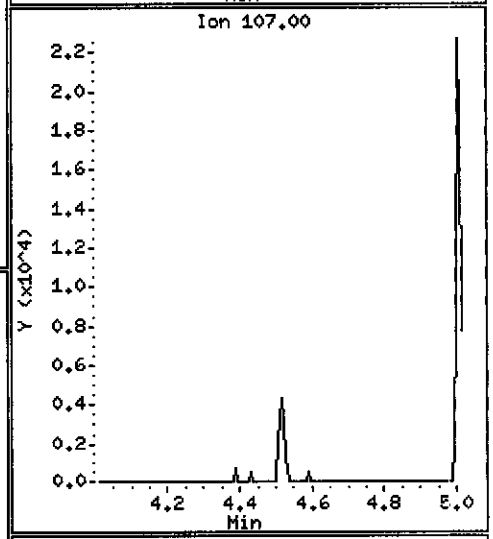


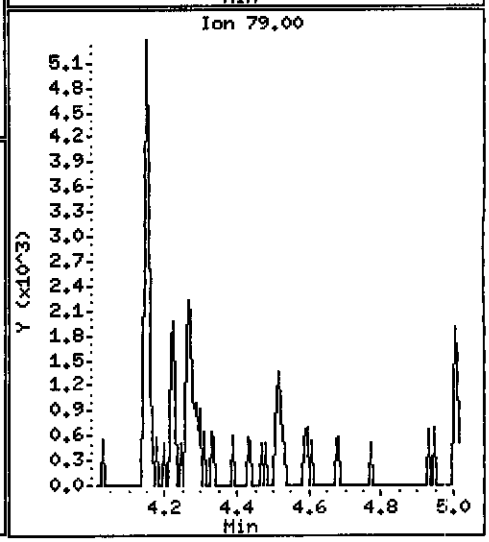












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027024.D

Date : 27-OCT-2010 08:15

Client ID: SD10-32

Instrument: 722.i

Sample Info: C0J210496-005 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

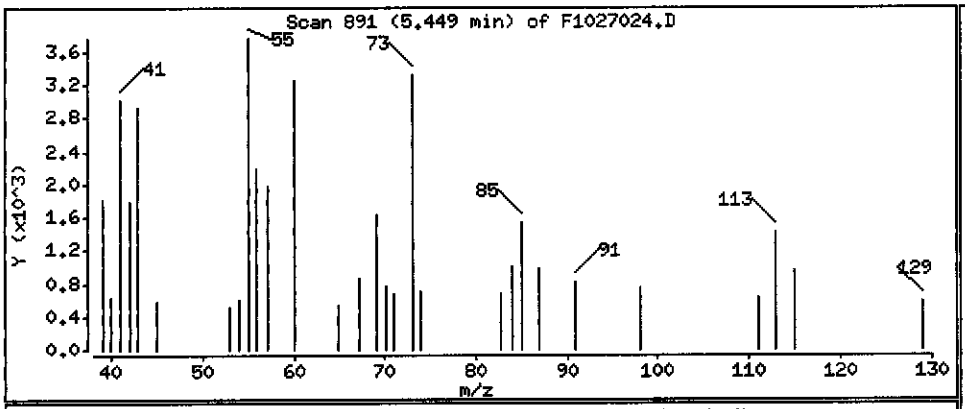
Operator: 007062

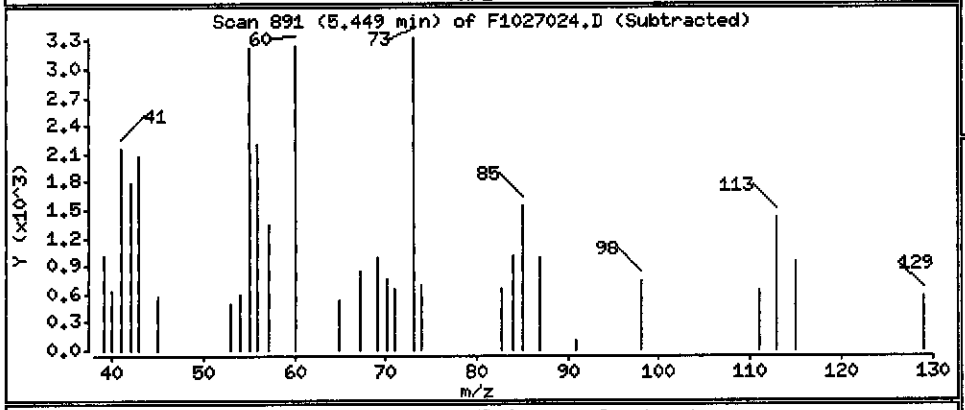
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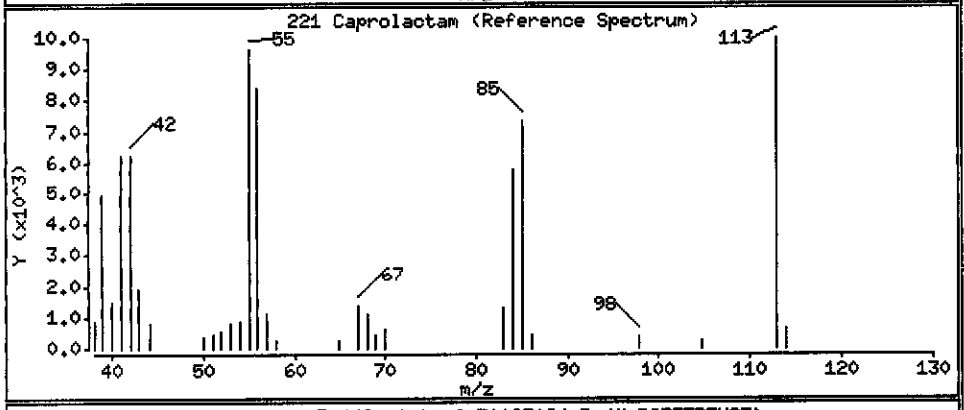
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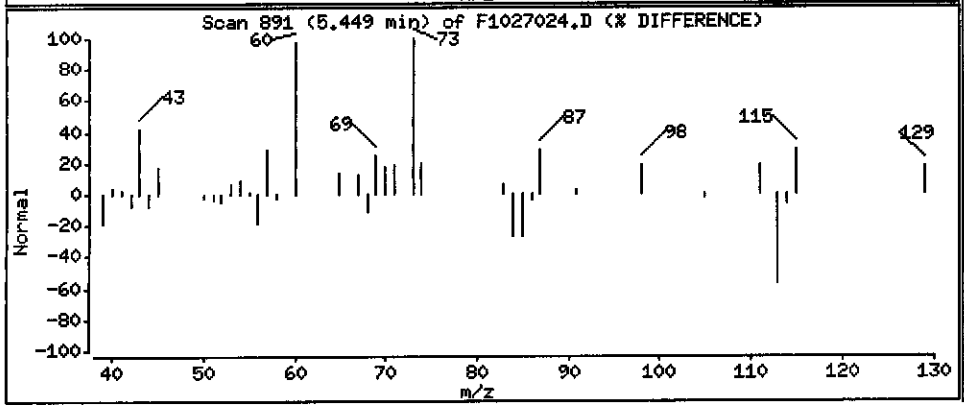
221 Caprolactam

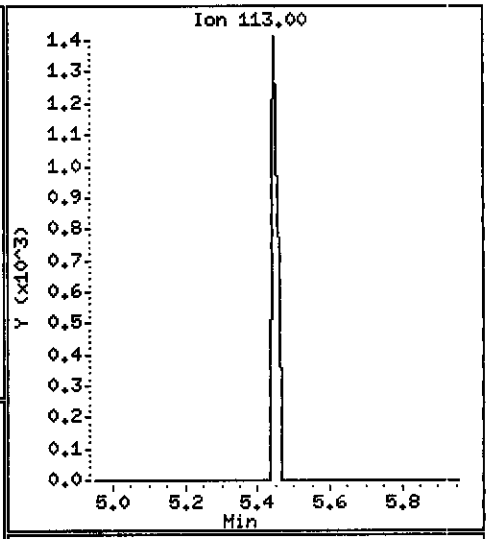
Concentration: 1.9642 ug/kg

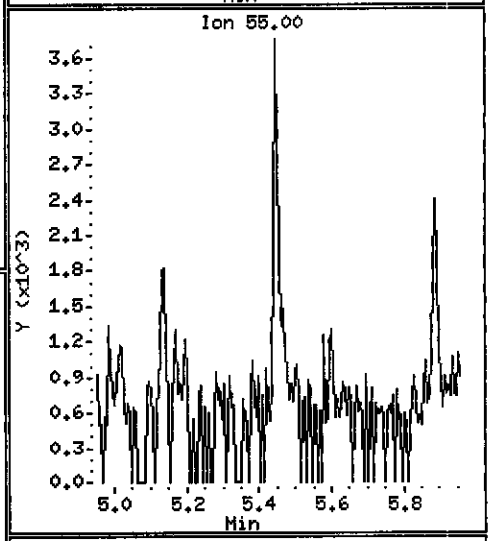


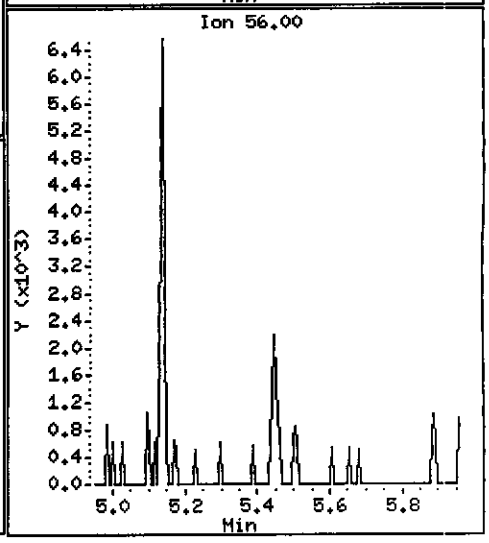












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027024.D

Date : 27-OCT-2010 08:15

Client ID: SD10-32

Instrument: 722.i

Sample Info: C0J210496-005 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

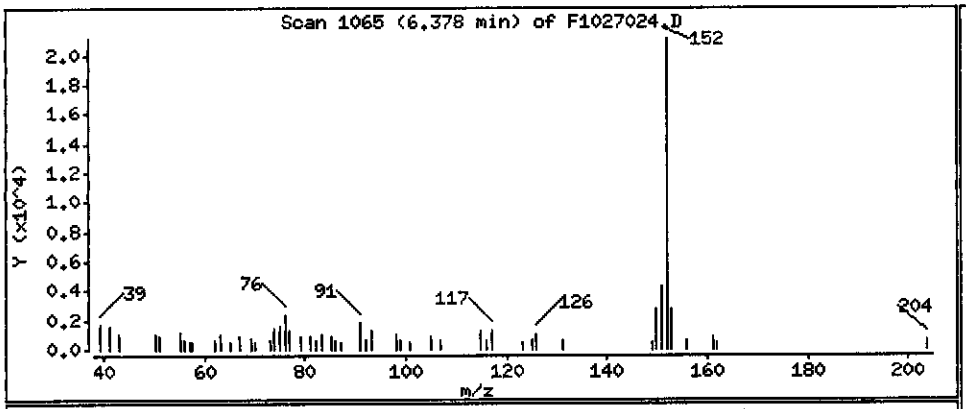
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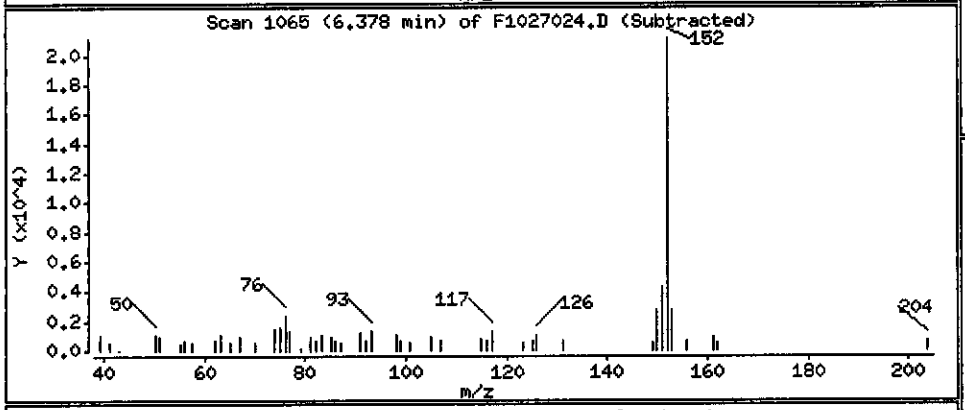
Column phase: Hp5-MS

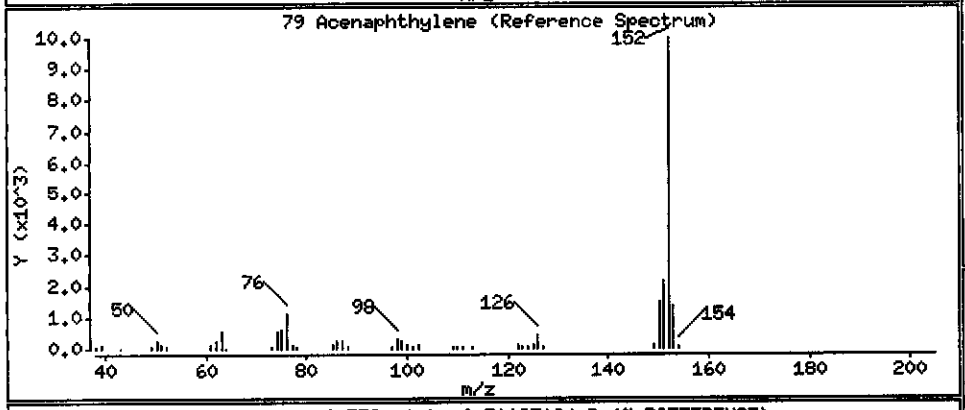
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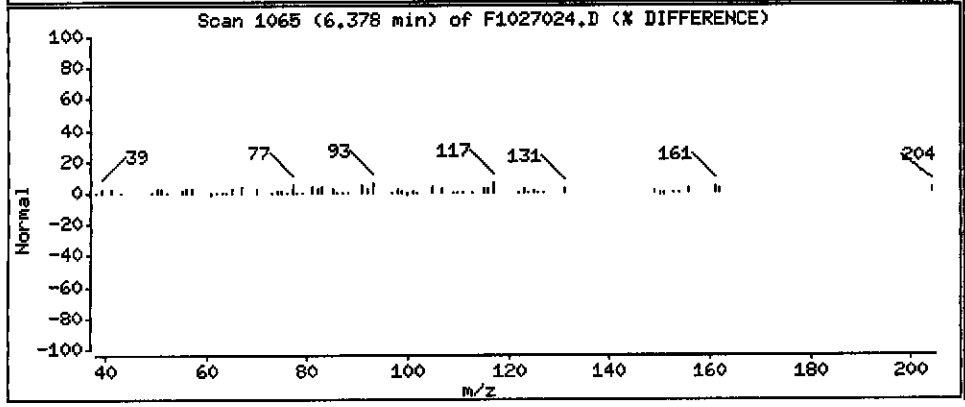
79 Acenaphthylene

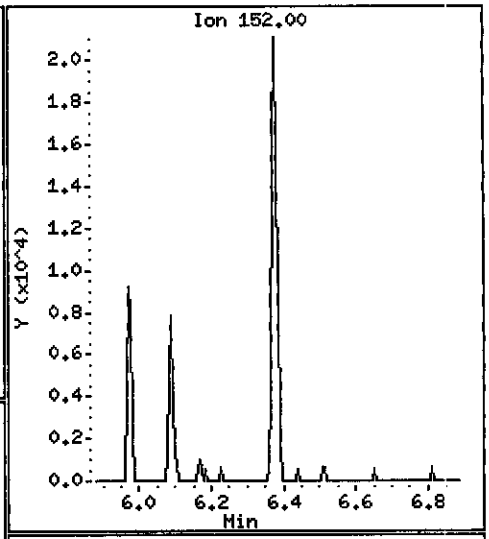
Concentration: 2.7474 ug/kg

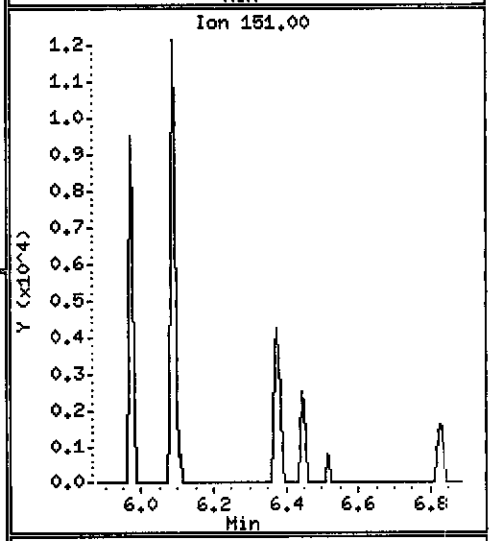


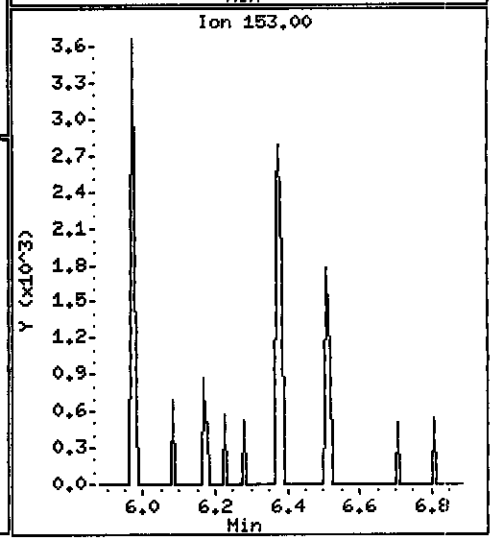












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027024.D

Date : 27-OCT-2010 08:15

Client ID: SD10-32

Instrument: 722.i

Sample Info: C0J210496-005 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

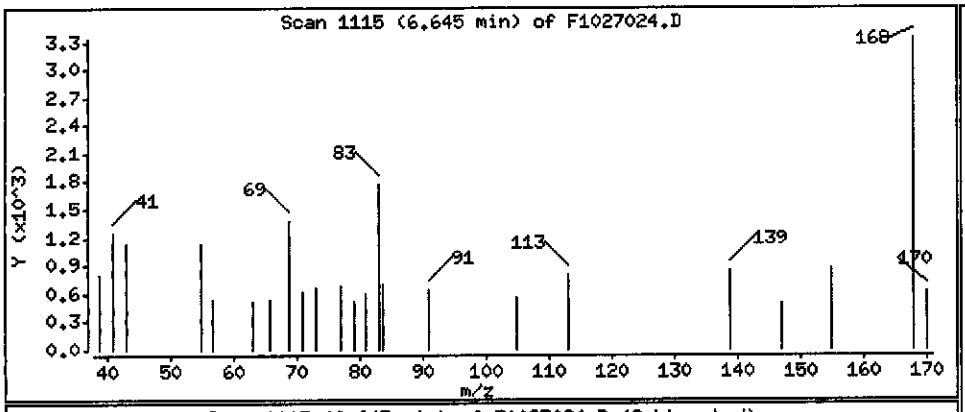
Operator: 007062

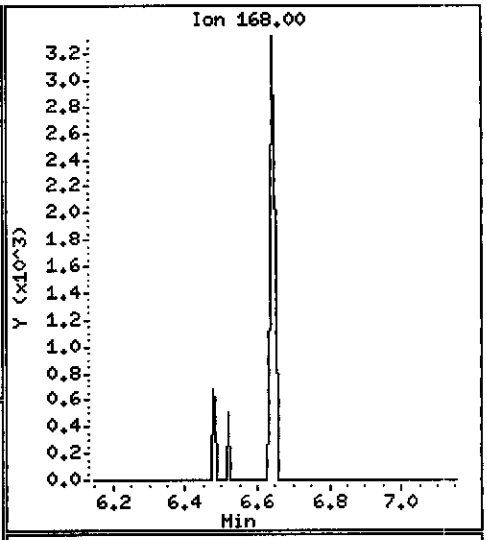
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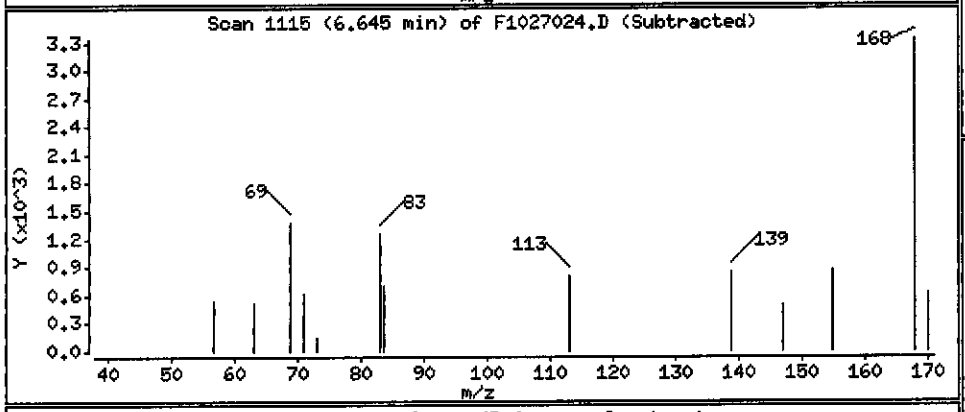
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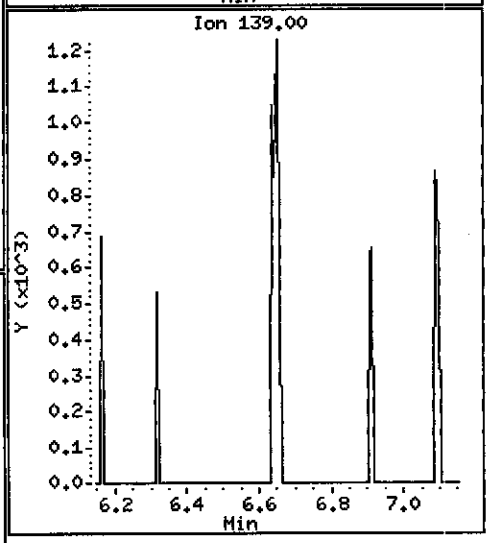
86 Dibenzofuran

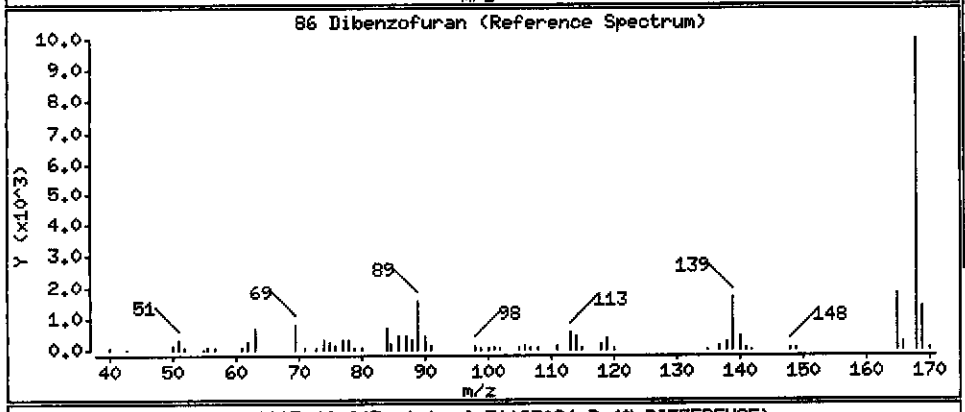
Concentration: 0.42659 ug/kg

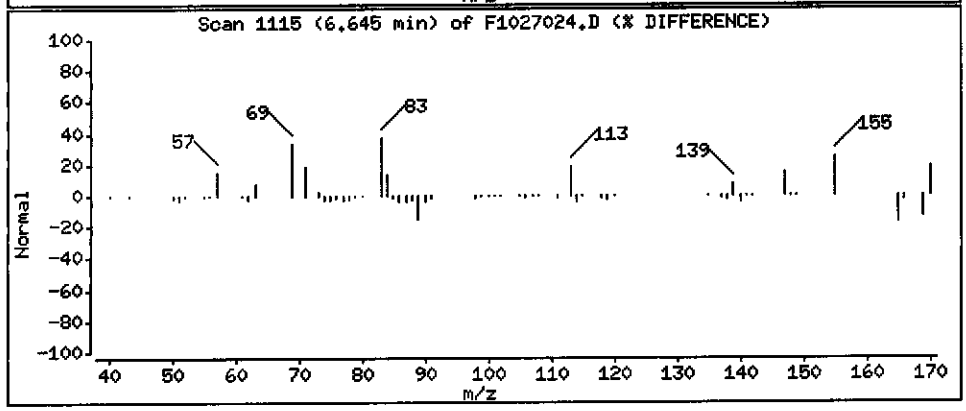












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027024.D

Date : 27-OCT-2010 08:15

Client ID: SD10-32

Instrument: 722.i

Sample Info: C0J210496-005 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

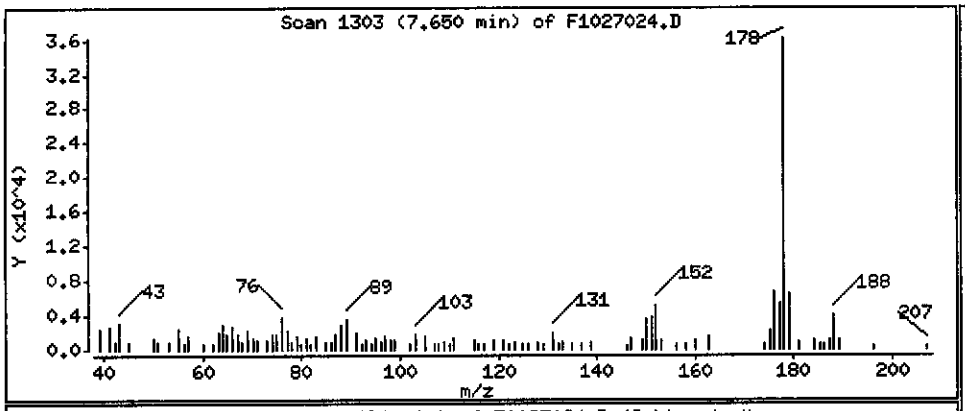
Operator: 007062

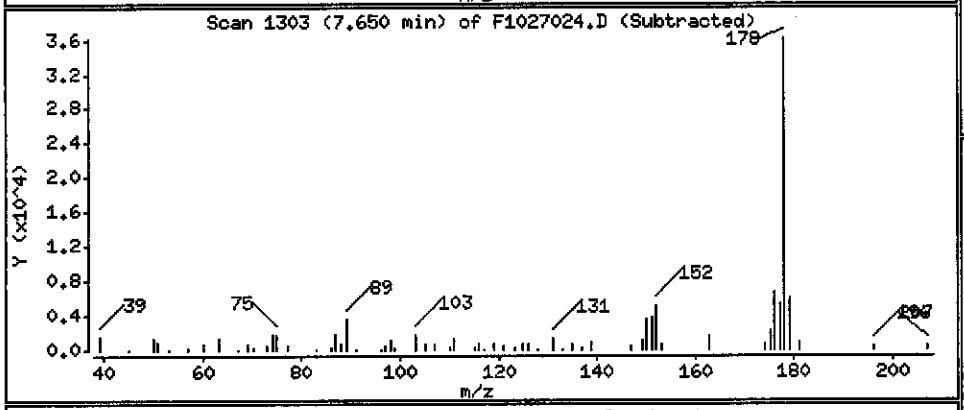
Column phase: Hp5-MS

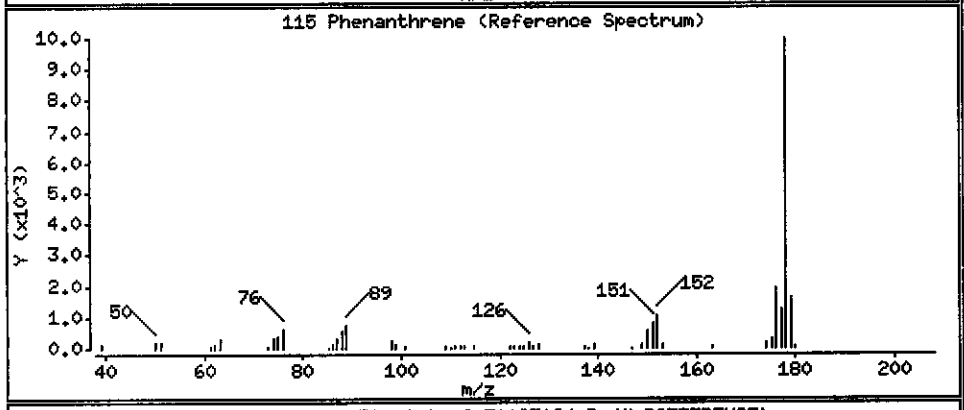
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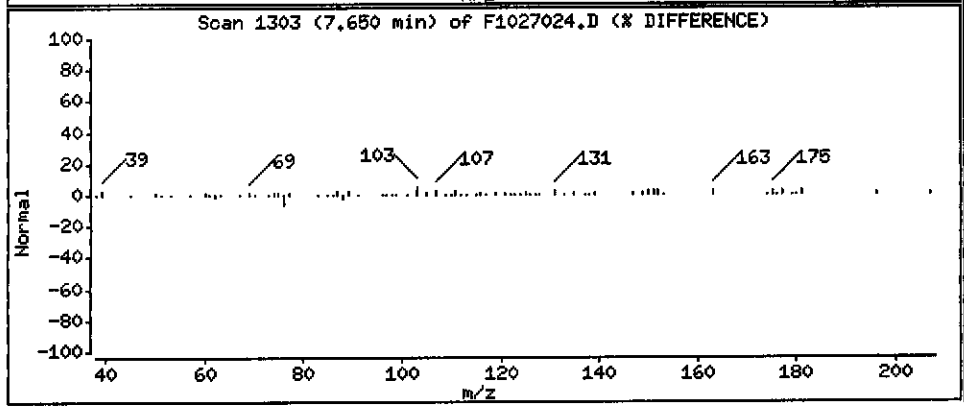
115 Phenanthrene

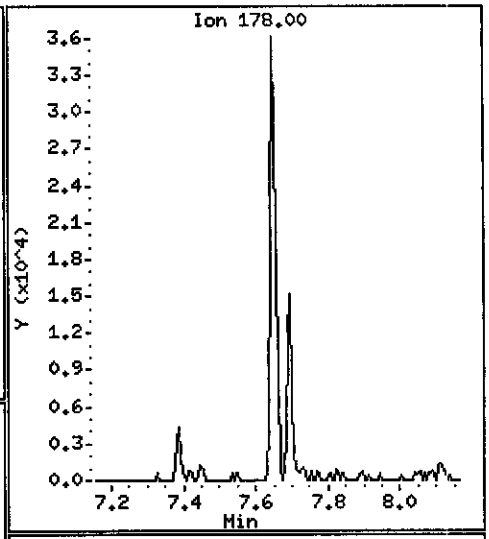
Concentration: 5.4250 ug/kg

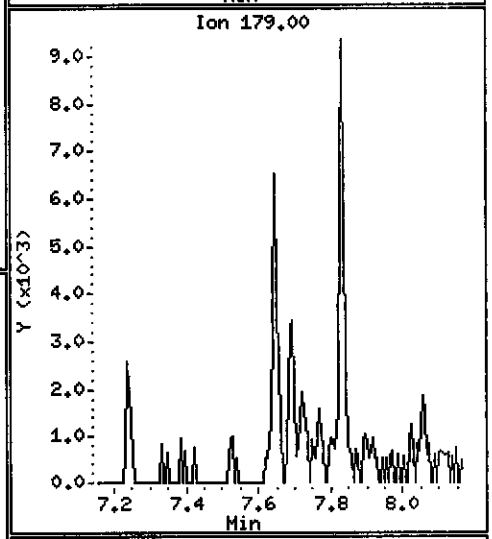


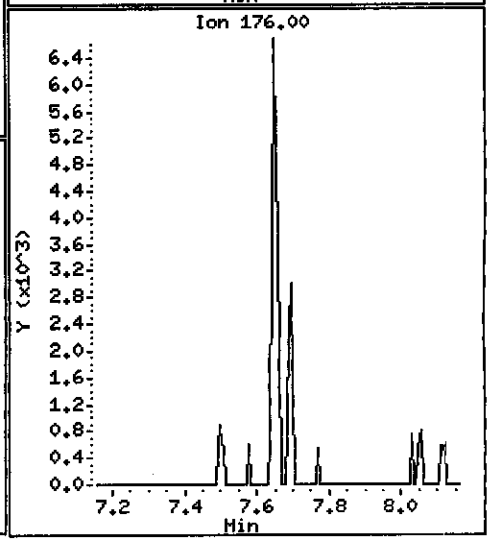












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027024.D

Date : 27-OCT-2010 08:15

Client ID: SD10-32

Instrument: 722.i

Sample Info: C0J210496-005 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

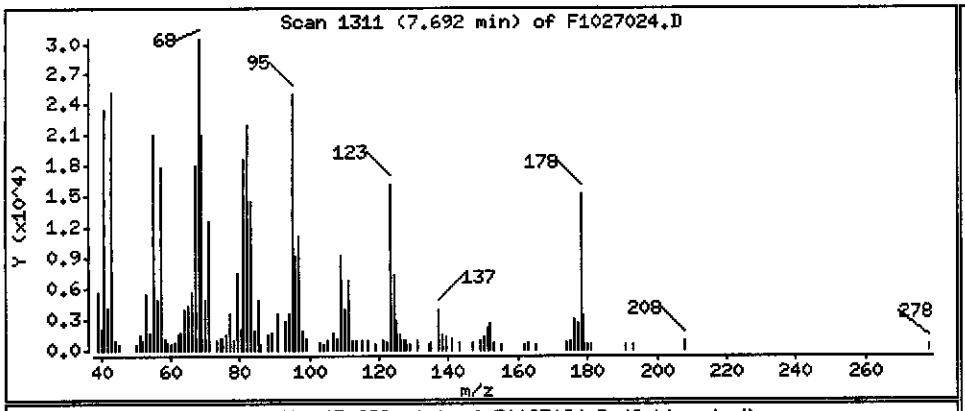
Operator: 007062

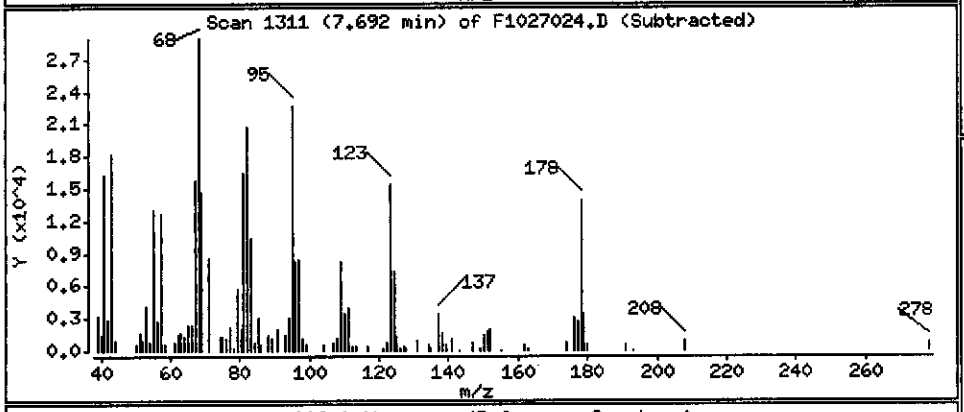
Column phase: Hp5-MS

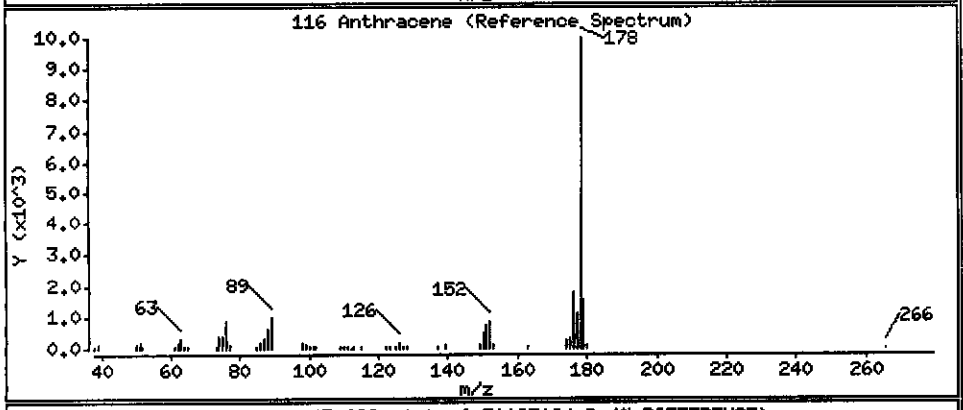
Column diameter: 0.25

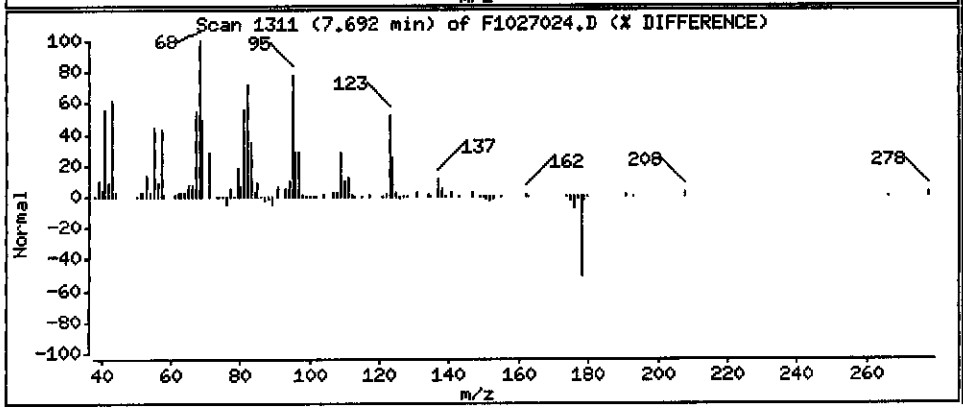
116 Anthracene

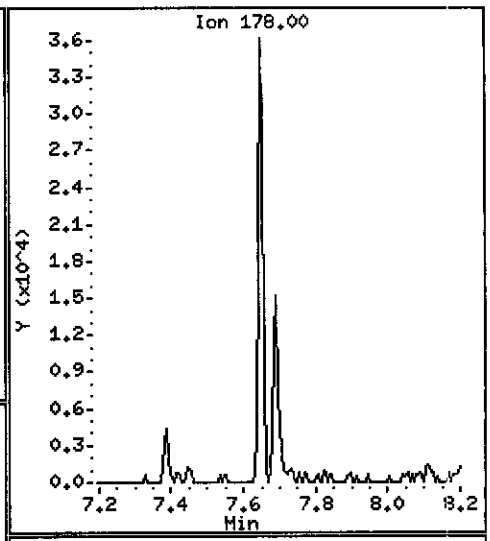
Concentration: 2.3839 ug/kg

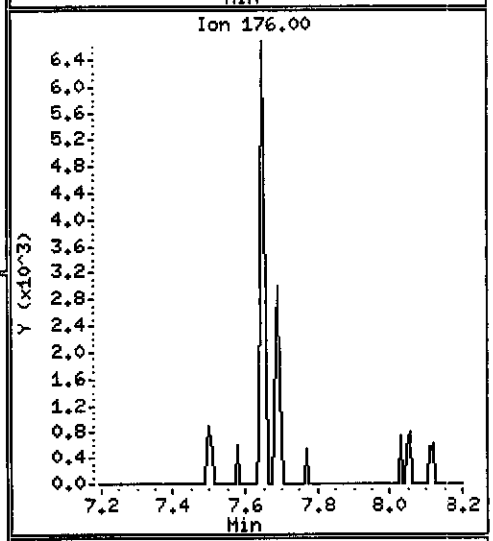


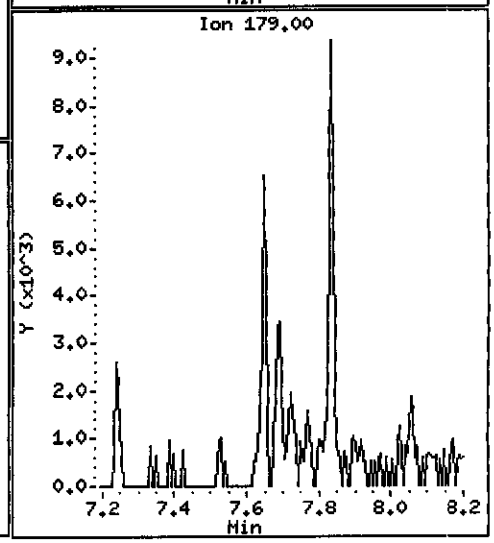












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027024.D

Date : 27-OCT-2010 08:15

Client ID: SD10-32

Instrument: 722.i

Sample Info: C0J210496-005 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

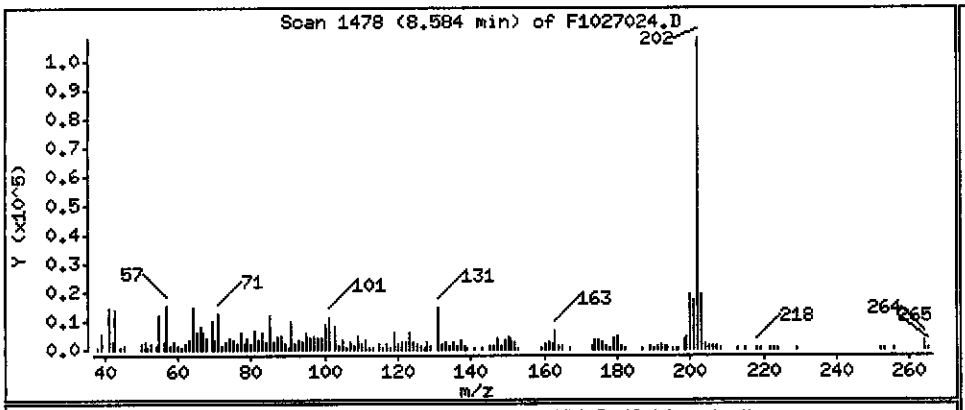
Operator: 007062

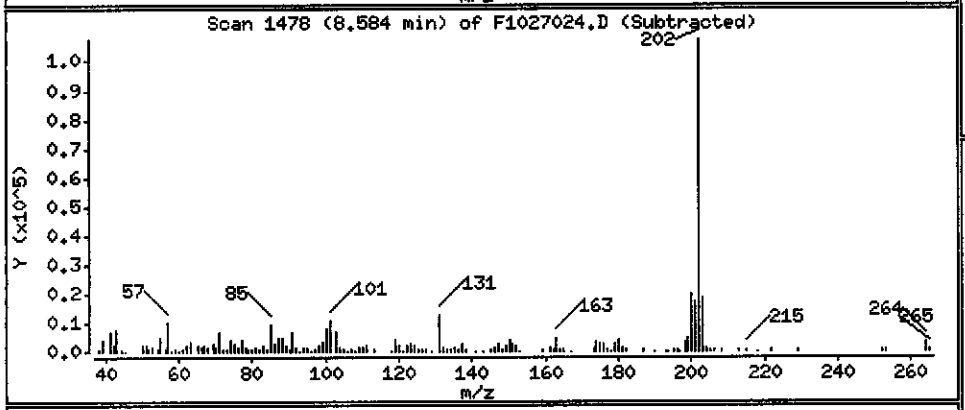
Column phase: Hp5-MS

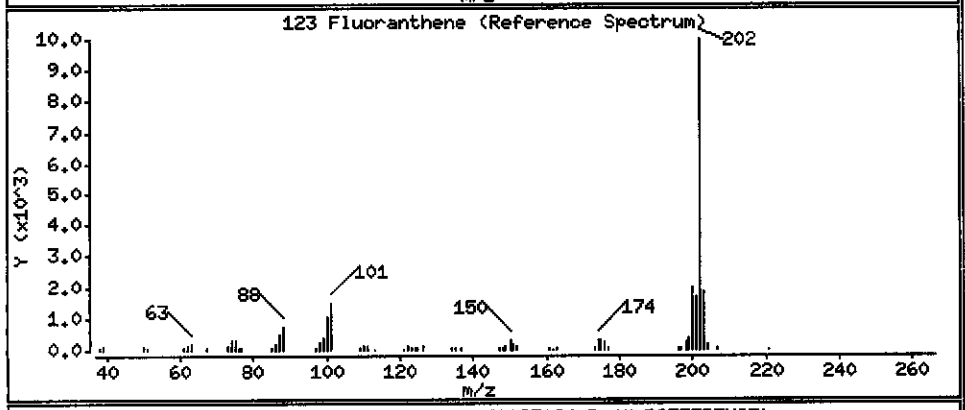
Column diameter: 0.25

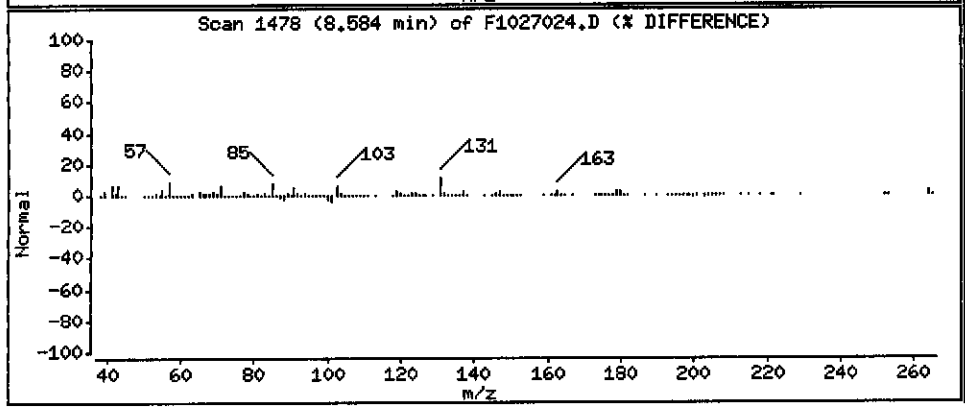
123 Fluoranthene

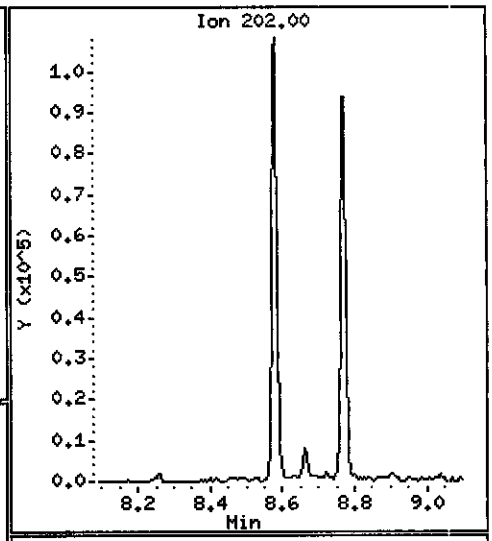
Concentration: 17.225 ug/kg

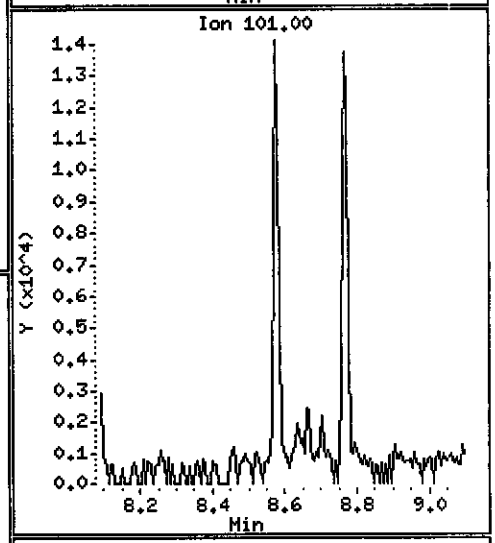


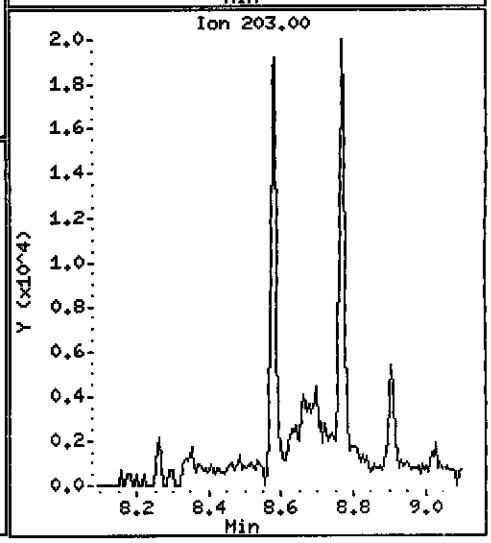












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027024.D

Date : 27-OCT-2010 08:15

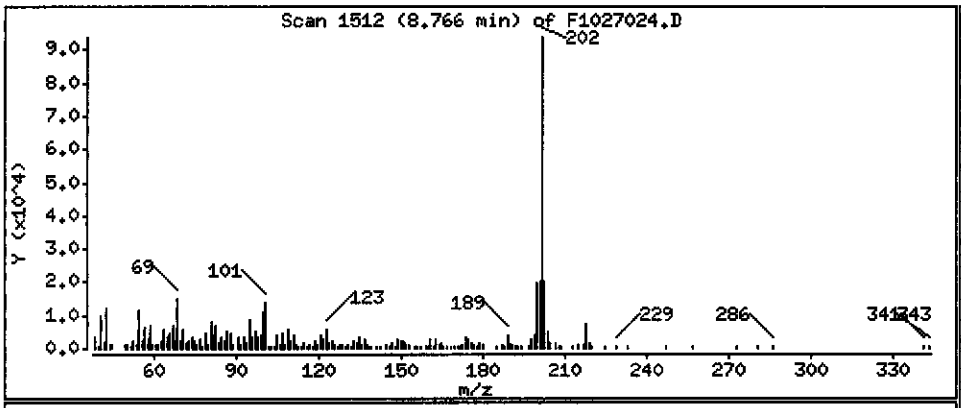
Client ID: SD10-32 Instrument: 722.i

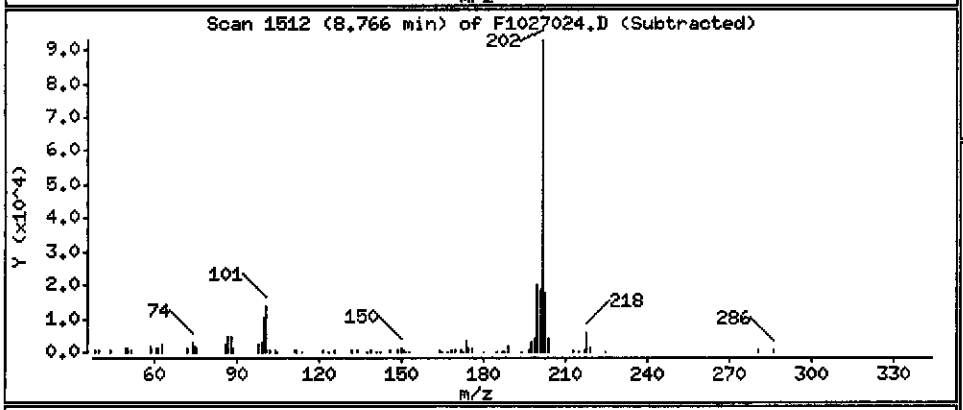
Sample Info: C0J210496-005 x5 10/26/10 Soil (0299052)

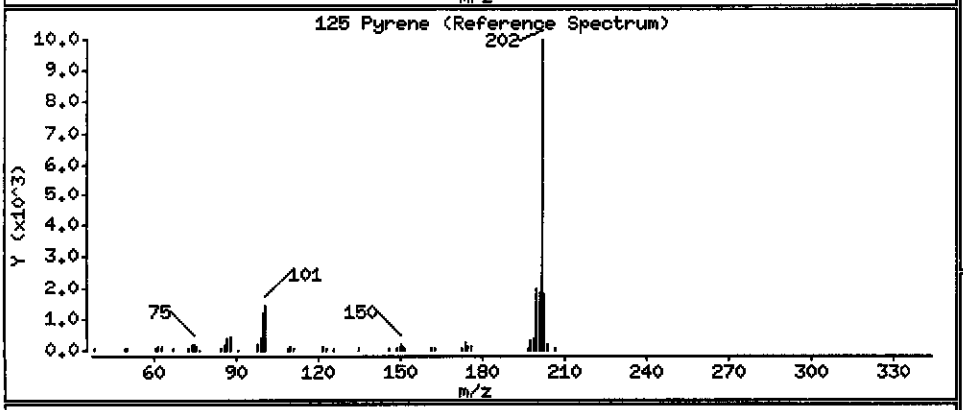
Volume Injected (uL): 2.0 Operator: 007062

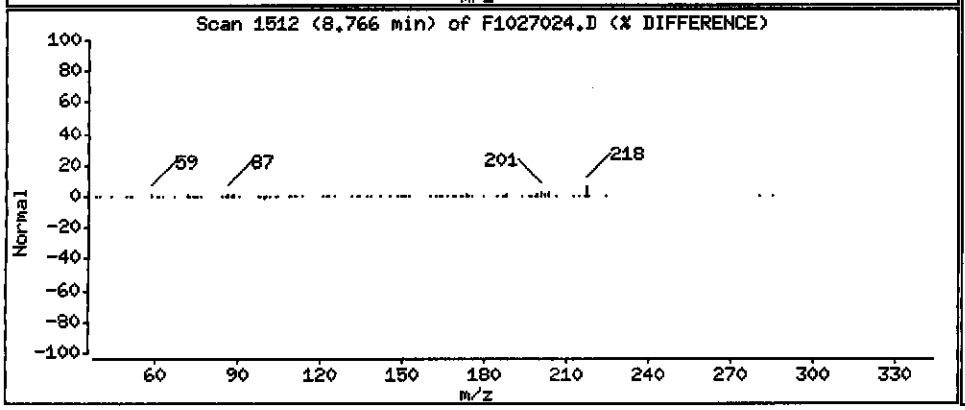
Column phase: Hp5-MS Column diameter: 0.25

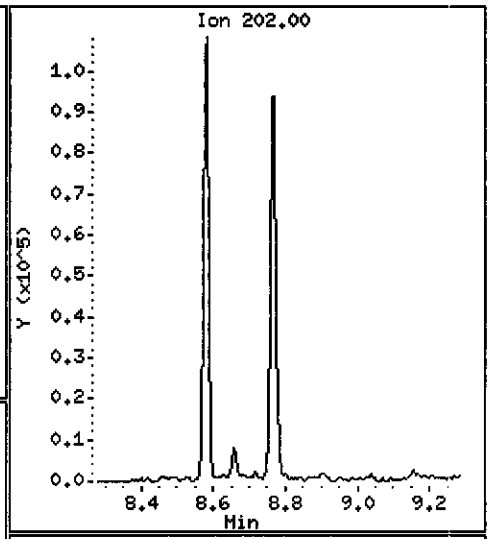
125 Pyrene Concentration: 12.673 ug/kg

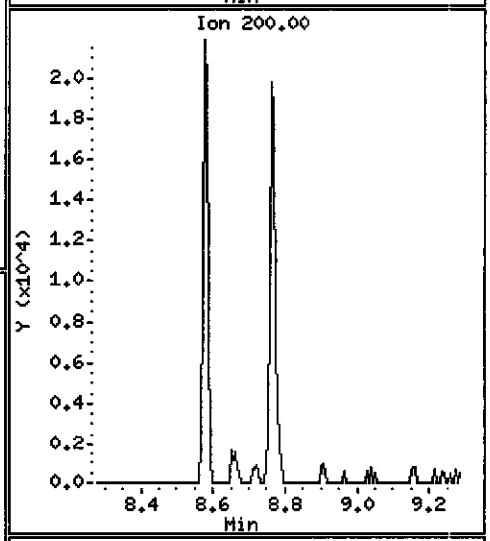


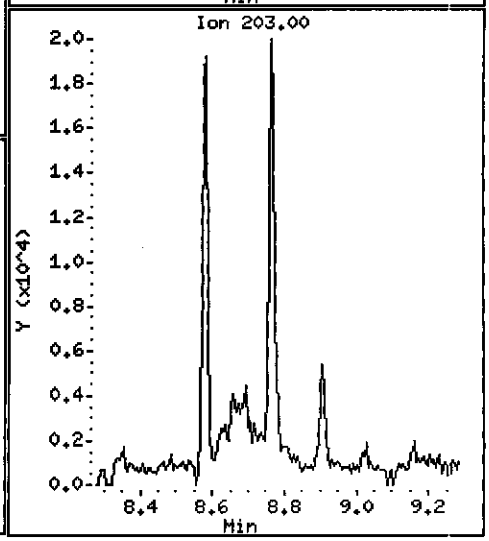












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027024.D

Date : 27-OCT-2010 08:15

Client ID: SD10-32

Instrument: 722.i

Sample Info: C0J210496-005 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

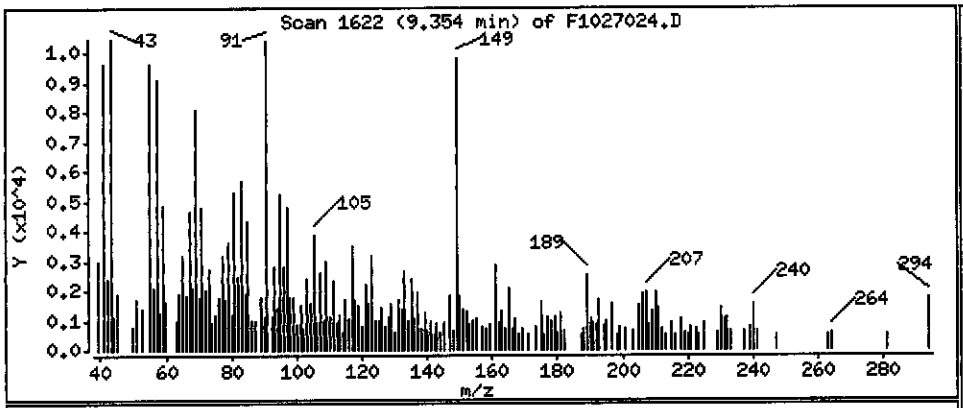
Operator: 007062

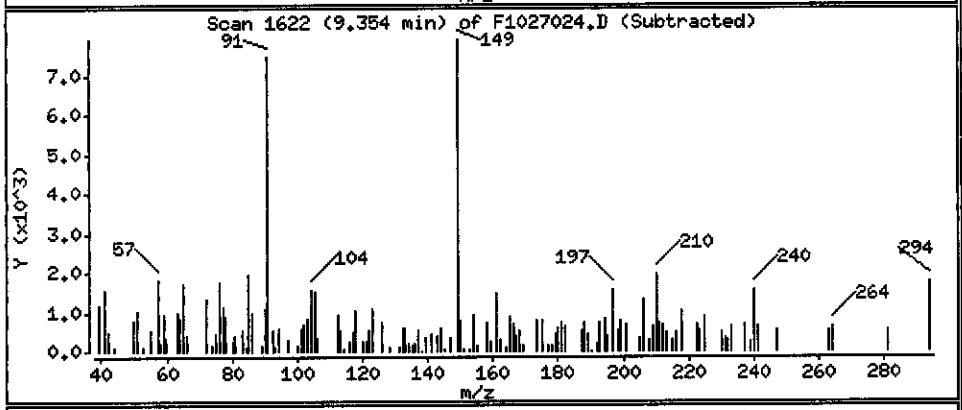
Column phase: Hp5-MS

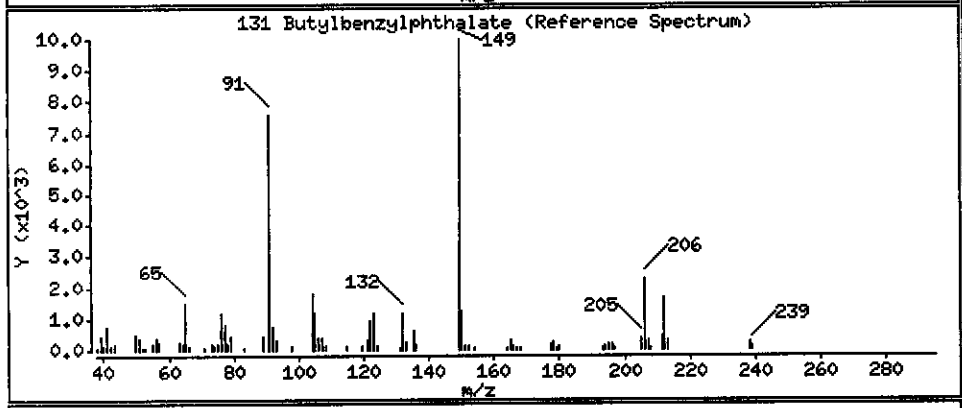
Column diameter: 0.25

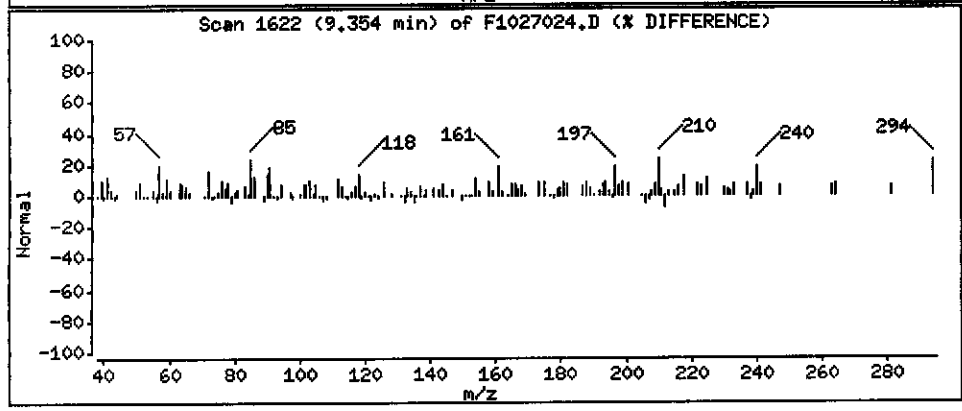
131 Butylbenzylphthalate

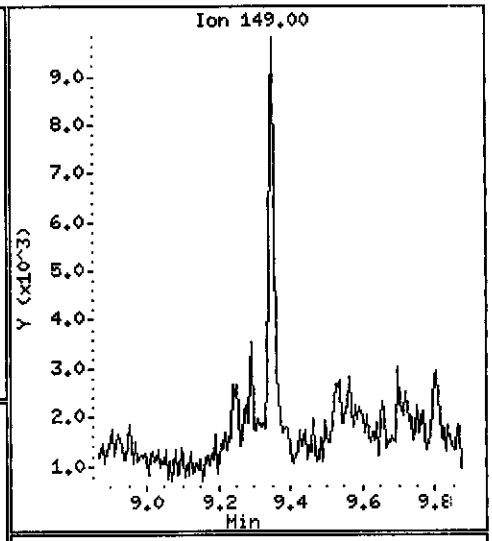
Concentration: 2.2760 ug/kg

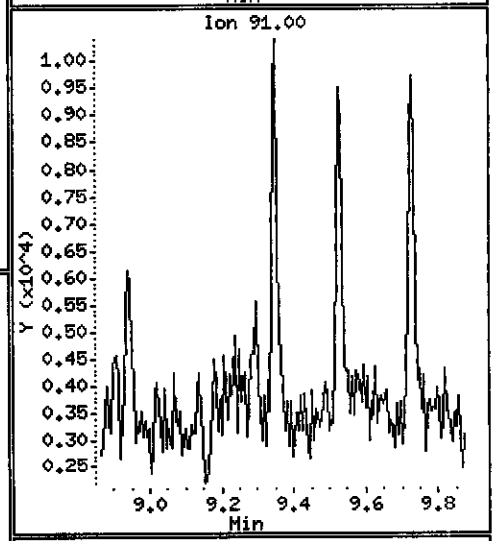


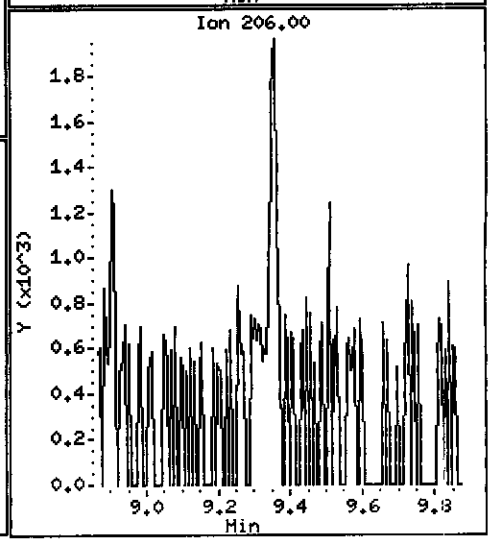












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027024.D

Date : 27-OCT-2010 08:15

Client ID: SD10-32

Instrument: 722.i

Sample Info: C0J210496-005 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

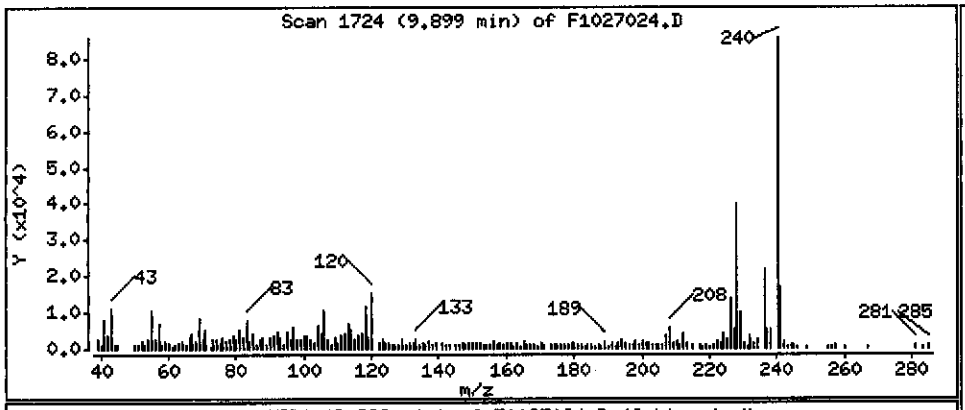
Operator: 007062

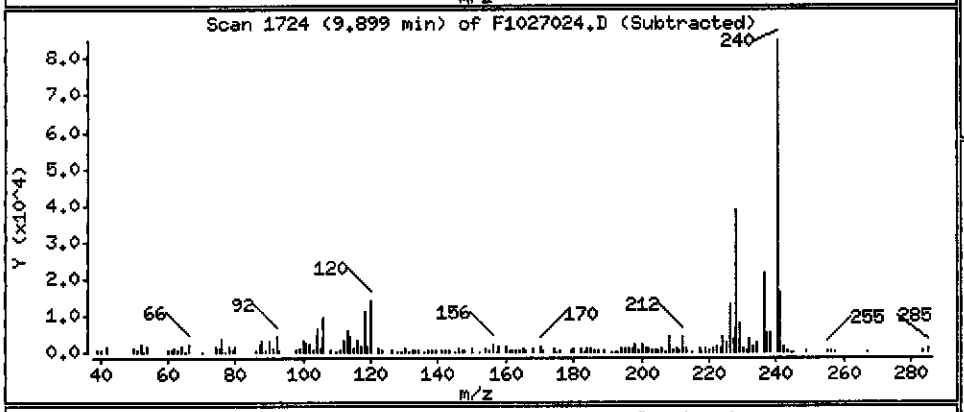
Column phase: Hp5-MS

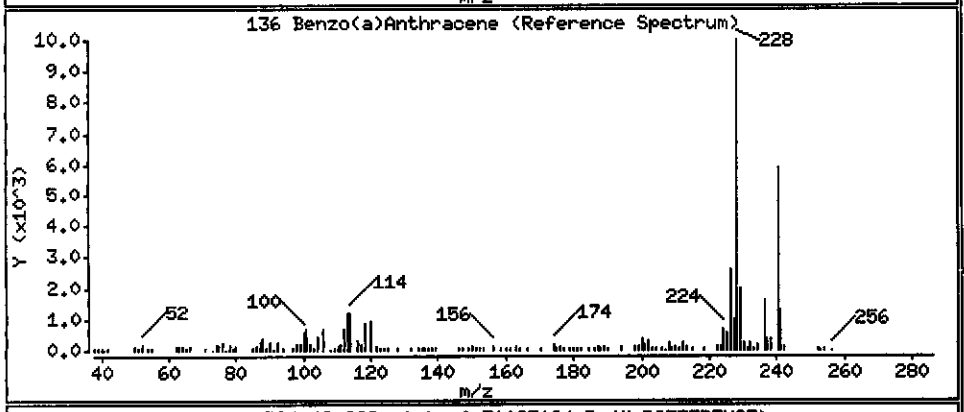
Column diameter: 0.25

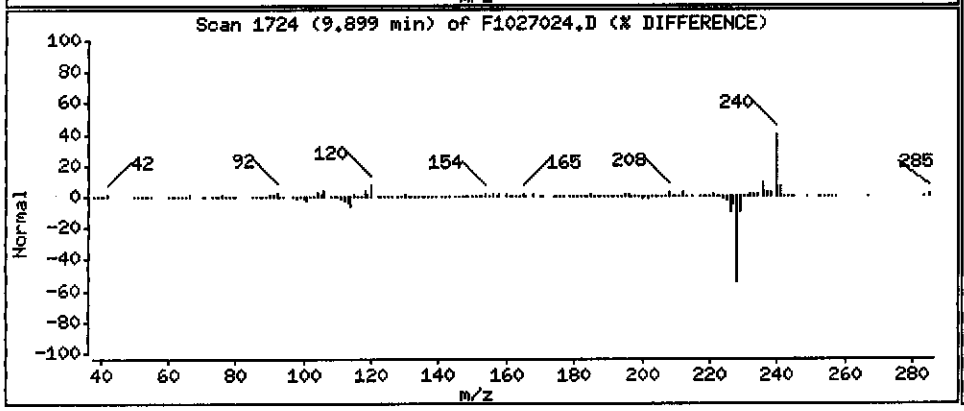
136 Benzo(a)Anthracene

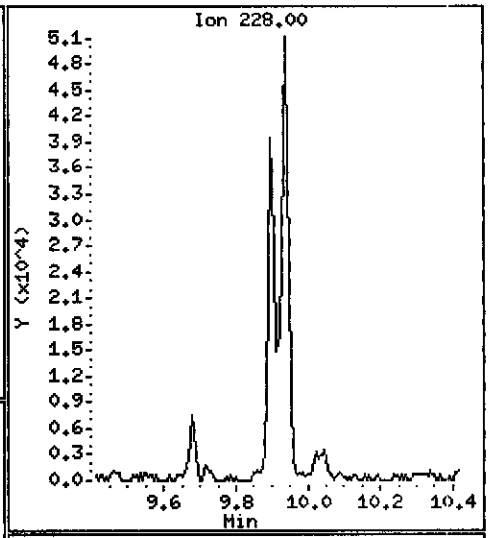
Concentration: 7.4902 ug/kg

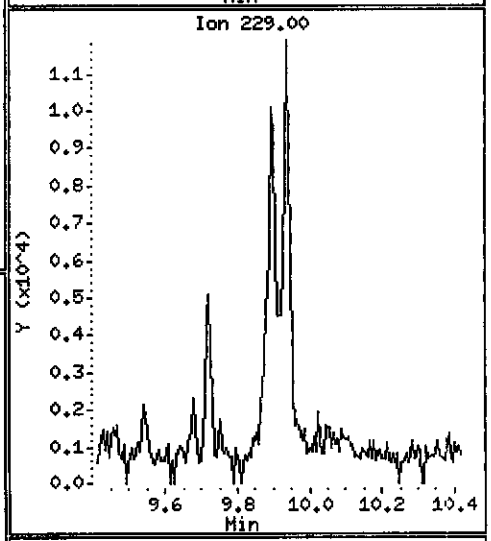


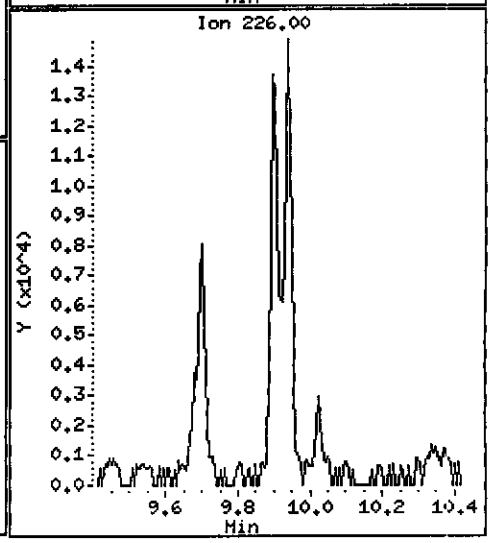












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027024.D

Date : 27-OCT-2010 08:15

Client ID: SD10-32

Instrument: 722.i

Sample Info: C0J210496-005 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

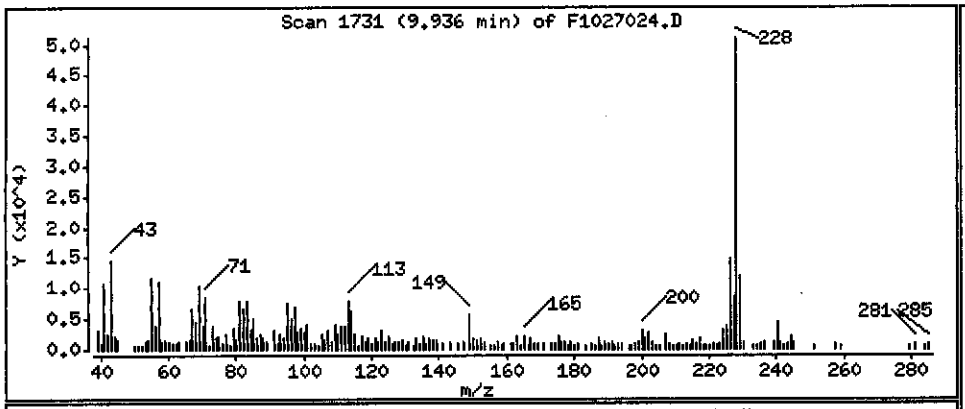
Operator: 007062

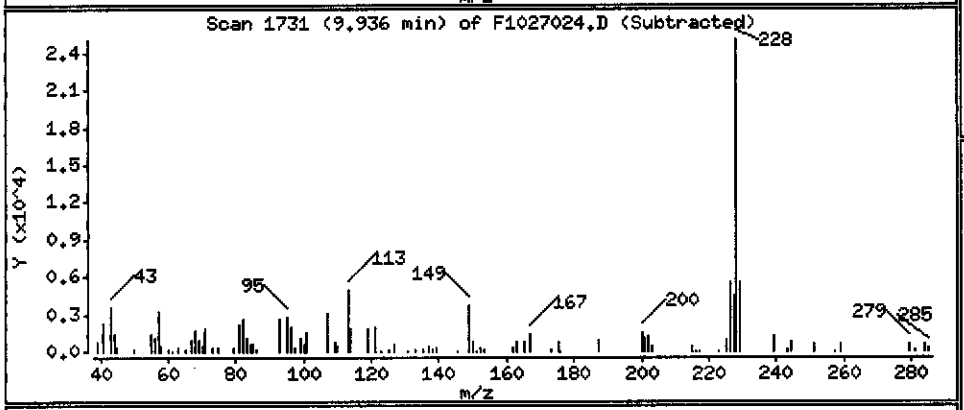
Column phase: Hp5-MS

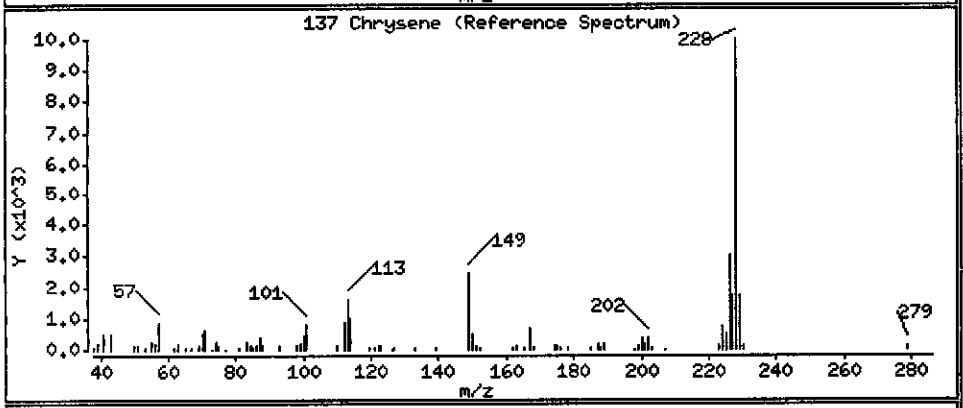
Column diameter: 0.25

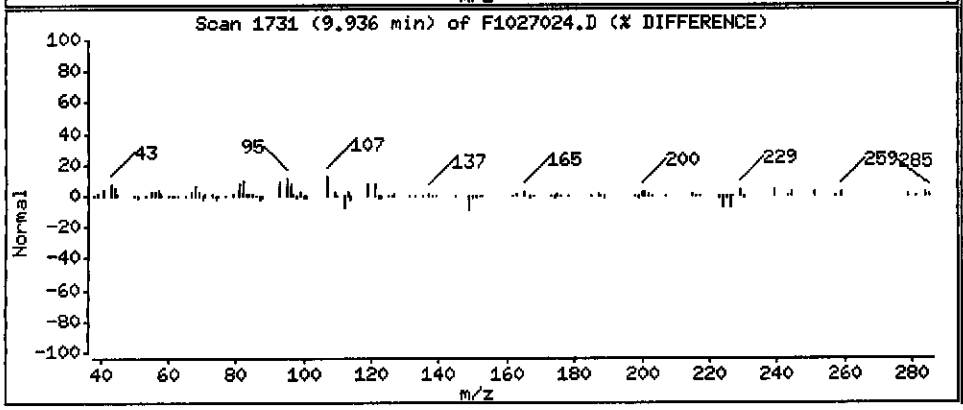
137 Chrysene

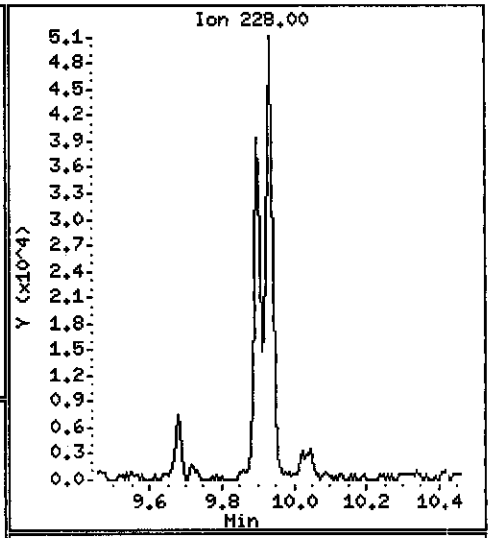
Concentration: 11.426 ug/kg

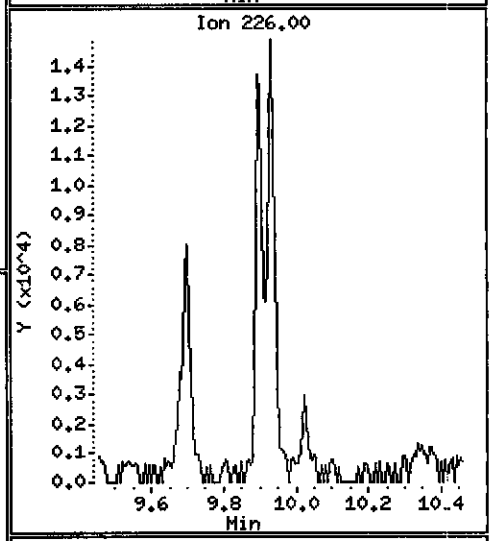


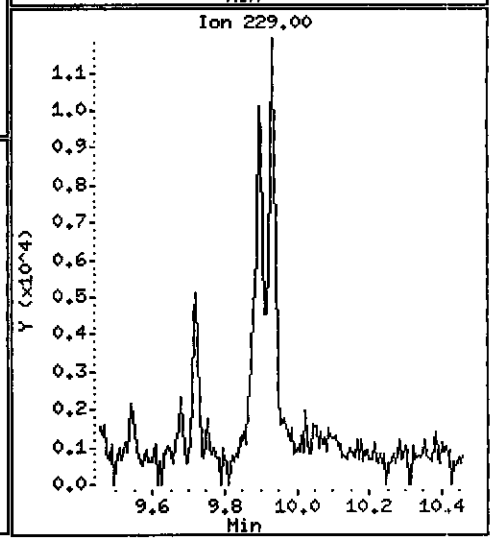












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027024.D

Date : 27-OCT-2010 08:15

Client ID: SD10-32

Instrument: 722.i

Sample Info: C0J210496-005 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

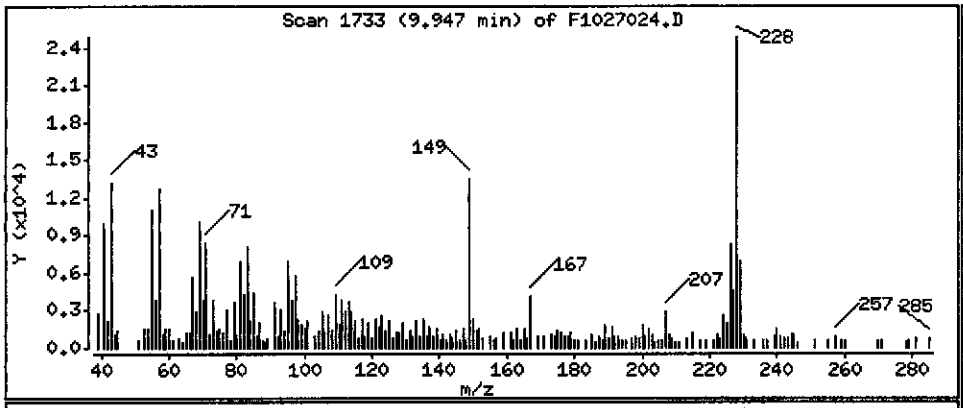
Operator: 007062

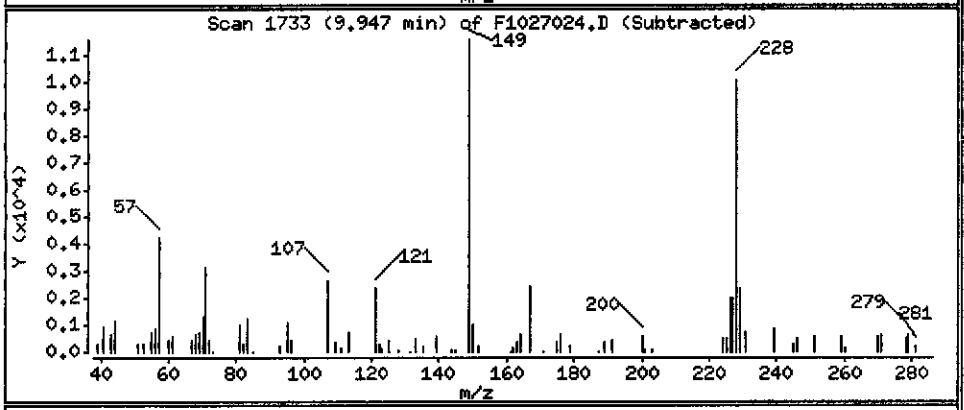
Column phase: Hp5-MS

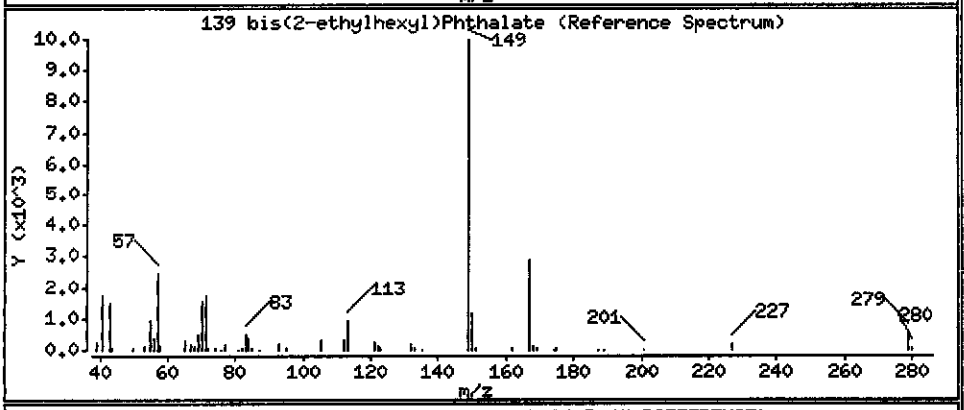
Column diameter: 0.25

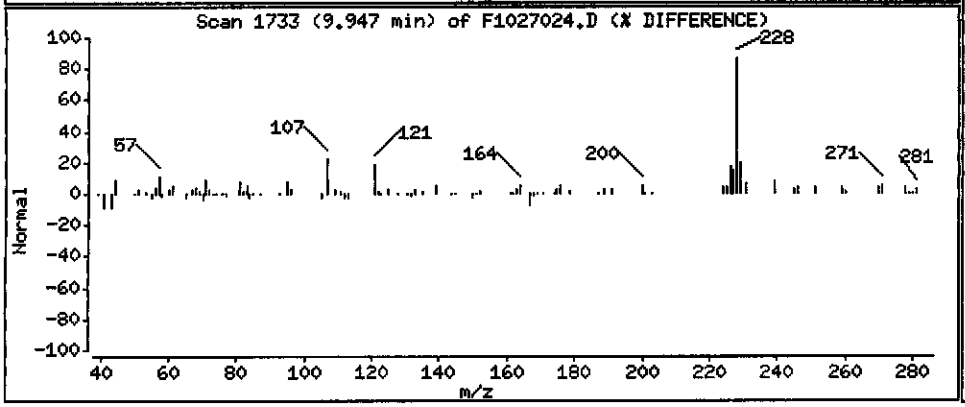
139 bis(2-ethylhexyl)Phthalate

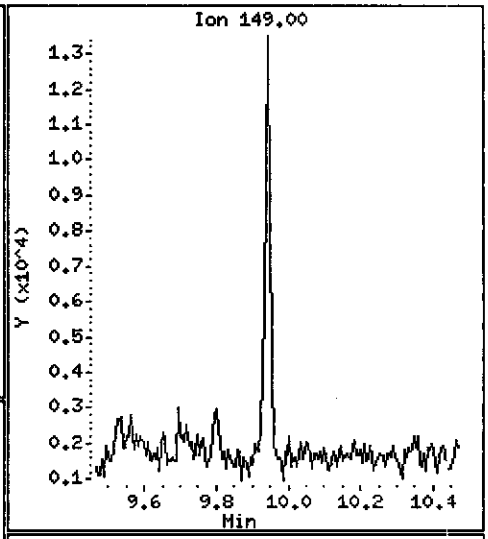
Concentration: 2.3992 ug/kg

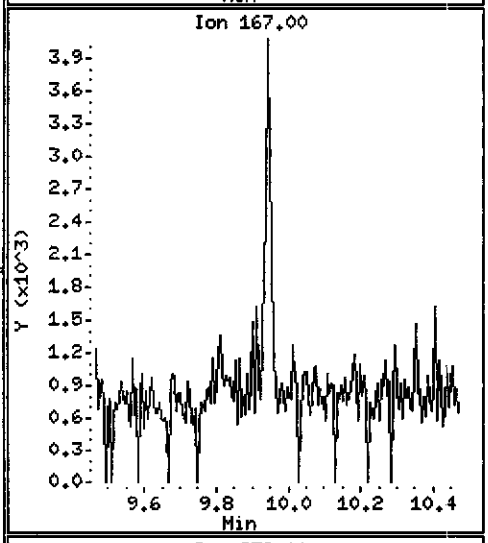


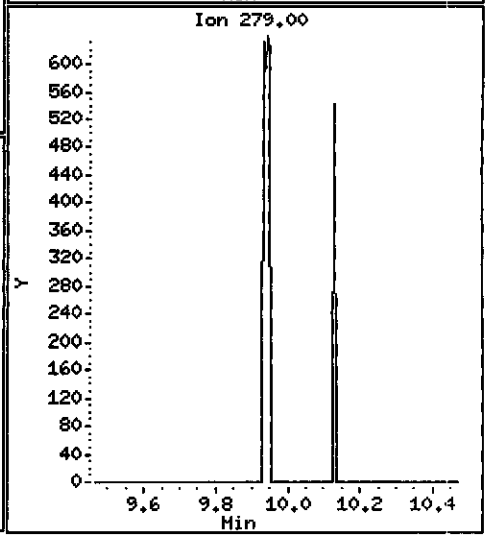












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027024.D

Date : 27-OCT-2010 08:15

Client ID: SD10-32

Instrument: 722.i

Sample Info: C0J210496-005 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

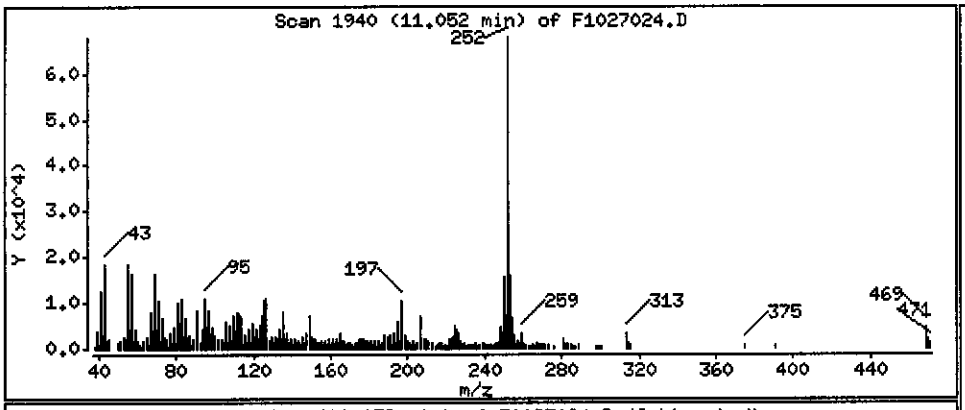
Operator: 007062

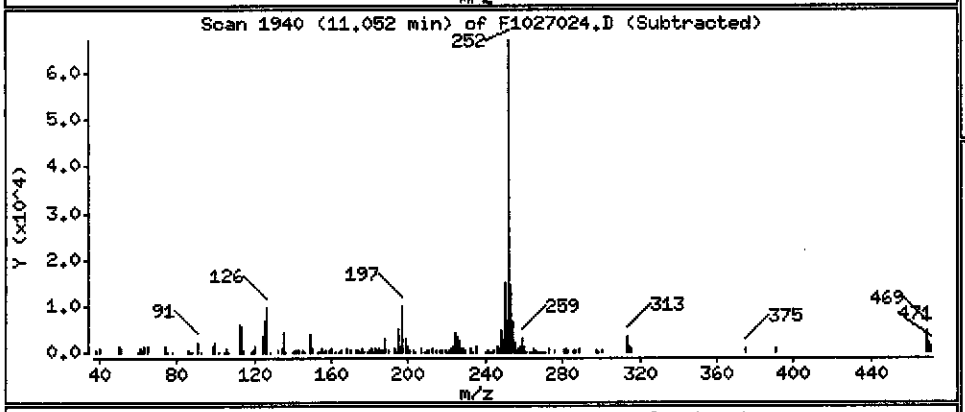
Column phase: Hp5-MS

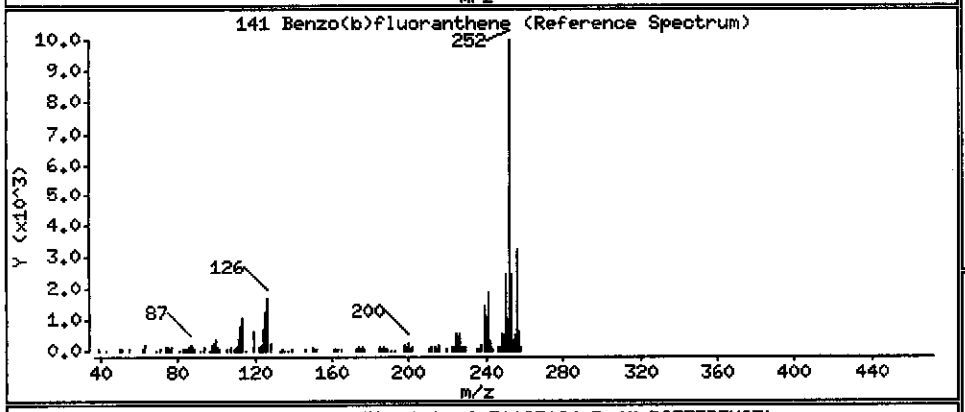
Column diameter: 0.25

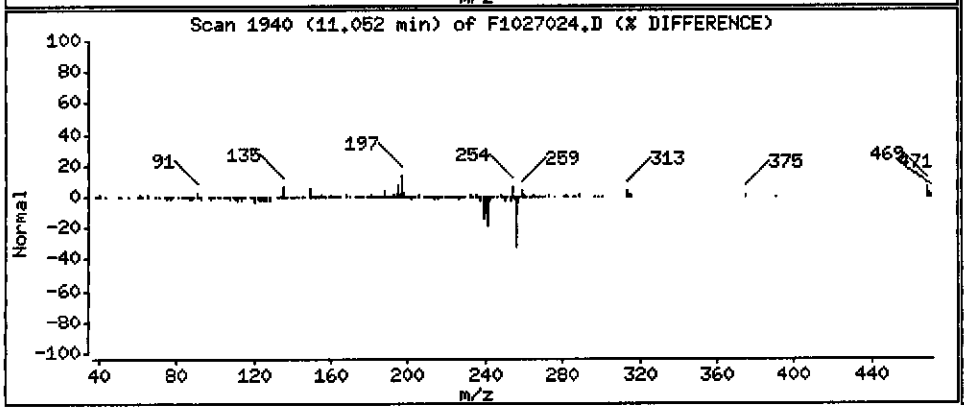
141 Benzo(b)fluoranthene

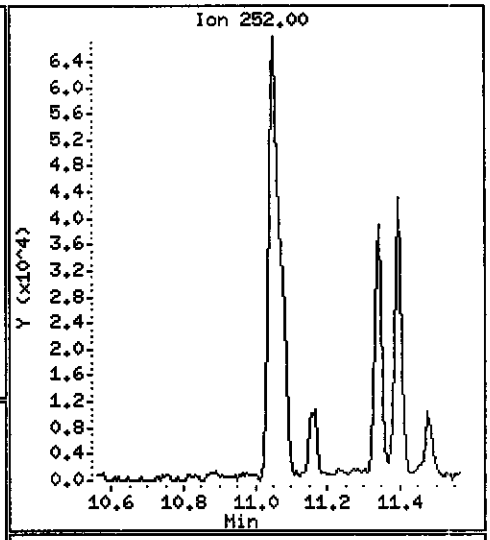
Concentration: 16.491 ug/kg

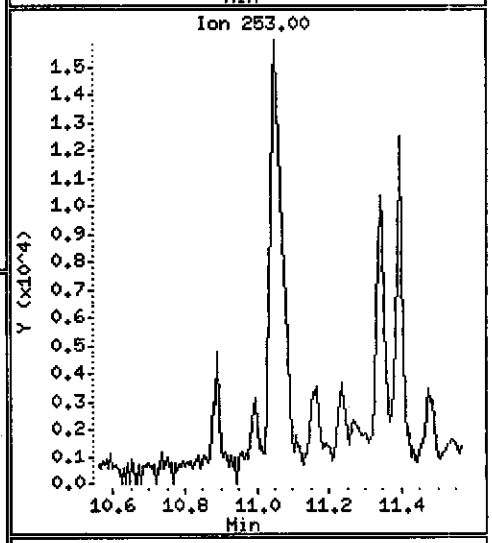


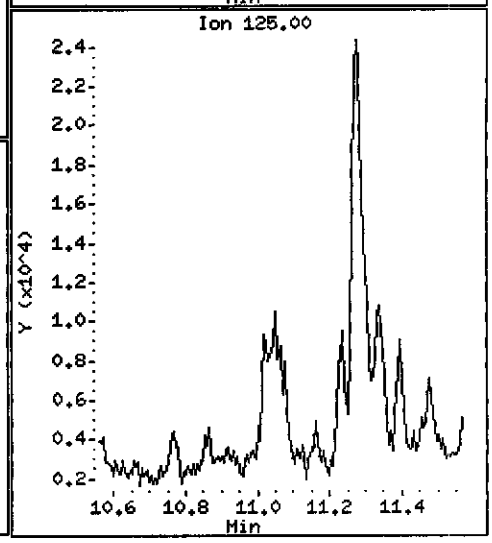












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027024.D

Date : 27-OCT-2010 08:15

Client ID: SD10-32

Instrument: 722.i

Sample Info: C0J210496-005 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

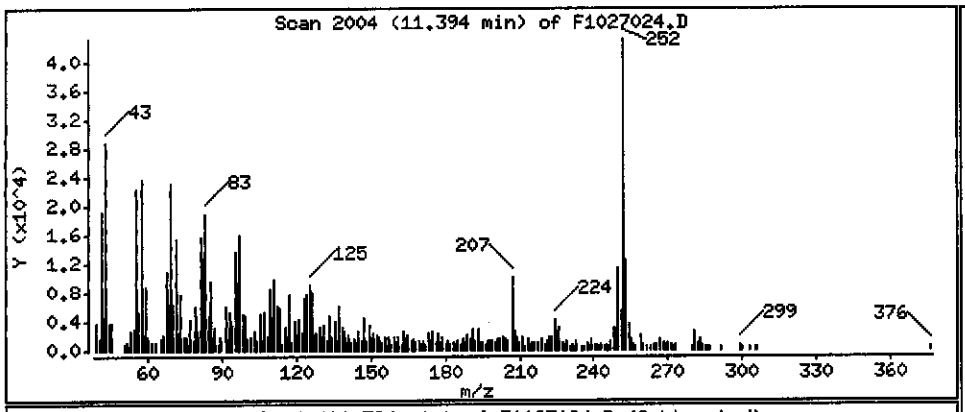
Operator: 007062

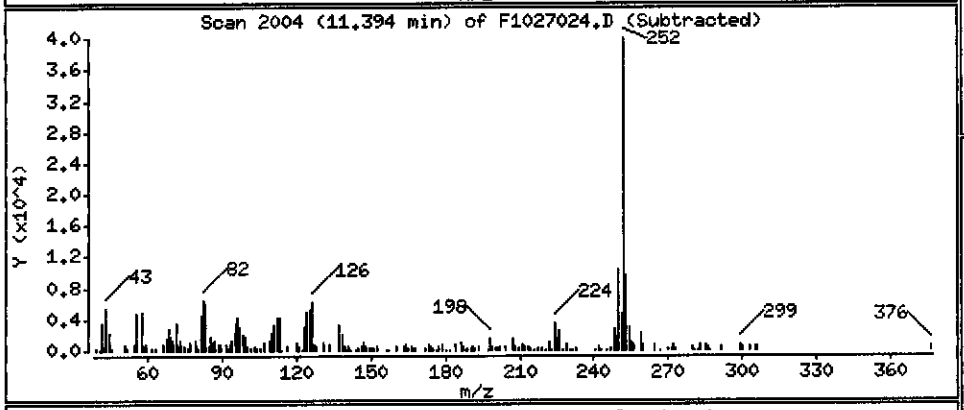
Column phase: Hp5-MS

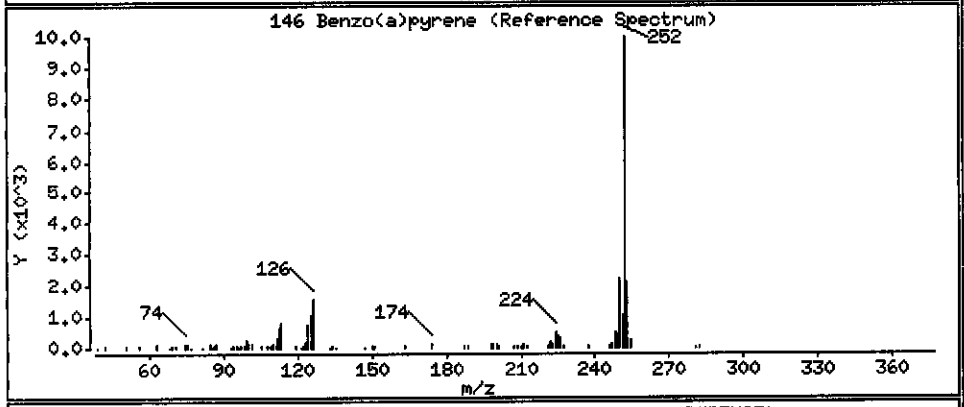
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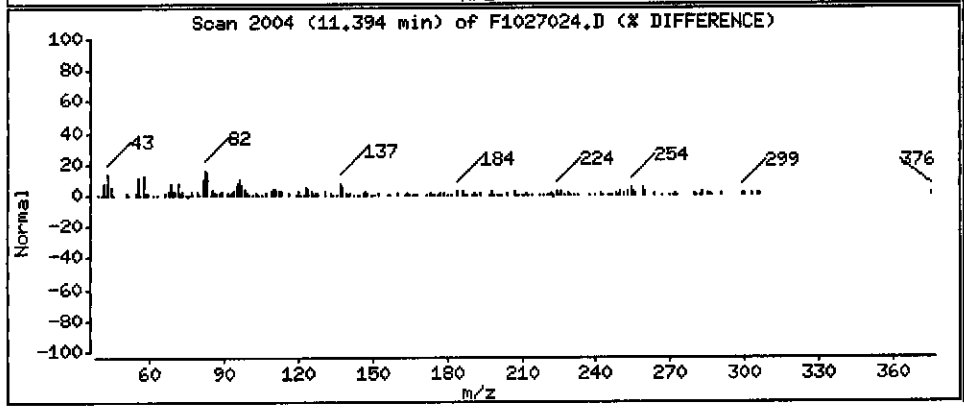
146 Benzo(a)pyrene

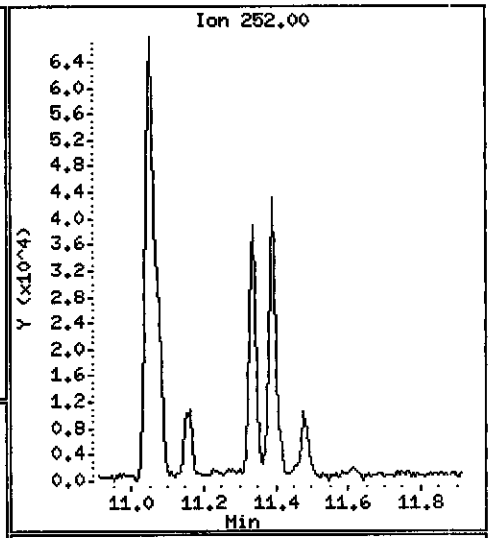
Concentration: 8.6188 ug/kg

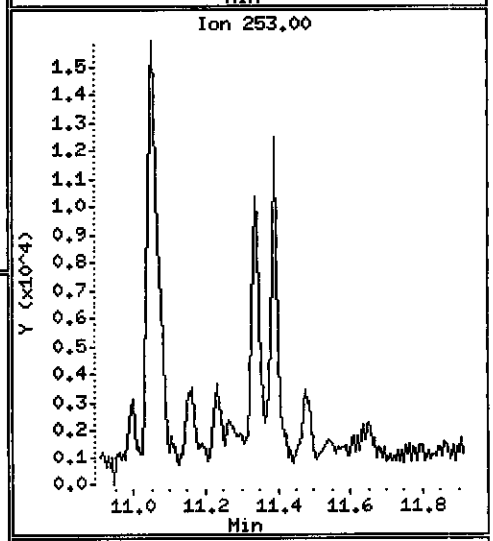


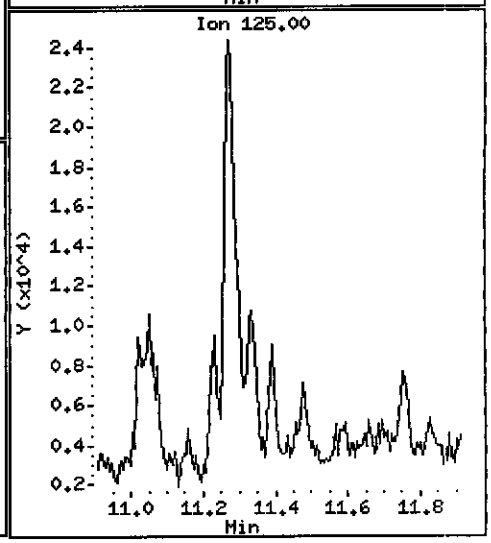












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027024.D

Date : 27-OCT-2010 08:15

Client ID: SD10-32

Instrument: 722.i

Sample Info: C0J210496-005 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

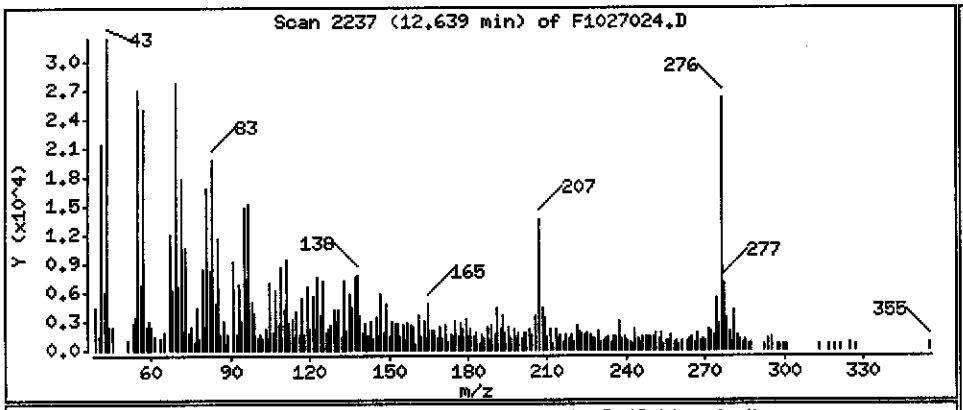
Operator: 007062

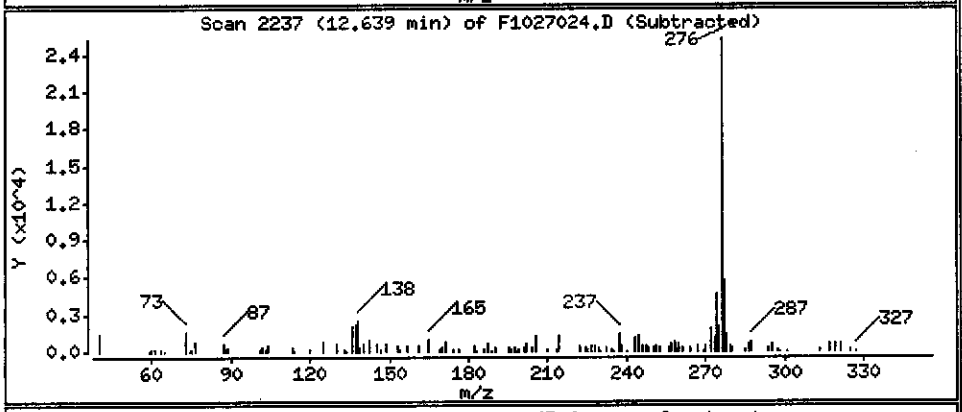
Column phase: Hp5-MS

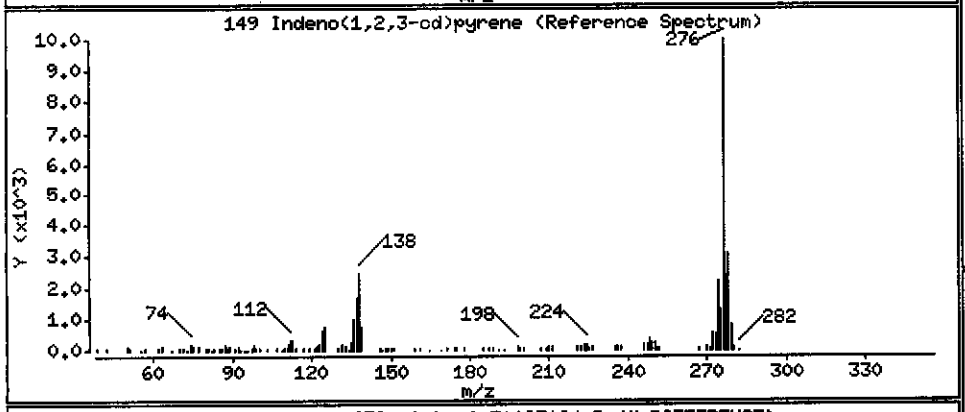
Column diameter: 0.25

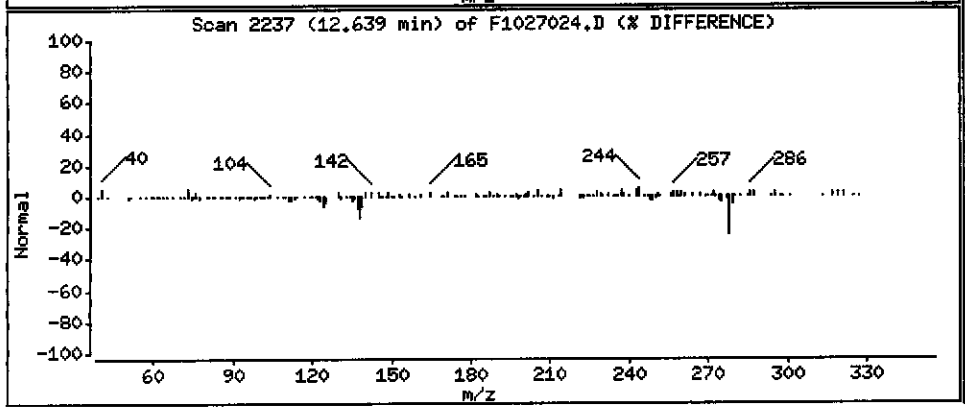
149 Indeno(1,2,3-cd)pyrene

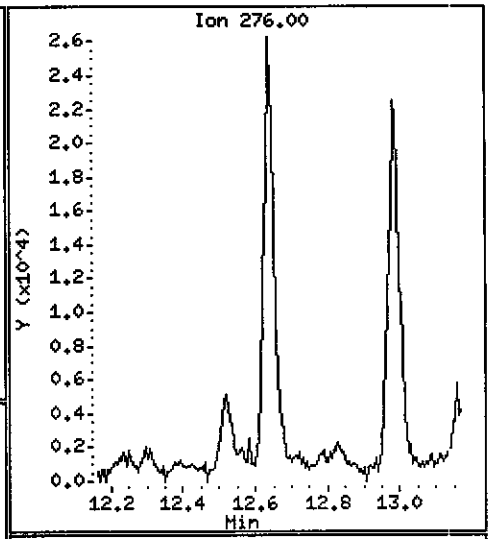
Concentration: 6.1659 ug/kg

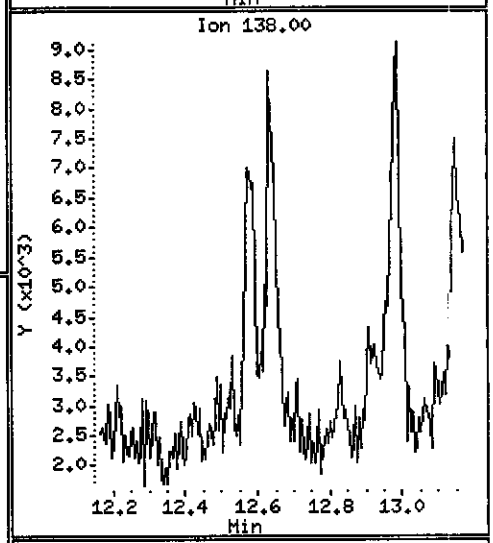


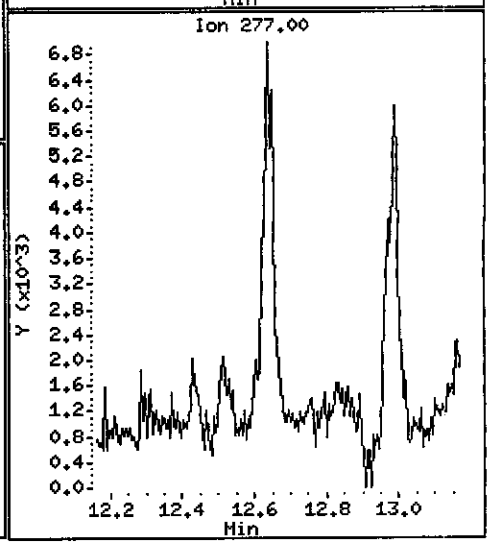












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027024.D

Date : 27-OCT-2010 08:15

Client ID: SD10-32

Instrument: 722.i

Sample Info: C0J210496-005 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

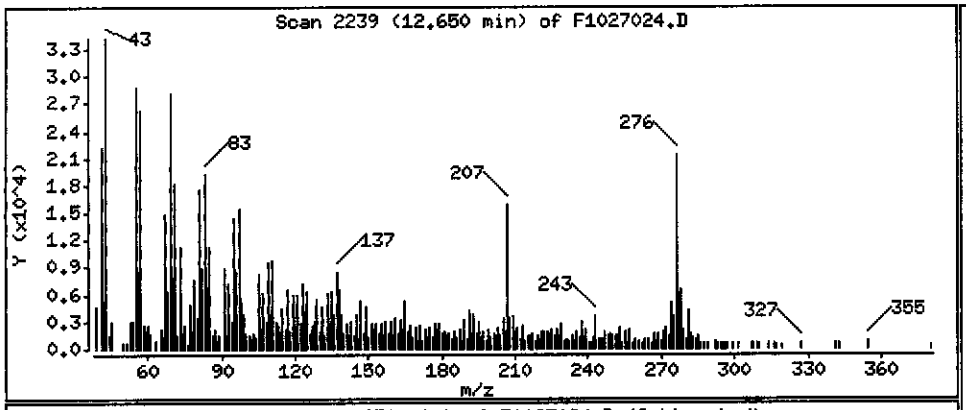
Operator: 007062

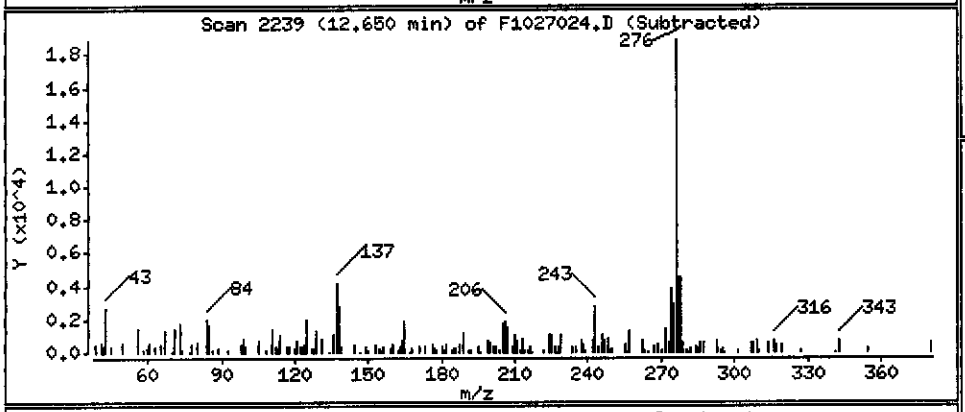
Column phase: Hp5-MS

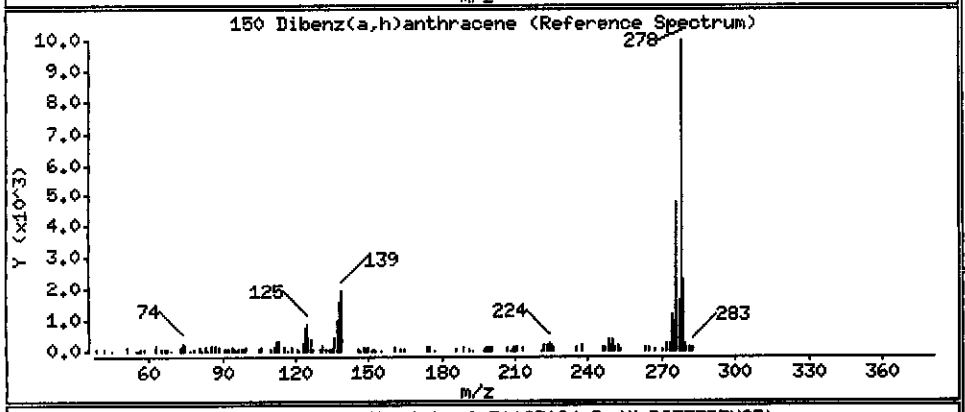
Column diameter: 0.25

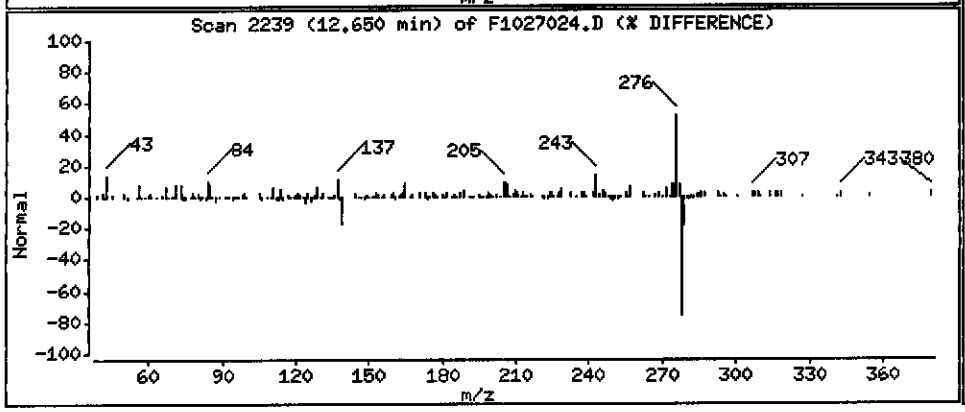
150 Dibenz(a,h)anthracene

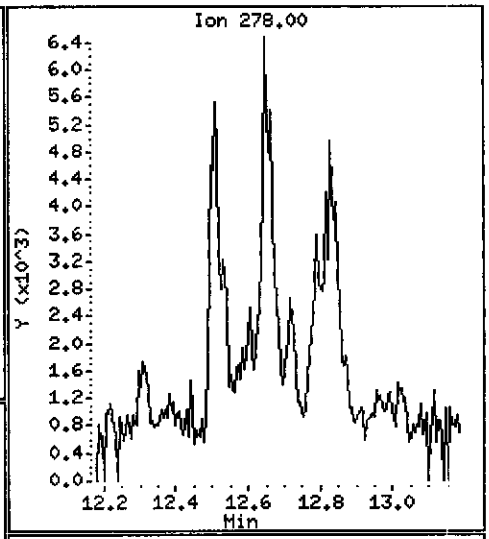
Concentration: 1.3982 ug/kg

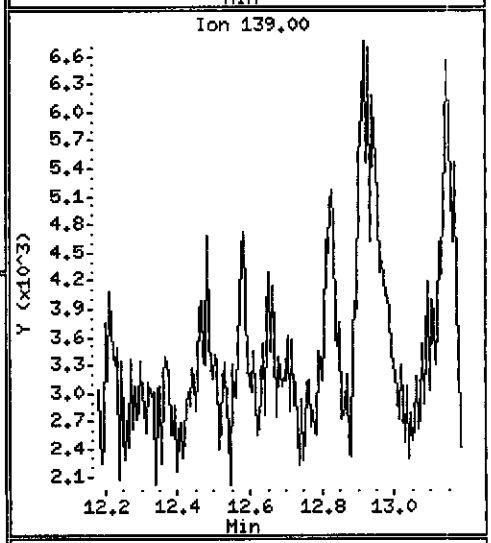


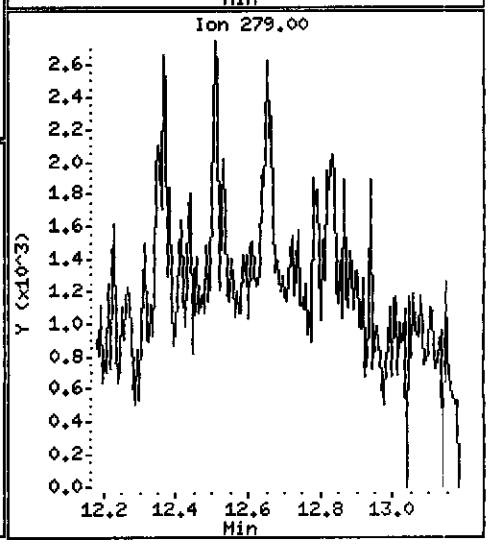












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027024.D

Date : 27-OCT-2010 08:15

Client ID: SD10-32

Instrument: 722.i

Sample Info: C0J210496-005 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

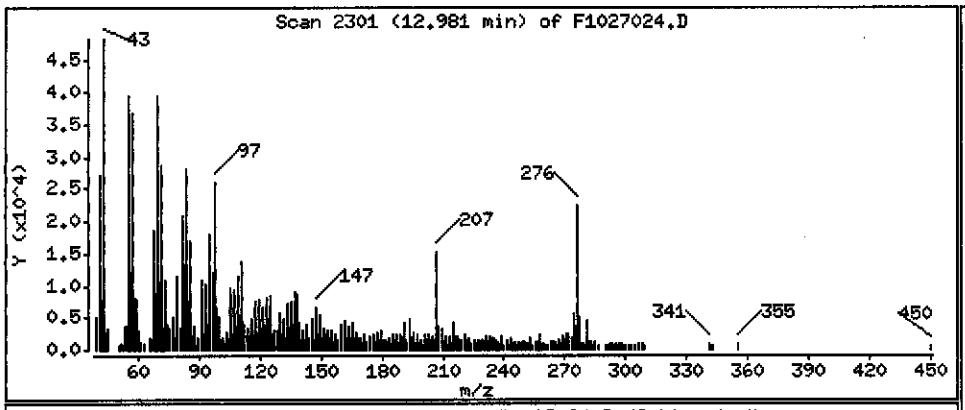
Operator: 007062

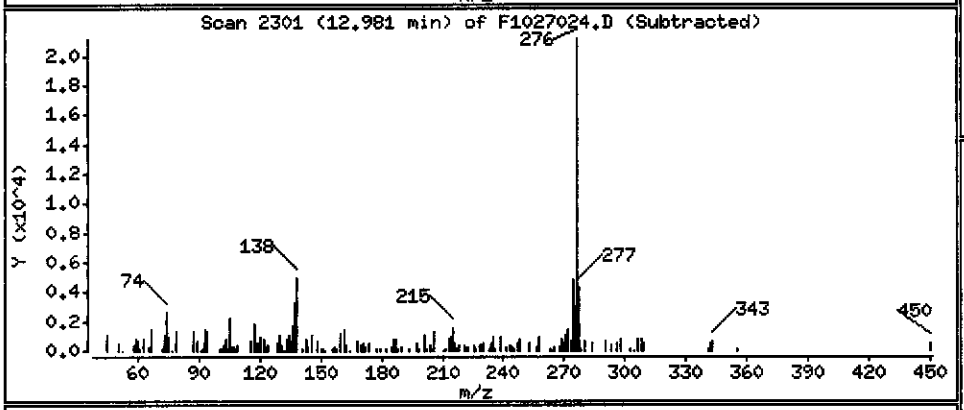
Column phase: Hp5-MS

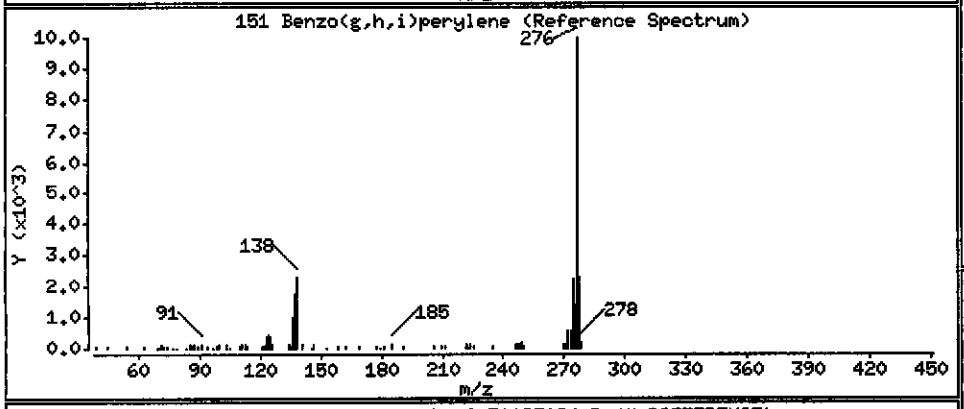
Column diameter: 0.25

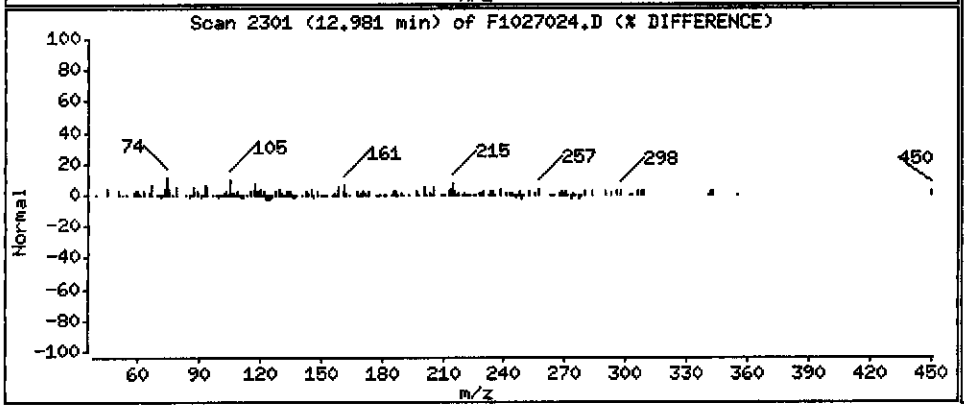
151 Benzo(g,h,i)perylene

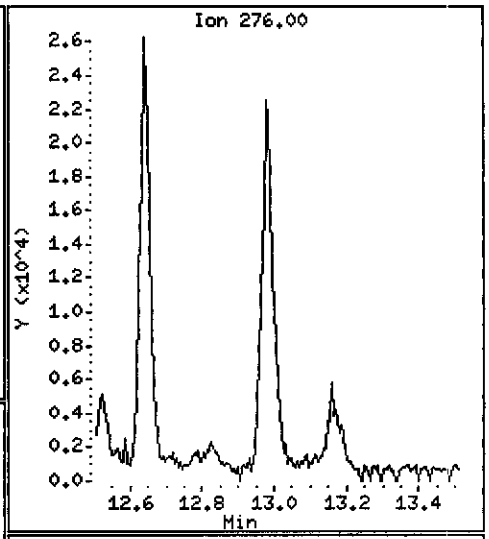
Concentration: 7.2451 ug/kg

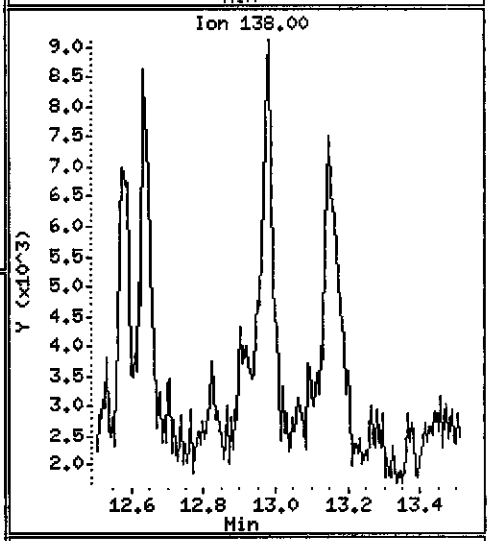


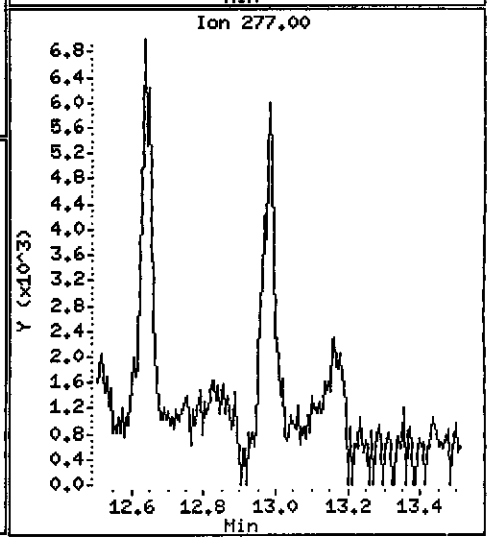




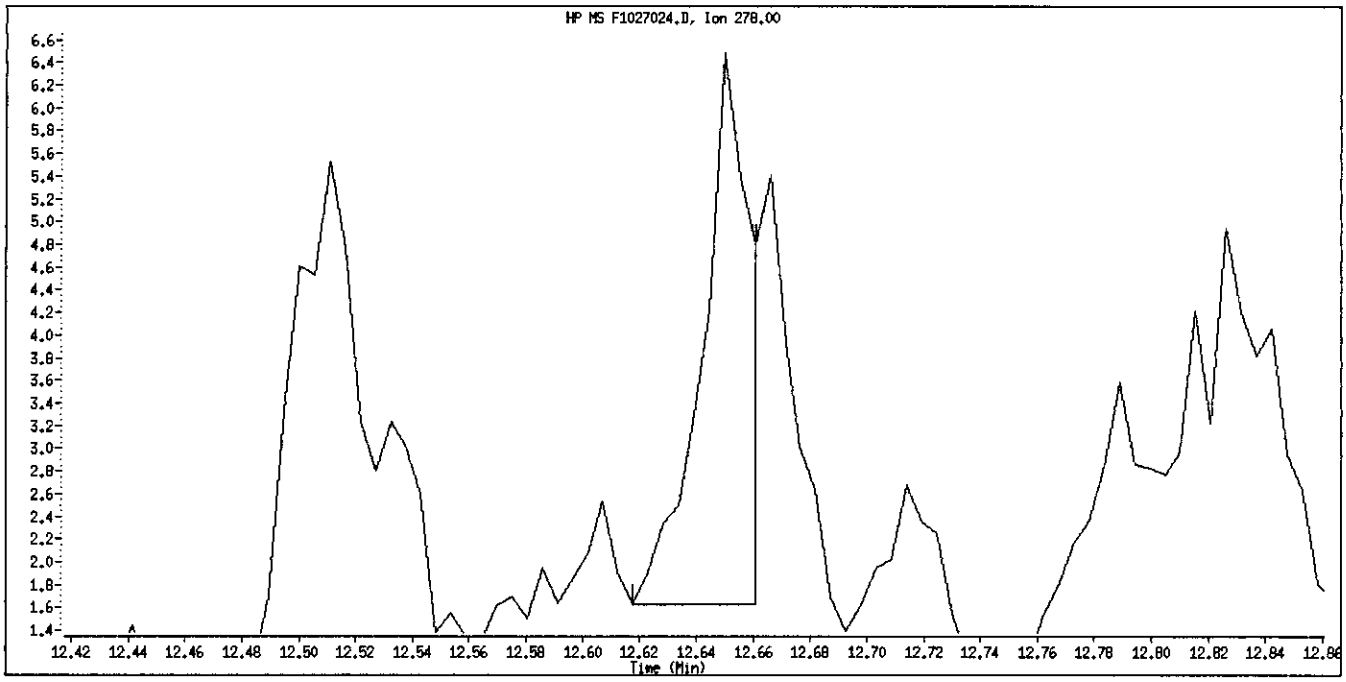




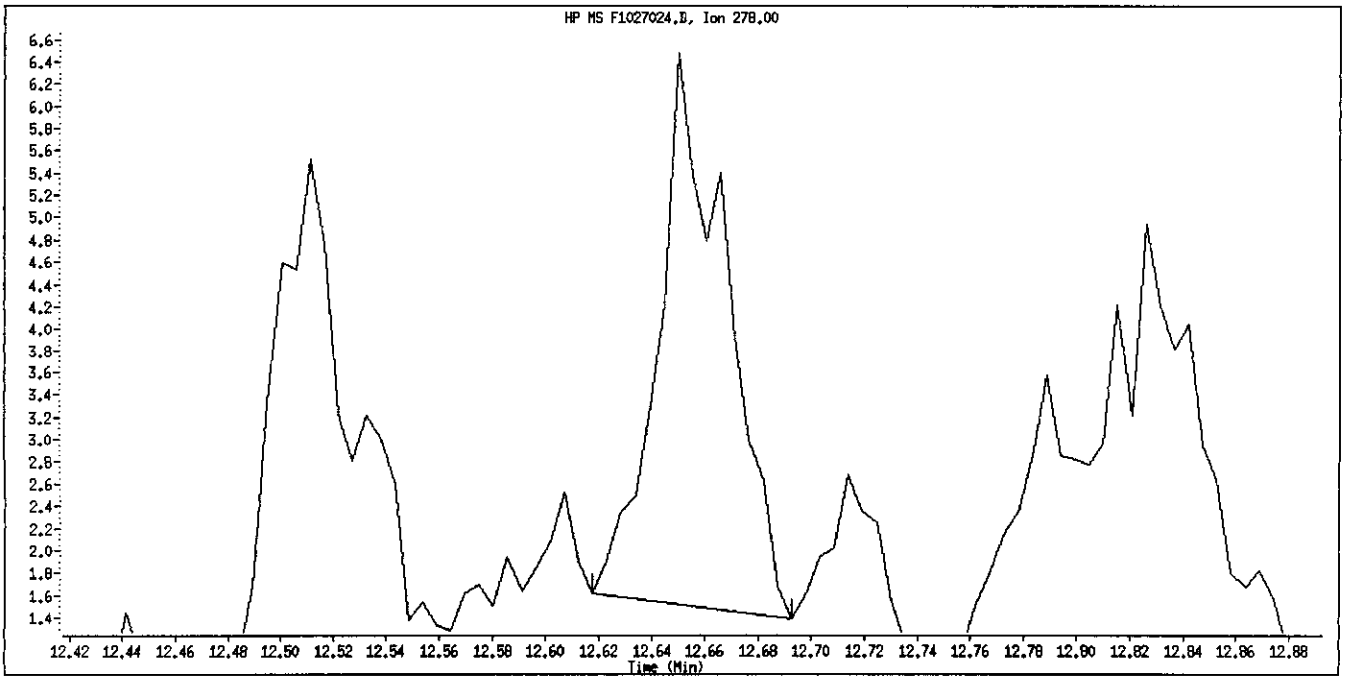




Data File Name: F1027024.D
Inj. Date and Time: 27-OCT-2010 08:15
Instrument ID: 722.i
Client ID: SD10-32
Compound Name: Dibenz(a,h)anthracene
CAS #: 53-70-3



Original Integration



Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

Leo Brausch Consulting

Client Sample ID: SD10-33

GC/MS Semivolatiles

Lot-Sample #...:	C0J210496-006	Work Order #...:	L8VLJ1AT	Matrix.....:	SOLID
Date Sampled...:	10/20/10 16:00	Date Received..:	10/21/10 10:00	MS Run #.....:	0299018
Prep Date.....:	10/26/10	Analysis Date..:	10/27/10		
Prep Batch #...:	0299052	Analysis Time..:	08:35		
Dilution Factor:	2.48	Initial Wgt/Vol:	30.2 g	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	59	Analyst ID.....:	007062	Instrument ID..:	722
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**89**	**40**	**ug/kg**	**3.9**
Acenaphthylene	**600**	**40**	**ug/kg**	**4.6**
Acetophenone	ND	200	ug/kg	16
Anthracene	**530**	**40**	**ug/kg**	**3.9**
Atrazine	ND	200	ug/kg	20
Benzo(a)anthracene	**1600**	**40**	**ug/kg**	**5.0**
Benzo(a)pyrene	**1500**	**40**	**ug/kg**	**4.0**
Benzo(b)fluoranthene	**2600**	**40**	**ug/kg**	**6.3**
Benzo(ghi)perylene	**1100**	**40**	**ug/kg**	**4.0**
Benzo(k)fluoranthene	ND	40	ug/kg	8.1
Benzaldehyde	**100 J**	**200**	**ug/kg**	**30**
1,1'-Biphenyl	ND	200	ug/kg	19
bis(2-Chloroethoxy) methane	ND	200	ug/kg	13
bis(2-Chloroethyl)-ether	ND	40	ug/kg	5.4
bis(2-Ethylhexyl) phthalate	**50 J**	**200**	**ug/kg**	**32**
4-Bromophenyl phenyl ether	ND	200	ug/kg	17
Butyl benzyl phthalate	**37 J**	**200**	**ug/kg**	**27**
Caprolactam	ND	1000	ug/kg	150
Carbazole	**240**	**40**	**ug/kg**	**3.7**
4-Chloroaniline	ND	200	ug/kg	16
4-Chloro-3-methylphenol	ND	200	ug/kg	18
2-Chloronaphthalene	ND	40	ug/kg	4.2
2-Chlorophenol	ND	200	ug/kg	16
4-Chlorophenyl phenyl ether	ND	200	ug/kg	22
Chrysene	**2000**	**40**	**ug/kg**	**4.8**
Dibenz(a,h)anthracene	**340**	**40**	**ug/kg**	**4.5**
Dibenzofuran	**36 J**	**200**	**ug/kg**	**20**
3,3'-Dichlorobenzidine	ND	200	ug/kg	21
2,4-Dichlorophenol	ND	40	ug/kg	4.0
Diethyl phthalate	ND	200	ug/kg	22
2,4-Dimethylphenol	ND	200	ug/kg	31
Dimethyl phthalate	ND	200	ug/kg	22

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: SD10-33

GC/MS Semivolatiles

Lot-Sample #...: C0J210496-006 **Work Order #...:** L8VLJ1AT **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	200	ug/kg	25
4,6-Dinitro-2-methylphenol	ND	1000	ug/kg	81
2,4-Dinitrophenol	ND	1000	ug/kg	240
2,4-Dinitrotoluene	ND	200	ug/kg	16
2,6-Dinitrotoluene	ND	200	ug/kg	21
Di-n-octyl phthalate	ND	200	ug/kg	21
Fluoranthene	**5200**	**40**	**ug/kg**	**4.3**
Fluorene	**120**	**40**	**ug/kg**	**5.3**
Hexachlorobenzene	ND	40	ug/kg	4.3
Hexachlorobutadiene	ND	40	ug/kg	4.5
Hexachlorocyclopentadiene	ND	200	ug/kg	22
Hexachloroethane	ND	200	ug/kg	14
Indeno(1,2,3-cd)pyrene	**950**	**40**	**ug/kg**	**4.1**
Isophorone	ND	200	ug/kg	15
2-Methylnaphthalene	**16 J**	**40**	**ug/kg**	**3.6**
2-Methylphenol	ND	200	ug/kg	14
4-Methylphenol	**26 J**	**200**	**ug/kg**	**20**
Naphthalene	**21 J**	**40**	**ug/kg**	3.5
2-Nitroaniline	ND	1000	ug/kg	90
3-Nitroaniline	ND	1000	ug/kg	83
4-Nitroaniline	ND	1000	ug/kg	81
Nitrobenzene	ND	40	ug/kg	17
2-Nitrophenol	ND	200	ug/kg	22
4-Nitrophenol	ND	1000	ug/kg	68
N-Nitrosodi-n-propylamine	ND	40	ug/kg	4.7
N-Nitrosodiphenylamine	ND	40	ug/kg	19
2,2'-oxybis (1-Chloropropane)	ND	40	ug/kg	4.3
Pentachlorophenol	ND	200	ug/kg	18
Phenanthrene	**1400**	**40**	**ug/kg**	**6.4**
Phenol	ND	40	ug/kg	4.7
Pyrene	**2900**	**40**	**ug/kg**	**4.1**
2,4,5-Trichlorophenol	ND	200	ug/kg	21
2,4,6-Trichlorophenol	ND	200	ug/kg	30

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: SD10-33

GC/MS Semivolatiles

Lot-Sample #...: C0J210496-006 **Work Order #...:** L8VLJ1AT **Matrix.....:** SOLID

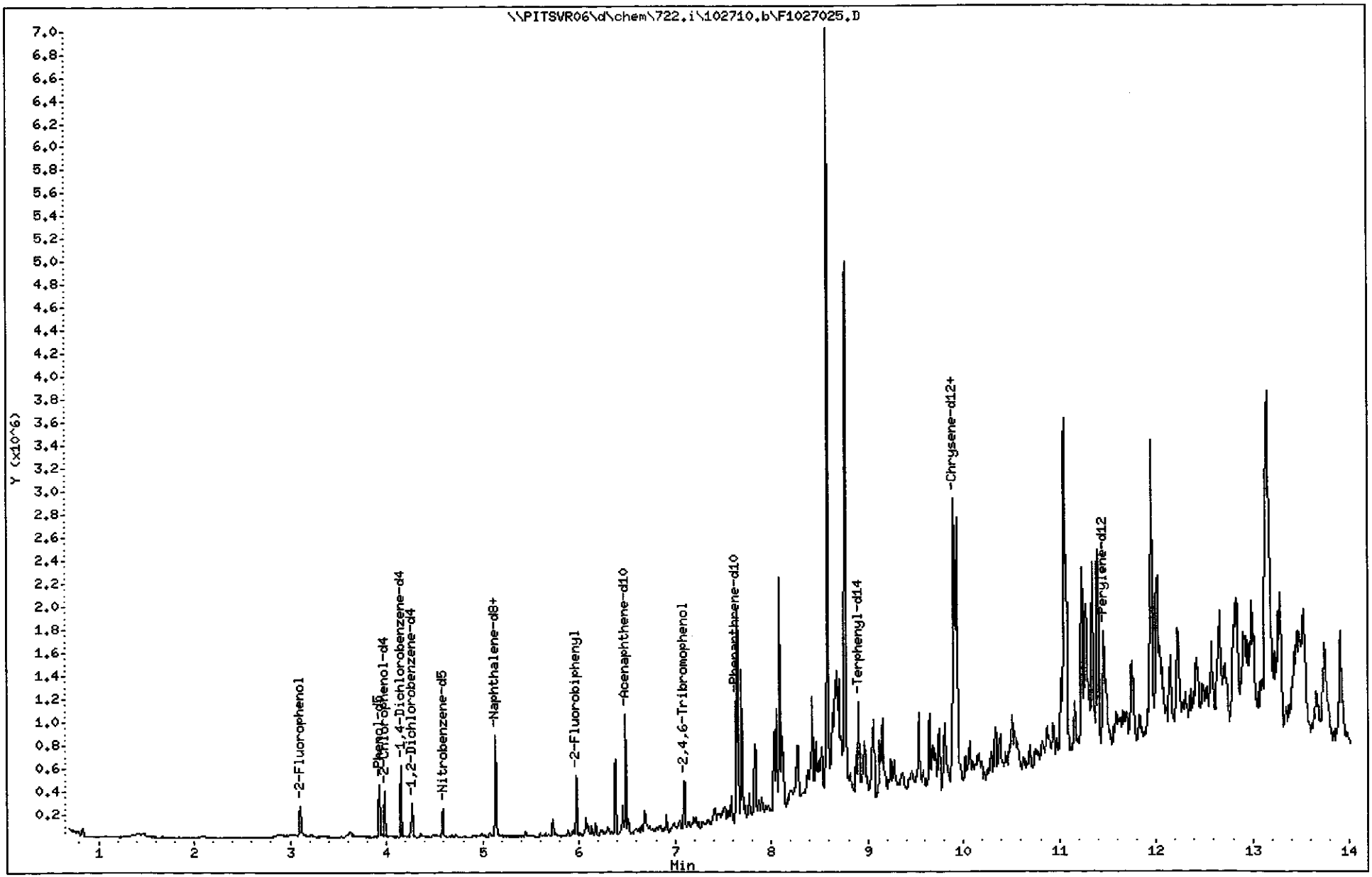
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	54	(27 - 110)
Terphenyl-d14	54	(21 - 130)
2-Fluorobiphenyl	58	(28 - 108)
2-Fluorophenol	60	(28 - 107)
Phenol-d5	60	(30 - 112)
2,4,6-Tribromophenol	66	(21 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D
Date : 27-OCT-2010 08:35
Client ID: SD10-33
Instrument: 722.i
Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)
Volume Injected (uL): 2.0
Operator: 007062
Column phase: Hp5-MS
Column diameter: 0.25



Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\d\chem\722.i\102710.b\F1027025.D
Lab Smp Id: l8vljlat Client Smp ID: SD10-33
Inj Date : 27-OCT-2010 08:35
Operator : 007062 Inst ID: 722.i
Smp Info : C0J210496-006 x5 10/26/10 Soil (0299052)
Misc Info : l8vljlat,102710.b,ll.m,428270.sub
Comment :
Method : \\PITSVR06\d\chem\722.i\102710.b\LL.m
Meth Date : 28-Oct-2010 02:25 bungardf Quant Type: ISTD
Cal Date : 02-SEP-2010 04:00 Cal File: F09020C8.D
Als bottle: 27
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: 428270.sub
Target Version: 4.14
Processing Host: PITPC-503

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws)*1 * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.200	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)	
* 1	1,4-Dichlorobenzene-d4	152	4.150	4.155	(1.000)	92477	8.00000		(a)
* 2	Naphthalene-d8	136	5.138	5.138	(1.000)	323068	8.00000		(a)
* 3	Acenaphthene-d10	164	6.484	6.490	(1.000)	180062	8.00000		(a)
* 4	Phenanthrene-d10	188	7.633	7.644	(1.000)	285327	8.00000		(a)
* 5	Chrysene-d12	240	9.914	9.925	(1.000)	352600	8.00000		(a)
* 6	Perylene-d12	264	11.463	11.469	(1.000)	413148	8.00000		(a)
198	1,4-Dioxane	88	Compound Not Detected.						
220	Benzaldehyde	77	3.797	3.798	(0.915)	2683	1.02364	42.369	(a)
10	N-Nitrosodimethylamine	74	Compound Not Detected.						
9	Pyridine	79	Compound Not Detected.						
16	Methyl methanesulfonate	80	Compound Not Detected.						
21	Aniline	93	Compound Not Detected.						
22	Phenol	94	Compound Not Detected.						
23	bis(2-Chloroethyl)ether	93	Compound Not Detected.						
24	2-Chlorophenol	128	Compound Not Detected.						
26	1,3-Dichlorobenzene	146	Compound Not Detected.						
27	1,4-Dichlorobenzene	146	Compound Not Detected.						
28	1,2-Dichlorobenzene	146	Compound Not Detected.						
227	Indene	116	4.358	4.353	(1.050)	11150	0.39667	16.418	(aA)
29	Benzyl Alcohol	108	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)
30	2-Methylphenol	108	Compound Not Detected.					
31	2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
37	Acetophenone	105	Compound Not Detected.					
32	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192	4-Methylphenol	108	4.518	4.513	(1.089)	3705	0.25938	10.736(aQ)
34	Hexachloroethane	117	Compound Not Detected.					
35	Nitrobenzene	77	Compound Not Detected.					
36	N-Nitrosopyrrolidine	100	Compound Not Detected.					
41	Isophorone	82	Compound Not Detected.					
42	2-Nitrophenol	139	Compound Not Detected.					
43	2,4-Dimethylphenol	107	Compound Not Detected.					
44	bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48	2,4-Dichlorophenol	162	Compound Not Detected.					
49	Benzoic Acid	122	Compound Not Detected.					
50	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51	Naphthalene	128	5.154	5.154	(1.003)	8995	0.20993	8.6890(a)
52	4-Chloroaniline	127	Compound Not Detected.					
54	2,6-Dichlorophenol	162	Compound Not Detected.					
56	Hexachlorobutadiene	224	Compound Not Detected.					
221	Caprolactam	113	Compound Not Detected.					
59	4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62	2-Methylnaphthalene	142	5.688	5.694	(1.107)	4453	0.15788	6.5347(a)
205	1-Methylnaphthalene	142	5.763	5.769	(1.122)	4070	0.15106	6.2523(a)
64	Hexachlorocyclopentadiene	236	Compound Not Detected.					
65	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66	2,4,6-Trichlorophenol	196	Compound Not Detected.					
67	2,4,5-Trichlorophenol	196	Compound Not Detected.					
222	1,1'-Biphenyl	154	Compound Not Detected.					
70	2-Chloronaphthalene	162	Compound Not Detected.					
73	2-Nitroaniline	65	Compound Not Detected.					
76	Dimethylphthalate	163	Compound Not Detected.					
78	2,6-Dinitrotoluene	165	Compound Not Detected.					
79	Acenaphthylene	152	6.377	6.383	(0.984)	247169	5.96614	246.94(a)
81	3-Nitroaniline	138	Compound Not Detected.					
82	Acenaphthene	153	6.511	6.517	(1.004)	22825	0.88520	36.639(a)
83	2,4-Dinitrophenol	184	Compound Not Detected.					
85	4-Nitrophenol	109	Compound Not Detected.					
86	Dibenzofuran	168	6.645	6.650	(1.025)	12863	0.35439	14.668(a)
87	2,4-Dinitrotoluene	165	Compound Not Detected.					
91	2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
88	2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
92	2-Naphthylamine	143	Compound Not Detected.					
93	Diethylphthalate	149	Compound Not Detected.					
94	Fluorene	166	6.906	6.917	(1.065)	35605	1.19576	49.493(a)
95	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96	4-Nitroaniline	138	Compound Not Detected.					
98	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99	N-Nitrosodiphenylamine	169	Compound Not Detected.					
100	1,2-Diphenylhydrazine	77	Compound Not Detected.					
106	4-Bromophenyl-phenylether	248	Compound Not Detected.					
107	Hexachlorobenzene	283	Compound Not Detected.					
223	Atrazine	200	Compound Not Detected.					
111	Pentachlorophenol	265	Compound Not Detected.					
115	Phenanthrene	178	7.649	7.660	(1.002)	567260	13.9938	579.21(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)
116 Anthracene	178	7.692	7.697	(1.008)	214591	5.28292	218.66(a)
119 Carbazole	167	7.820	7.831	(1.024)	86877	2.37259	98.203(a)
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	8.584	8.595	(1.125)	2105412	51.4793	2130.8
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	8.771	8.782	(0.885)	1612189	29.3432	1214.5(a)
131 Butylbenzylphthalate	149	9.353	9.369	(0.943)	10138	0.36884	15.266(a)
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	9.903	9.914	(0.999)	811901	16.1645	669.06(a)
137 Chrysene	228	9.941	9.957	(1.003)	952595	19.9056	823.91(a)
139 bis(2-ethylhexyl)Phthalate	149	9.941	9.968	(1.003)	19655	0.49982	20.688(a)
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	11.062	11.063	(0.965)	1806691	26.2920	1088.2(a)
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	11.399	11.410	(0.994)	742482	14.6645	606.97(a)
149 Indeno(1,2,3-cd)pyrene	276	12.660	12.666	(1.104)	599847	9.45002	391.14(a)
150 Dibenz(a,h)anthracene	278	12.665	12.682	(1.105)	180052	3.42768	141.87(a)
151 Benzo(g,h,i)perylene	276	12.996	13.007	(1.134)	561434	10.4781	433.70(a)
$ 154 Nitrobenzene-d5	82	4.588	4.588	(0.893)	72146	4.34643	179.90(a)
$ 155 2-Fluorobiphenyl	172	5.977	5.977	(0.922)	137124	4.60051	190.42(a)
$ 156 Terphenyl-d14	244	8.904	8.921	(0.898)	158198	4.33844	179.57(a)
$ 157 Phenol-d5	99	3.925	3.926	(0.946)	133461	7.15751	296.25(a)
$ 158 2-Fluorophenol	112	3.103	3.114	(0.748)	97891	7.23583	299.50(a)
$ 159 2,4,6-Tribromophenol	330	7.099	7.104	(0.930)	24829	7.91962	327.80(a)
$ 186 2-Chlorophenol-d4	132	3.984	3.985	(0.960)	110978	6.71966	278.13(a)
$ 187 1,2-Dichlorobenzene-d4	152	4.273	4.273	(1.030)	42339	3.72658	154.24(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.

Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

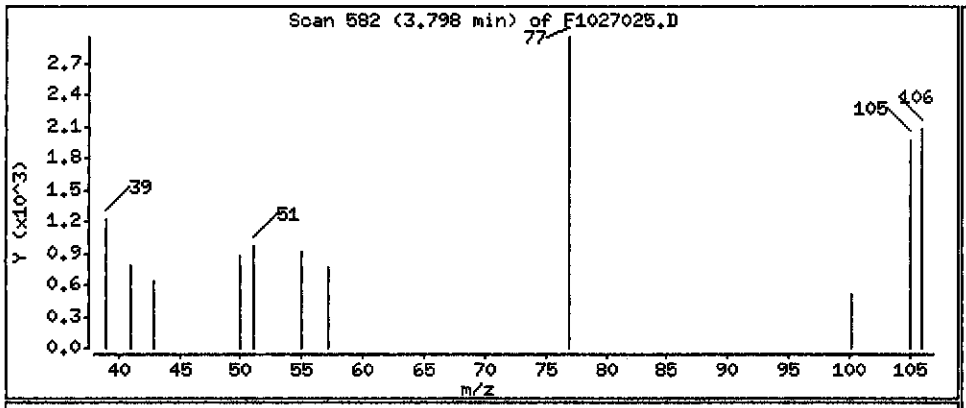
Operator: 007062

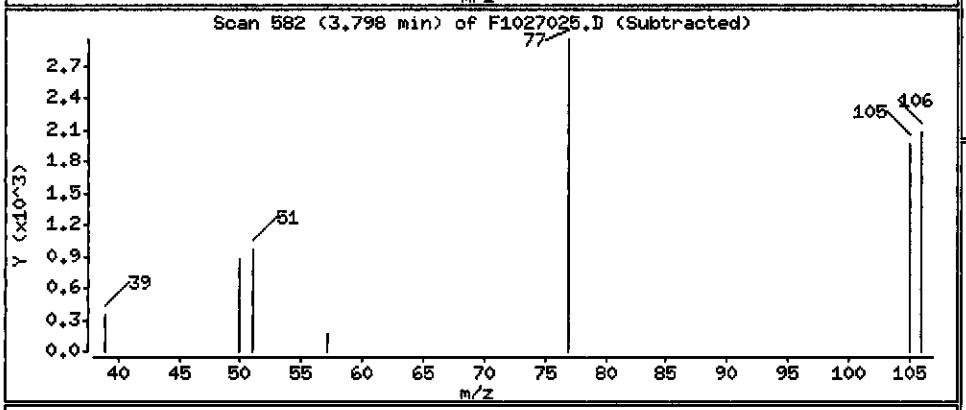
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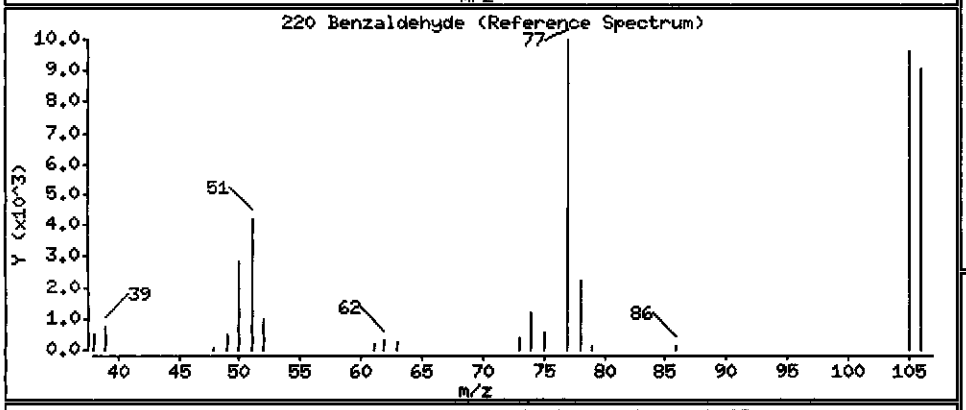
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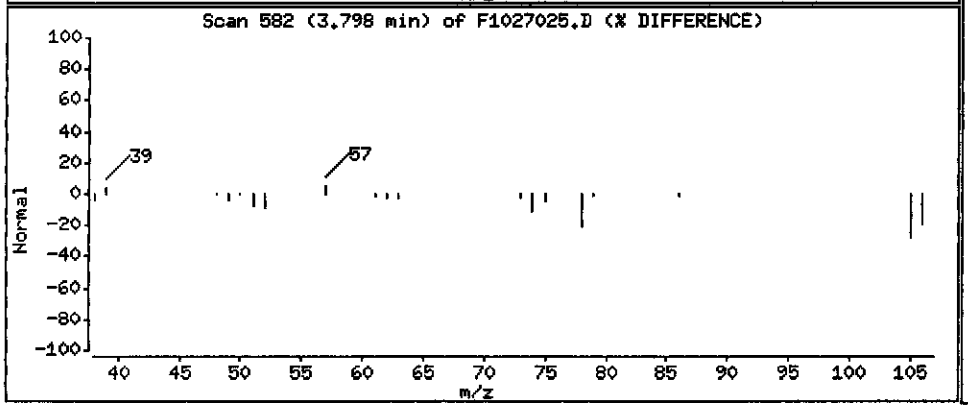
220 Benzaldehyde

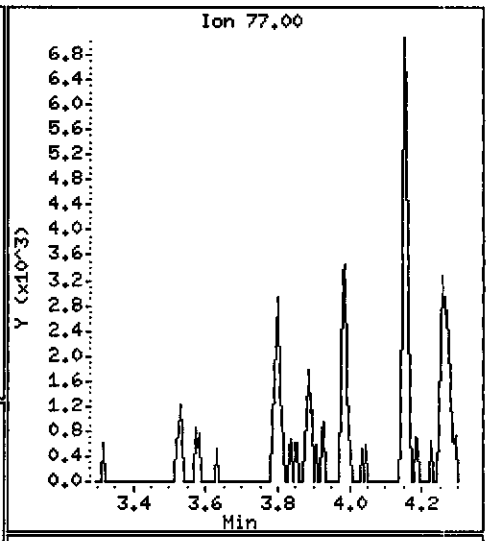
Concentration: 8.4738 ug/kg

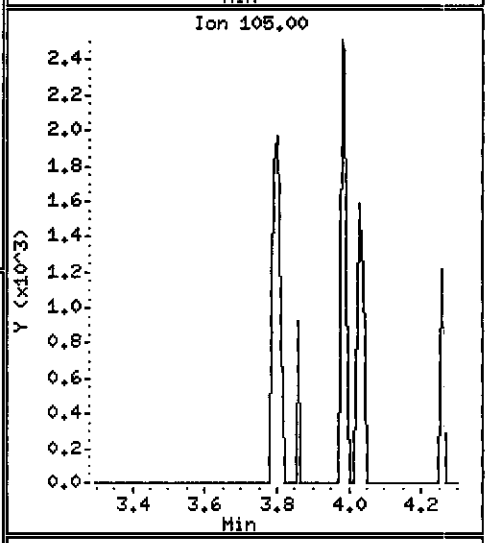


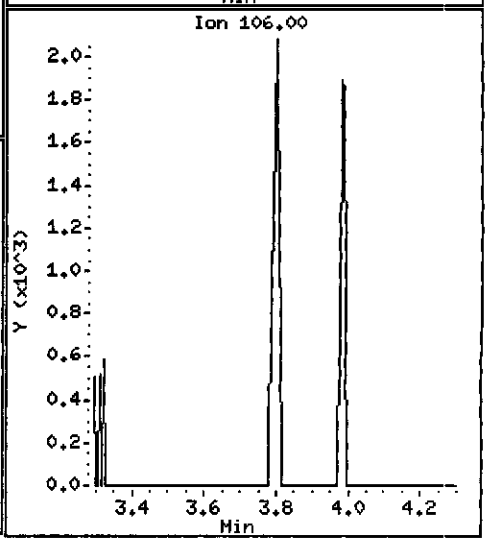












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

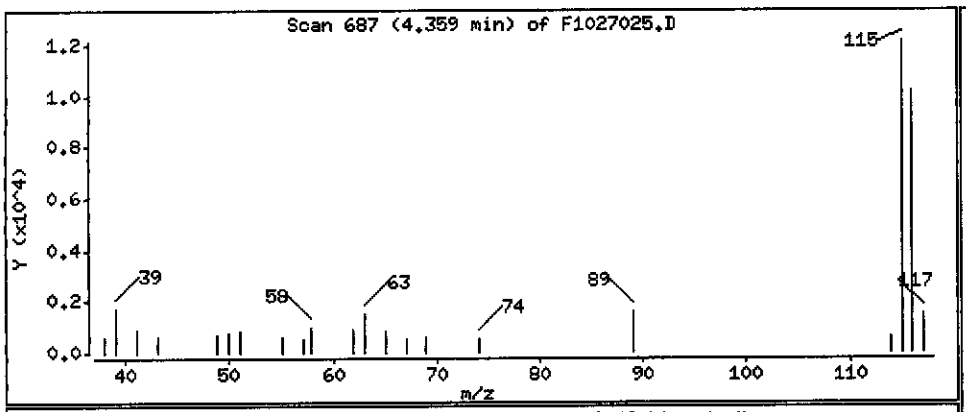
Operator: 007062

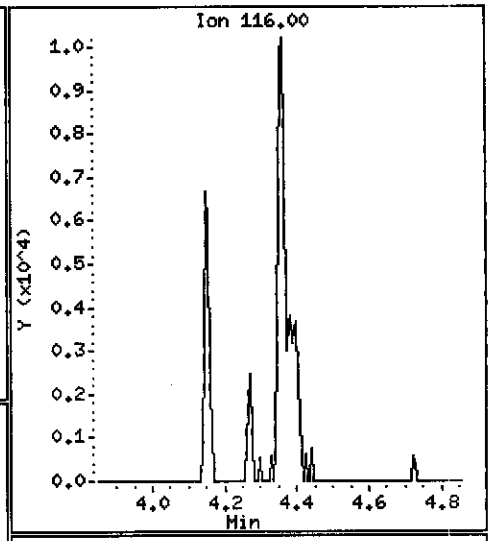
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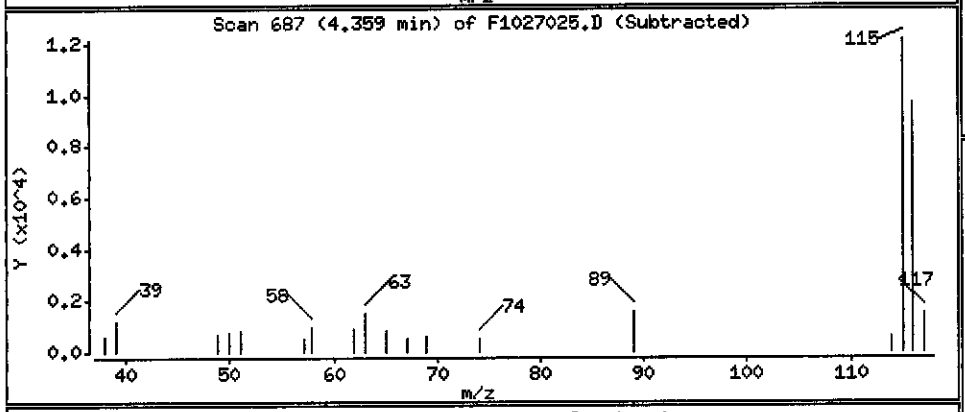
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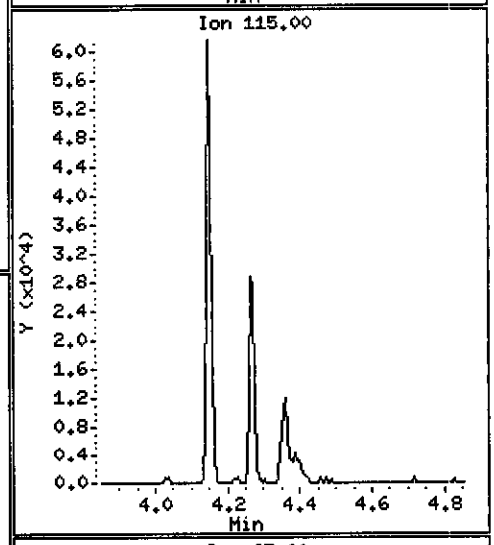
227 Indene

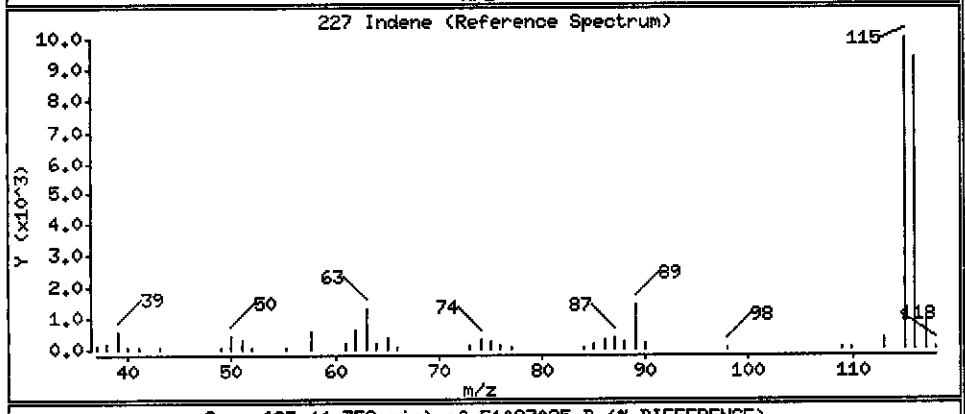
Concentration: 3.2837 ug/kg

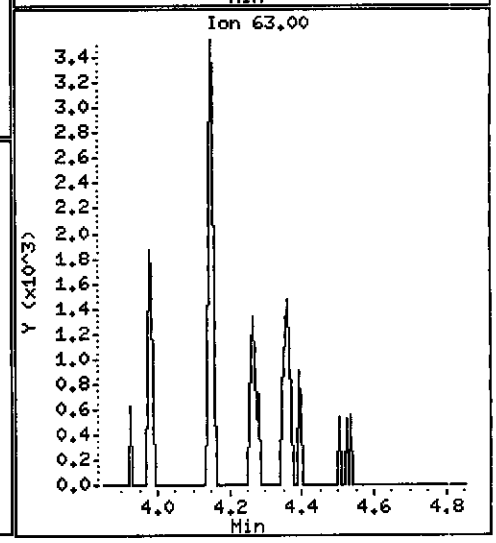


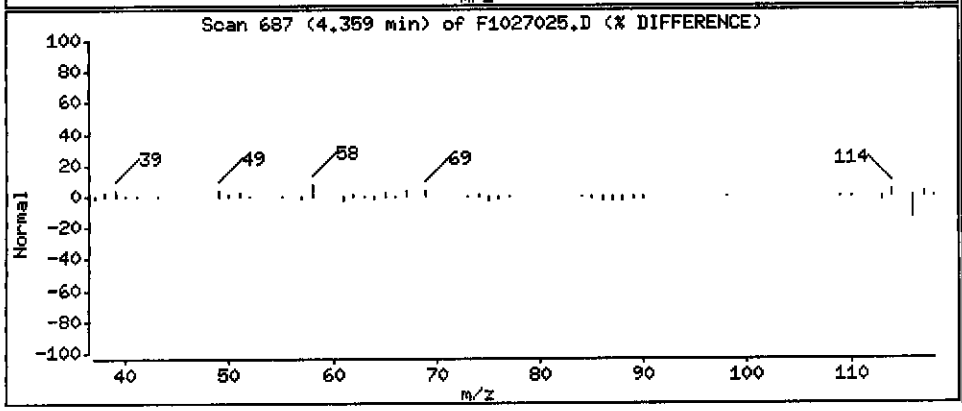












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

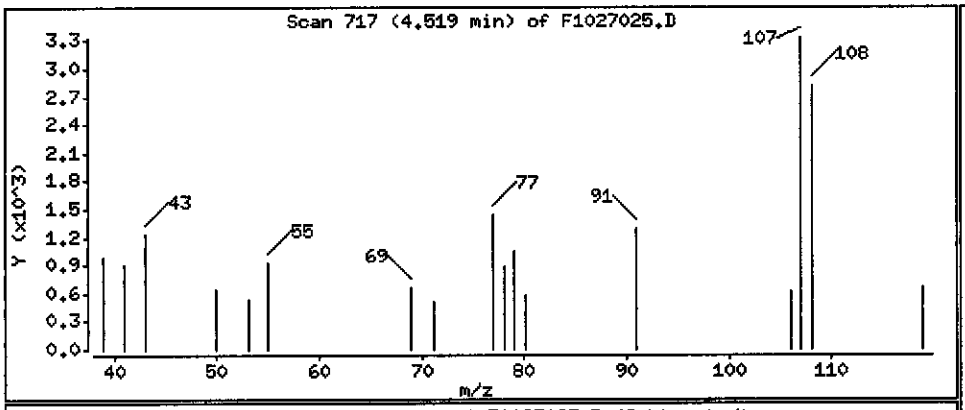
Operator: 007062

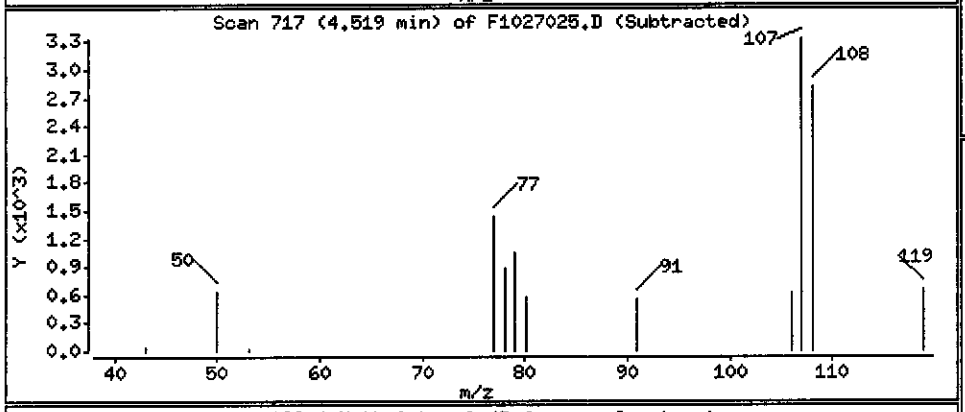
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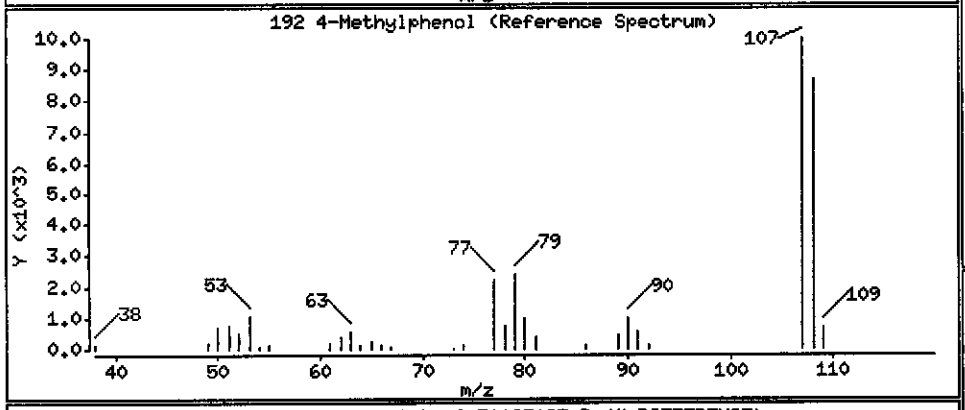
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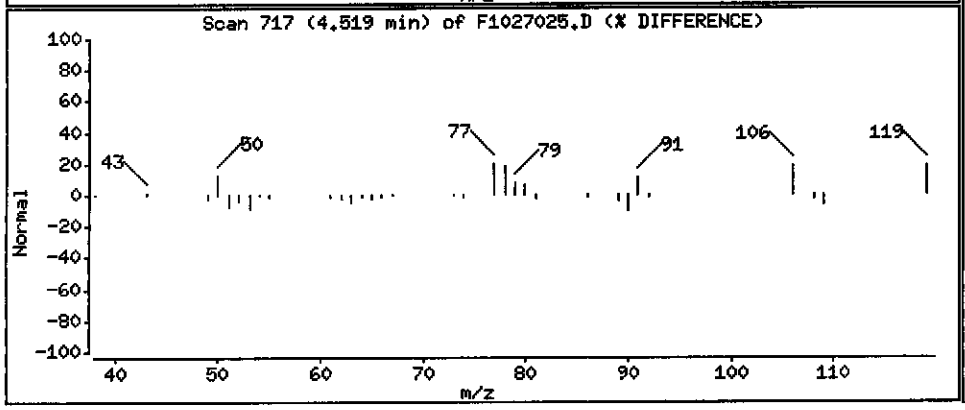
192 4-Methylphenol

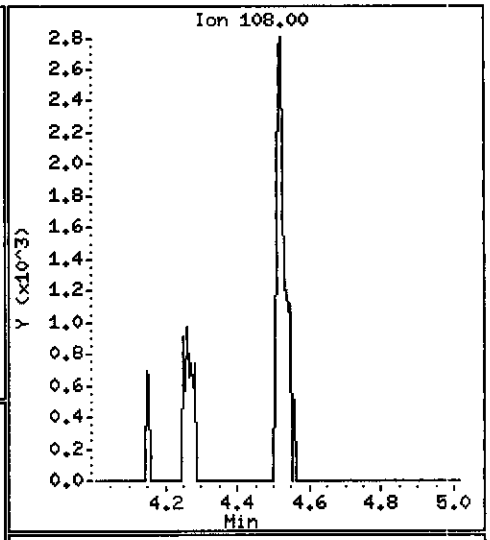
Concentration: 2.1472 ug/kg

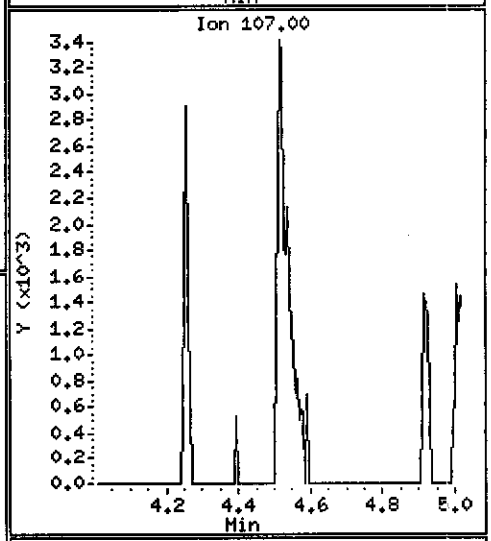


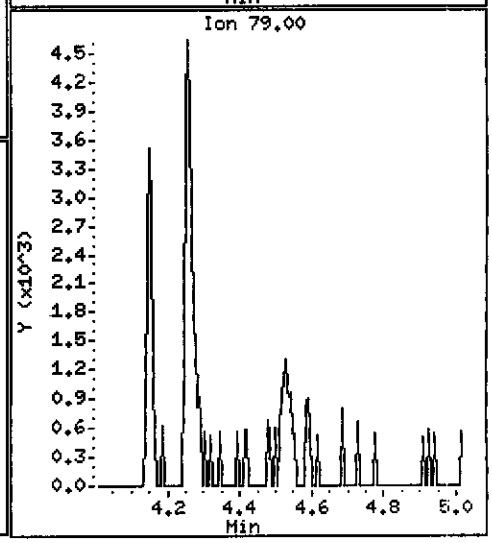












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

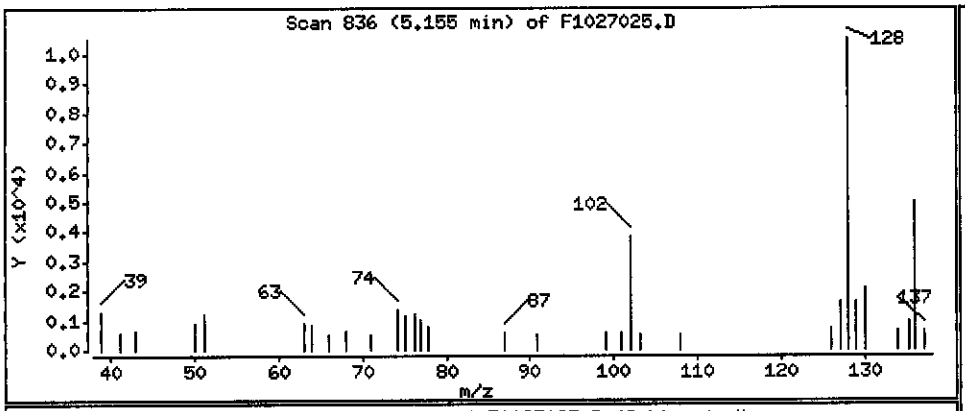
Operator: 007062

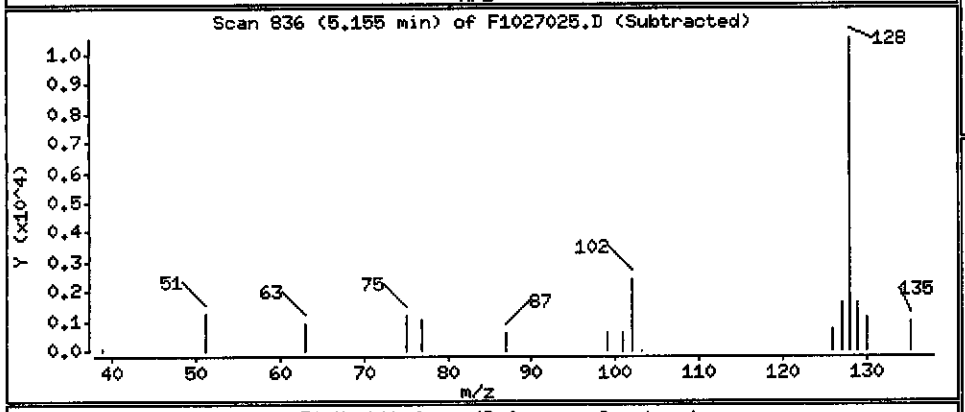
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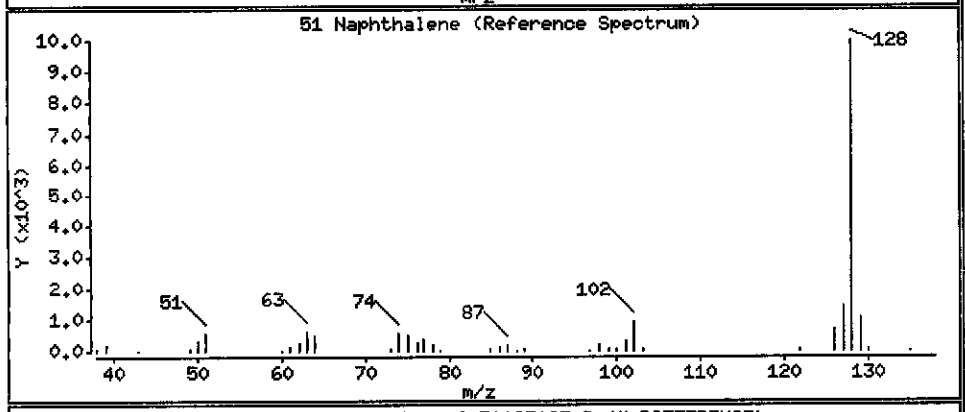
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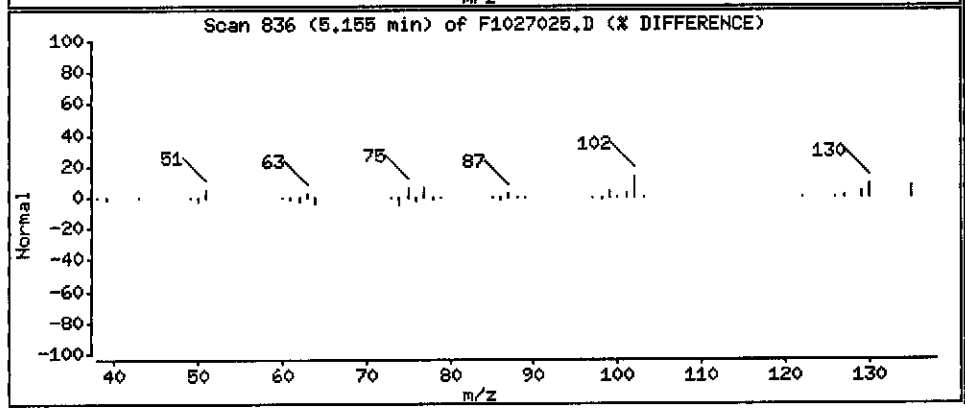
51 Naphthalene

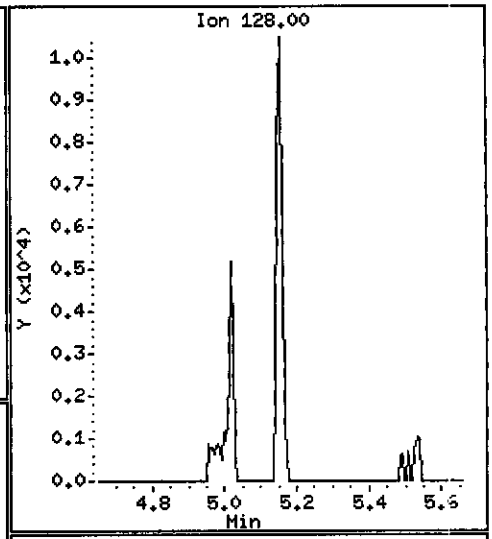
Concentration: 1.7378 ug/kg

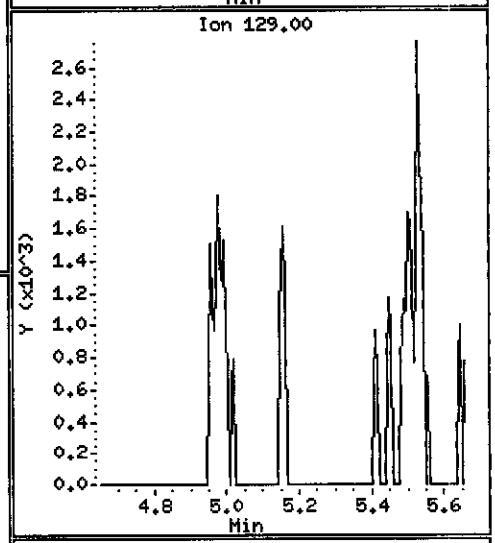


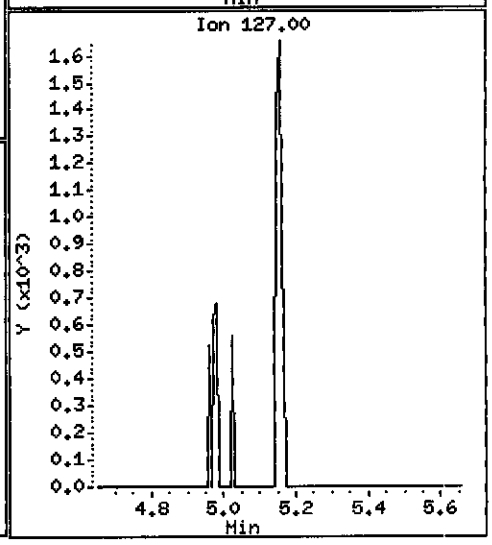












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

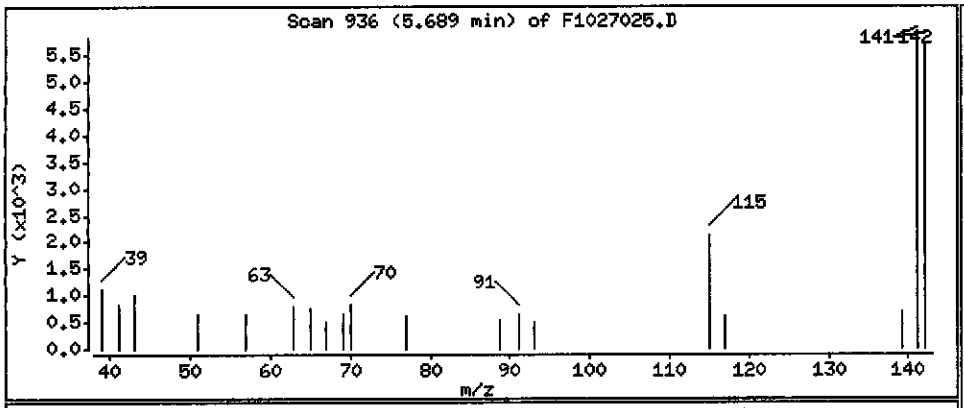
Operator: 007062

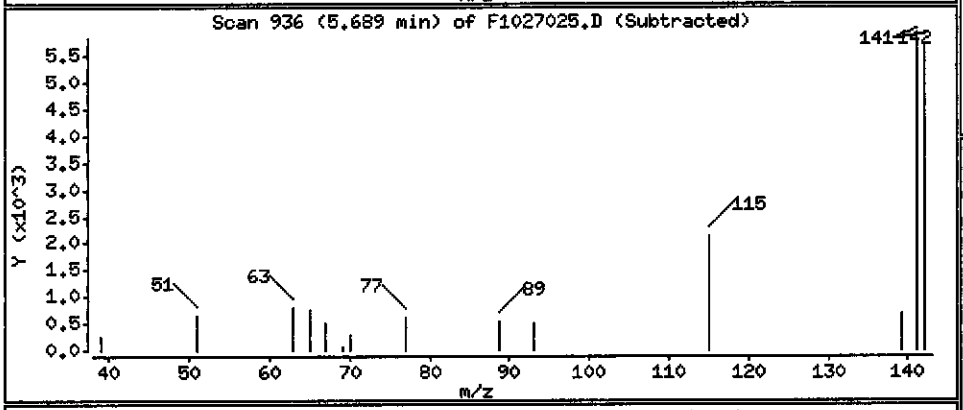
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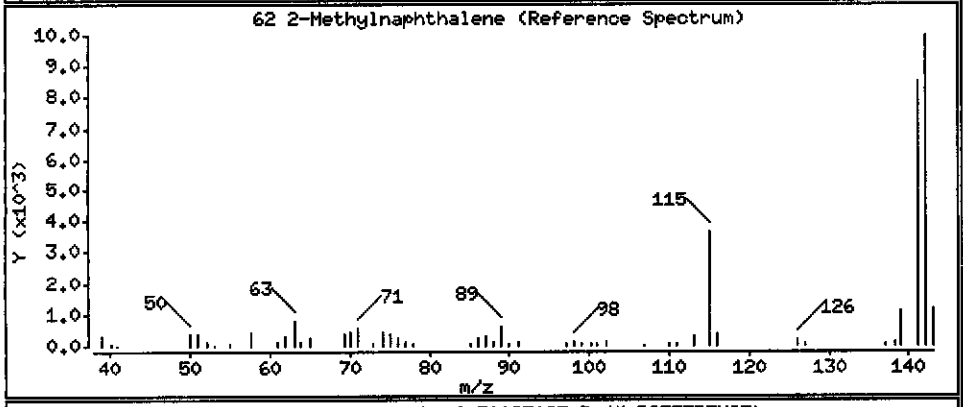
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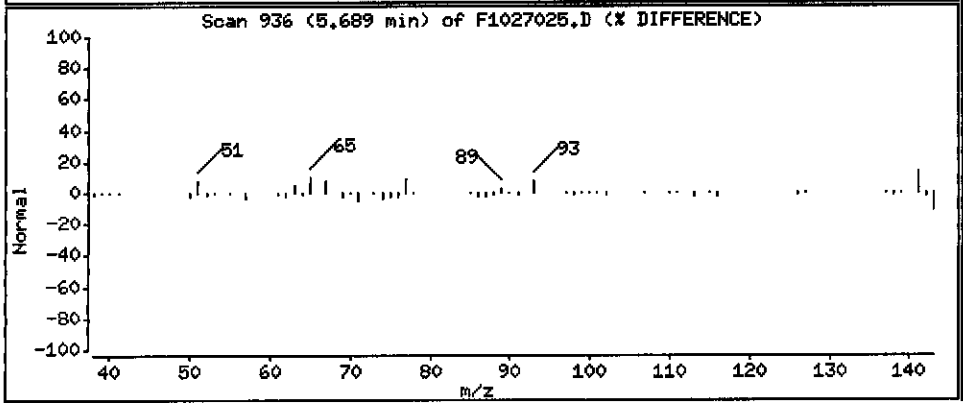
62 2-Methylnaphthalene

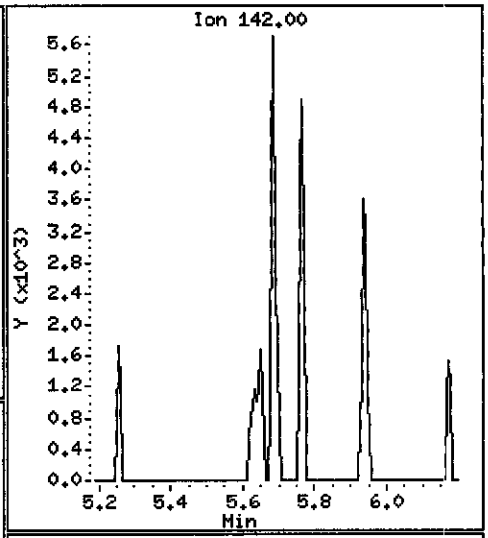
Concentration: 1.3069 ug/kg

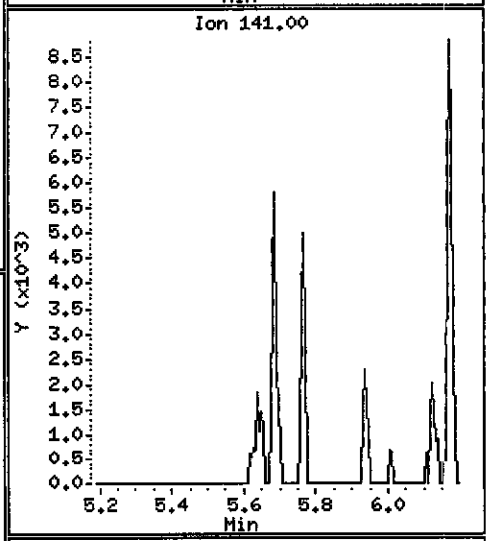


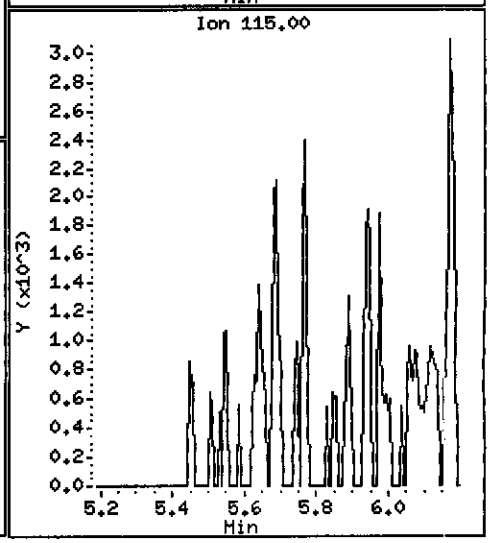












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

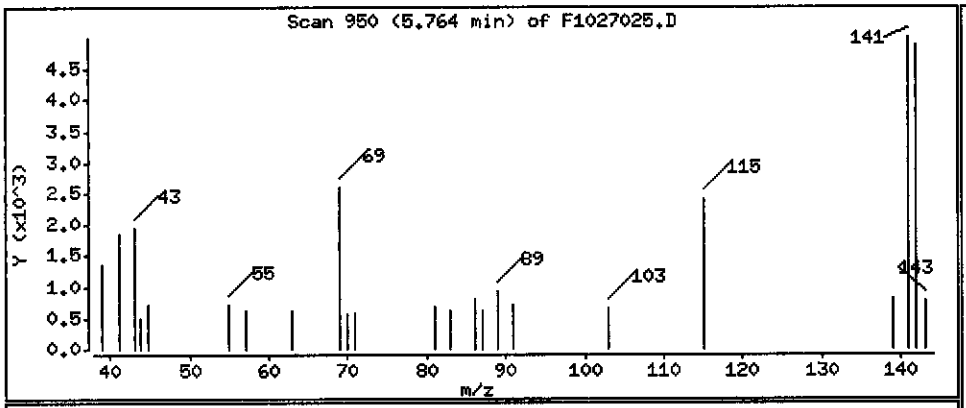
Operator: 007062

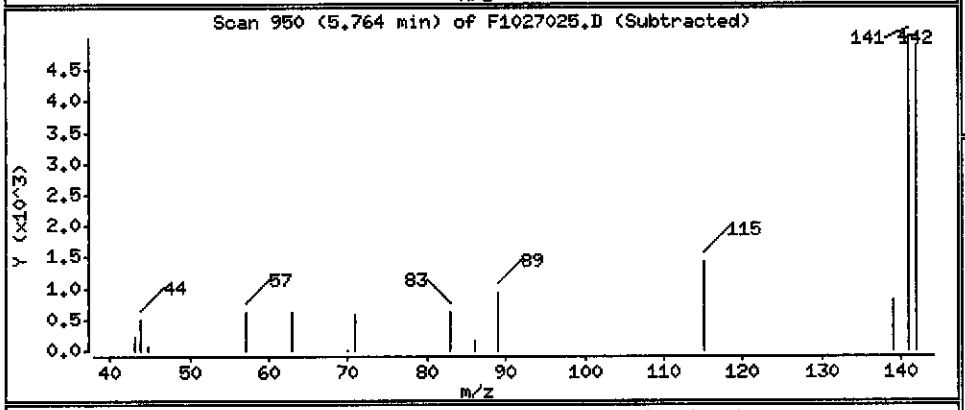
Column phase: Hp5-MS

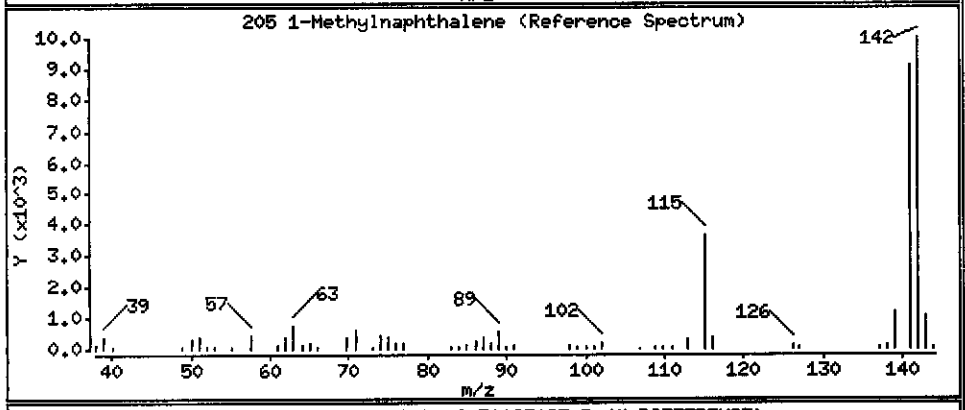
Column diameter: 0.25

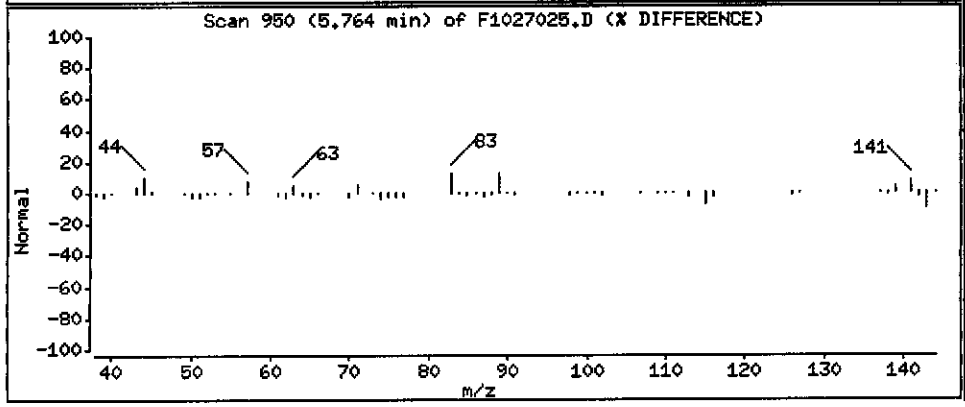
205 1-Methylnaphthalene

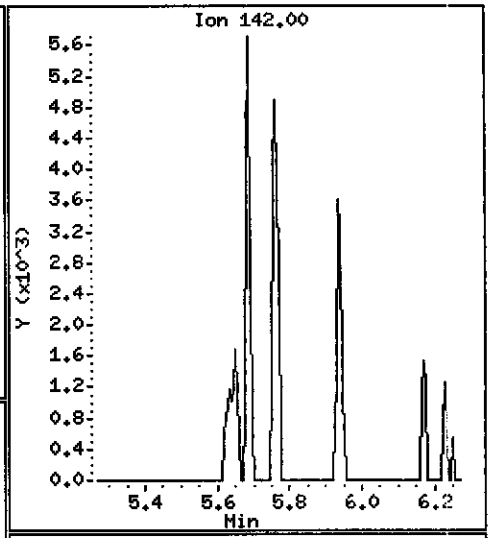
Concentration: 1.2504 ug/kg

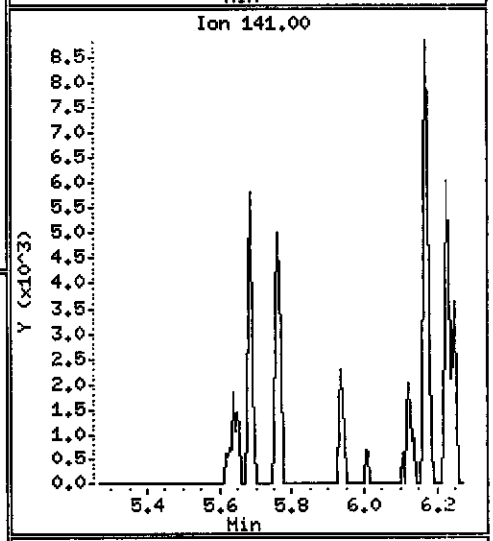


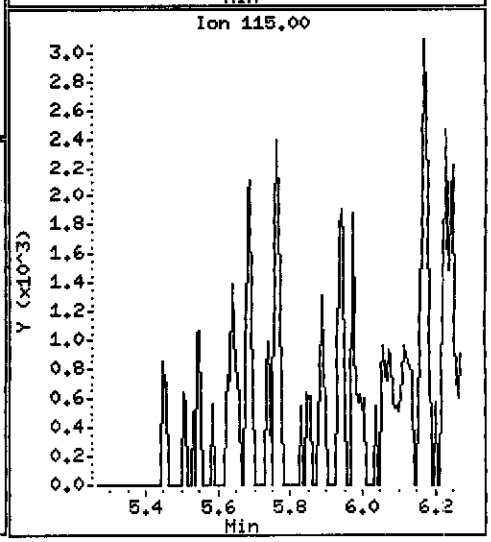












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

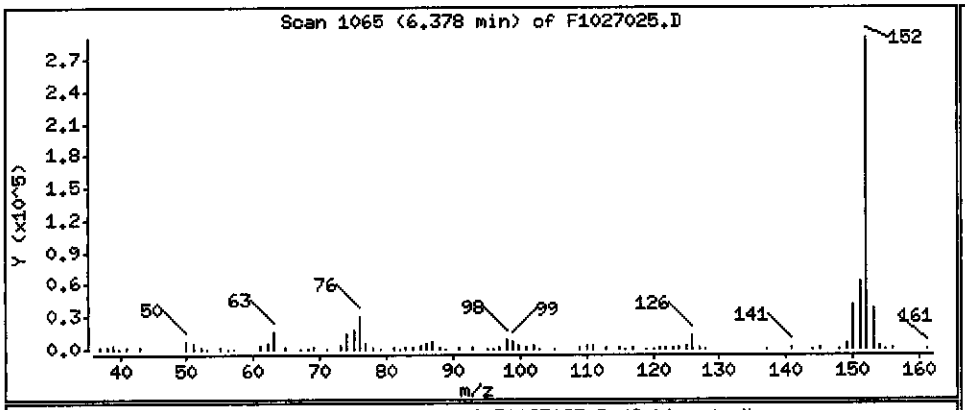
Operator: 007062

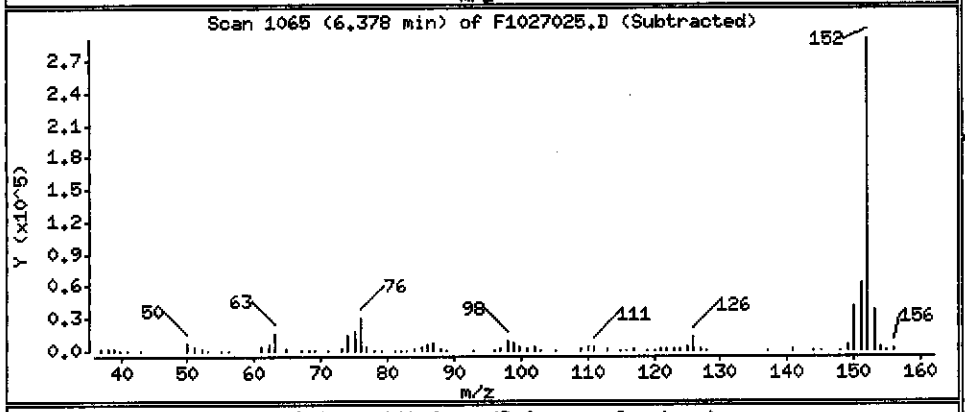
Column phase: Hp5-MS

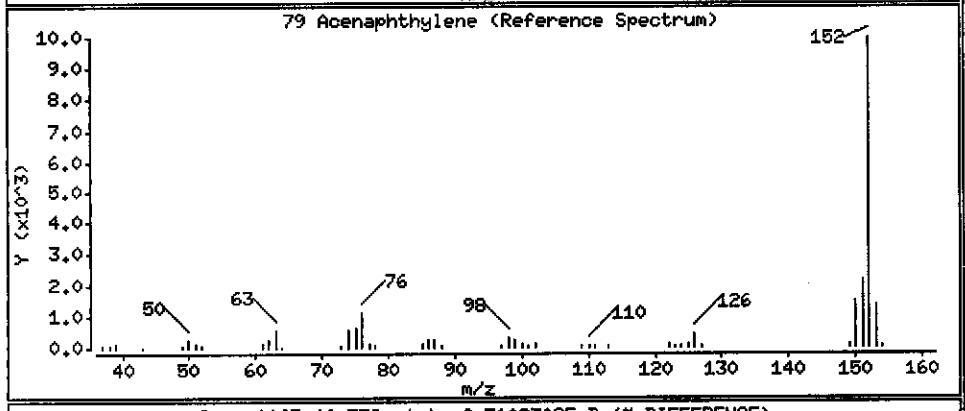
Column diameter: 0.25

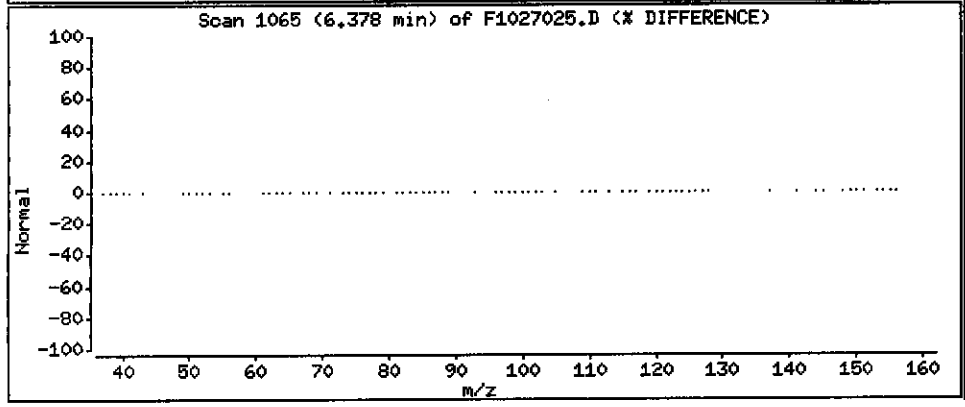
79 Acenaphthylene

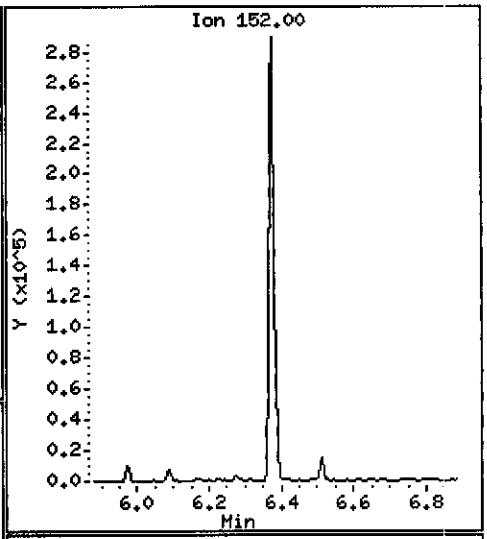
Concentration: 49.388 ug/kg

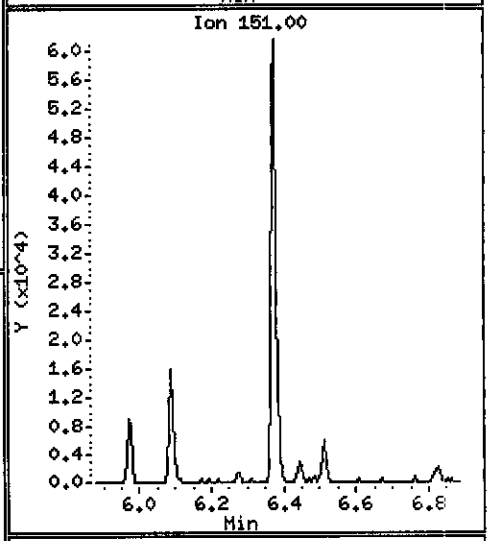


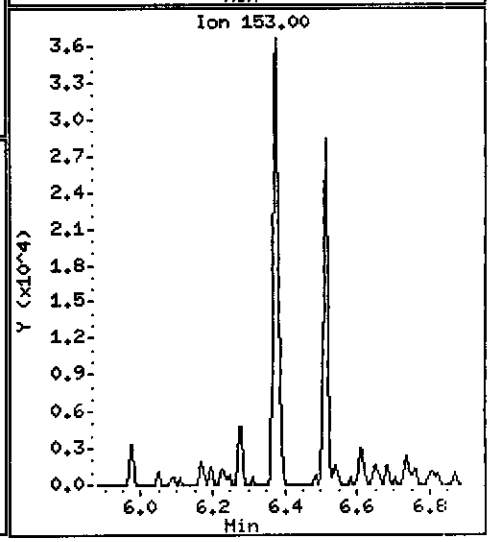












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

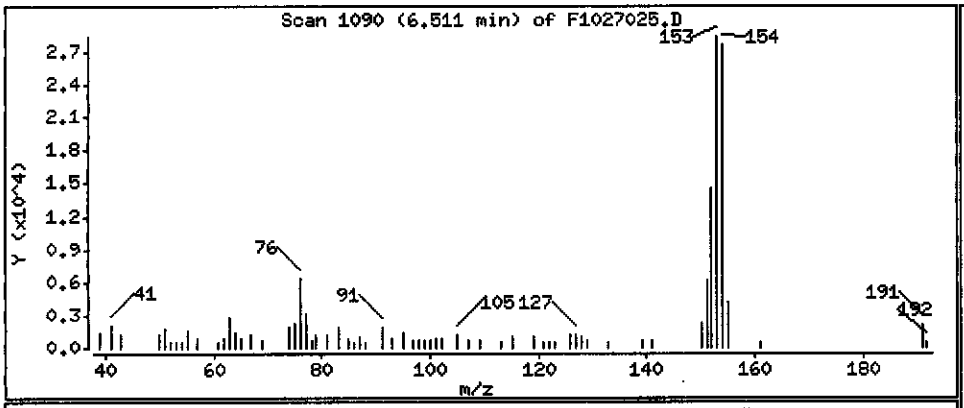
Operator: 007062

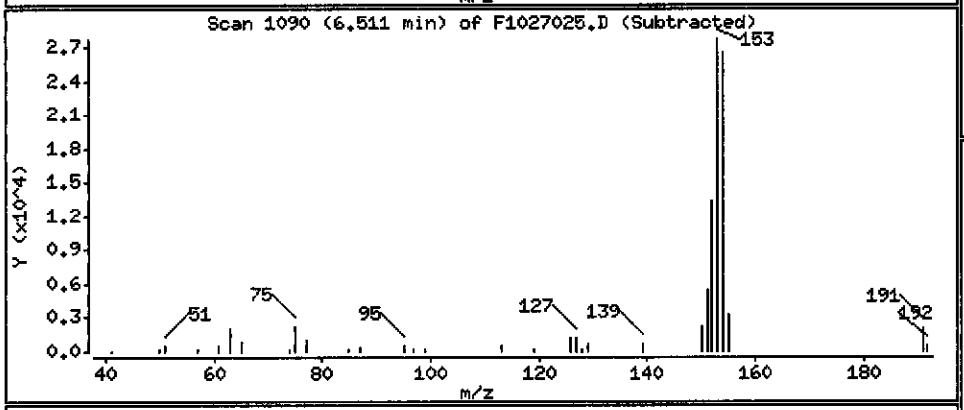
Column phase: Hp5-MS

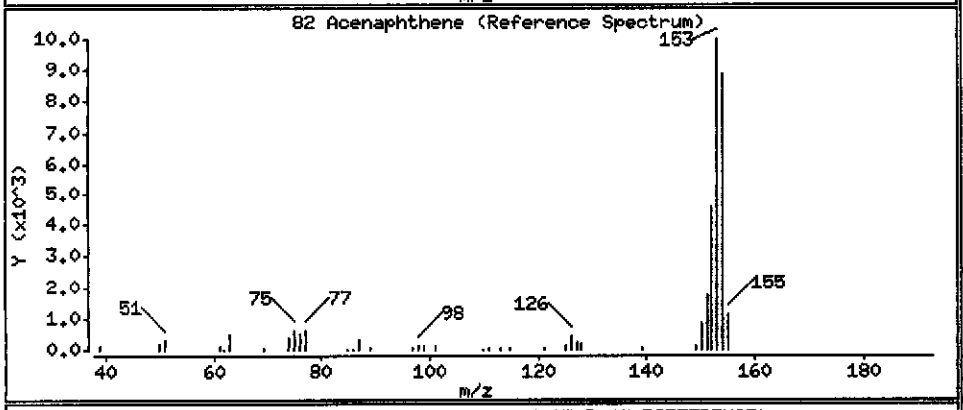
Column diameter: 0.25

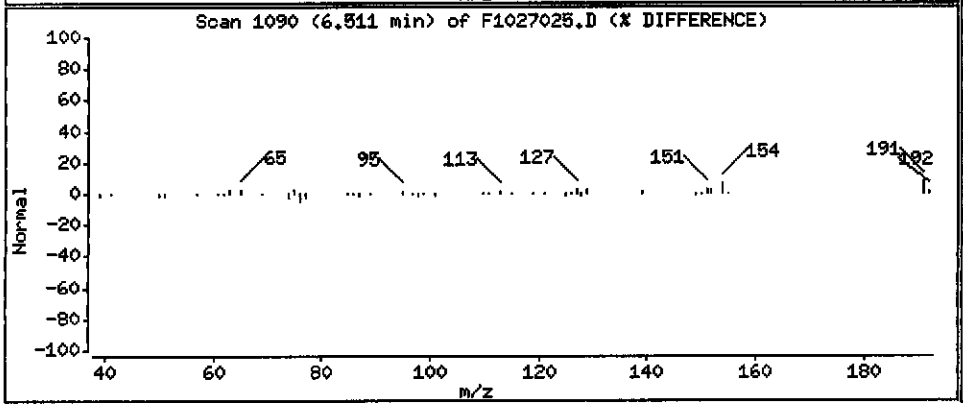
82 Acenaphthene

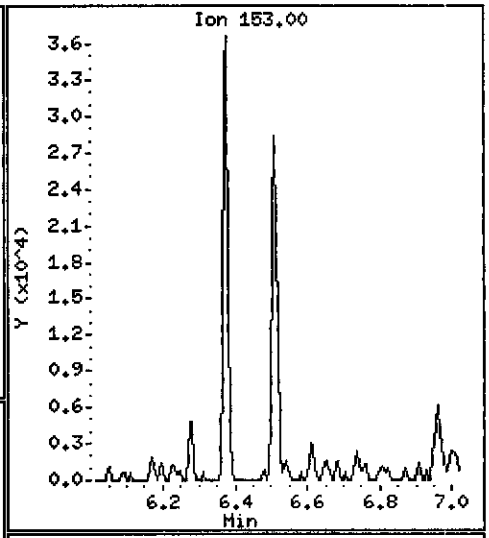
Concentration: 7.3278 ug/kg

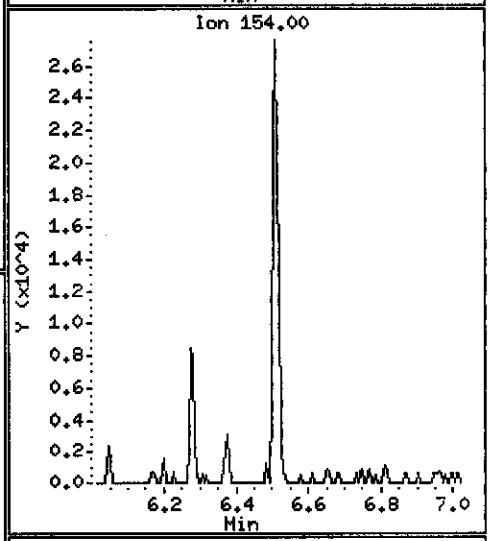


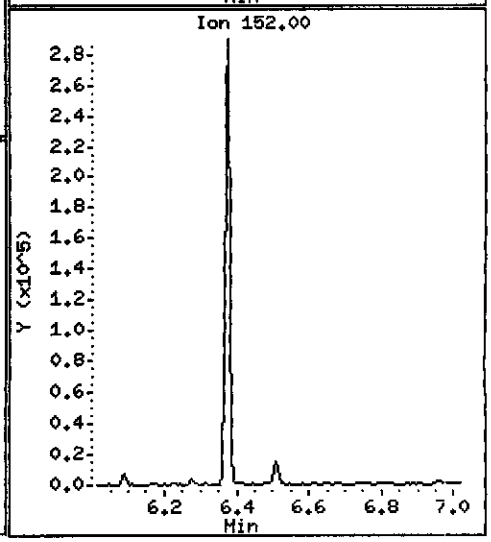












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

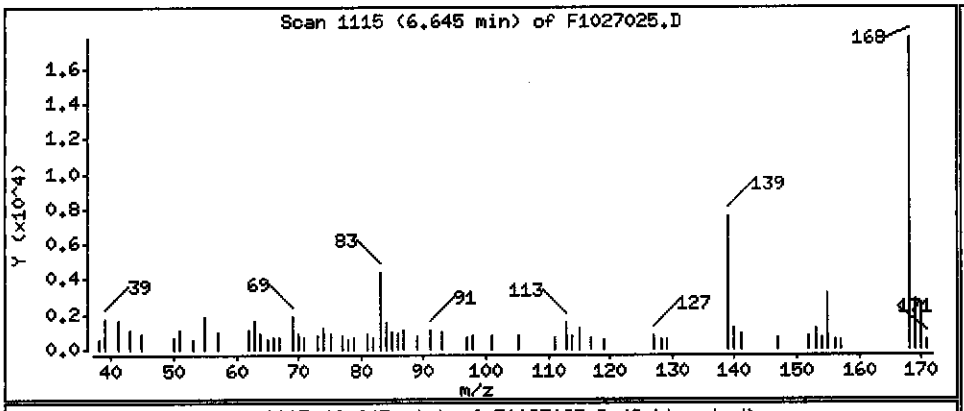
Operator: 007062

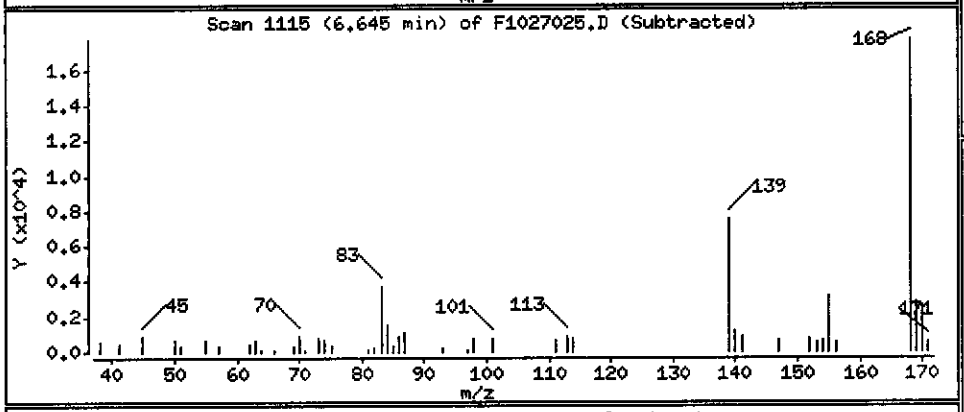
Column phase: Hp5-MS

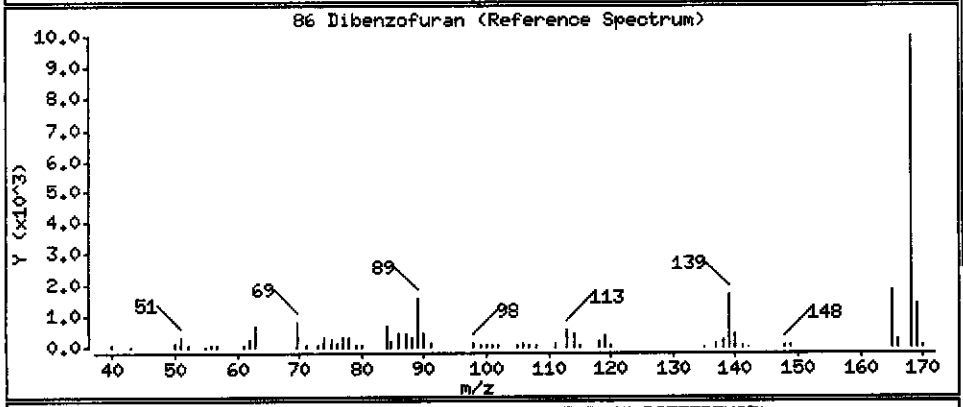
Column diameter: 0.25

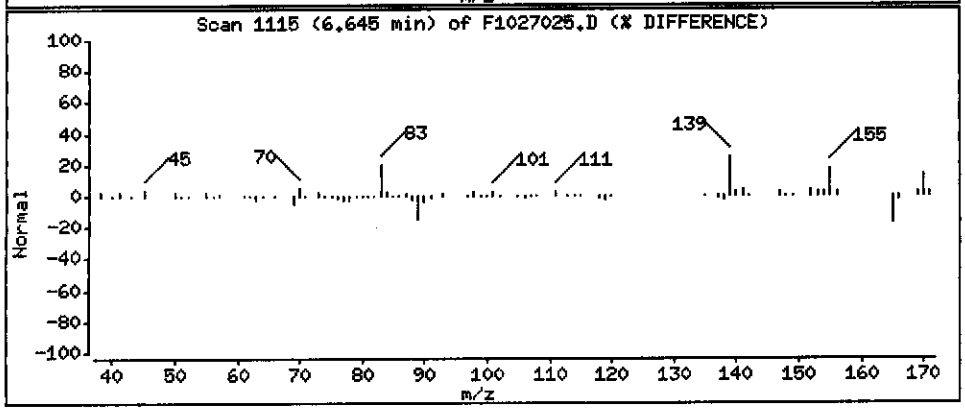
86 Dibenzofuran

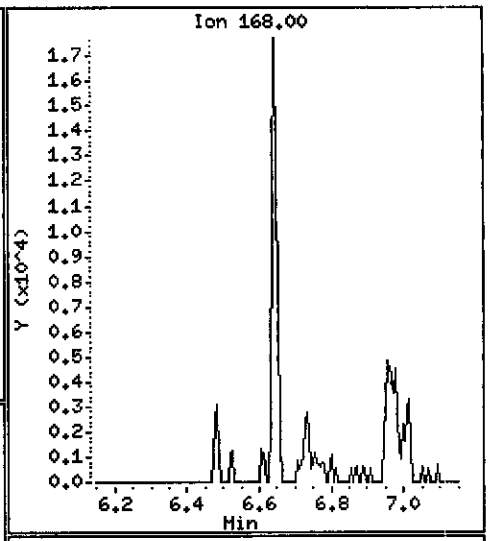
Concentration: 2.9337 ug/kg

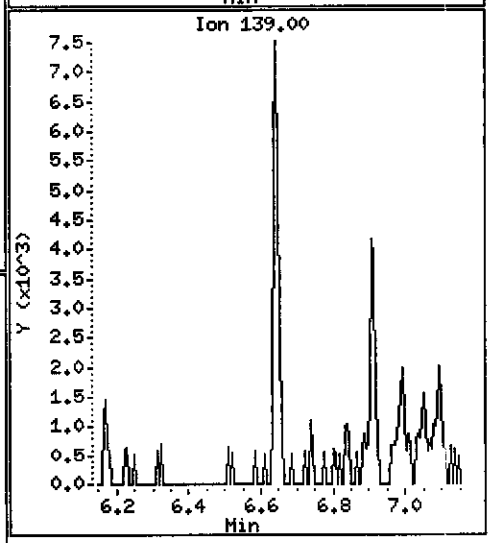












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

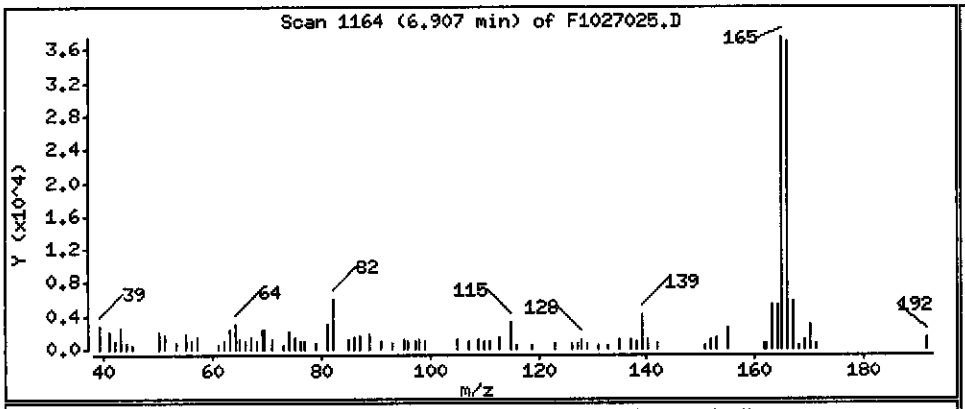
Operator: 007062

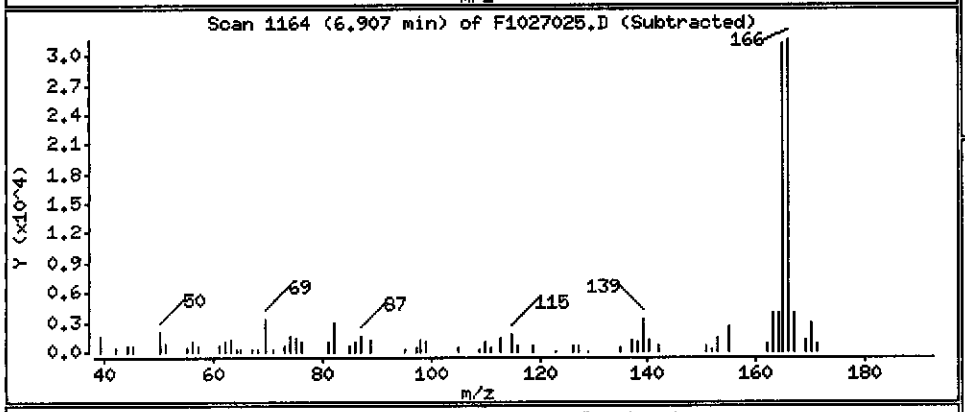
Column phase: Hp5-MS

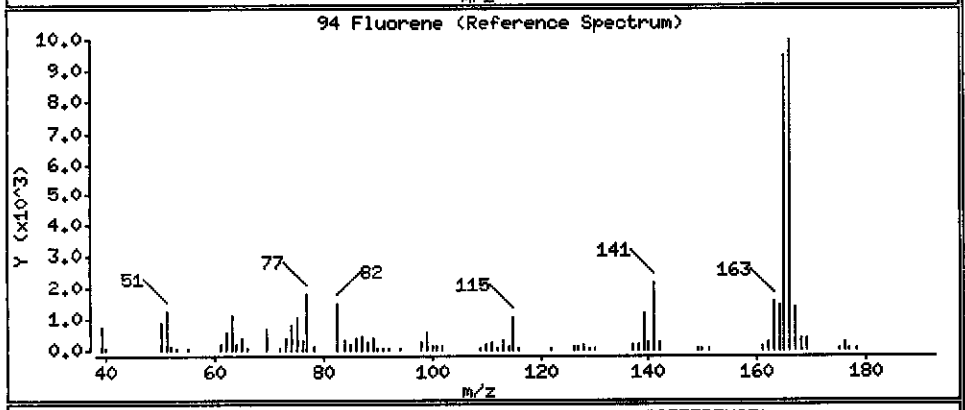
Column diameter: 0.25

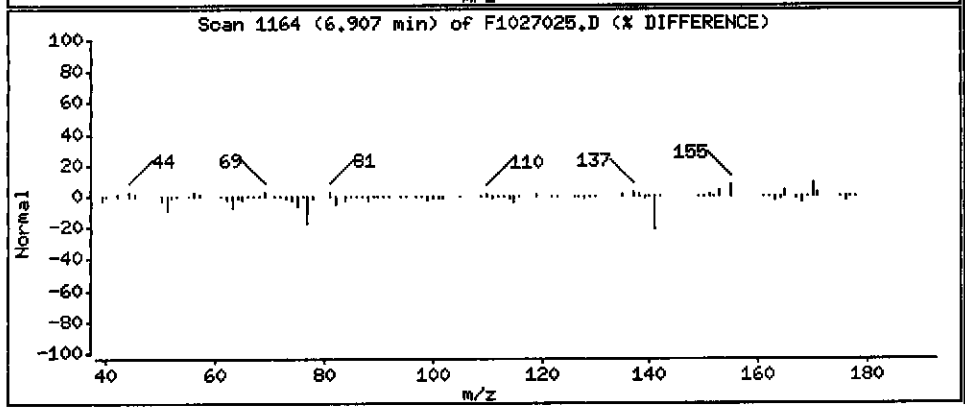
94 Fluorene

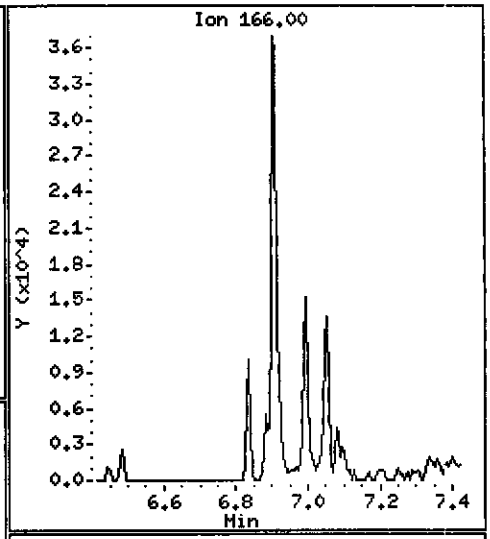
Concentration: 9.8986 ug/kg

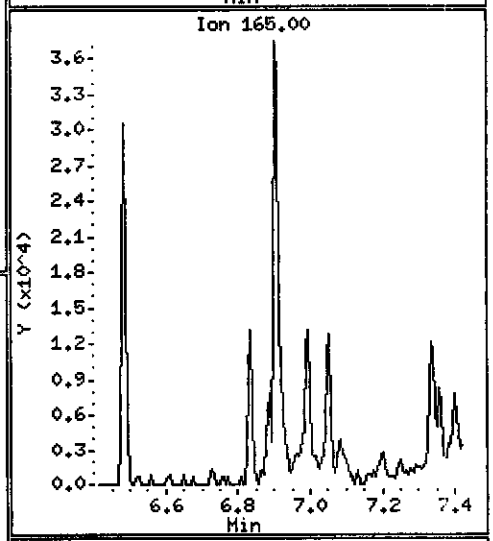


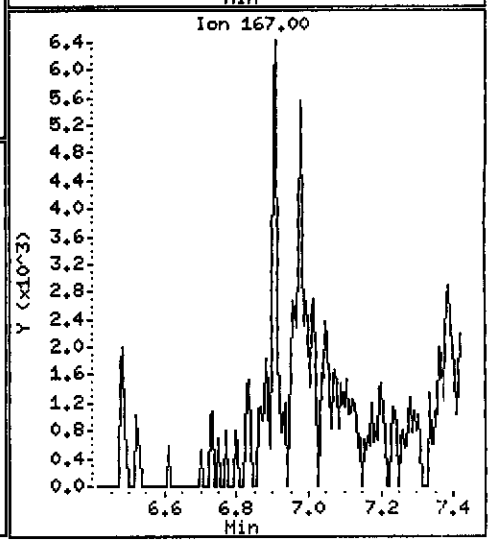












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

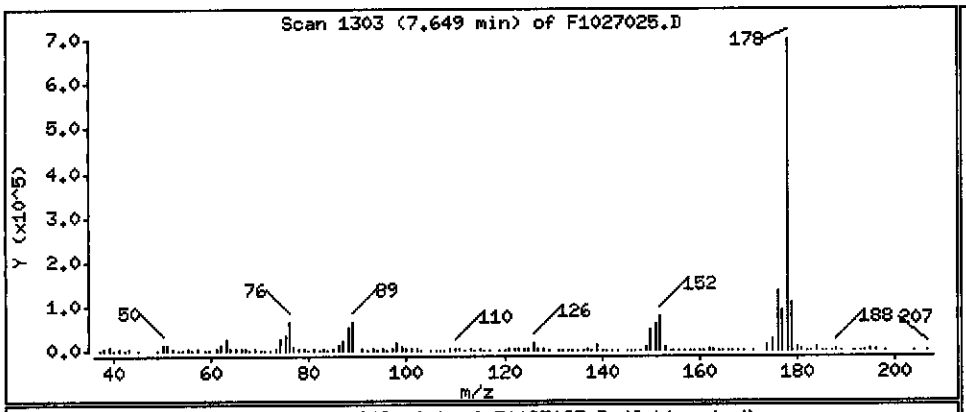
Operator: 007062

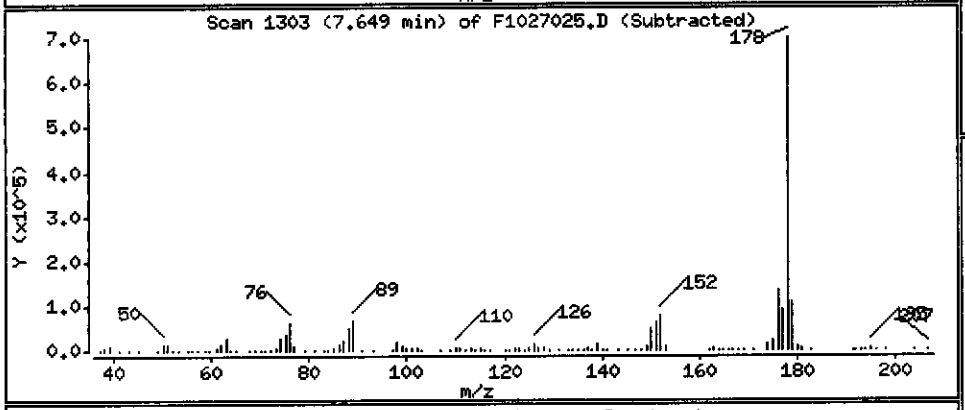
Column phase: Hp5-MS

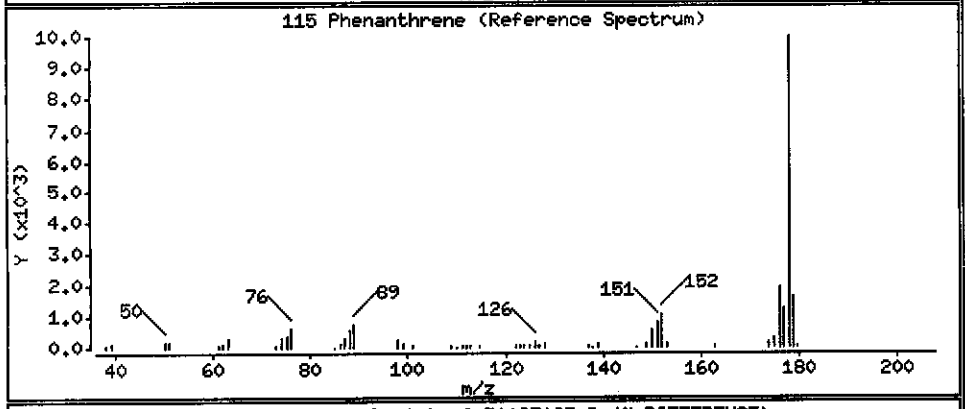
Column diameter: 0.25

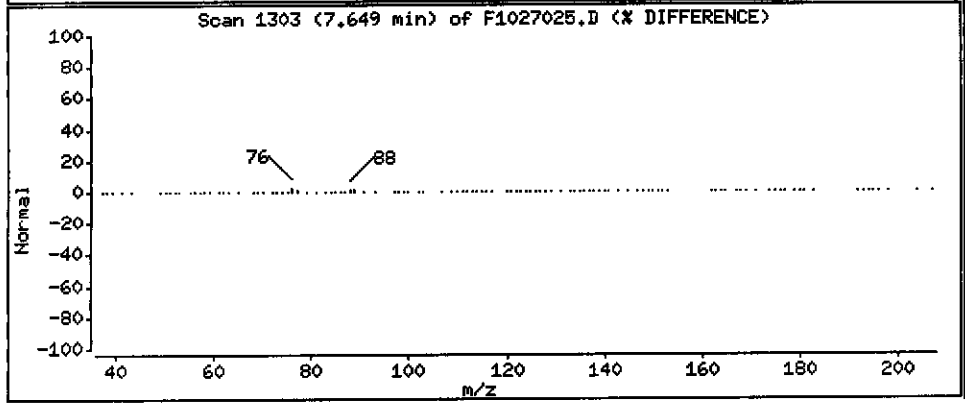
115 Phenanthrene

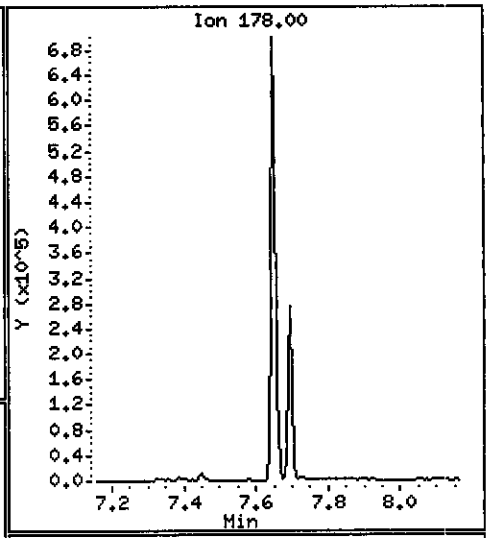
Concentration: 115.84 ug/kg

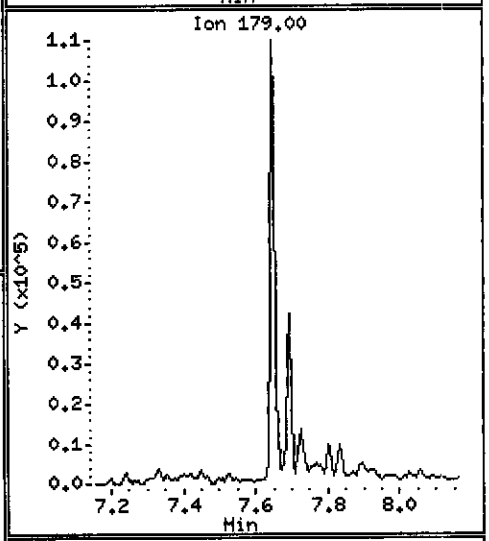


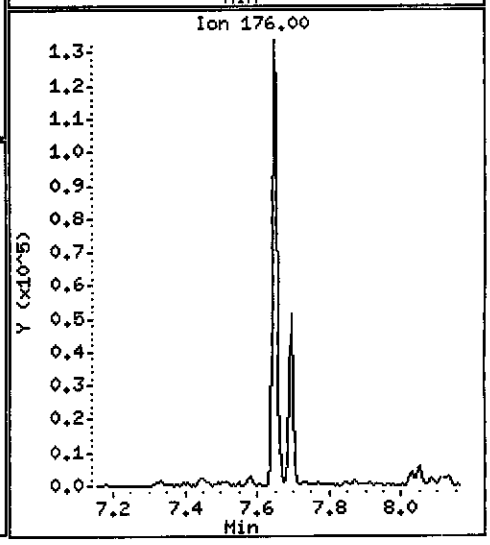












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

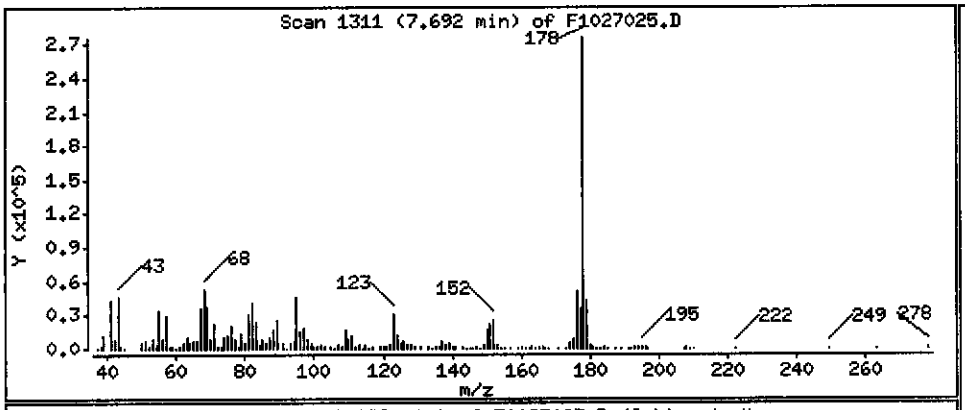
Operator: 007062

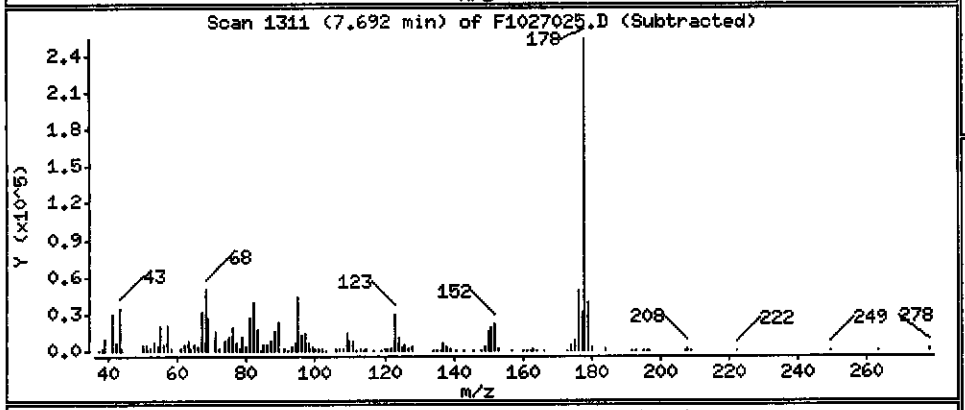
Column phase: Hp5-MS

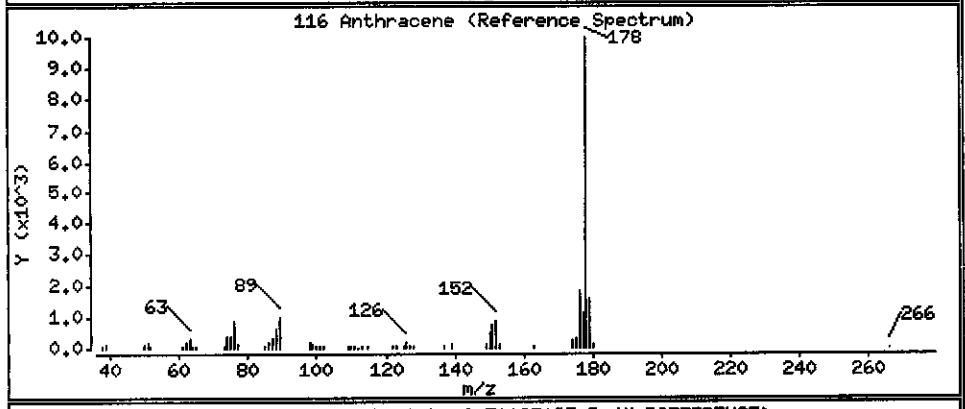
Column diameter: 0.25

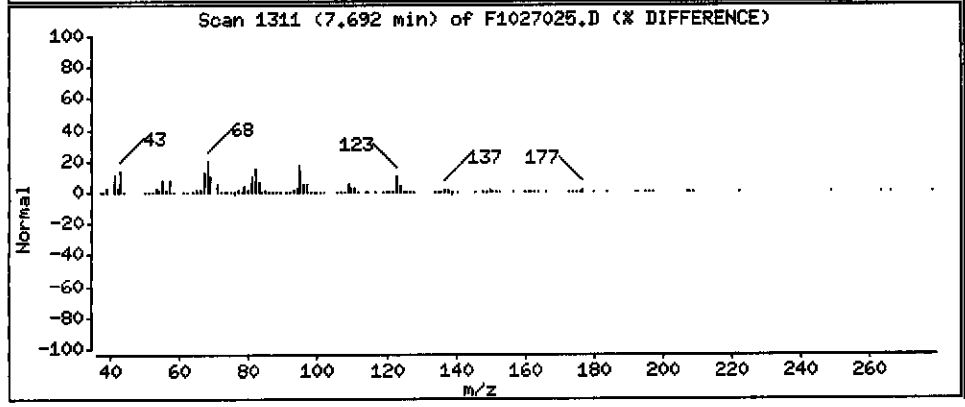
116 Anthracene

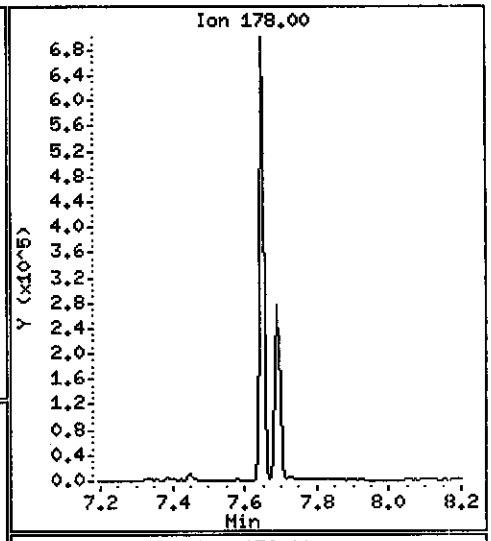
Concentration: 43.733 ug/kg

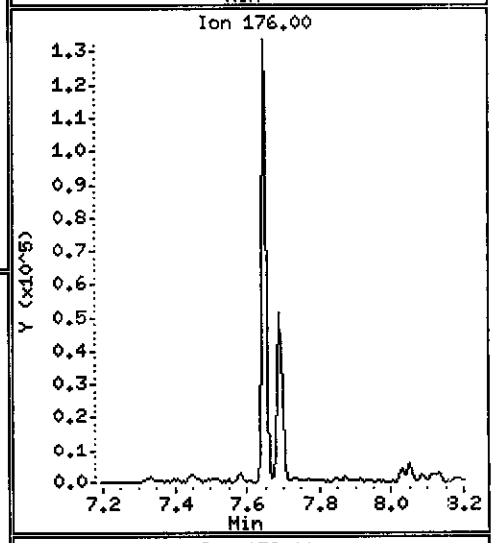


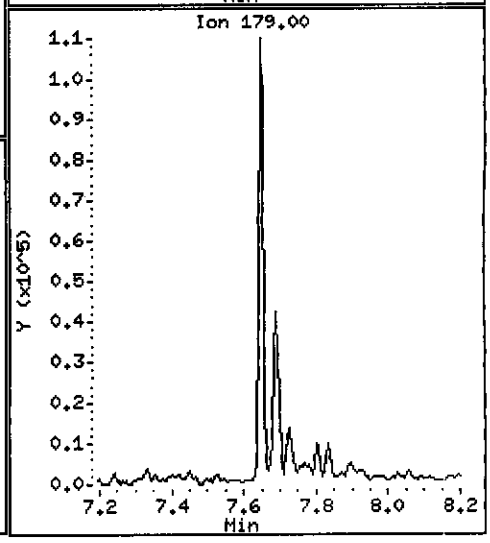












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

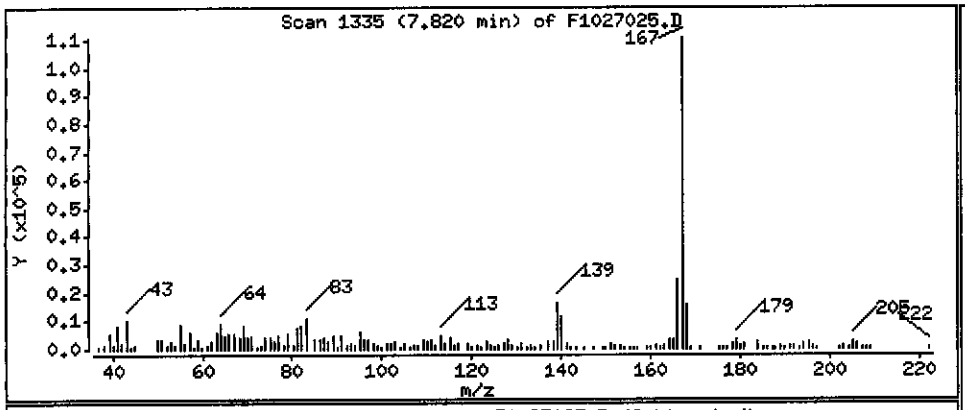
Operator: 007062

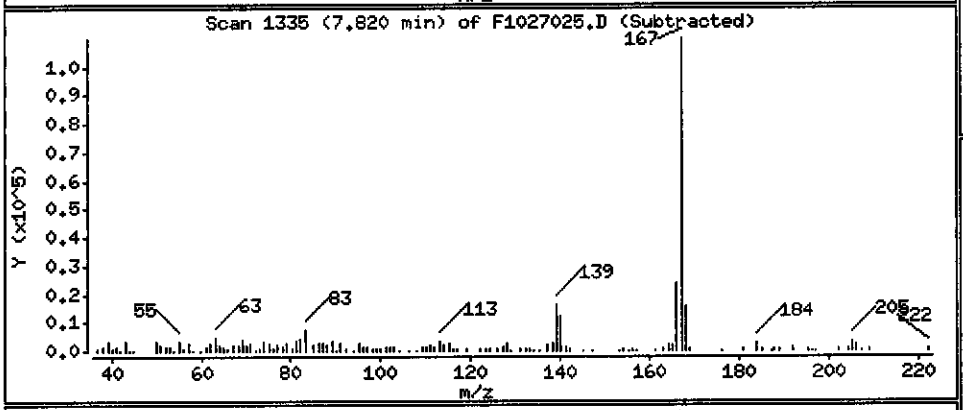
Column phase: Hp5-MS

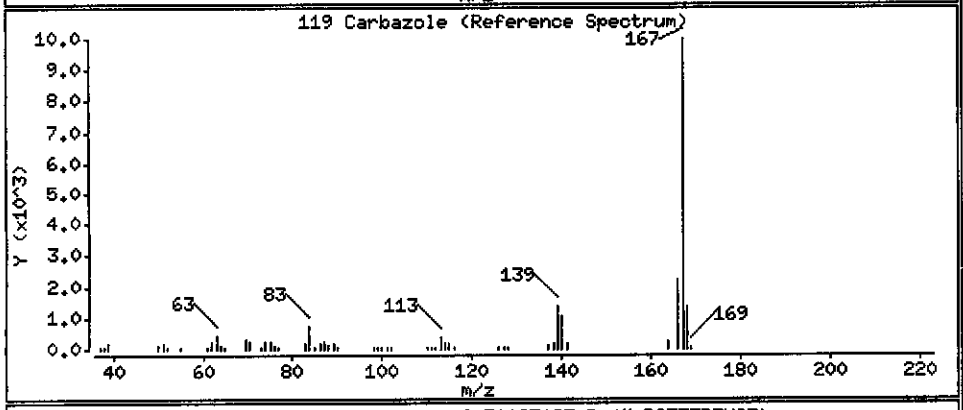
Column diameter: 0.25

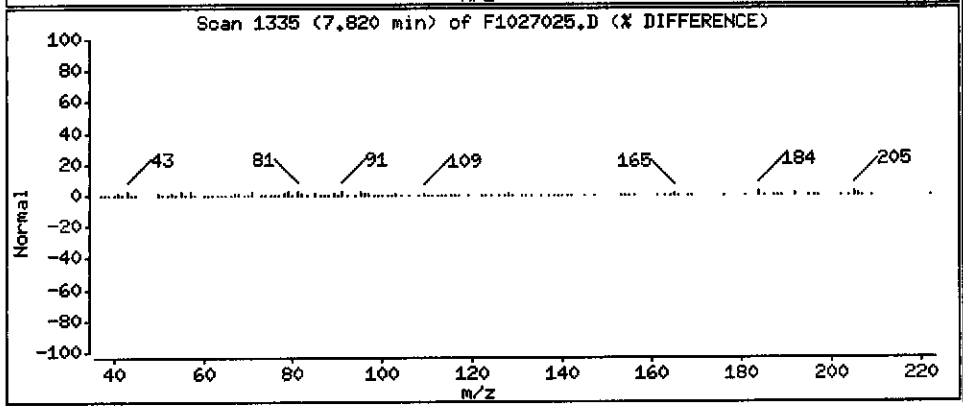
119 Carbazole

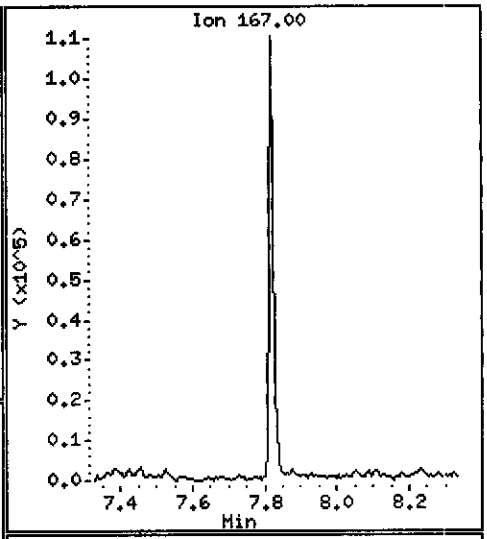
Concentration: 19.641 ug/kg

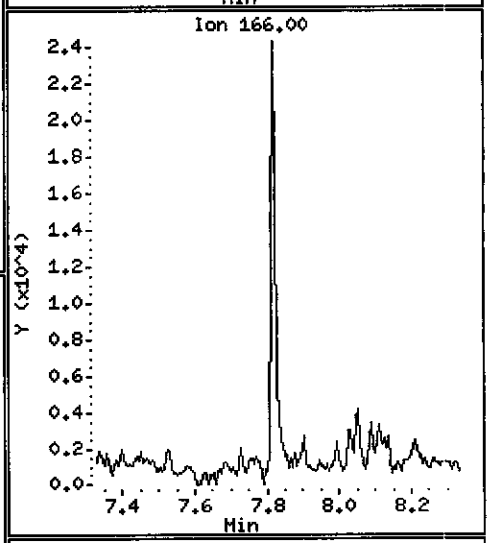


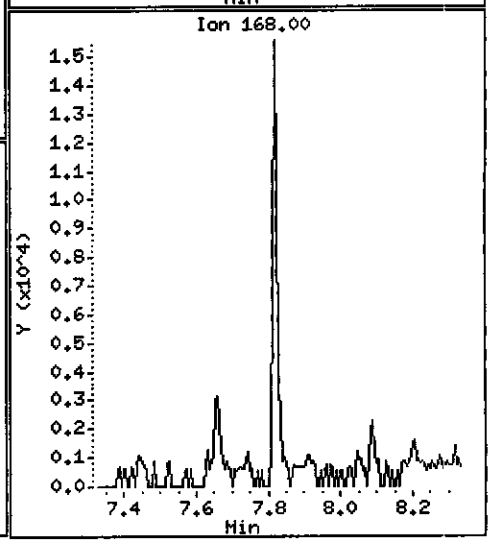












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

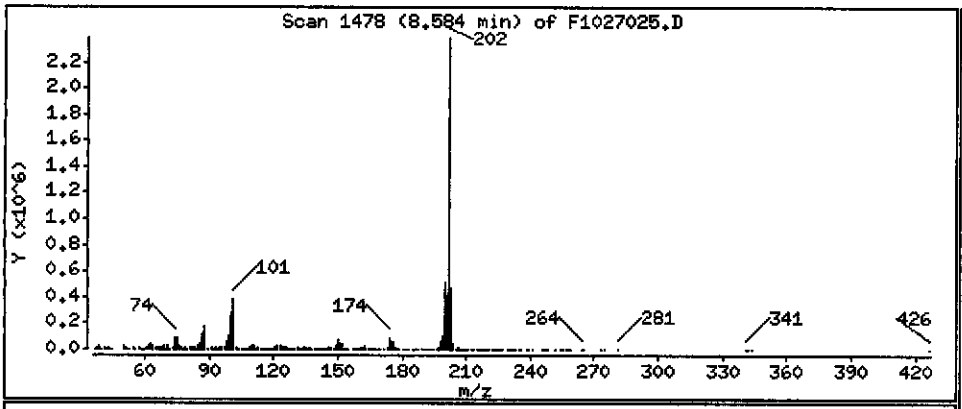
Operator: 007062

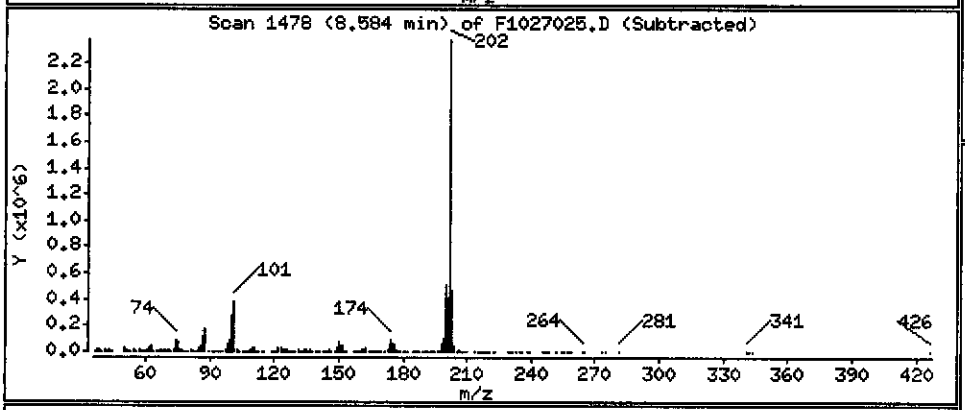
Column phase: Hp5-MS

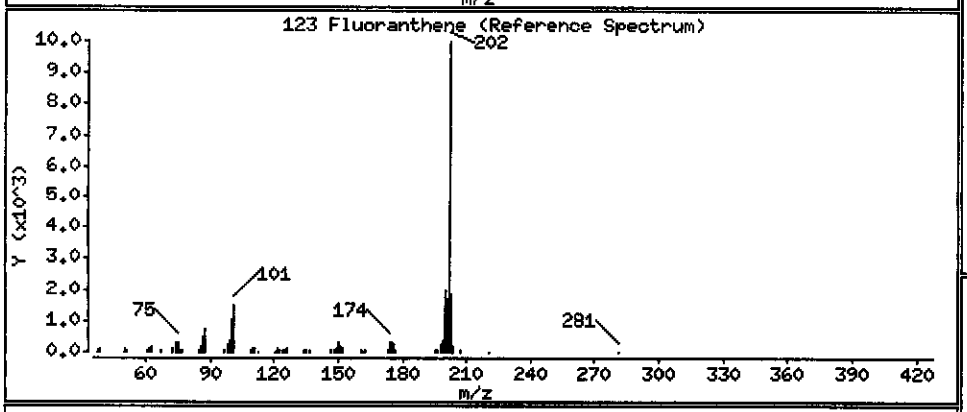
Column diameter: 0.25

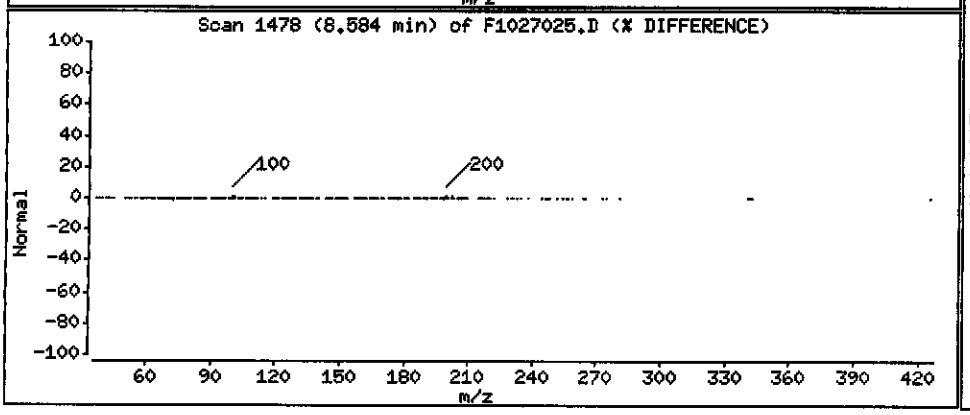
123 Fluoranthene

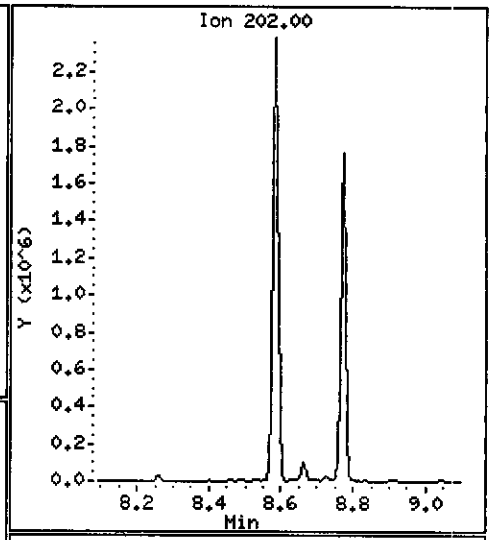
Concentration: 426.15 ug/kg

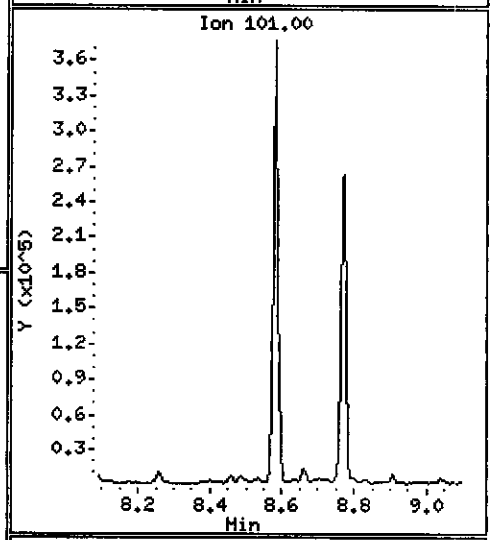


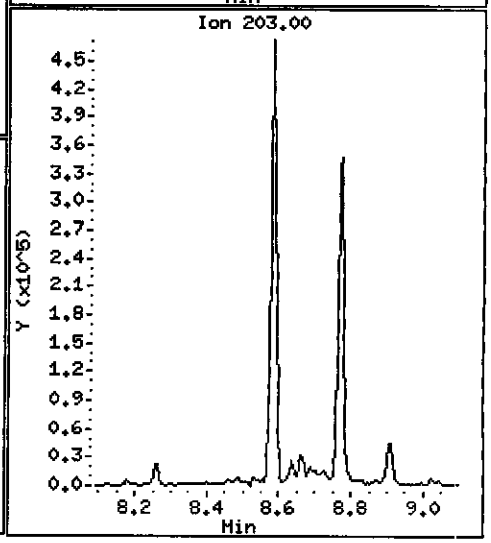












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

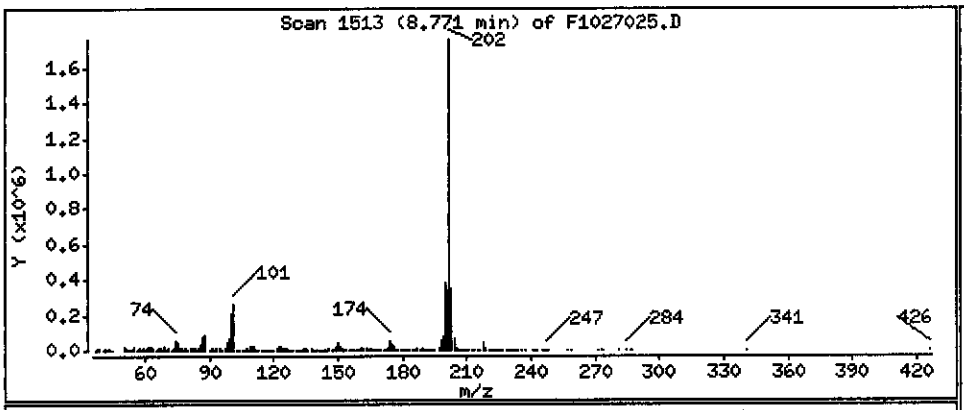
Client ID: SD10-33 Instrument: 722.i

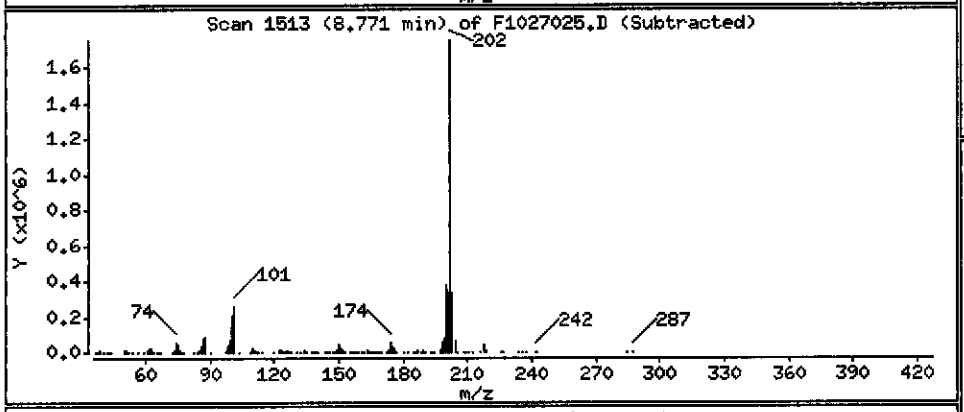
Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

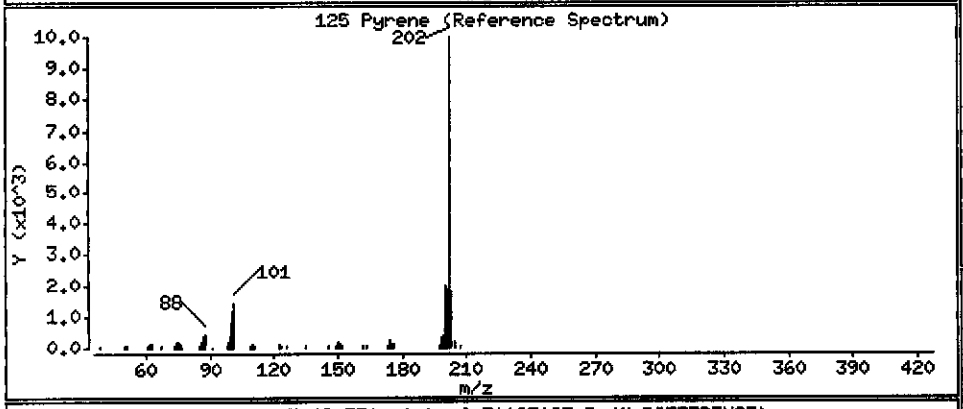
Volume Injected (uL): 2.0 Operator: 007062

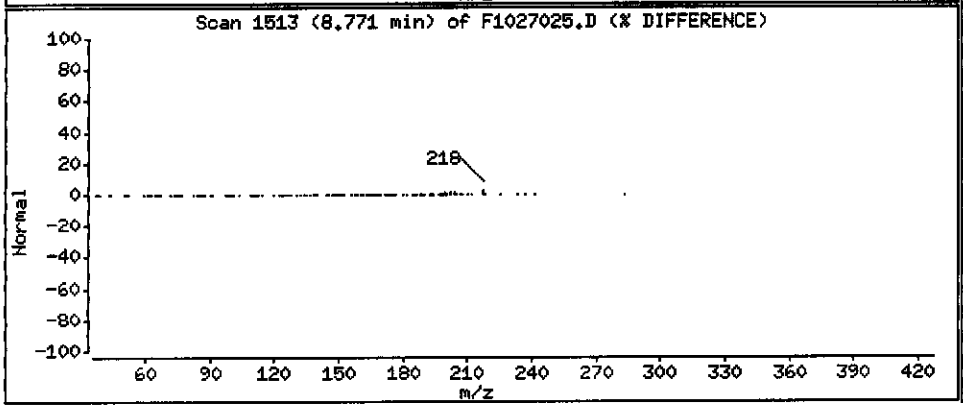
Column phase: Hp5-MS Column diameter: 0.25

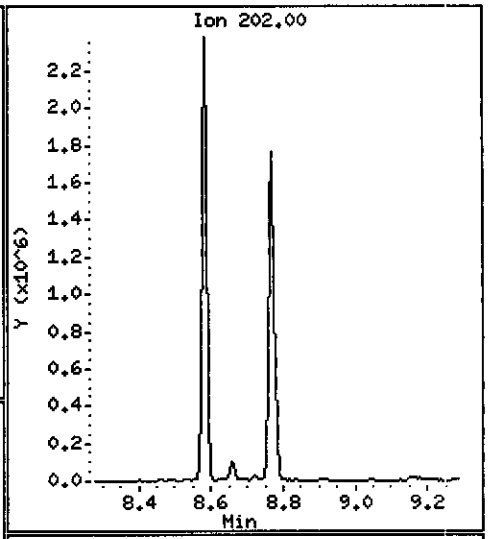
125 Pyrene Concentration: 242.91 ug/kg

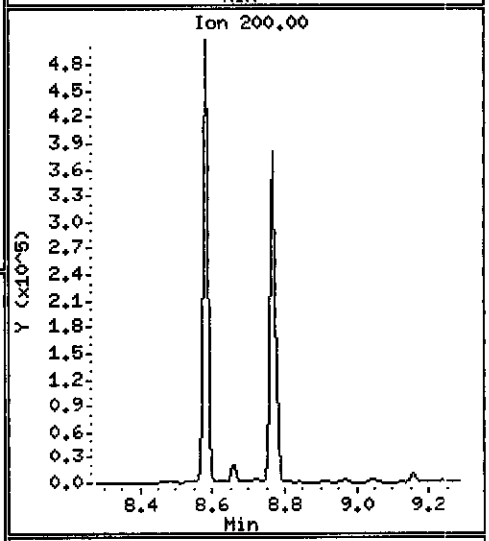


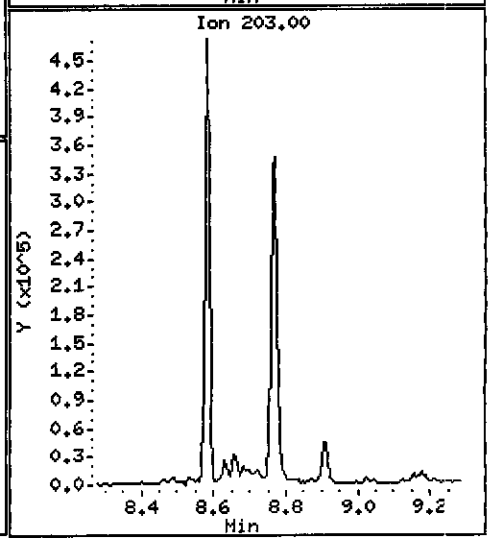












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

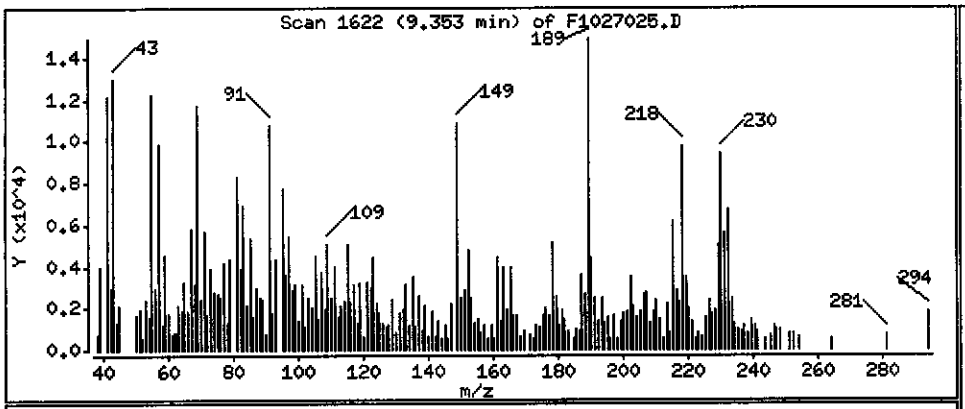
Operator: 007062

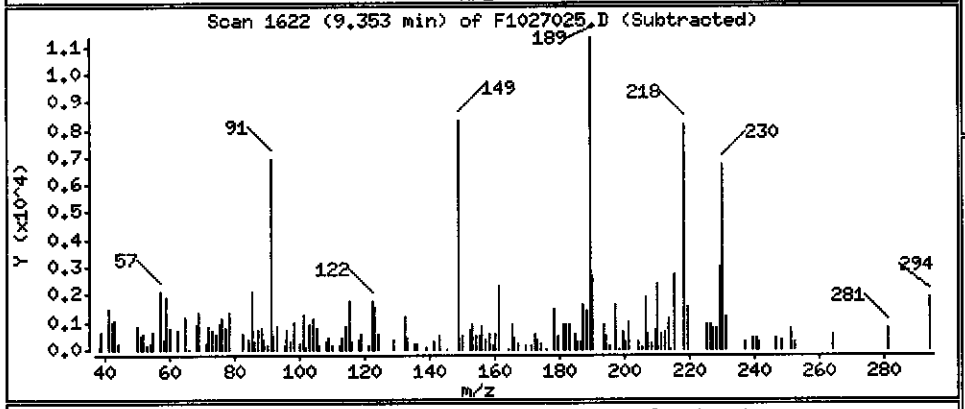
Column phase: Hp5-MS

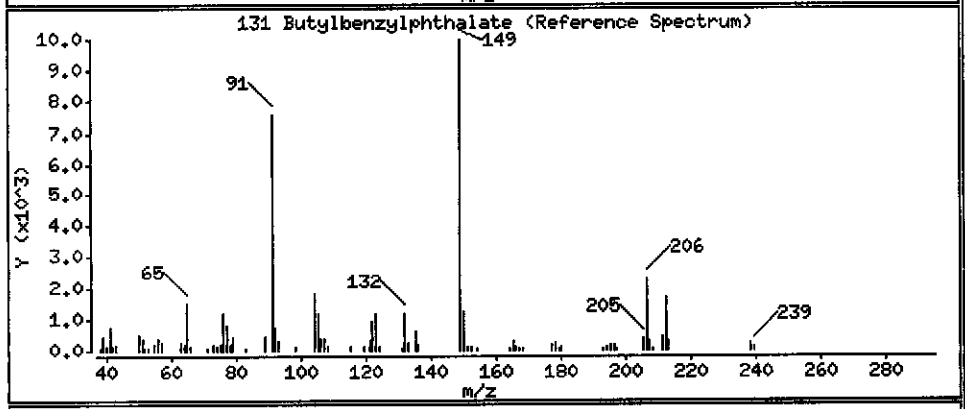
Column diameter: 0.25

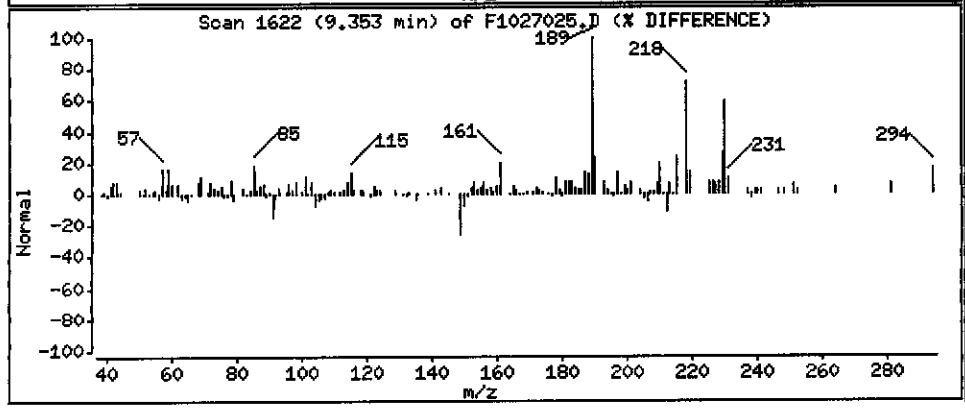
131 Butylbenzylphthalate

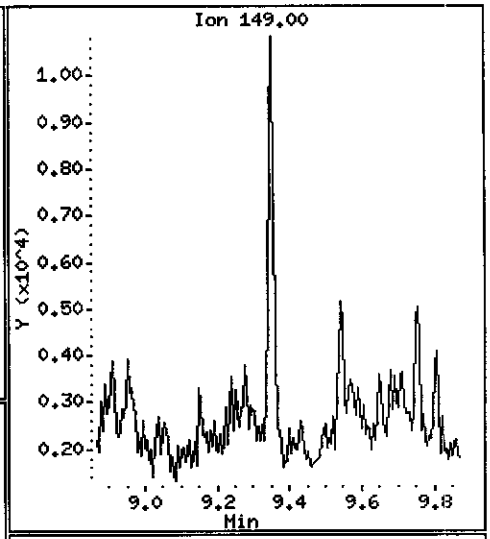
Concentration: 3.0533 ug/kg

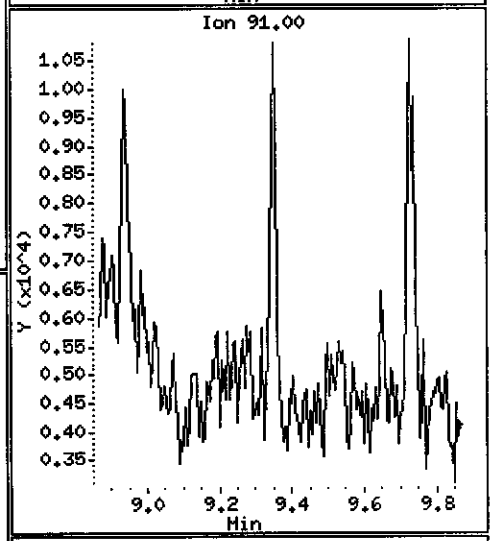


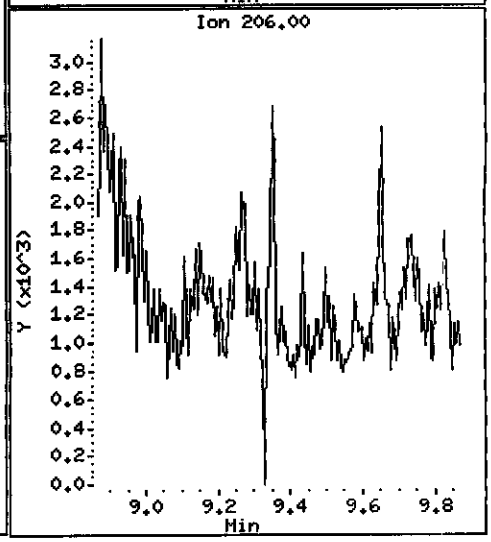












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

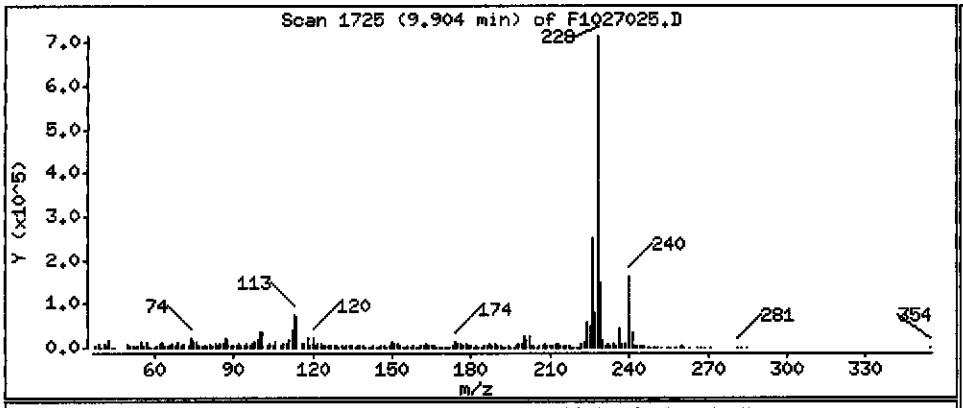
Client ID: SD10-33 Instrument: 722.i

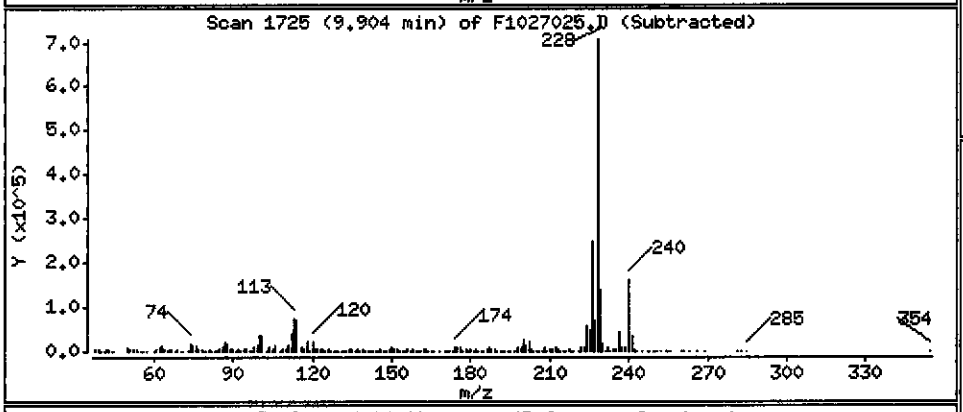
Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

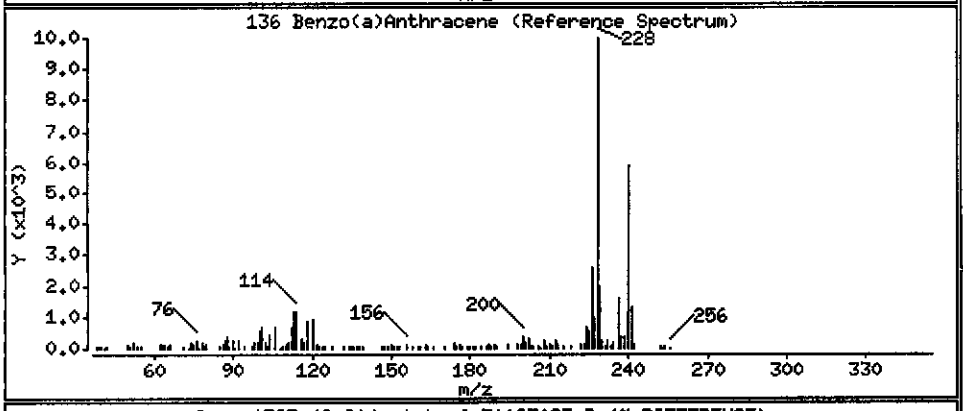
Volume Injected (uL): 2.0 Operator: 007062

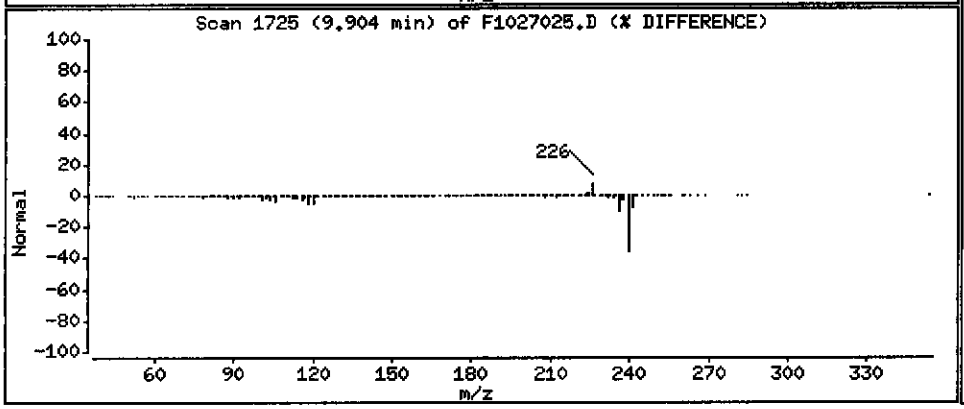
Column phase: Hp5-MS Column diameter: 0.25

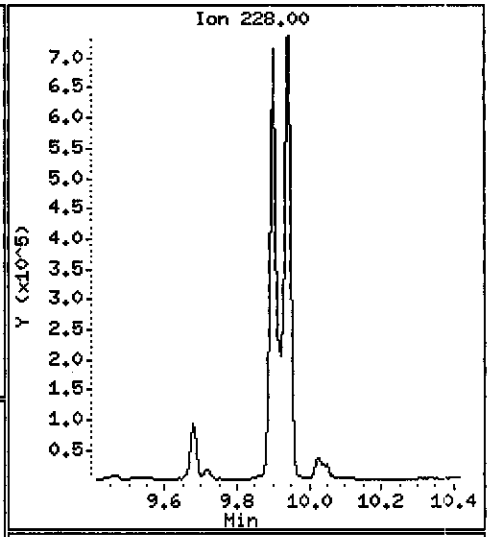
136 Benzo(a)Anthracene Concentration: 133.81 ug/kg

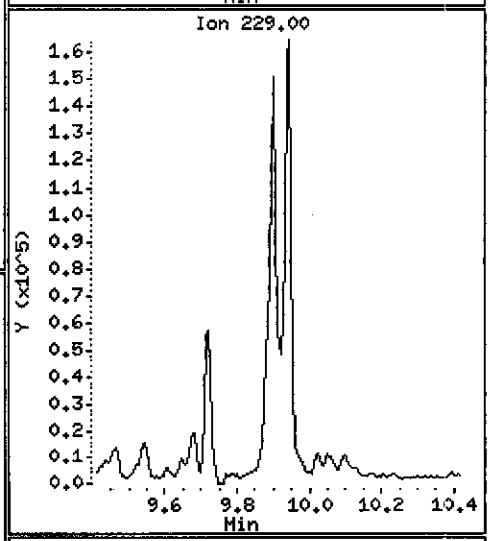


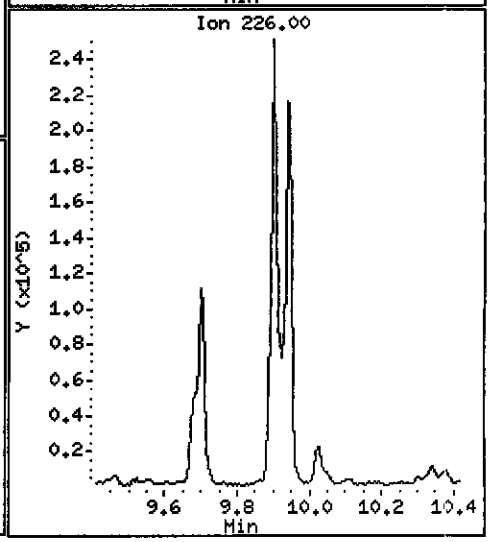












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

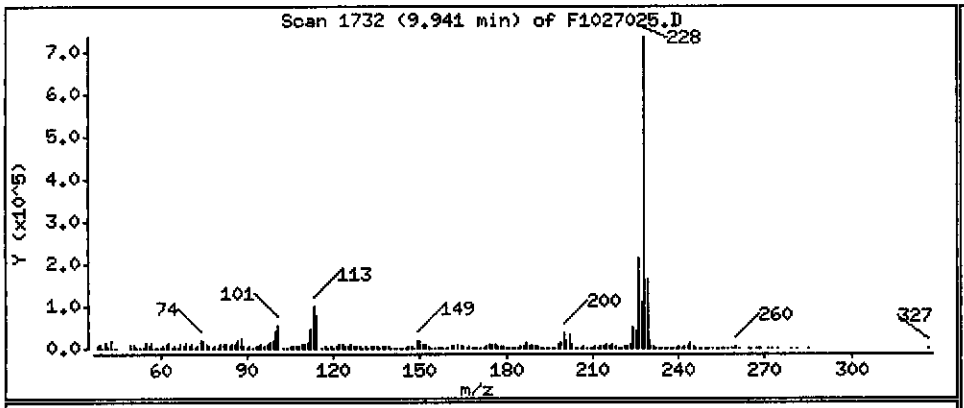
Operator: 007062

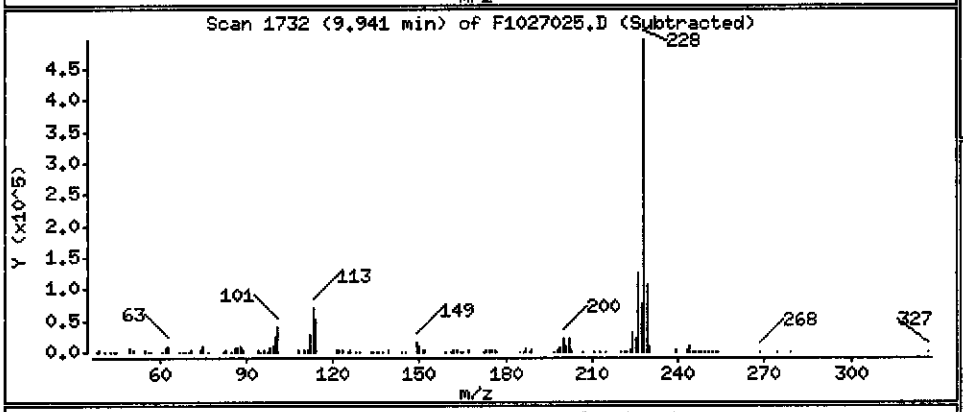
Column phase: Hp5-MS

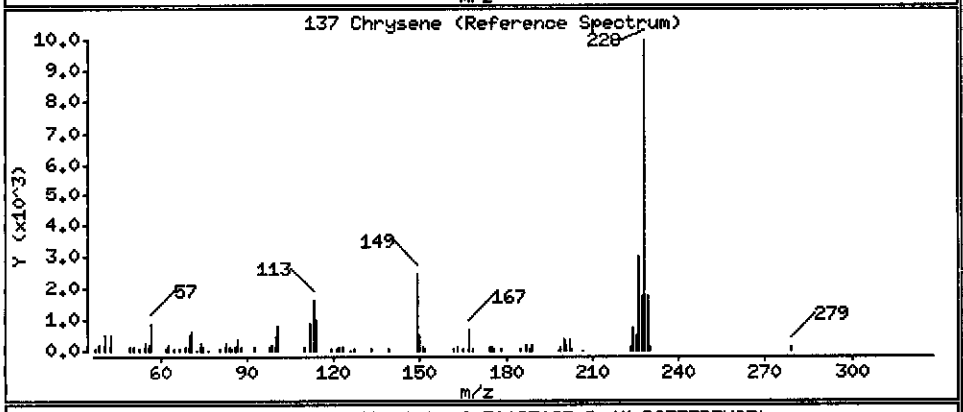
Column diameter: 0.25

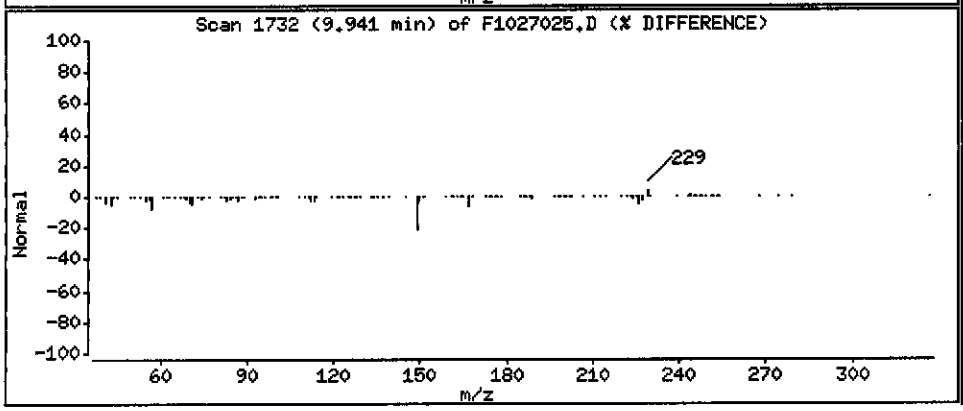
137 Chrysene

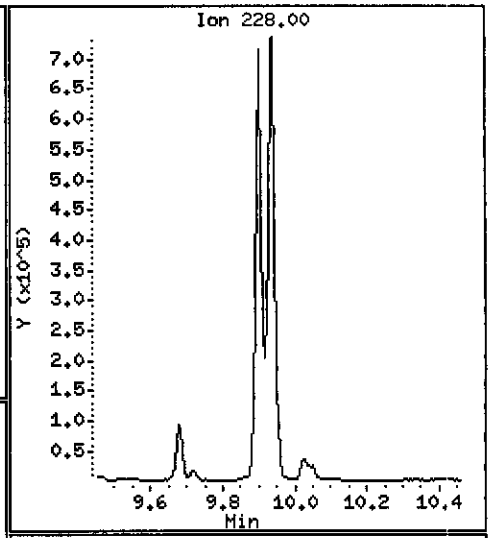
Concentration: 164.78 ug/kg

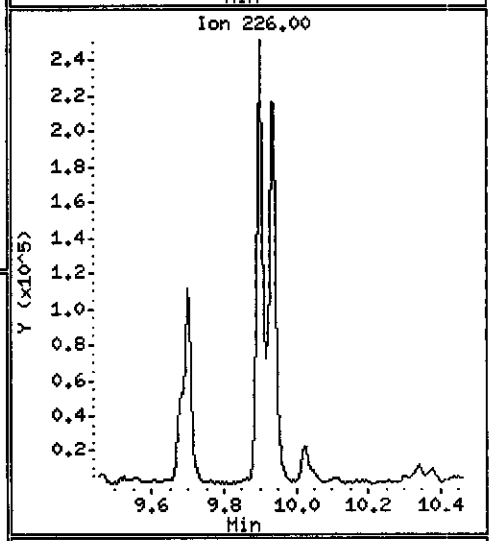


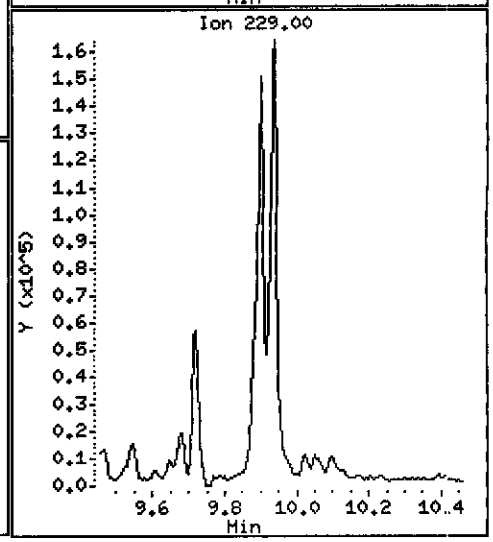












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

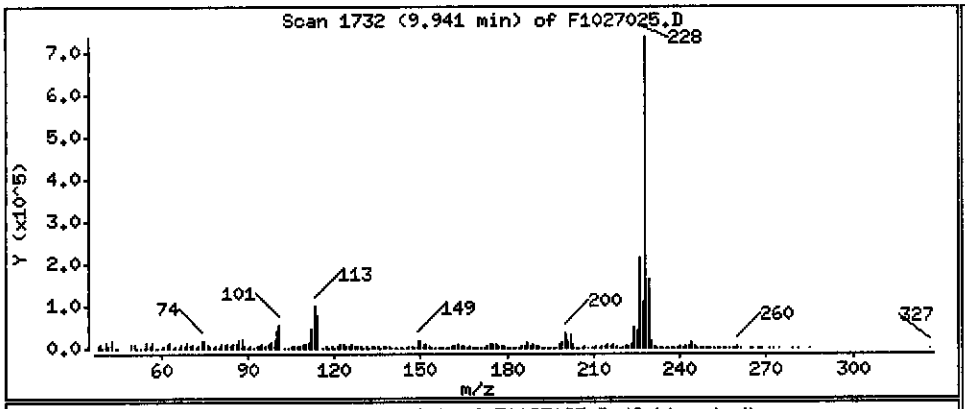
Operator: 007062

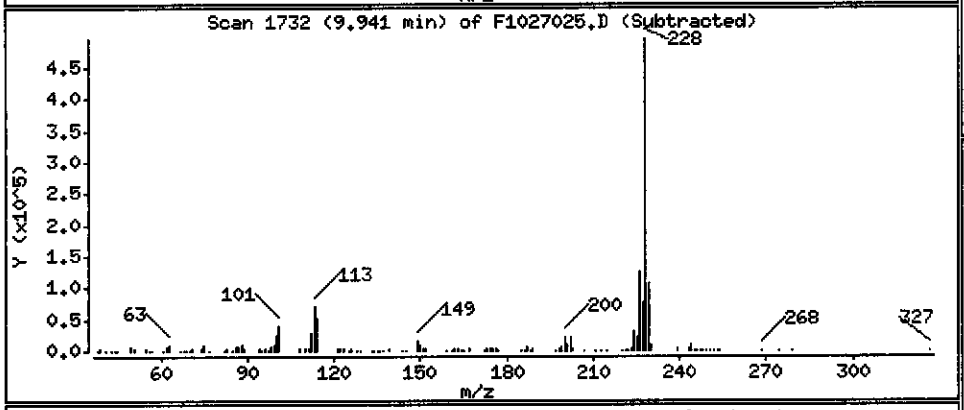
Column phase: Hp5-MS

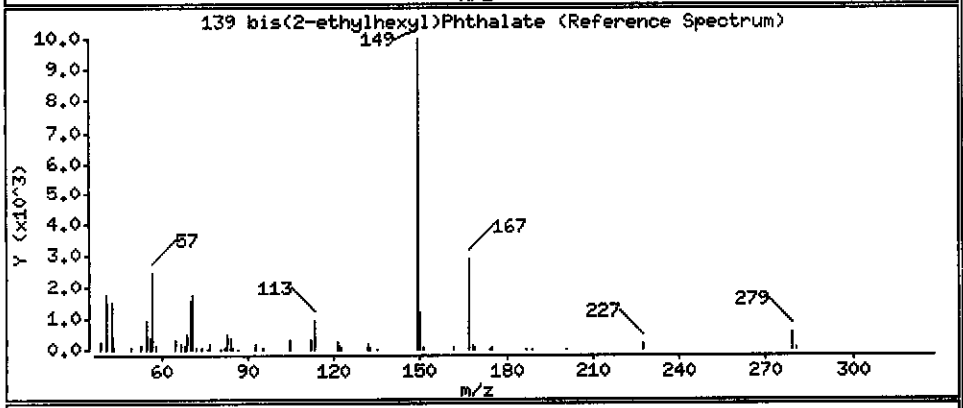
Column diameter: 0.25

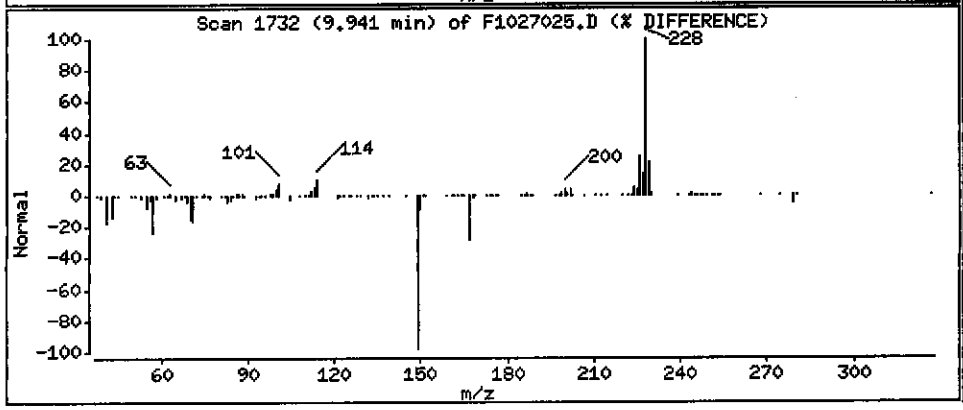
139 bis(2-ethylhexyl)Phthalate

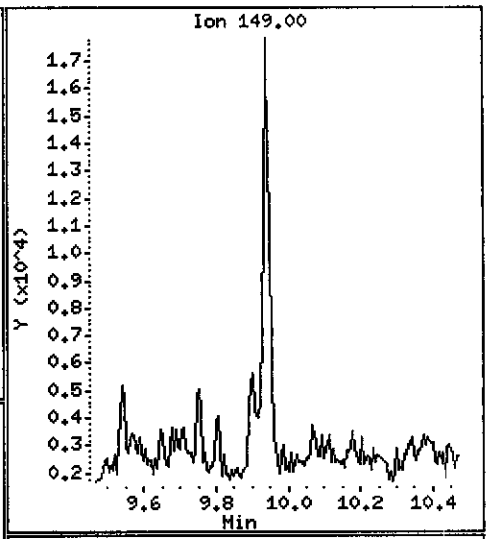
Concentration: 4.1376 ug/kg

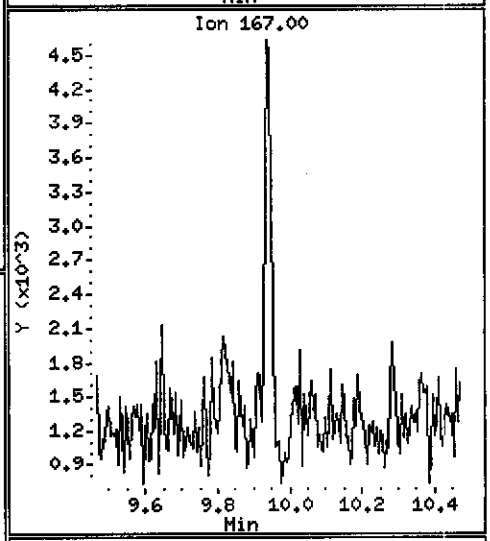


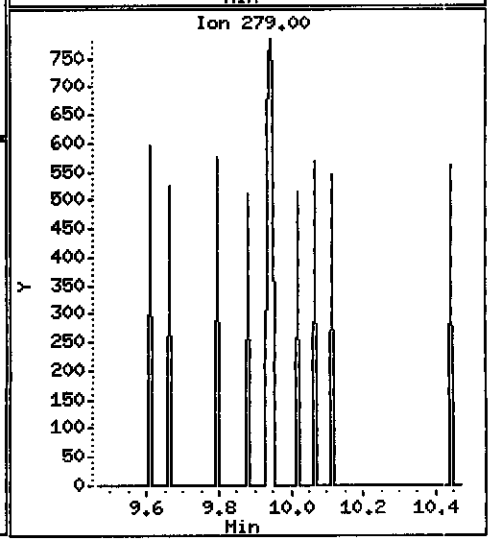












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

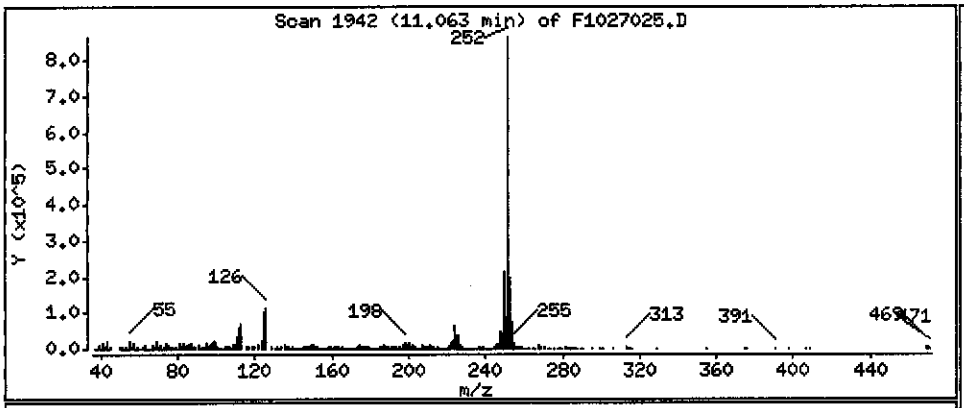
Operator: 007062

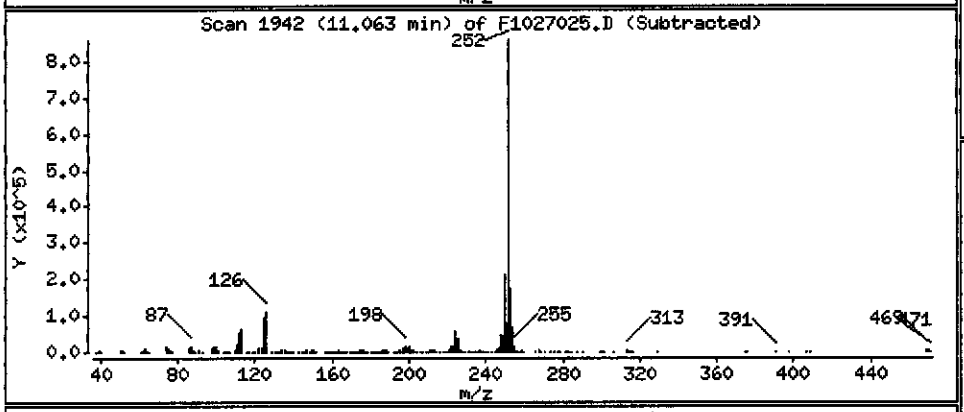
Column phase: Hp5-MS

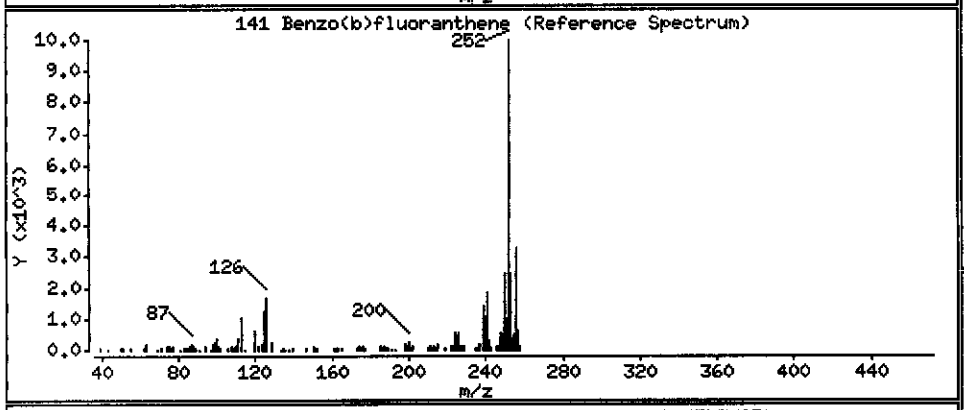
Column diameter: 0.25

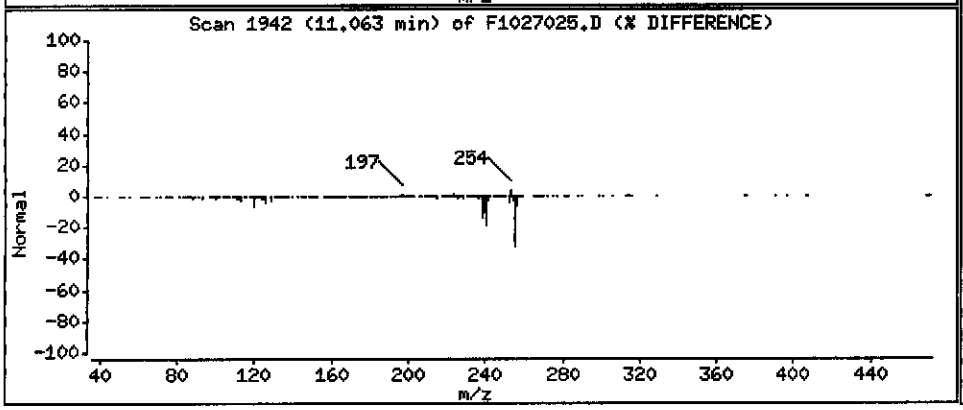
141 Benzo(b)fluoranthene

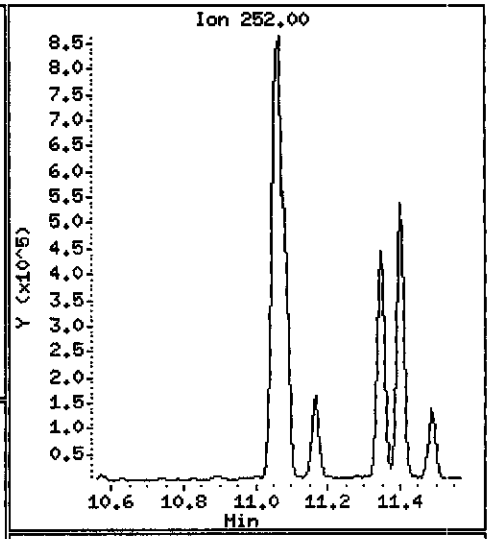
Concentration: 217.65 ug/kg

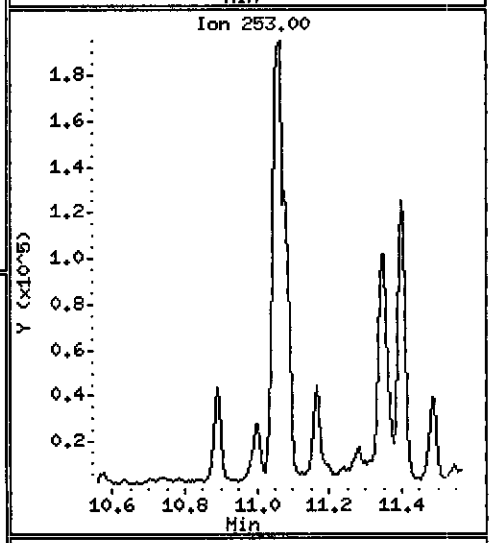


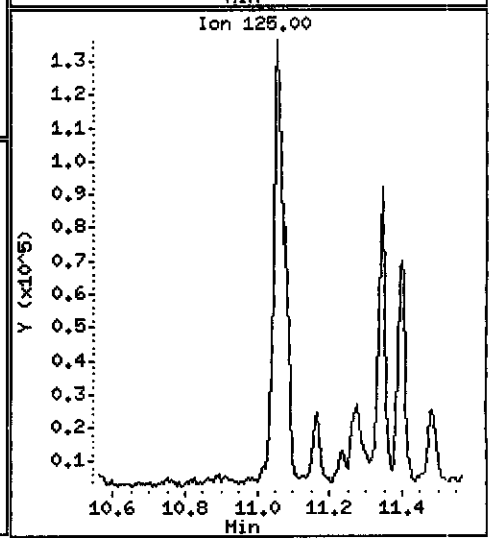












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

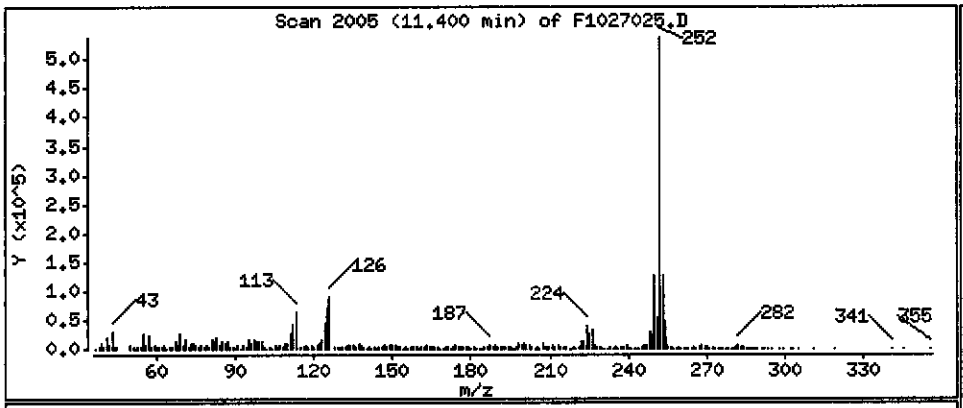
Operator: 007062

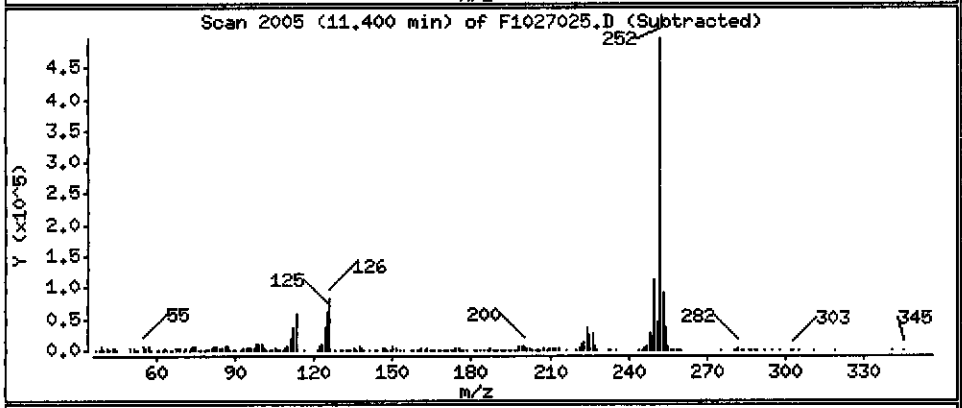
Column phase: Hp5-MS

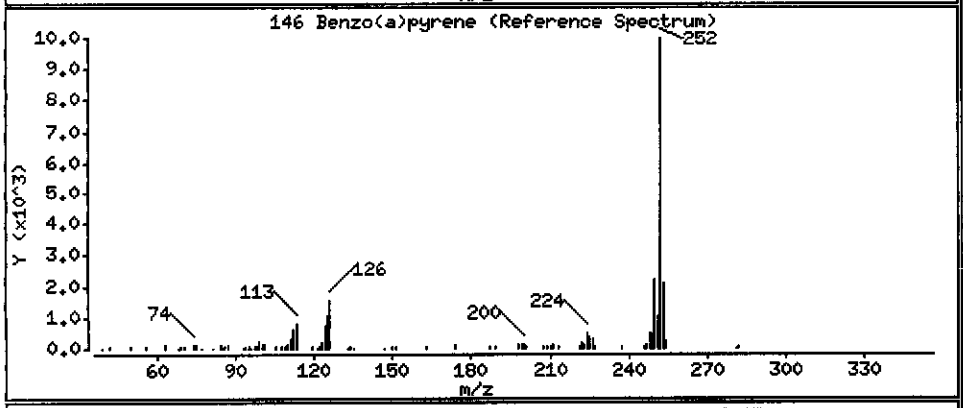
Column diameter: 0.25

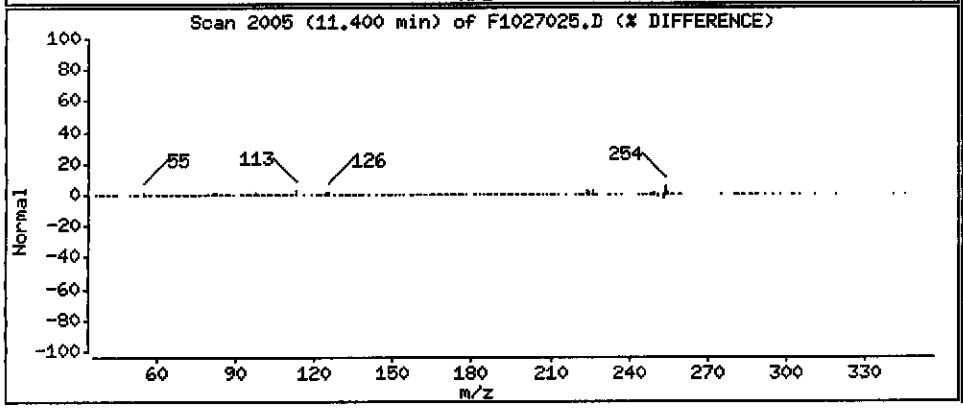
146 Benzo(a)pyrene

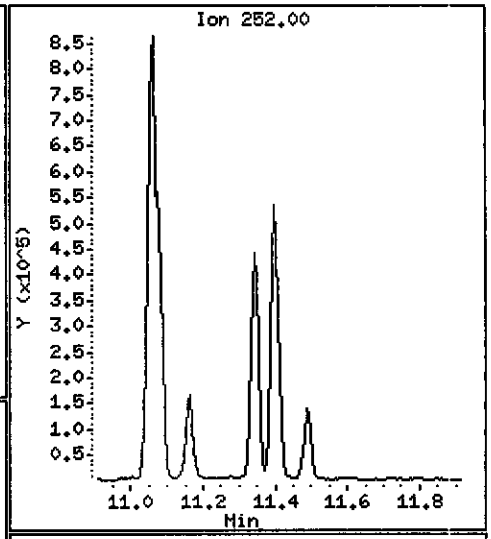
Concentration: 121.39 ug/kg

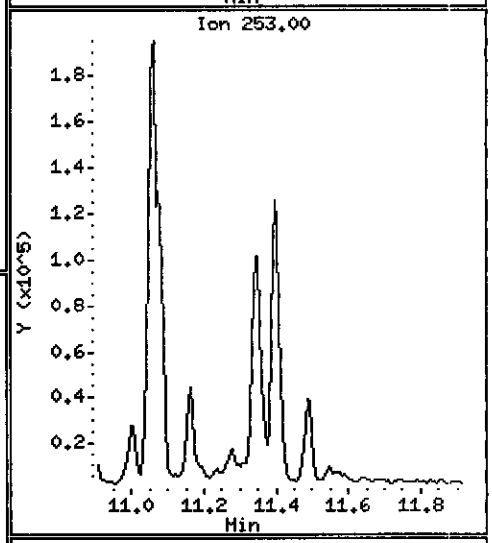


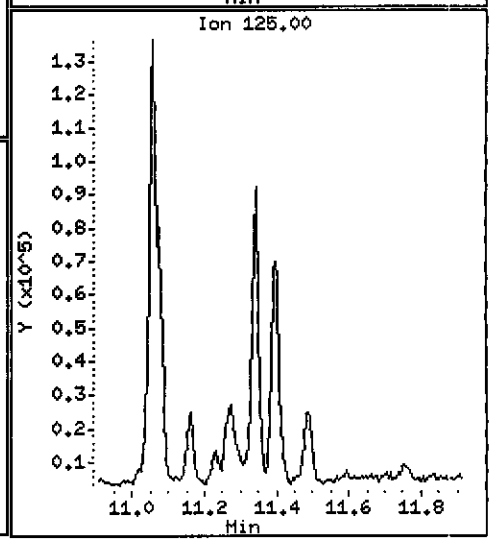












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

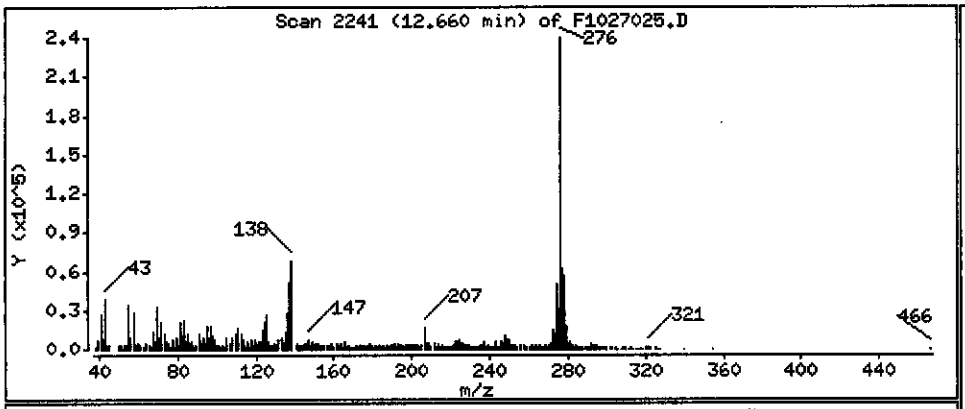
Operator: 007062

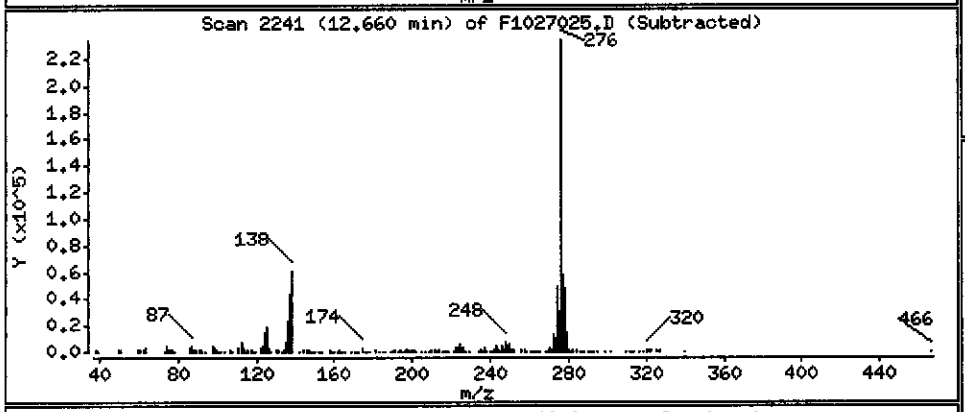
Column phase: Hp5-MS

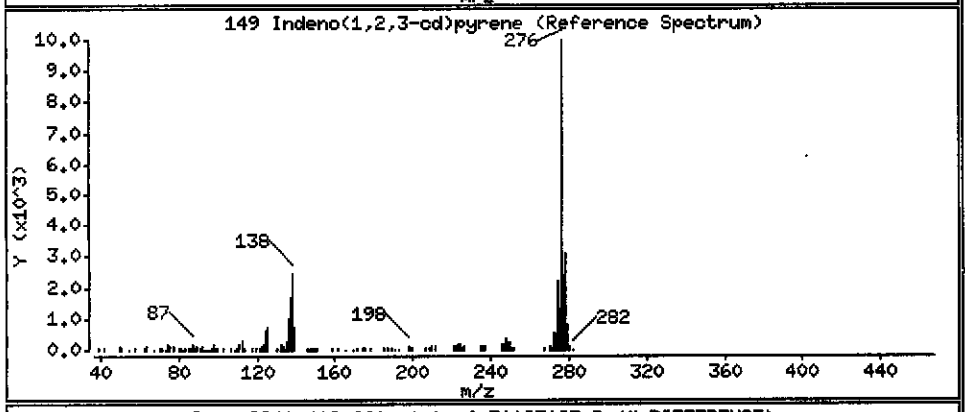
Column diameter: 0.25

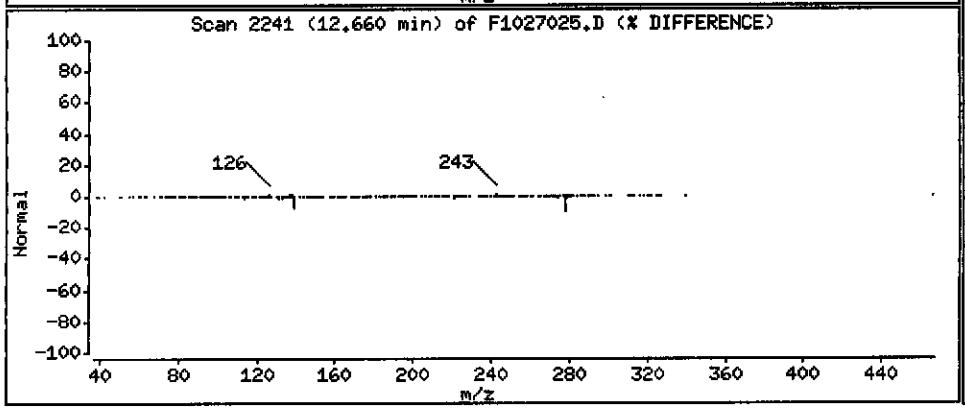
149 Indeno(1,2,3-cd)pyrene

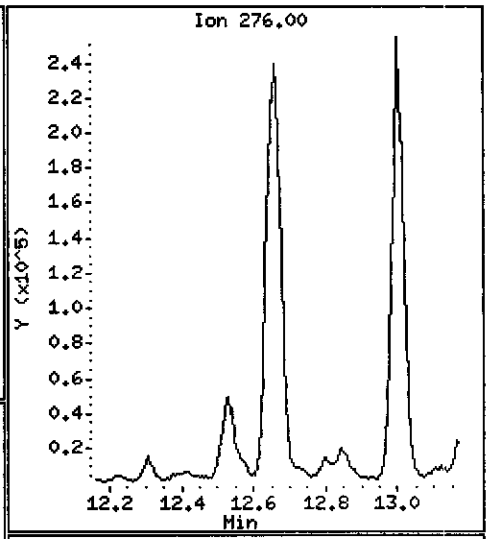
Concentration: 78.229 ug/kg

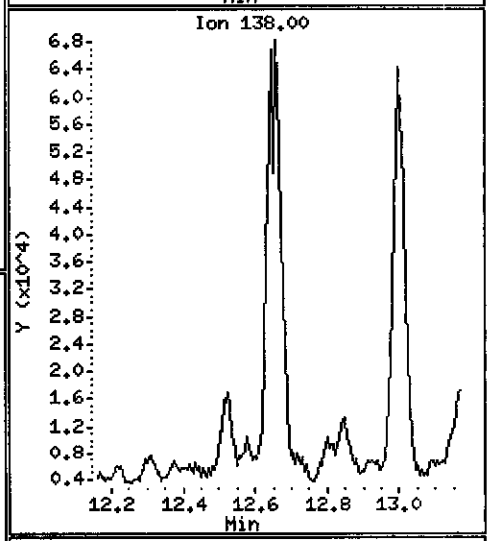


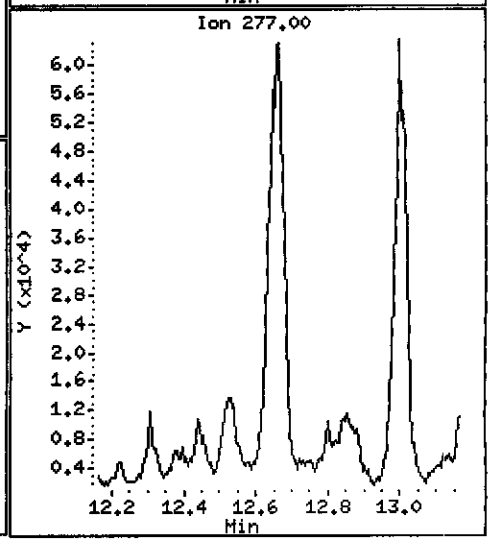












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

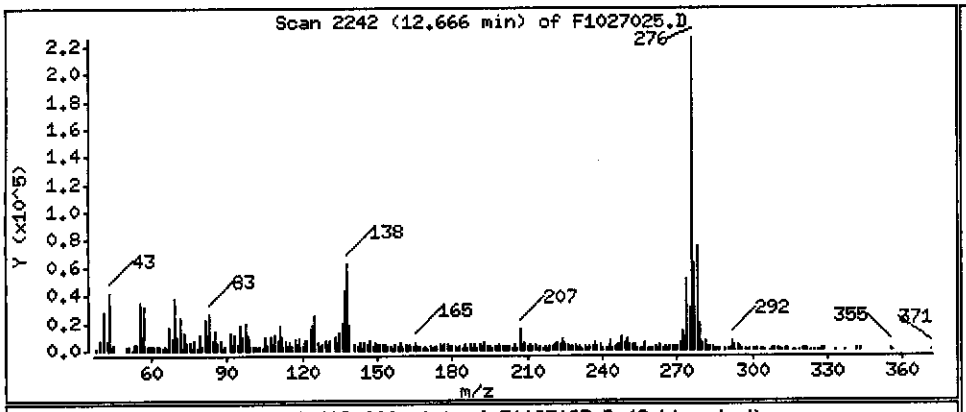
Operator: 007062

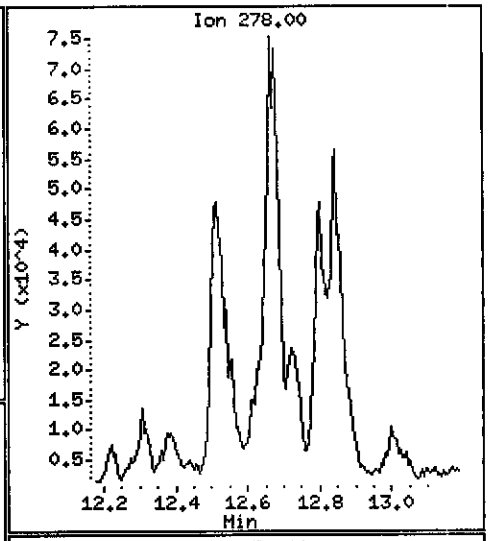
Column phase: Hp5-MS

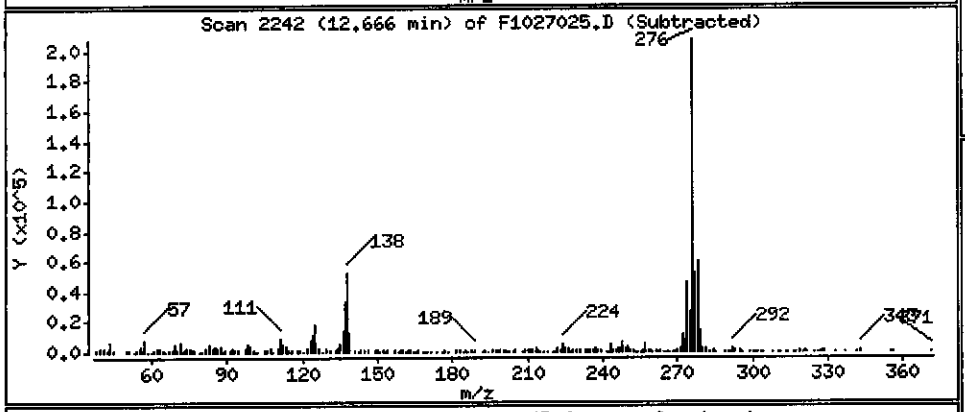
Column diameter: 0.25

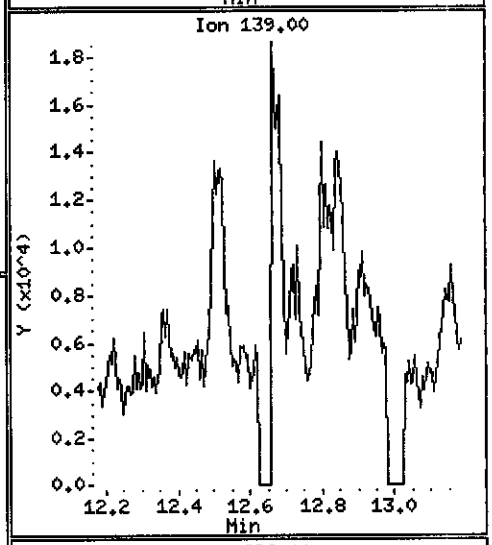
150 Dibenz(a,h)anthracene

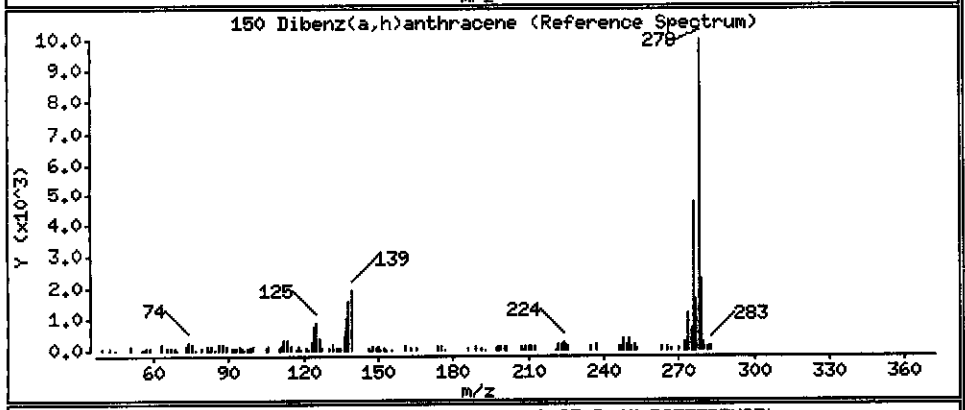
Concentration: 28.375 ug/kg

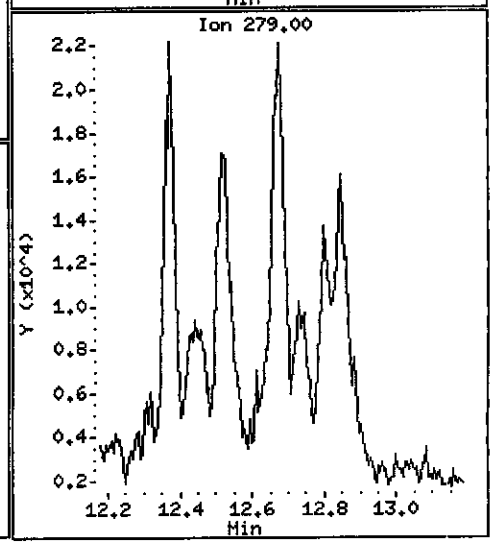


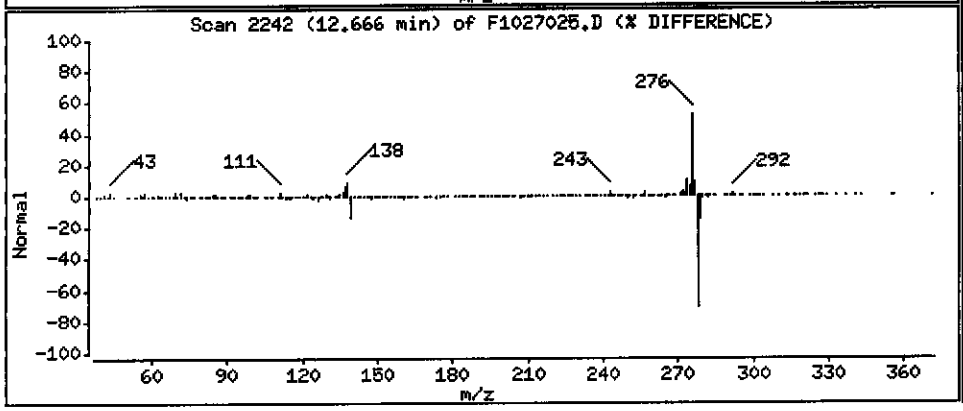












Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027025.D

Date : 27-OCT-2010 08:35

Client ID: SD10-33

Instrument: 722.i

Sample Info: C0J210496-006 x5 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

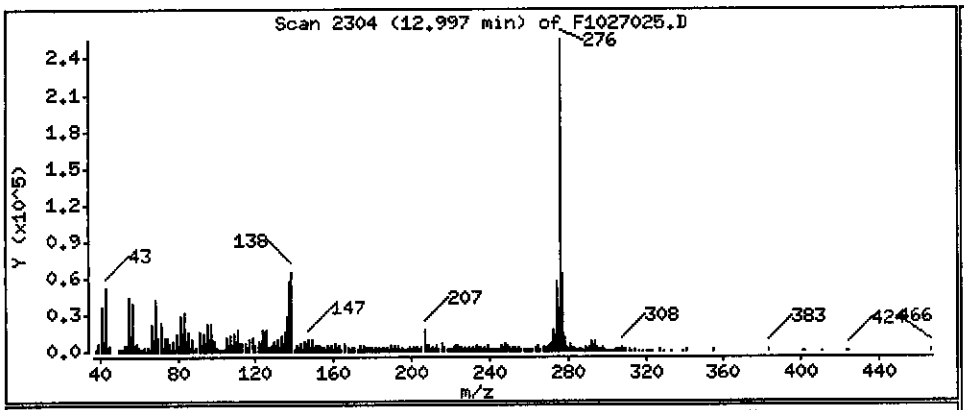
Operator: 007062

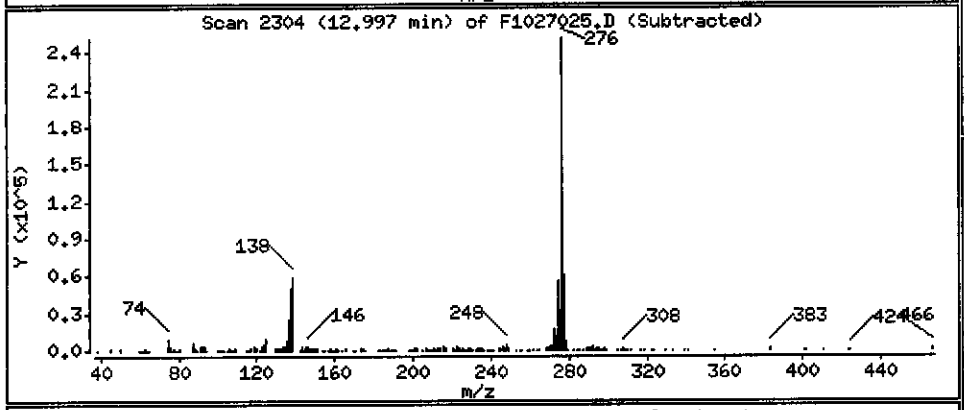
Column phase: Hp5-MS

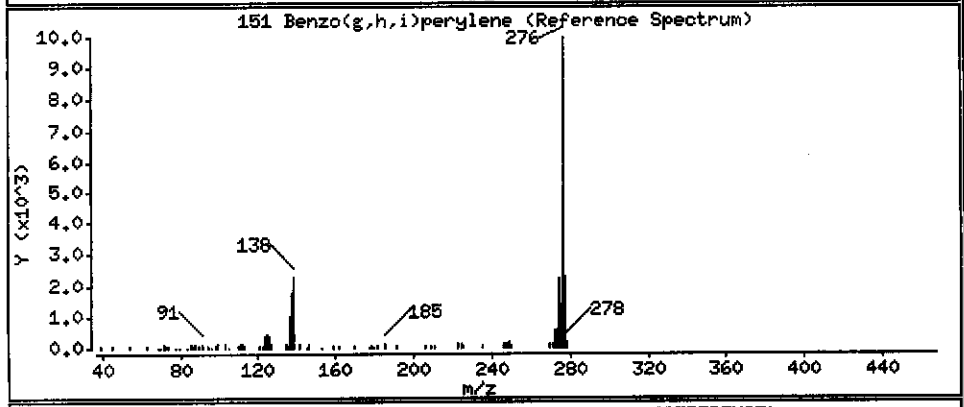
Column diameter: 0.25

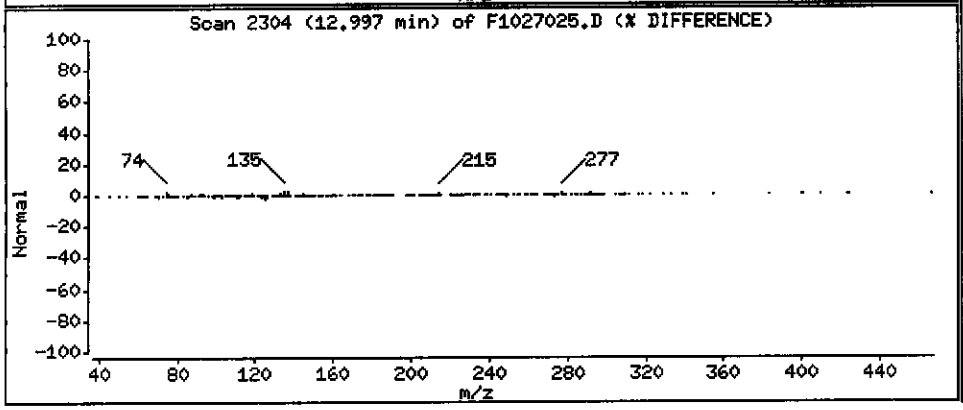
151 Benzo(g,h,i)perylene

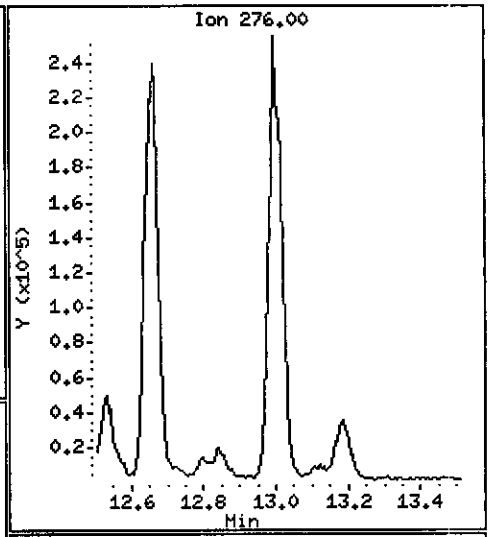
Concentration: 86.739 ug/kg

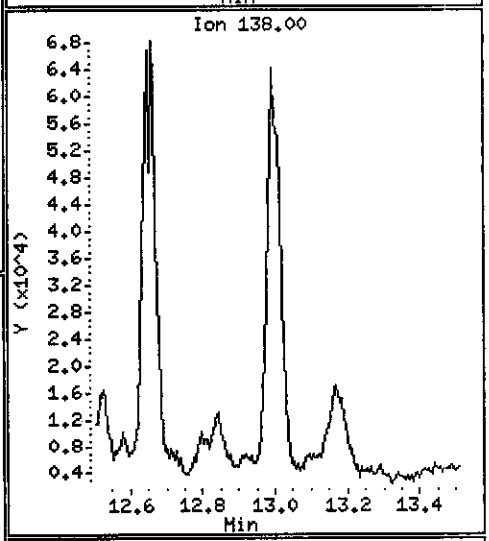


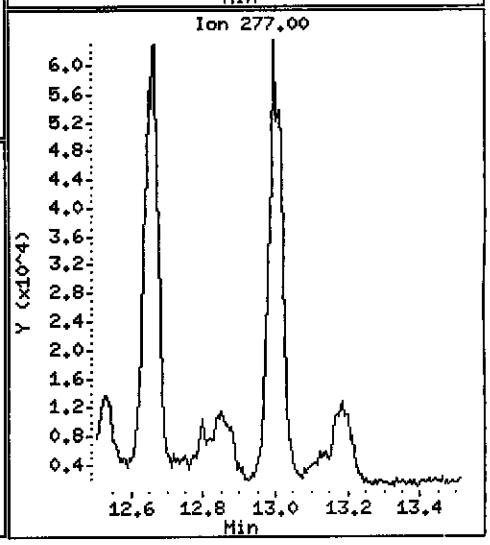












GC/MS SEMIVOLATILE
CALIBRATION DATA

8270D

(1001 - 1250)

1113

C0J210496

Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 02-SEP-2010 01:40
End Cal Date : 02-SEP-2010 04:00
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\PITSVR06\d\chem\722.i\090210.b\8270D.m
Last Edit : 02-Sep-2010 05:07 722.i

Calibration File Names:
Level 1: \\PITSVR06\d\chem\722.i\090210.b\F09020C2.D
Level 2: \\PITSVR06\d\chem\722.i\090210.b\F09020C3.D
Level 3: \\PITSVR06\d\chem\722.i\090210.b\F09020C1.D
Level 4: \\PITSVR06\d\chem\722.i\090210.b\F09020C4.D
Level 5: \\PITSVR06\d\chem\722.i\090210.b\F09020C5.D
Level 6: \\PITSVR06\d\chem\722.i\090210.b\F09020C6.D
Level 7: \\PITSVR06\d\chem\722.i\090210.b\F09020C7.D
Level 8: \\PITSVR06\d\chem\722.i\090210.b\F09020C8.D

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
227 Indene	2.54383	2.41104	2.52407	2.50094	2.41111	2.40678						
	2.36312	2.29217					AVRG		2.43163		3.52884	
225 n-Decane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
226 n-Octadecane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 02-SEP-2010 01:40
End Cal Date : 02-SEP-2010 04:00
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\PITSVR06\d\chem\722.i\090210.b\8270D.m
Last Edit : 02-Sep-2010 05:07 722.i

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
224 Pentachloroanisole	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
203 3&4 Methylphenol total	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
198 1,4-Dioxane	+++++	14459	21295	37816	59506	111558						
	162410	216356					QUAD	-0.20530	2.90658	0.15904	0.99813	
7 N-Nitrosomorpholine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
8 Ethyl methanesulfonate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
9 Pyridine	1.62953	1.55807	1.64191	1.61142	1.57527	1.56863						
	1.56161	1.47895					AVRG		1.57817		3.25111	
199 Thionazin	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

(1001 - 1250)

1114

C0J210496

Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 02-SEP-2010 01:40
End Cal Date : 02-SEP-2010 04:00
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\PITSVR06\d\chem\722.i\090210.b\8270D.m
Last Edit : 02-Sep-2010 05:07 722.i

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
200 Sulfotepp	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
10 N-Nitrosodimethylamine	0.74427	0.90410	0.88660	0.92406	0.87525	0.86073						
	0.84994	0.82900					AVRG		0.85925		6.44098	
11 Ethyl methacrylate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
12 3-Chloropropionitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
13 Malononitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
14 2-Picoline	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
15 N-Nitrosomethylethylamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

(1001 - 1250)

1116

C0J210496

Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 02-SEP-2010 01:40
End Cal Date : 02-SEP-2010 04:00
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\PITSVR06\d\chem\722.i\090210.b\8270D.m
Last Edit : 02-Sep-2010 05:07 722.i

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
16 Methyl methanesulfonate	0.70520	0.68347	0.74309	0.75232	0.69353	0.70039						
	0.67986	0.66048					AVRG		0.70229		4.45818	
18 1,3-Dichloro-2-propanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
19 N-Nitrosodiethylamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
220 Benzaldehyde	4430	21148	40058	100992	192891	283789						
	338331	+++++					QUAD	0.17913	0.27554	0.23367	0.99514	
21 Aniline	2.09367	2.00630	2.02291	2.11585	2.01414	2.01290						
	1.96877	1.90734					AVRG		2.01774		3.25375	
22 Phenol	2.02477	1.73576	1.89633	1.84328	1.74942	1.74454						
	1.71481	1.68592					AVRG		1.79935		6.36091	
23 bis(2-Chloroethyl)ether	1.52075	1.30040	1.32614	1.35196	1.27579	1.29614						
	1.23539	1.23944					AVRG		1.31825		6.89864	

Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 02-SEP-2010 01:40
End Cal Date : 02-SEP-2010 04:00
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\PITSVR06\d\chem\722.i\090210.b\8270D.m
Last Edit : 02-Sep-2010 05:07 722.i

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
24 2-Chlorophenol	1.54082	1.43471	1.45540	1.45965	1.42456	1.39932						
	1.40109	1.35666					AVRG		1.43403		3.80884	
25 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
26 1,3-Dichlorobenzene	1.80088	1.62956	1.68221	1.70007	1.62961	1.64602						
	1.63477	1.57328					AVRG		1.66205		4.07523	
27 1,4-Dichlorobenzene	1.68550	1.65954	1.69872	1.71304	1.66345	1.63385						
	1.63201	1.57378					AVRG		1.65749		2.68125	
28 1,2-Dichlorobenzene	1.71745	1.52586	1.61208	1.59523	1.55876	1.56812						
	1.55306	1.52024					AVRG		1.58135		3.99650	
29 Benzyl Alcohol	+++++	24451	21145	73532	110159	265332						
	411209	580897					QUAD	0.01590	1.37897	-0.01874	0.99680	<-
30 2-Methylphenol	5200	13799	46658	118822	228626	406536						
	621142	836669					QUAD	0.01304	0.77798	0.00666	0.99947	

(1001 - 1250)

1117

C0J210496

Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 02-SEP-2010 01:40
End Cal Date : 02-SEP-2010 04:00
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\PITSVR06\d\chem\722.i\090210.b\8270D.m
Last Edit : 02-Sep-2010 05:07 722.i

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
31 2,2'-oxybis(1-Chloropropane)	1.32960	1.24549	1.26573	1.25488	1.19297	1.19500						
	1.20009	1.15096					AVRG		1.22934		4.53845	
32 N-Nitroso-di-n-propylamine	1.04789	1.02571	1.02768	1.02775	0.96973	0.94312						
	0.93237	0.91048					AVRG		0.98559		5.36480	
M 195 Cresols, total	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
192 4-Methylphenol	1.32855	1.28132	1.23679	1.31223	1.20889	1.19527						
	1.17213	1.15039					AVRG		1.23570		5.31821	
193 3-Methylphenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
34 Hexachloroethane	0.54758	0.62394	0.63671	0.63229	0.63194	0.63732						
	0.62490	0.60923					AVRG		0.61799		4.83171	
35 Nitrobenzene	0.46521	0.42767	0.42674	0.41585	0.39968	0.40175						
	0.40025	0.39423					AVRG		0.41642		5.64184	

Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 02-SEP-2010 01:40
End Cal Date : 02-SEP-2010 04:00
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\PITSVR06\d\chem\722.i\090210.b\8270D.m
Last Edit : 02-Sep-2010 05:07 722.i

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
36 N-Nitrosopyrrolidine	0.60487	0.63255	0.68954	0.69230	0.62015	0.62727						
	0.62353	0.60910					AVRG		0.63741		5.37229	
37 Acetophenone	1.96562	1.90659	2.02159	1.97170	1.82046	1.83722						
	1.80716	1.74778					AVRG		1.88477		5.09199	
39 o-Toluidine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
40 N-Nitrosopiperidine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
41 Isophorone	0.73973	0.70392	0.71881	0.68298	0.67094	0.66304						
	0.66323	0.64327					AVRG		0.68574		4.73835	
42 2-Nitrophenol	0.17188	0.19298	0.21237	0.21251	0.20446	0.21277						
	0.21122	0.21570					AVRG		0.20424		7.31336	
43 2,4-Dimethylphenol	0.43635	0.37392	0.39179	0.39593	0.36214	0.38155						
	0.37239	0.36743					AVRG		0.38519		6.14881	

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INITIAL CALIBRATION DATA

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End Cal Date : 02-SEP-2010 04:00
Quant Method : ISTD
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Target Version : 4.14
Integrator : HP RTE
Method file : \\PITSVR06\d\chem\722.i\090210.b\8270D.m
Last Edit : 02-Sep-2010 05:07 722.i

Compound	0.4000000 Level 1 / 60.0000 Level 7	2.0000 Level 2 / 80.0000 Level 8	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
44 bis(2-Chloroethoxy)methane	0.42387	0.40115	0.41363	0.39913	0.38458	0.39402						
	0.39334	0.38726					AVRG		0.39962		3.32620	
45 O,O,O-Triethyl phosphorothioa	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
46 2,4-Toluenediamene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
47 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
48 2,4-Dichlorophenol	0.29878	0.29282	0.29500	0.30165	0.29875	0.30197						
	0.30182	0.30056					AVRG		0.29892		1.13484	
49 Benzoic Acid	0.13442	0.13817	0.18209	0.17978	0.16552	0.15755						
	0.16024	0.14416					AVRG		0.15774		11.38293	
50 1,2,4-Trichlorobenzene	0.35323	0.33541	0.33946	0.33186	0.32955	0.34394						
	0.34058	0.33842					AVRG		0.33906		2.18219	

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Last Edit : 02-Sep-2010 05:07 722.i

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
51 Naphthalene	1.17391	1.05080	1.09393	1.06553	1.04186	1.04722						
	1.03195	0.98304					AVRG		1.06103		5.21550	
52 4-Chloroaniline	0.43307	0.44219	0.43092	0.45342	0.43135	0.44397						
	0.44079	0.43492					AVRG		0.43883		1.76799	
221 Caprolactam	0.07872	0.09390	0.10188	0.10137	0.10135	0.10286						
	0.10656	0.09784					AVRG		0.09806		8.81462	
53 a,a-Dimethyl-phenethylamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
54 2,6-Dichlorophenol	0.30498	0.29328	0.29158	0.30497	0.28423	0.29495						
	0.29547	0.30025					AVRG		0.29621		2.37276	
55 Hexachloropropene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
56 Hexachlorobutadiene	0.21183	0.19172	0.20382	0.19637	0.19904	0.20116						
	0.20460	0.20236					AVRG		0.20136		2.96994	

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Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
57 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
58 N-Nitrosodi-n-butylamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
59 4-Chloro-3-Methylphenol	0.31070	0.29836	0.33345	0.31316	0.30218	0.30397						
	0.29979	0.30599					AVRG		0.30845		3.66434	
60 p-Phenylene diamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
61 Safrole	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
62 2-Methylnaphthalene	0.73687	0.69778	0.72622	0.70302	0.67447	0.68892						
	0.68002	0.68021					AVRG		0.69844		3.24987	
64 Hexachlorocyclopentadiene	1683	9306	23495	63856	138822	288095						
	453516	642122					QUAD	0.11548	2.41046	-0.06770	0.99916	

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Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
65 1,2,4,5-Tetrachlorobenzene	0.58729	0.51865	0.55906	0.54607	0.56493	0.60731						
	0.62021	0.60981					AVRG		0.57667		6.14725	
66 2,4,6-Trichlorophenol	0.39580	0.34713	0.36403	0.36573	0.37421	0.38900						
	0.39055	0.39410					AVRG		0.37757		4.65931	
67 2,4,5-Trichlorophenol	0.37077	0.39300	0.38765	0.39780	0.38673	0.40962						
	0.41579	0.40148					AVRG		0.39535		3.58754	
68 1,2,3,5-Tetrachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
222 1,1'-Biphenyl	1.55830	1.50023	1.48470	1.48323	1.52955	1.56399						
	1.54400	1.51302					AVRG		1.52213		2.08805	
69 1,4-Dinitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
70 2-Chloronaphthalene	1.18527	1.11316	1.21716	1.13377	1.16297	1.18677						
	1.18897	1.18126					AVRG		1.17117		2.85138	

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Last Edit : 02-Sep-2010 05:07 722.i

Compound	0.4000000 Level 1 / 60.0000 Level 7	2.0000 Level 2 / 80.0000 Level 8	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
219 1-Chloronaphthalene	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
71 Isosafrole 1	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
M 188 Isosafrole, total	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
72 Isosafrole 2	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
73 2-Nitroaniline	0.30623 / 0.34664	0.34604 / 0.34982	0.35570	0.34408	0.34001	0.35450	AVRG		0.34288		4.57835	
74 1,2,3,4-Tetrachlorobenzene	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
75 1,4-Naphthoquinone	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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C0J210496

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Last Edit : 02-Sep-2010 05:07 722.i

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
76 Dimethylphthalate	1.43161	1.27705	1.26965	1.24258	1.25144	1.29973						
	1.27053	1.25941					AVRG		1.28775		4.70887	
77 m-Dinitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
78 2,6-Dinitrotoluene	0.29792	0.27281	0.30049	0.29272	0.29110	0.30309						
	0.31687	0.31036					AVRG		0.29817		4.48293	
79 Acenaphthylene	1.91749	1.83791	1.85348	1.82311	1.82398	1.86655						
	1.82323	1.77936					AVRG		1.84064		2.19182	
80 1,2-Dinitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
81 3-Nitroaniline	0.27377	0.30067	0.30741	0.30253	0.30931	0.32526						
	0.32965	0.32921					AVRG		0.30973		6.04075	
82 Acenaphthene	1.20766	1.08110	1.15142	1.12883	1.14723	1.17696						
	1.15327	1.11844					AVRG		1.14562		3.31738	

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Method file : \\PITSVR06\d\chem\722.i\090210.b\8270D.m
Last Edit : 02-Sep-2010 05:07 722.i

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
83 2,4-Dinitrophenol	+++++	6036	21244	48750	78328	106654						
	172778	245954					QUAD	0.25778	6.57120	-0.67668	0.99719	
84 Pentachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
85 4-Nitrophenol	+++++	0.17686	0.19161	0.19344	0.21333	0.20915						
	0.21010	0.21404					AVRG		0.20122		7.02590	
86 Dibenzofuran	1.72412	1.58646	1.64282	1.56473	1.58725	1.60202						
	1.61619	1.57724					AVRG		1.61260		3.17433	
87 2,4-Dinitrotoluene	0.37328	0.36662	0.38354	0.38057	0.39029	0.40868						
	0.41378	0.40913					AVRG		0.39074		4.57081	
88 2,3,4,6-Tetrachlorophenol	0.36259	0.28880	0.33710	0.29754	0.30760	0.32261						
	0.32320	0.30968					AVRG		0.31864		7.35642	
89 1-Naphthylamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
90 Zinophos	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
91 2,3,5,6-Tetrachlorophenol	0.29742	0.27324	0.31995	0.28825	0.30022	0.32251						
	0.33779	0.33986					AVRG		0.30991		7.71139	
92 2-Naphthylamine	1.12501	1.10216	1.07625	1.06784	1.03699	1.03838						
	+++++	+++++					AVRG		1.07444		3.24431	
93 Diethylphthalate	1.46507	1.20423	1.26169	1.23179	1.22037	1.25491						
	1.25695	1.22039					AVRG		1.26443		6.61574	
94 Fluorene	1.40758	1.25680	1.33449	1.25401	1.28873	1.35297						
	1.34587	1.34296					AVRG		1.32293		3.98156	
95 4-Chlorophenyl-phenylether	0.66114	0.63241	0.62789	0.60141	0.61614	0.66081						
	0.68011	0.68711					AVRG		0.64588		4.78779	
96 4-Nitroaniline	0.27377	0.30067	0.32854	0.30253	0.30931	0.32526						
	0.32965	0.32921					AVRG		0.31237		6.33769	

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Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
97 5-Nitro-o-toluidine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
98 4,6-Dinitro-2-methylphenol	5114	10942	34290	78287	121274	151203						
	232819	332018					QUAD	0.12339	7.05727	-0.60749	0.99957	
99 N-Nitrosodiphenylamine	0.61394	0.56933	0.57514	0.54696	0.54045	0.56571						
	0.56815	0.58479					AVRG		0.57056		3.97456	
100 1,2-Diphenylhydrazine	0.98326	0.90641	0.95635	0.90097	0.89579	0.89149						
	0.88848	0.87297					AVRG		0.91197		4.13580	
101 Diphenylamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
202 N-Nitroso&Diphenylamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
102 Tetraethyl dithiopyrophosphat	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
103 Diallate 1	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
M 189 Diallate, total	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
104 Phorate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
105 1,3,5-Trinitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
106 4-Bromophenyl-phenylether	0.23603	0.20438	0.21863	0.21694	0.21884	0.22545						
	0.23047	0.23109					AVRG		0.22273		4.54138	
107 Hexachlorobenzene	0.20407	0.21129	0.20814	0.21046	0.20768	0.21521						
	0.21955	0.22254					AVRG		0.21237		2.96023	
108 Phenacetin	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	60.0000 Level 7	80.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
223 Atrazine	0.23595	0.21873	0.23300	0.21981	0.22980	0.23824	+++++	+++++	AVRG		0.22926		3.59579	
109 Diallate 2	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
110 Dimethoate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
111 Pentachlorophenol	0.15029	0.11886	0.18205	0.12756	0.13730	0.14219	0.14788	0.14642	AVRG		0.14407		13.00920	
112 Pentachloronitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
113 4-Aminobiphenyl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
114 Pronamide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
115 Phenanthrene	1.28239	1.13249	1.12808	1.08317	1.10949	1.11073						
	1.12543	1.12072					AVRG		1.13656		5.36016	
116 Anthracene	1.19708	1.14858	1.16024	1.12550	1.07999	1.14136						
	1.14178	1.11667					AVRG		1.13890		2.98552	
117 Dinoseb	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
118 Disulfoton	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
119 Carbazole	1.09657	1.00931	1.04270	1.02047	1.02233	1.00988						
	1.02107	0.99100					AVRG		1.02667		3.09940	
120 Di-n-Butylphthalate	1.37117	1.26476	1.34477	1.28868	1.31069	1.33530						
	1.31994	1.27914					AVRG		1.31431		2.72742	
121 4-Nitroquinoline 1-oxide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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C0J210496

Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 02-SEP-2010 01:40
End Cal Date : 02-SEP-2010 04:00
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\PITSVR06\d\chem\722.i\090210.b\8270D.m
Last Edit : 02-Sep-2010 05:07 722.i

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
122 Methapyrilene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
123 Fluoranthene	1.20302	1.13502	1.15025	1.11592	1.12750	1.14857						
	1.16650	1.12686					AVRG		1.14670		2.42812	
124 Benzidine	+++++	0.53675	0.59359	0.57900	0.55005	0.48763						
	0.43221	+++++					AVRG		0.52987		11.40177	
125 Pyrene	1.45003	1.23742	1.26477	1.28217	1.19908	1.21429						
	1.16010	1.16469					AVRG		1.24657		7.46136	
126 Aramite 1	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
M 191 Aramite, total	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
127 Aramite 2	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 02-SEP-2010 01:40
End Cal Date : 02-SEP-2010 04:00
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\PITSVR06\d\chem\722.i\090210.b\8270D.m
Last Edit : 02-Sep-2010 05:07 722.i

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
128 p-Dimethylamino azobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
129 p-Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
130 Famphur	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
131 Butylbenzylphthalate	0.73514	0.61467	0.59137	0.61565	0.61646	0.61477						
	0.59728	0.60370					AVRG		0.62363		7.38340	
132 3,3'-Dimethylbenzidine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
133 3,3'-Dimethoxybenzidine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
134 2-Acetylaminofluorene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 02-SEP-2010 01:40
End Cal Date : 02-SEP-2010 04:00
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\PITSVR06\d\chem\722.i\090210.b\8270D.m
Last Edit : 02-Sep-2010 05:07 722.i

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	60.0000 Level 7	80.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
135 3,3'-Dichlorobenzidine	0.42799	0.38710	0.39258	0.41290	0.40124	0.41011	0.39969	0.40783	AVRG		0.40493		3.15468	
136 Benzo(a)Anthracene	1.27726	1.11499	1.15747	1.13692	1.09996	1.09602	1.11289	1.12119	AVRG		1.13959		5.18134	
137 Chrysene	1.17724	1.08214	1.08525	1.06490	1.06964	1.06183	1.07306	1.07213	AVRG		1.08578		3.48057	
138 4,4'-Methylene bis(o-chloroan	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
139 bis(2-ethylhexyl)Phthalate	1.00198	0.84291	0.87898	0.87642	0.84999	0.89351	0.90064	0.89323	AVRG		0.89221		5.48421	
140 Di-n-octylphthalate	1.82628	1.52117	1.61099	1.57452	1.56139	1.56671	1.53153	1.50727	AVRG		1.58748		6.42488	
141 Benzo(b)fluoranthene	1.46736	1.18101	1.27439	1.37009	1.38492	1.31927	1.28995	1.35775	AVRG		1.33059		6.43188	

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Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 02-SEP-2010 01:40
End Cal Date : 02-SEP-2010 04:00
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\PITSVR06\d\chem\722.i\090210.b\8270D.m
Last Edit : 02-Sep-2010 05:07 722.i

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
142 Benzo(k)fluoranthene	1.25450	1.27047	1.29499	1.16586	1.18847	1.26053						
	1.32625	1.30594					AVRG		1.25838		4.43704	
143 7,12-dimethylbenz[a]anthracen	0.60744	0.56023	0.58302	0.59288	0.59160	0.62197						
	0.61668	0.65357					AVRG		0.60342		4.68058	
213 Dinocap 1(1)	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
214 Dinocap 2	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
215 Dinocap 4	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
M 218 Dinocap, total	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 02-SEP-2010 01:40
End Cal Date : 02-SEP-2010 04:00
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\PITSVR06\d\chem\722.i\090210.b\8270D.m
Last Edit : 02-Sep-2010 05:07 722.i

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	60.0000 Level 7	80.0000 Level 8	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	
216 Dinocap 3	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
144 Hexachlorophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
145 Hexachlorophene product	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
146 Benzo(a)pyrene	1.04420	0.93911	0.95264	0.96537	0.94999	0.99089	0.99401	1.00700	AVRG		0.98040		3.59573	
148 3-Methylcholanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
149 Indeno(1,2,3-cd)pyrene	1.25171	1.17637	1.15373	1.16573	1.20363	1.24446	1.31036	1.32691	AVRG		1.22911		5.33012	
150 Dibenz(a,h)anthracene	1.01176	0.94974	0.94136	0.96686	1.01484	1.03733	1.10784	1.10742	AVRG		1.01714		6.39658	

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Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 02-SEP-2010 01:40
End Cal Date : 02-SEP-2010 04:00
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\PITSVR06\d\chem\722.i\090210.b\8270D.m
Last Edit : 02-Sep-2010 05:07 722.i

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
151 Benzo(g,h,i)perylene	1.15577	0.95021	0.98590	0.96064	1.03285	1.05100						
	1.08333	1.08053					AVRG		1.03753		6.75011	
204 Benzenethiol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
205 1-Methylnaphthalene	0.66986	0.67980	0.67663	0.68524	0.65584	0.65457						
	0.65721	0.65844					AVRG		0.66720		1.83151	
206 Kepone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
207 6-Methylchrysene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
208 Dibenzo(a,h)acridine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
209 Dibenz(a,j)acridine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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INITIAL CALIBRATION DATA

Start Cal Date : 02-SEP-2010 01:40
End Cal Date : 02-SEP-2010 04:00
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\PITSVR06\d\chem\722.i\090210.b\8270D.m
Last Edit : 02-Sep-2010 05:07 722.i

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	60.0000 Level 7	80.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
210 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++		AVRG		0.000e+000		0.000e+000	<-
211 Parathion	+++++	+++++	+++++	+++++	+++++	+++++	+++++		AVRG		0.000e+000		0.000e+000	<-
212 Methyl parathion	+++++	+++++	+++++	+++++	+++++	+++++	+++++		AVRG		0.000e+000		0.000e+000	<-
$ 154 Nitrobenzene-d5	0.45315	0.41999	0.41252	0.40633	0.39851	0.39914	0.40588	0.39274	AVRG		0.41103		4.63239	
$ 155 2-Fluorobiphenyl	1.38833	1.27723	1.34120	1.28932	1.32855	1.34514	1.30865	1.31571	AVRG		1.32427		2.64606	
$ 156 Terphenyl-d14	0.90849	0.81333	0.85839	0.81386	0.80870	0.81599	0.79941	0.80041	AVRG		0.82732		4.54755	

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INITIAL CALIBRATION DATA

Start Cal Date : 02-SEP-2010 01:40
End Cal Date : 02-SEP-2010 04:00
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\PITSVR06\d\chem\722.i\090210.b\8270D.m
Last Edit : 02-Sep-2010 05:07 722.i

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	60.0000 Level 7	80.0000 Level 8									
$ 157 Phenol-d5	1.68972	1.59230	1.62747	1.69339	1.58365	1.60528					
	1.56272	1.54987					AVRG		1.61305		3.34845
$ 158 2-Fluorophenol	1.26043	1.18139	1.15225	1.16745	1.15365	1.17921					
	1.15027	1.11804					AVRG		1.17034		3.54800
$ 159 2,4,6-Tribromophenol	0.08267	0.08833	0.08721	0.08392	0.08645	0.08871					
	0.09201	0.09392					AVRG		0.08790		4.29620
$ 186 2-Chlorophenol-d4	1.56432	1.38448	1.45889	1.42931	1.41597	1.40778					
	1.40168	1.36728					AVRG		1.42872		4.29515
$ 187 1,2-Dichlorobenzene-d4	1.01436	0.93222	1.00771	0.99287	0.96442	0.98630					
	0.99133	0.97356					AVRG		0.98285		2.66004

Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 02-SEP-2010 01:40
End Cal Date : 02-SEP-2010 04:00
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\PITSVR06\d\chem\722.i\090210.b\8270D.m
Last Edit : 02-Sep-2010 05:07 722.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

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1140

C0J210496

Report Date : 02-Sep-2010 05:12

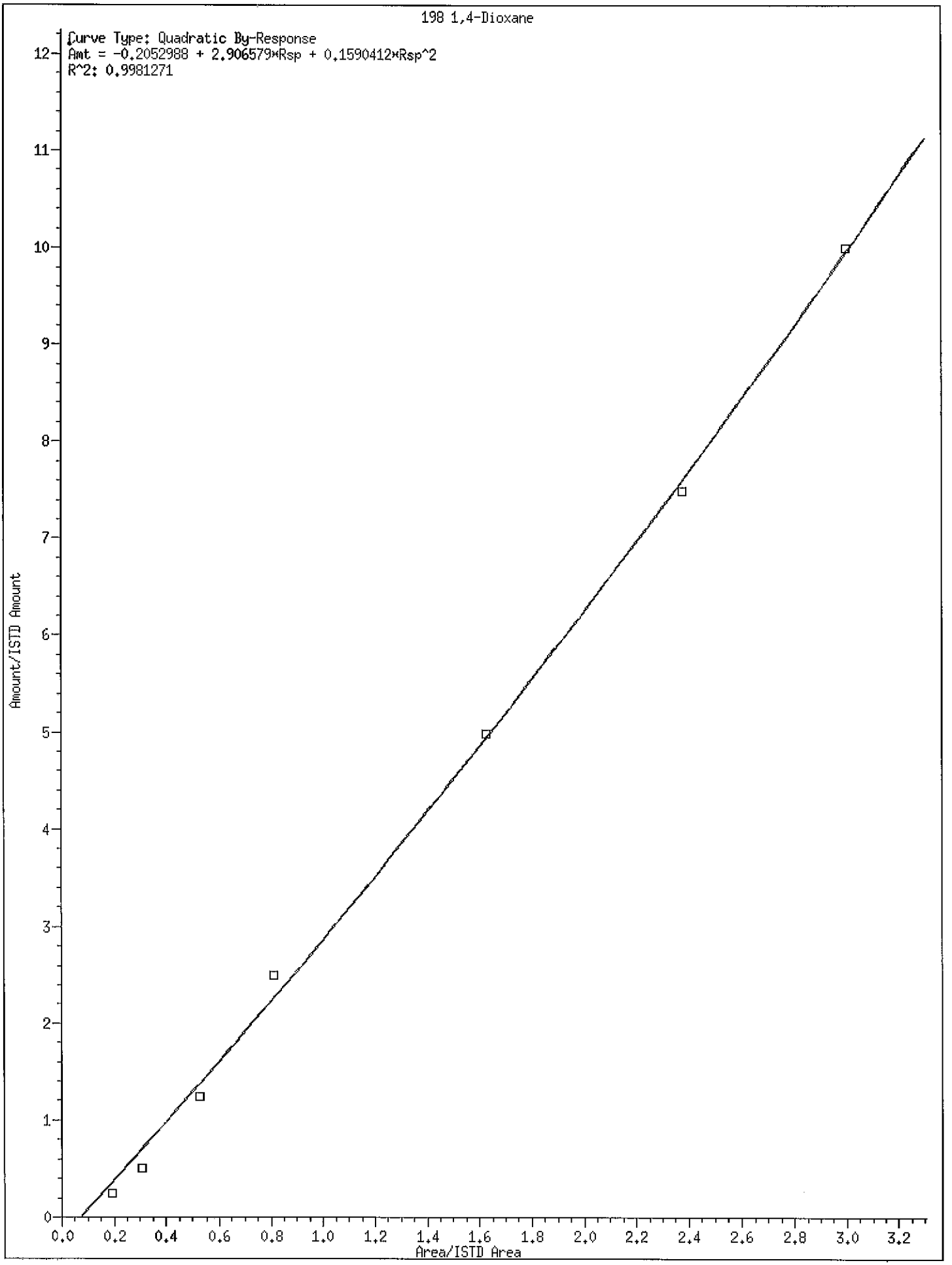
Test America Pittsburgh

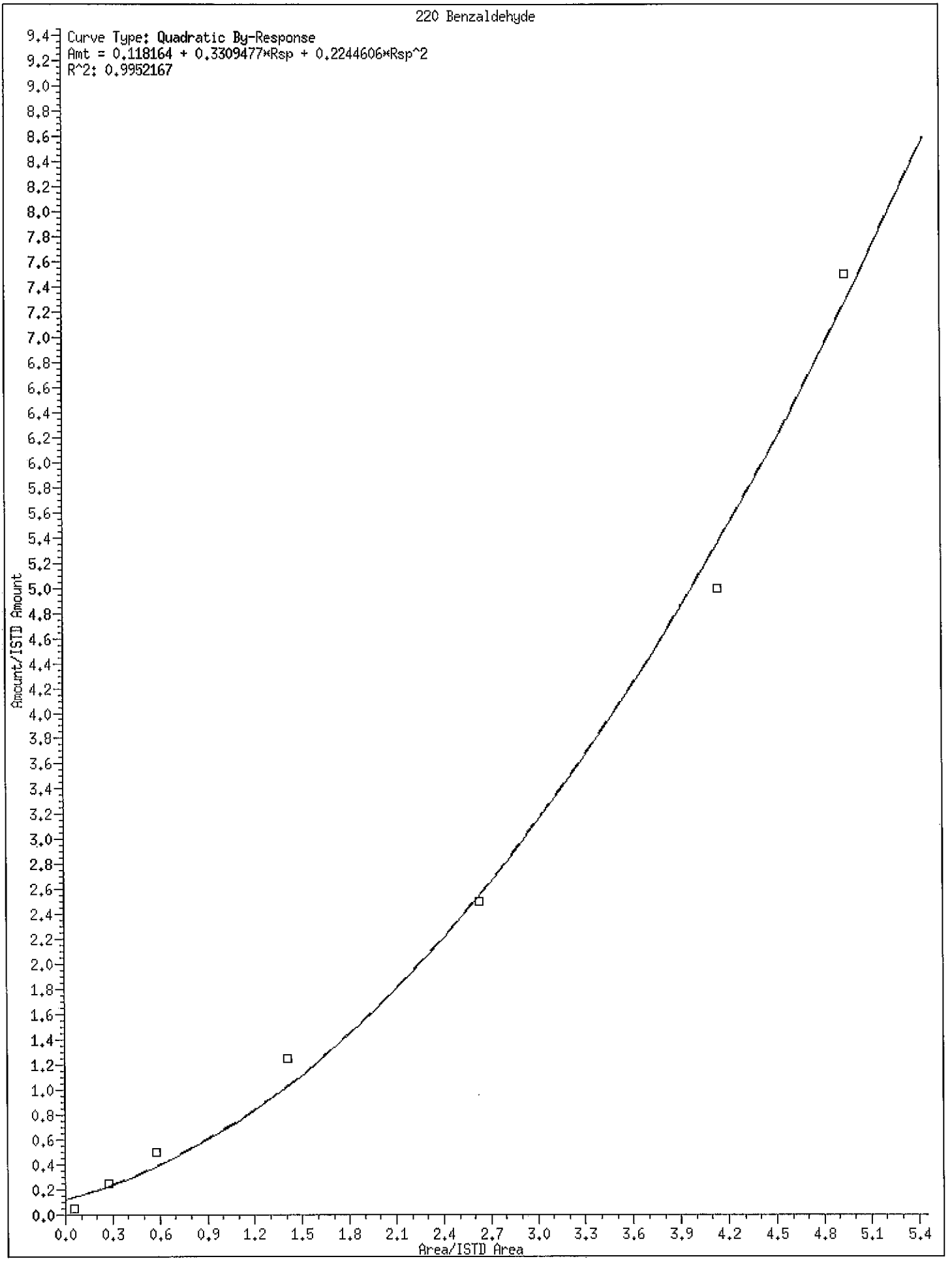
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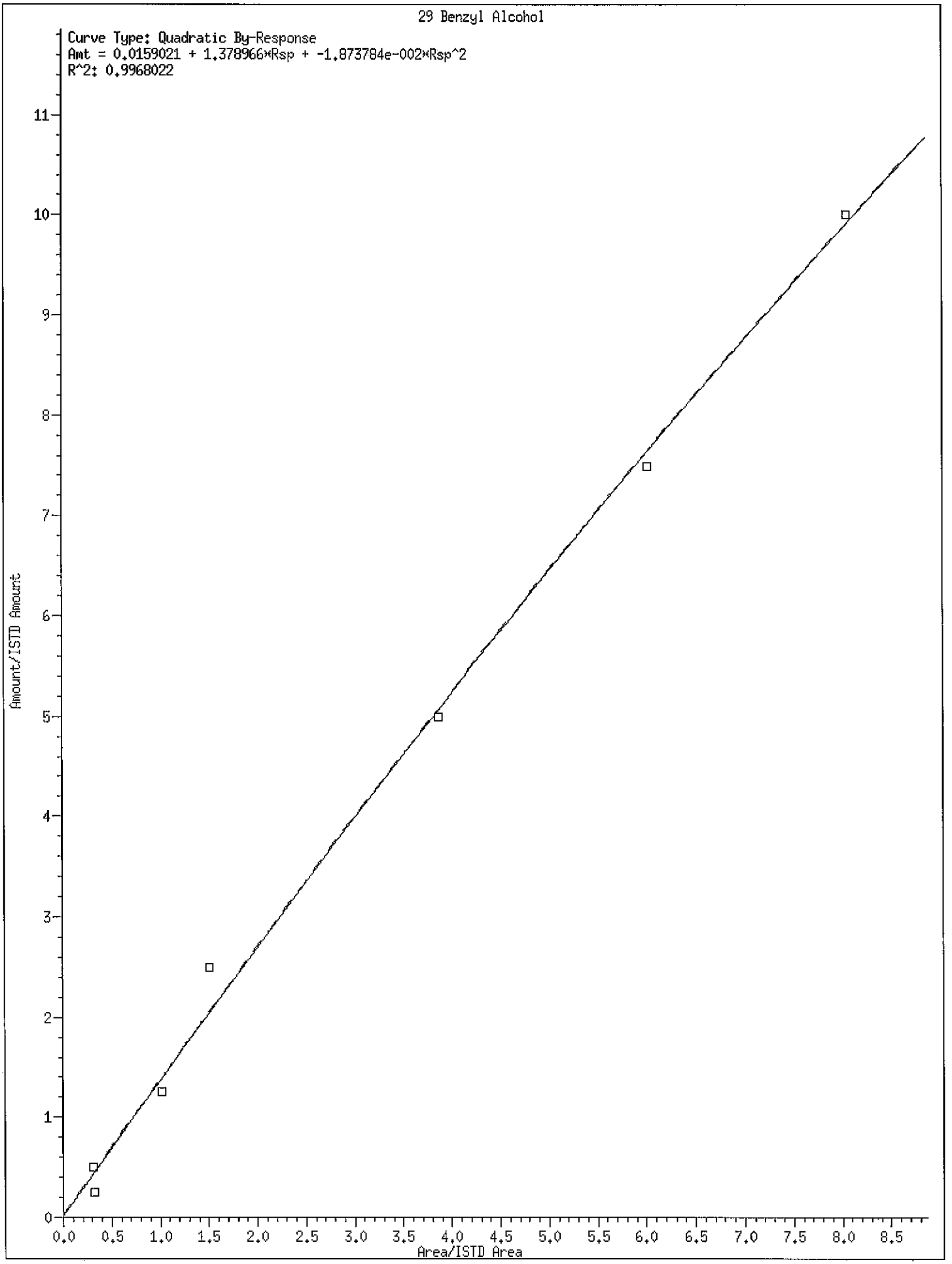
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End Cal Date : 02-SEP-2010 04:00
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\PITSVR06\d\chem\722.i\090210.b\LL.m
Last Edit : 02-Sep-2010 04:59 bungardf

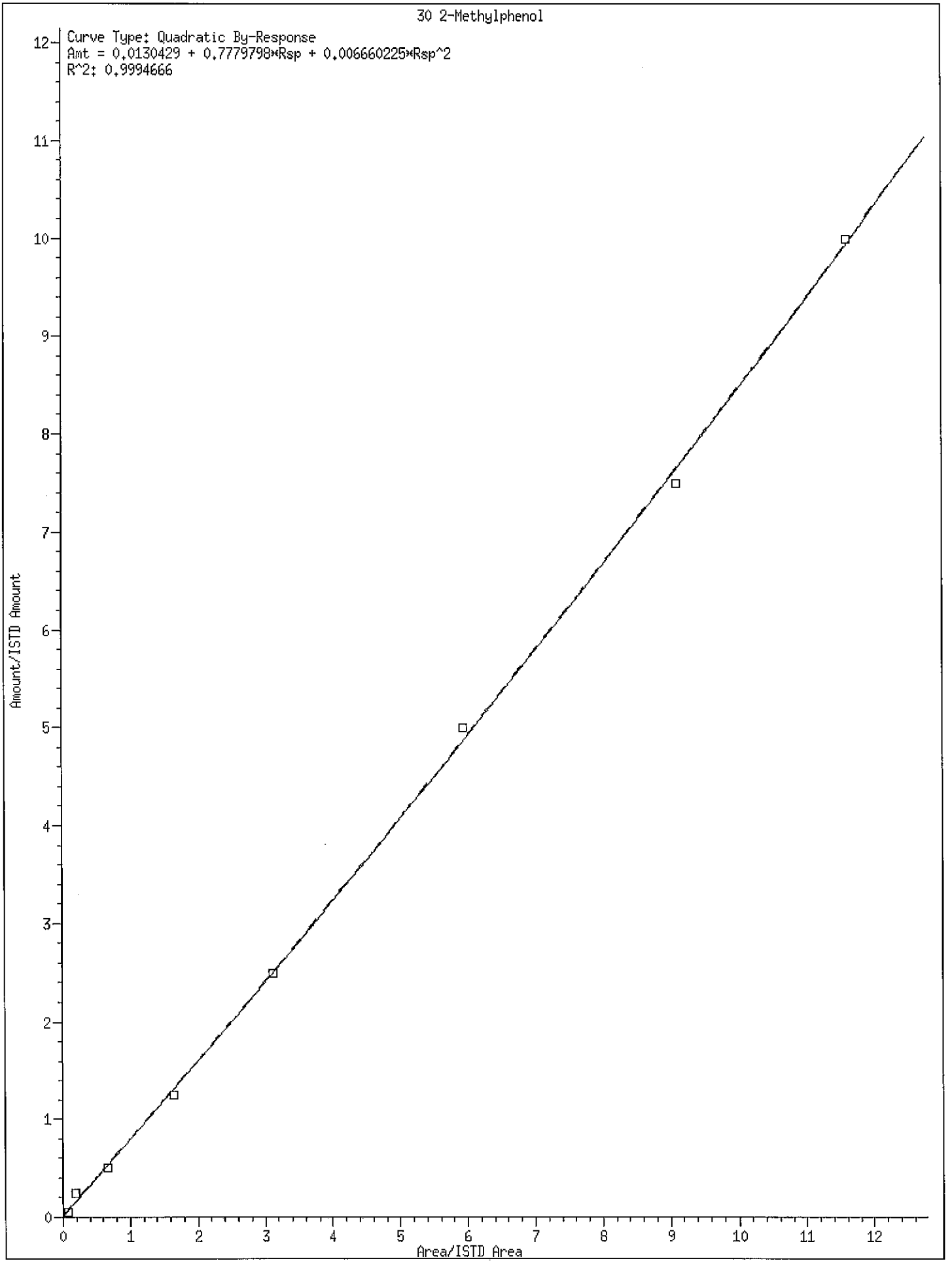
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Level 2: \\PITSVR06\d\chem\722.i\090210.b\F09020C3.D
Level 3: \\PITSVR06\d\chem\722.i\090210.b\F09020C1.D
Level 4: \\PITSVR06\d\chem\722.i\090210.b\F09020C4.D
Level 5: \\PITSVR06\d\chem\722.i\090210.b\F09020C5.D
Level 6: \\PITSVR06\d\chem\722.i\090210.b\F09020C6.D
Level 7: \\PITSVR06\d\chem\722.i\090210.b\F09020C7.D
Level 8: \\PITSVR06\d\chem\722.i\090210.b\F09020C8.D

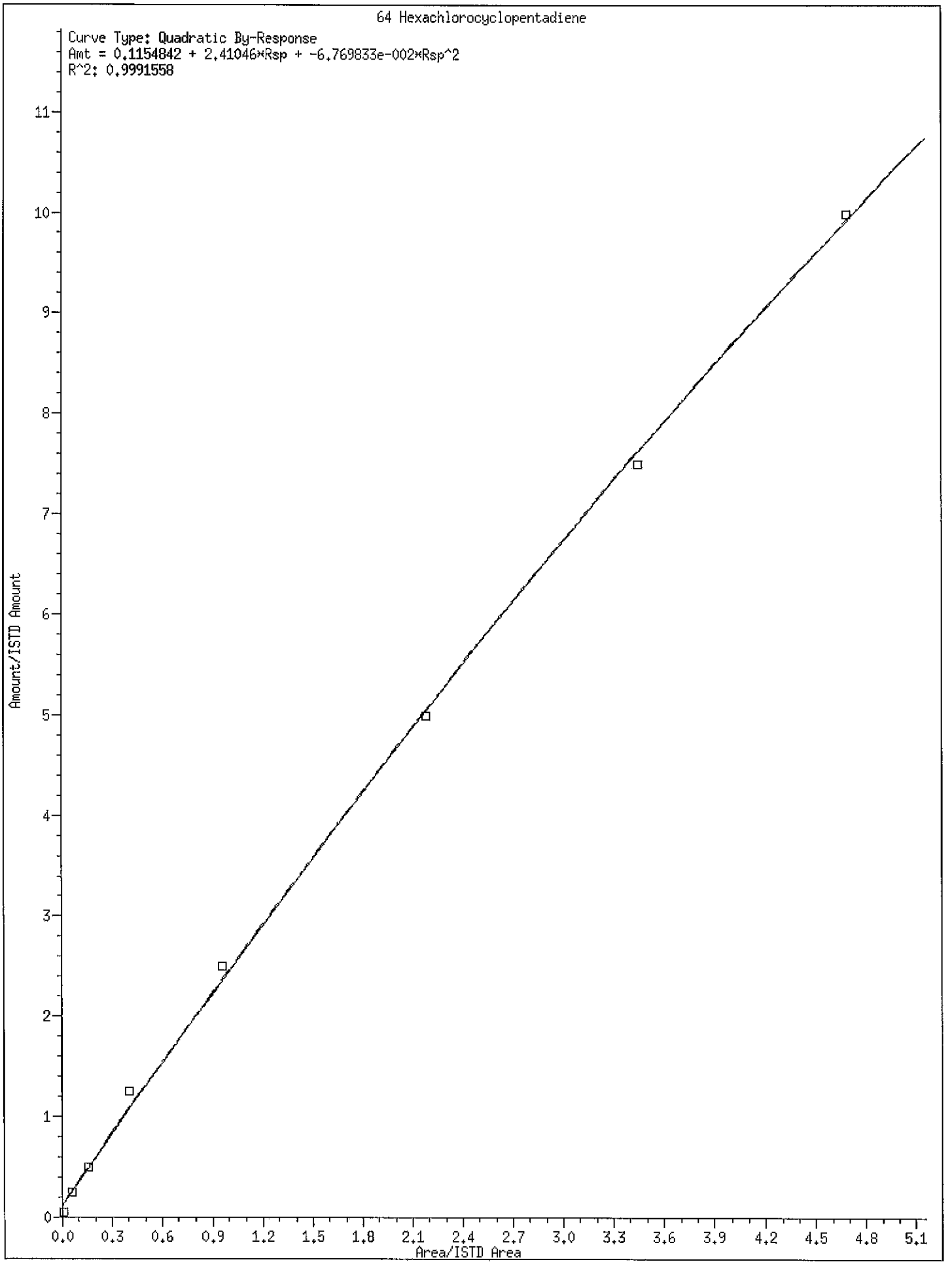
Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
227 Indene	2.54383	2.41104	2.52407	2.50094	2.41111	2.40678						
	2.36312	2.29217					AVRG		2.43163		3.52884	
225 n-Decane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
226 n-Octadecane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

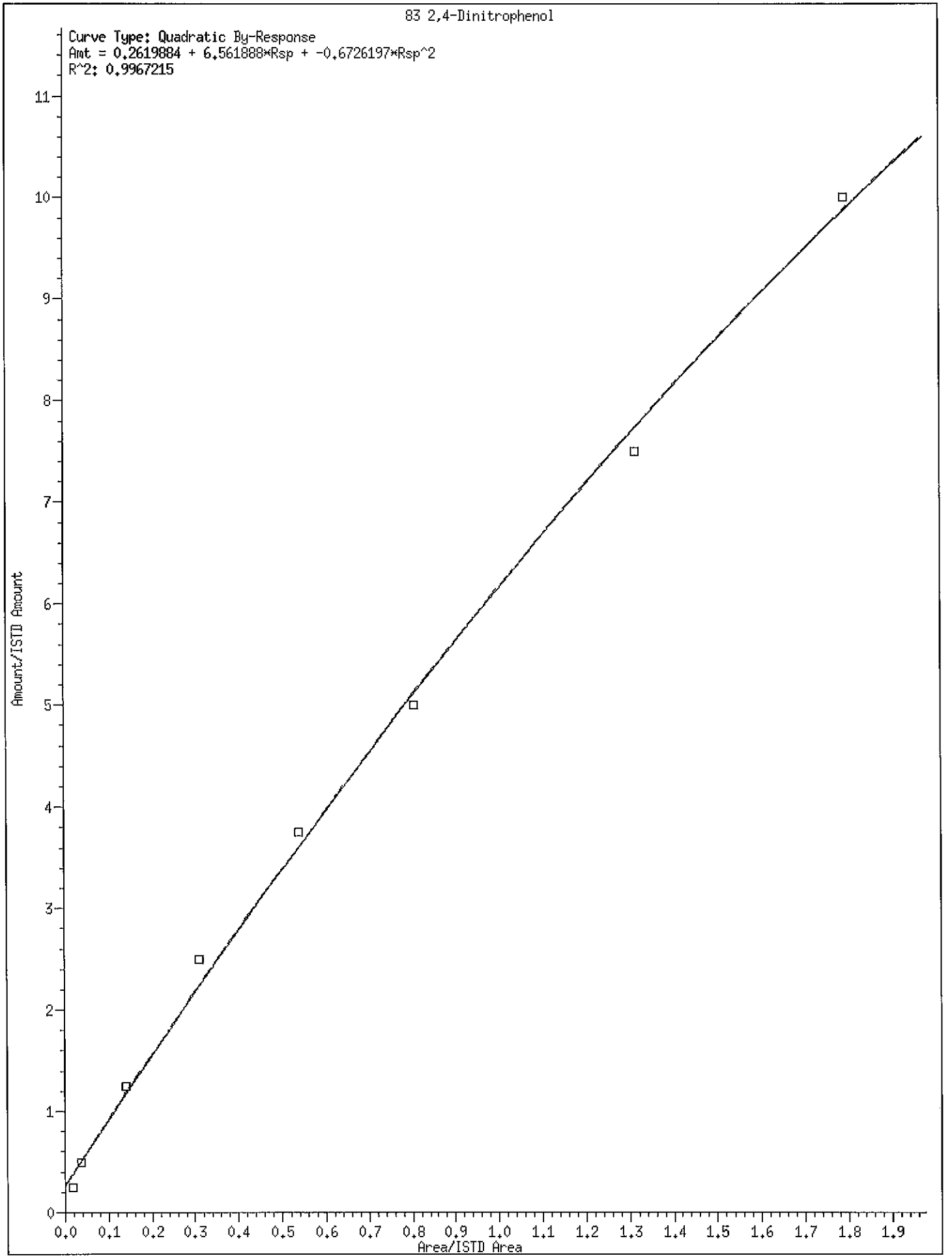

198 1,4-Dioxane
Curve Type: Quadratic By-Response
Amt = -0.2052988 + 2.906579*Rsp + 0.1590412*Rsp^2
R^2: 0.9981271
Amount/ISTD Amount
Area/ISTD Area
0
1
2
3
4
5
6
7
8
9
10
11
12
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
2.0
2.2
2.4
2.6
2.8
3.0
3.2

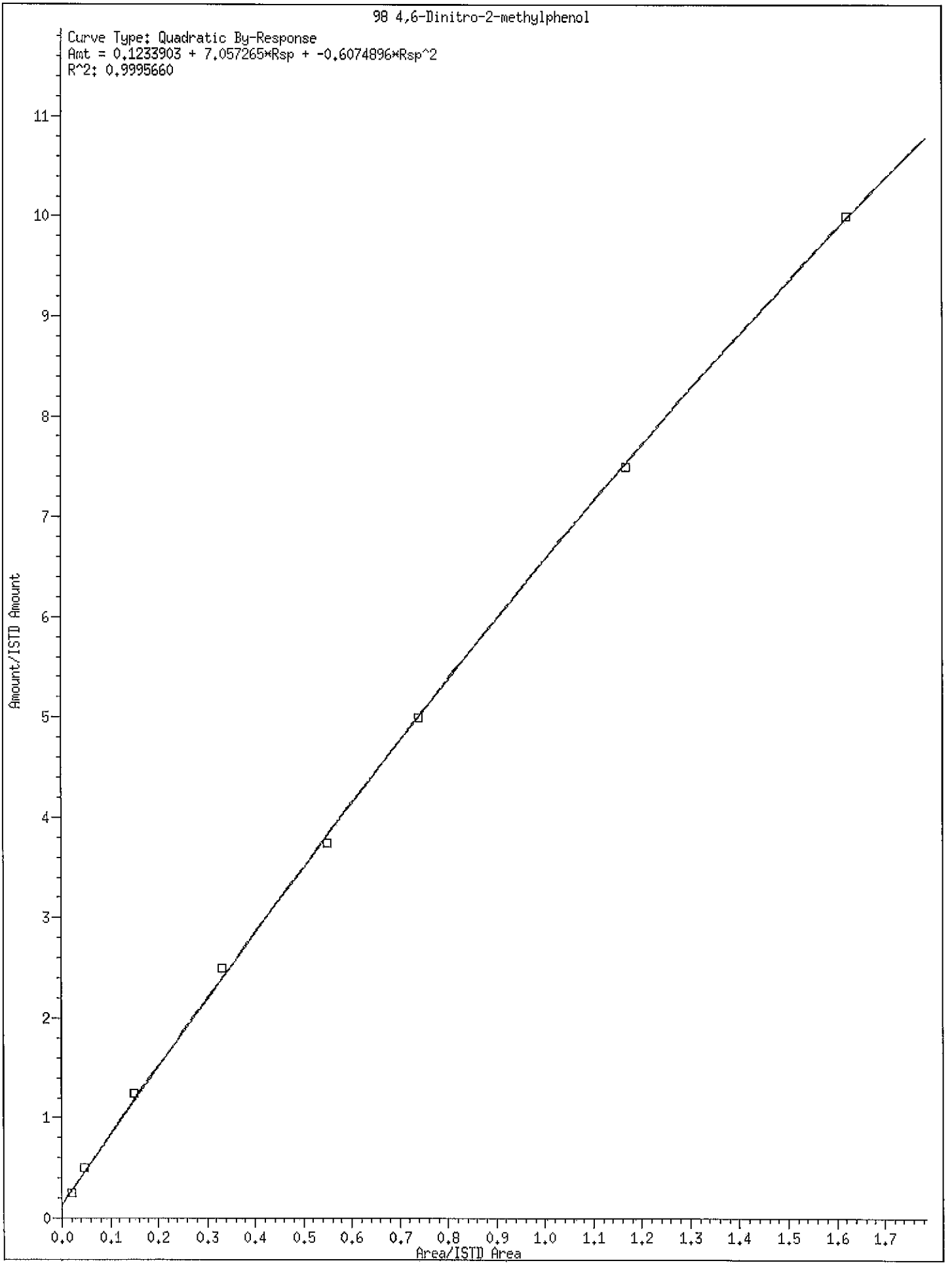

220 Benzaldehyde
Curve Type: Quadratic By-Response
Amt = 0.118164 + 0.3309477*Rsp + 0.2244606*Rsp^2
R^2: 0.9952167
Amount/ISTD Amount
Area/ISTD Area
0.0 0.3 0.6 0.9 1.2 1.5 1.8 2.1 2.4 2.7 3.0 3.3 3.6 3.9 4.2 4.5 4.8 5.1 5.4
0.0 0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0 3.2 3.4 3.6 3.8 4.0 4.2 4.4 4.6 4.8 5.0 5.2 5.4 5.6 5.8 6.0 6.2 6.4 6.6 6.8 7.0 7.2 7.4 7.6 7.8 8.0 8.2 8.4 8.6 8.8 9.0 9.2 9.4


29 Benzyl Alcohol
Curve Type: Quadratic By-Response
Amt = 0.0159021 + 1.378966*Rsp + -1.873784e-002*Rsp^2
R^2: 0.9968022
Amount/ISTD Amount
Area/ISTD Area
0
1
2
3
4
5
6
7
8
9
10
11
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5


30 2-Methylphenol
Curve Type: Quadratic By-Response
Amt = 0.0130429 + 0.7779798*Rsp + 0.006660225*Rsp^2
R^2: 0.9994666
Amount/ISTD Amount
Area/ISTD Area
0
1
2
3
4
5
6
7
8
9
10
11
12


64 Hexachlorocyclopentadiene
Curve Type: Quadratic By-Response
Amt = 0.1154842 + 2.41046*Rsp + -6.769833e-002*Rsp^2
R^2: 0.9991558
Amount/ISTD Amount
Area/ISTD Area
0
1
2
3
4
5
6
7
8
9
10
11
0.0
0.3
0.6
0.9
1.2
1.5
1.8
2.1
2.4
2.7
3.0
3.3
3.6
3.9
4.2
4.5
4.8
5.1


83 2,4-Dinitrophenol
Curve Type: Quadratic By-Response
Amt = 0.2619884 + 6.561888*Rsp + -0.6726197*Rsp^2
R^2: 0.9967215
Amount/ISTD Amount
Area/ISTD Area
0
1
2
3
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9
10
11
0.0
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0.3
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0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9


98 4,6-Dinitro-2-methylphenol
Curve Type: Quadratic By-Response
Amt = 0.1233903 + 7.057265*Rsp + -0.6074896*Rsp^2
R^2: 0.9995660
Amount/ISTD Amount
Area/ISTD Area
0
1
2
3
4
5
6
7
8
9
10
11
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7

Data File: \\PITSVR06\d\chem\722.i\090210.b\F09020C2.D

Date : 02-SEP-2010 02:02

Client ID: SSTD.4

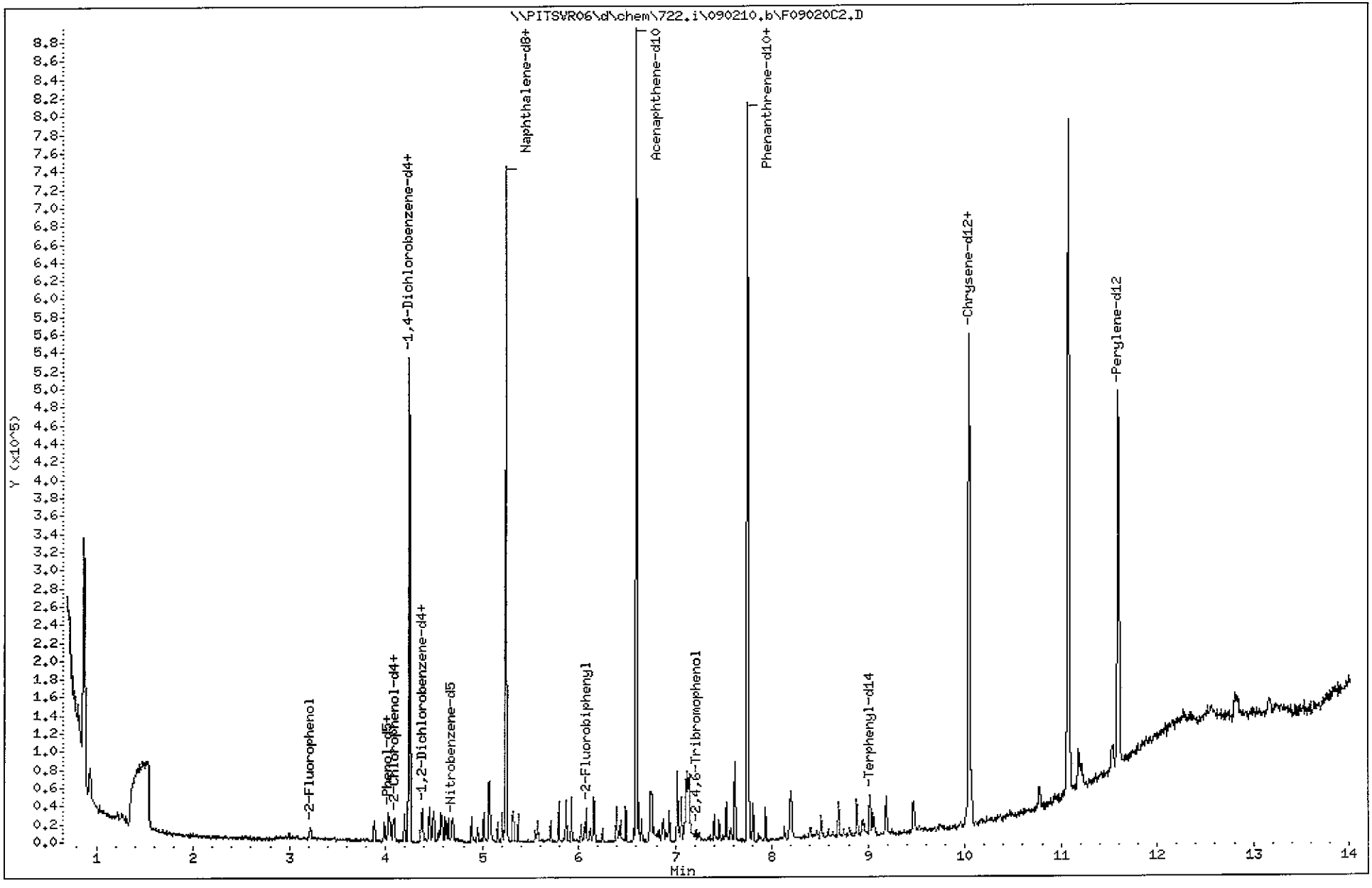
Sample Info: SSTD.4 (.2ug/ml) BNA0660-10

Column phase: Hp5-MS

Instrument: 722.i

Operator: 007062

Column diameter: 0.25



Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\d\chem\722.i\090210.b\F09020C2.D
Lab Smp Id: sstd.4 Client Smp ID: SSTD.4
Inj Date : 02-SEP-2010 02:02
Operator : 007062 Inst ID: 722.i
Smp Info : SSTD.4 (.2ug/ml) BNA0660-10
Misc Info : sstd.4,090210.b,ll.m,2-root.sub,1,1
Comment :
Method : \\PITSVR06\d\chem\722.i\090210.b\LL.m
Meth Date : 02-Sep-2010 03:40 722.i Quant Type: ISTD
Cal Date : 18-AUG-2010 02:51 Cal File: F08180A9.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-root.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.246	4.246	(1.000)	75752	8.00000	
* 2	Naphthalene-d8	136	5.245	5.245	(1.000)	286836	8.00000	
* 3	Acenaphthene-d10	164	6.596	6.596	(1.000)	158968	8.00000	
* 4	Phenanthrene-d10	188	7.745	7.745	(1.000)	242173	8.00000	
* 5	Chrysene-d12	240	10.042	10.042	(1.000)	208368	8.00000	
* 6	Perylene-d12	264	11.591	11.591	(1.000)	186784	8.00000	
198	1,4-Dioxane	88	0.869	0.869	(0.205)	11728	0.40000	2.6815(M)
220	Benzaldehyde	77	3.882	3.882	(0.914)	4430	0.40000	0.46024
10	N-Nitrosodimethylamine	74	1.217	1.217	(0.287)	2819	0.40000	0.34474(M)
9	Pyridine	79	1.265	1.265	(0.298)	6172	0.40000	0.40934(M)
16	Methyl methanesulfonate	80	2.996	2.996	(0.706)	2671	0.40000	0.39827(M)
21	Aniline	93	3.989	3.989	(0.940)	7930	0.40000	0.41184
22	Phenol	94	4.037	4.037	(0.951)	7669	0.40000	0.44609
23	bis(2-Chloroethyl)ether	93	4.053	4.053	(0.955)	5760	0.40000	0.45754
24	2-Chlorophenol	128	4.091	4.091	(0.964)	5836	0.40000	0.42650
26	1,3-Dichlorobenzene	146	4.198	4.198	(0.989)	6821	0.40000	0.43013
27	1,4-Dichlorobenzene	146	4.262	4.262	(1.004)	6384	0.40000	0.40385
28	1,2-Dichlorobenzene	146	4.379	4.379	(1.031)	6505	0.40000	0.43204
227	Indene	116	4.449	4.449	(1.048)	9635	0.40000	0.41506(A)
29	Benzyl Alcohol	108	Compound Not Detected.					
30	2-Methylphenol	108	4.497	4.497	(1.059)	5200	0.40000	0.45640
31	2,2'-oxybis(1-Chloropropane)	45	4.486	4.486	(1.057)	5036	0.40000	0.42872
37	Acetophenone	105	4.572	4.572	(1.077)	7445	0.40000	0.41287
32	N-Nitroso-di-n-propylamine	70	4.582	4.582	(1.079)	3969	0.40000	0.42070(M)
192	4-Methylphenol	108	4.614	4.614	(1.087)	5032	0.40000	0.42586
34	Hexachloroethane	117	4.646	4.646	(1.094)	2074	0.40000	0.35371
35	Nitrobenzene	77	4.700	4.700	(0.896)	6672	0.40000	0.58854(M)
36	N-Nitrosopyrrolidine	100	4.545	4.545	(1.070)	2291	0.40000	0.37718
41	Isophorone	82	4.887	4.887	(0.932)	10609	0.40000	0.42771(M)
42	2-Nitrophenol	139	4.951	4.951	(0.944)	2465	0.40000	0.33934(M)
43	2,4-Dimethylphenol	107	5.015	5.015	(0.956)	6258	0.40000	0.45016
44	bis(2-Chloroethoxy)methane	93	5.068	5.068	(0.966)	6079	0.40000	0.42240
48	2,4-Dichlorophenol	162	5.154	5.154	(0.983)	4285	0.40000	0.40012
49	Benzoic Acid	122	5.074	5.074	(0.967)	9639	2.00000	1.7582

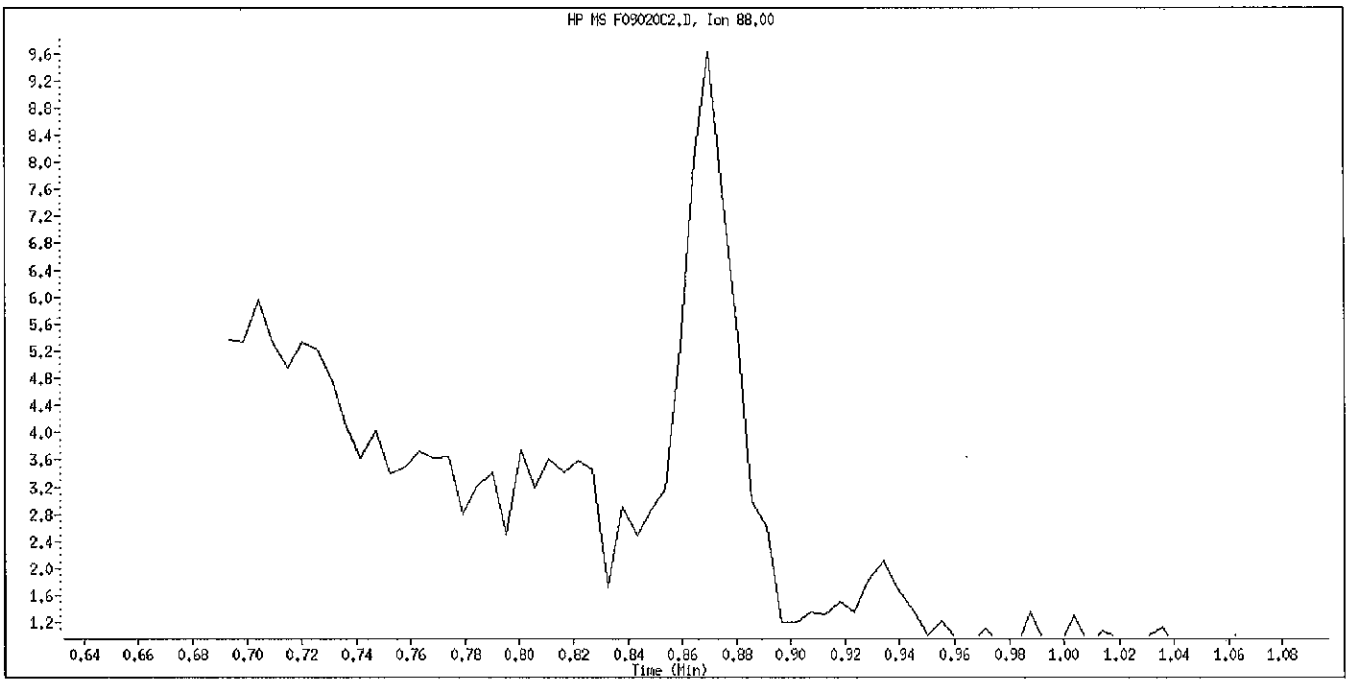
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
50	1,2,4-Trichlorobenzene	180	5.202	5.202	(0.992)	5066	0.40000	0.41661
51	Naphthalene	128	5.261	5.261	(1.003)	16836	0.40000	0.43796
52	4-Chloroaniline	127	5.309	5.309	(1.012)	6211	0.40000	0.39425
54	2,6-Dichlorophenol	162	5.319	5.319	(1.014)	4374	0.40000	0.41264
56	Hexachlorobutadiene	225	5.368	5.368	(1.023)	3038	0.40000	0.42109
221	Caprolactam	113	5.549	5.549	(1.058)	1129	0.40000	0.31078
59	4-Chloro-3-Methylphenol	107	5.709	5.709	(1.089)	4456	0.40000	0.40246
62	2-Methylnaphthalene	142	5.795	5.795	(1.105)	10568	0.40000	0.42044
205	1-Methylnaphthalene	142	5.870	5.870	(1.119)	9607	0.40000	0.40084
64	Hexachlorocyclopentadiene	237	5.928	5.928	(0.899)	1683	0.40000	0.25076
65	1,2,4,5-Tetrachlorobenzene	216	5.928	5.928	(0.899)	4668	0.40000	0.41074
66	2,4,6-Trichlorophenol	196	6.025	6.025	(0.913)	3146	0.40000	0.42196(M)
67	2,4,5-Trichlorophenol	196	6.062	6.062	(0.919)	2947	0.40000	0.37596(M)
222	1,1'-Biphenyl	154	6.158	6.158	(0.934)	12386	0.40000	0.40916
70	2-Chloronaphthalene	162	6.169	6.169	(0.935)	9421	0.40000	0.40532
73	2-Nitroaniline	65	6.249	6.249	(0.947)	2434	0.40000	0.35828
76	Dimethylphthalate	163	6.393	6.393	(0.969)	11379	0.40000	0.44329(M)
78	2,6-Dinitrotoluene	165	6.436	6.436	(0.976)	2368	0.40000	0.40201
79	Acenaphthylene	152	6.484	6.484	(0.983)	15241	0.40000	0.41473
81	3-Nitroaniline	138	6.570	6.570	(0.996)	2176	0.40000	0.35676
82	Acenaphthene	153	6.623	6.623	(1.004)	9599	0.40000	0.42024
83	2,4-Dinitrophenol	184	6.650	6.650	(1.008)	2925	2.00000	1.0253
85	4-Nitrophenol	109	6.735	6.735	(1.021)	6950	2.00000	1.7185
86	Dibenzofuran	168	6.757	6.757	(1.024)	13704	0.40000	0.42632
87	2,4-Dinitrotoluene	165	6.746	6.746	(1.023)	2967	0.40000	0.38472
91	2,3,5,6-Tetrachlorophenol	232	6.831	6.831	(1.036)	2364	0.40000	0.38926
88	2,3,4,6-Tetrachlorophenol	232	6.863	6.863	(1.040)	2882	0.40000	0.45335
92	2-Naphthylamine	143	6.879	6.879	(1.043)	8942	0.40000	0.42675
93	Diethylphthalate	149	6.938	6.938	(1.052)	11645	0.40000	0.46118
94	Fluorene	166	7.018	7.018	(1.064)	11188	0.40000	0.42652
95	4-Chlorophenyl-phenylether	204	7.024	7.024	(1.065)	5255	0.40000	0.41322
96	4-Nitroaniline	138	6.570	6.570	(0.996)	2176	0.40000	0.35329
98	4,6-Dinitro-2-methylphenol	198	7.061	7.061	(0.912)	5114	2.00000	1.3441
99	N-Nitrosodiphenylamine	169	7.114	7.114	(0.919)	7434	0.40000	0.43195
100	1,2-Diphenylhydrazine	77	7.141	7.141	(0.922)	11906	0.40000	0.42865
106	4-Bromophenyl-phenylether	248	7.398	7.398	(0.955)	2858	0.40000	0.42618
107	Hexachlorobenzene	284	7.451	7.451	(0.962)	2471	0.40000	0.38701(M)
223	Atrazine	200	7.526	7.526	(0.972)	2857	0.40000	0.41167(M)
111	Pentachlorophenol	266	7.611	7.611	(0.983)	9099	2.00000	2.0912
115	Phenanthrene	178	7.761	7.761	(1.002)	15528	0.40000	0.45042
116	Anthracene	178	7.804	7.804	(1.008)	14495	0.40000	0.41926
119	Carbazole	167	7.932	7.932	(1.024)	13278	0.40000	0.42512
120	Di-n-Butylphthalate	149	8.199	8.199	(1.059)	16603	0.40000	0.41572
123	Fluoranthene	202	8.696	8.696	(1.123)	14567	0.40000	0.41861
124	Benzidine	184	8.808	8.808	(0.877)	5276	0.40000	0.38472(M)
125	Pyrene	202	8.883	8.883	(0.885)	15107	0.40000	0.46096
131	Butylbenzylphthalate	149	9.476	9.476	(0.944)	7659	0.40000	0.46938
135	3,3'-Dichlorobenzidine	252	10.010	10.010	(0.997)	4459	0.40000	0.42321(M)
136	Benzo(a)Anthracene	228	10.031	10.031	(0.999)	13307	0.40000	0.44729
137	Chrysene	228	10.069	10.069	(1.003)	12265	0.40000	0.43292
139	bis(2-ethylhexyl)Phthalate	149	10.069	10.069	(1.003)	10439	0.40000	0.44928(M)
140	Di-n-octylphthalate	149	10.768	10.768	(0.929)	17056	0.40000	0.45684(M)
141	Benzo(b)fluoranthene	252	11.185	11.185	(0.965)	13704	0.40000	0.44240
142	Benzo(k)fluoranthene	252	11.212	11.212	(0.967)	11716	0.40000	0.40093

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
143 7,12-dimethylbenz[a]anthracen	256	11.174	11.174	(0.964)	5673	0.40000	0.40750
146 Benzo(a)pyrene	252	11.532	11.532	(0.995)	9752	0.40000	0.42769
149 Indeno(1,2,3-cd)pyrene	276	12.809	12.809	(1.105)	11690	0.40000	0.41204
150 Dibenz(a,h)anthracene	278	12.841	12.841	(1.108)	9449	0.40000	0.40299
151 Benzo(g,h,i)perylene	276	13.156	13.156	(1.135)	10794	0.40000	0.44824(M)
$ 154 Nitrobenzene-d5	82	4.684	4.684	(0.893)	6499	0.40000	0.43820
$ 155 2-Fluorobiphenyl	172	6.083	6.083	(0.922)	11035	0.40000	0.41896
$ 156 Terphenyl-d14	244	9.022	9.022	(0.898)	9465	0.40000	0.43721(M)
$ 157 Phenol-d5	99	4.027	4.027	(0.948)	6400	0.40000	0.41668
$ 158 2-Fluorophenol	112	3.220	3.220	(0.758)	4774	0.40000	0.42806
$ 159 2,4,6-Tribromophenol	330	7.211	7.211	(0.931)	1001	0.40000	0.37989(M)
$ 186 2-Chlorophenol-d4	132	4.080	4.080	(0.961)	5925	0.40000	0.43529
$ 187 1,2-Dichlorobenzene-d4	152	4.369	4.369	(1.029)	3842	0.40000	0.41227

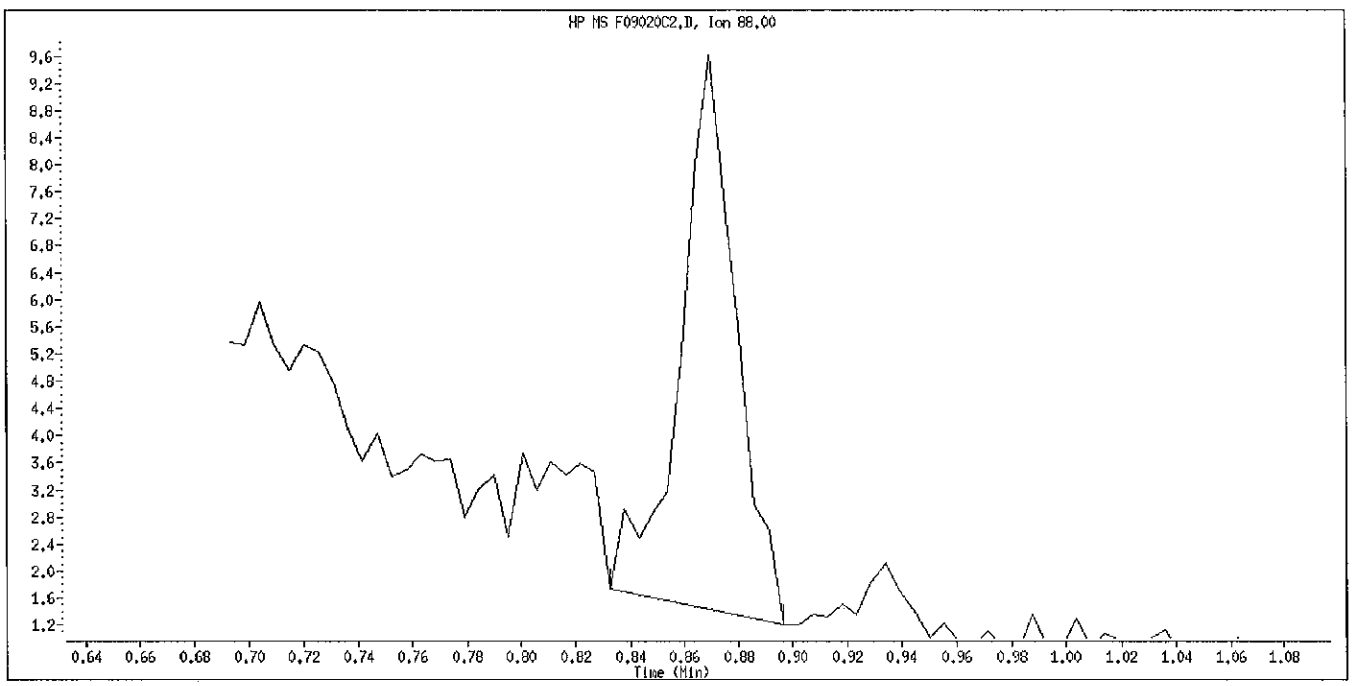
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

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Inj. Date and Time: 02-SEP-2010 02:02
Instrument ID: 722.i
Client ID: SSTD.4
Compound Name: 1,4-Dioxane
CAS #: 123-91-1



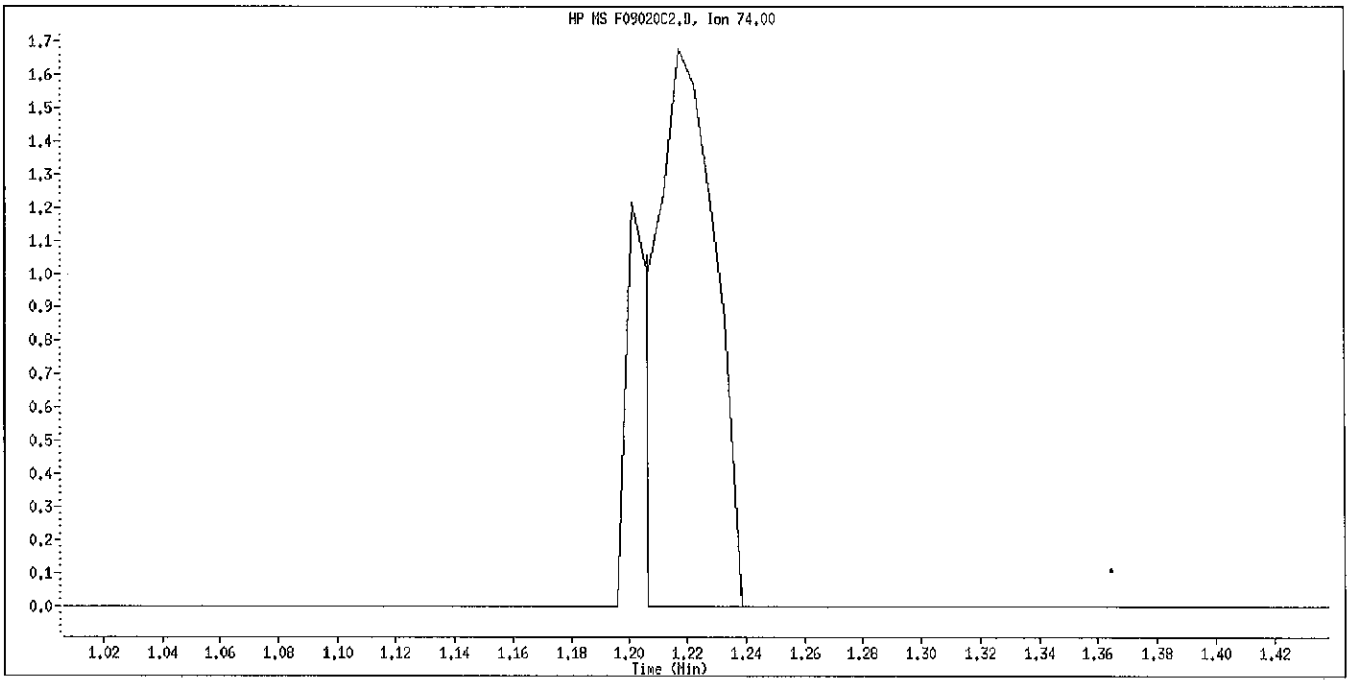
Original Integration



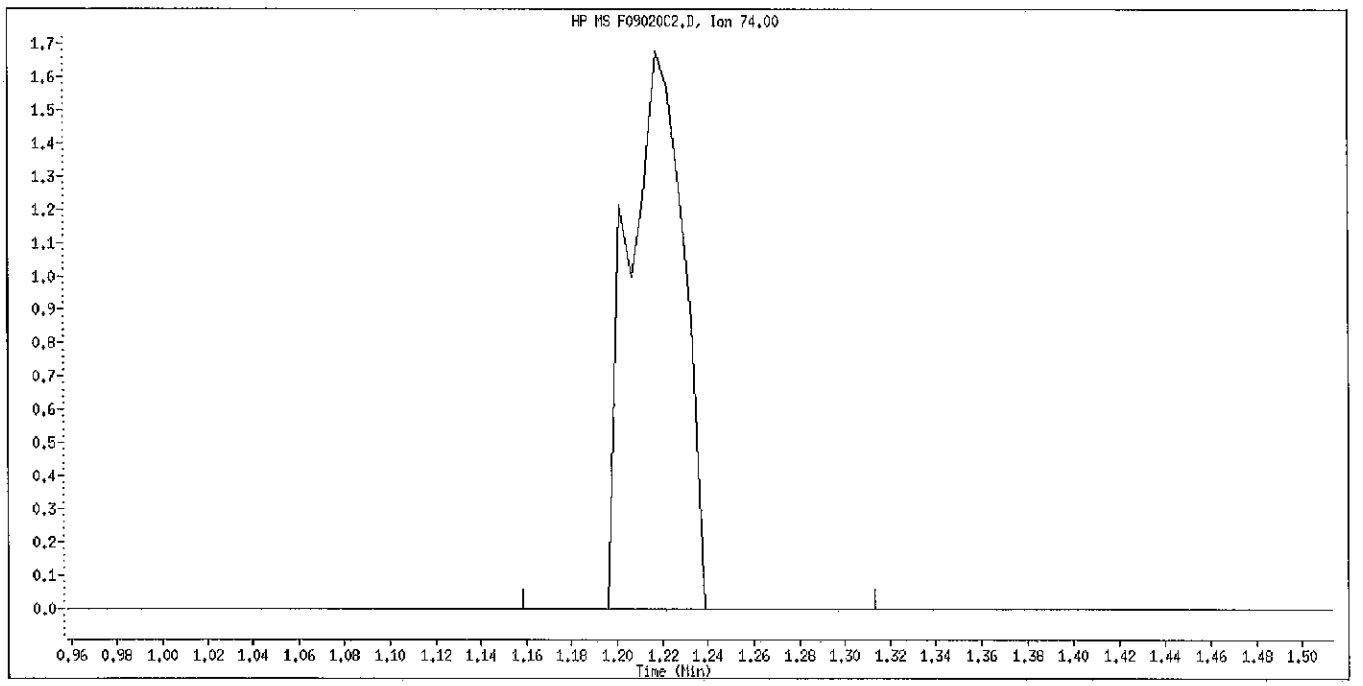
Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

Data File Name: F09020C2.D
Inj. Date and Time: 02-SEP-2010 02:02
Instrument ID: 722.i
Client ID: SSTD.4
Compound Name: N-Nitrosodimethylamine
CAS #: 62-75-9



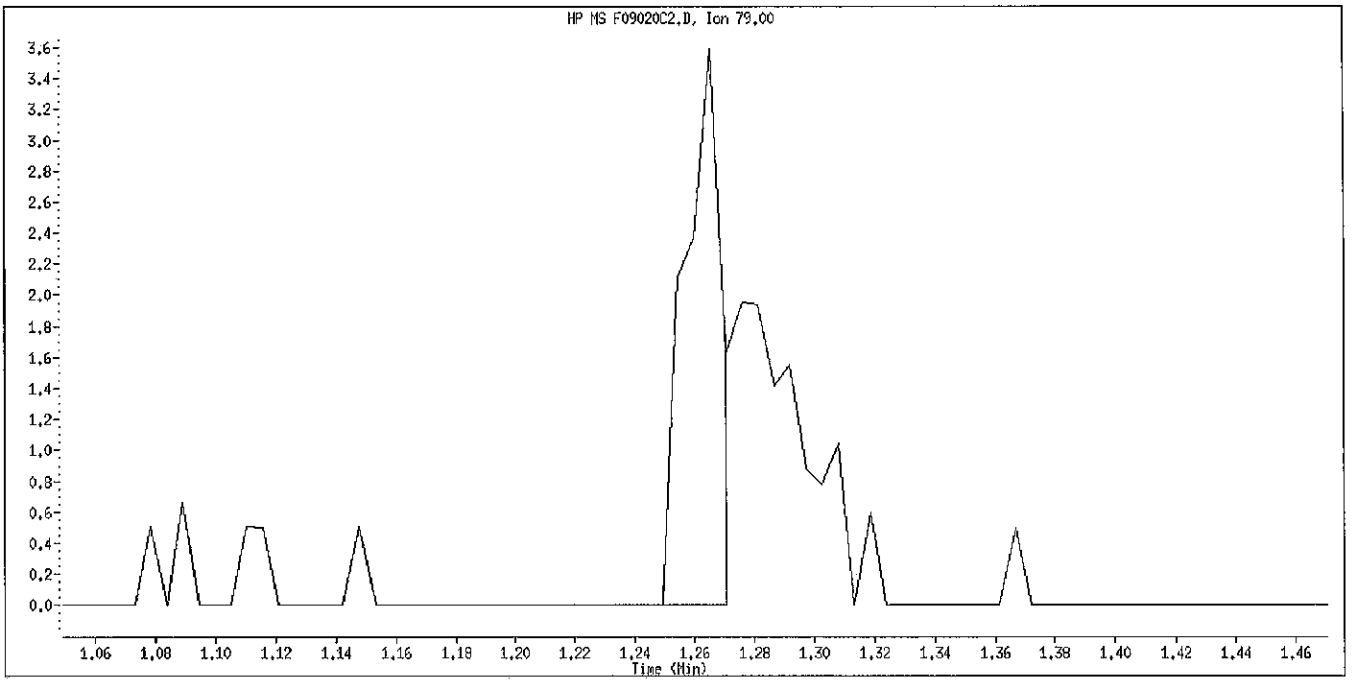
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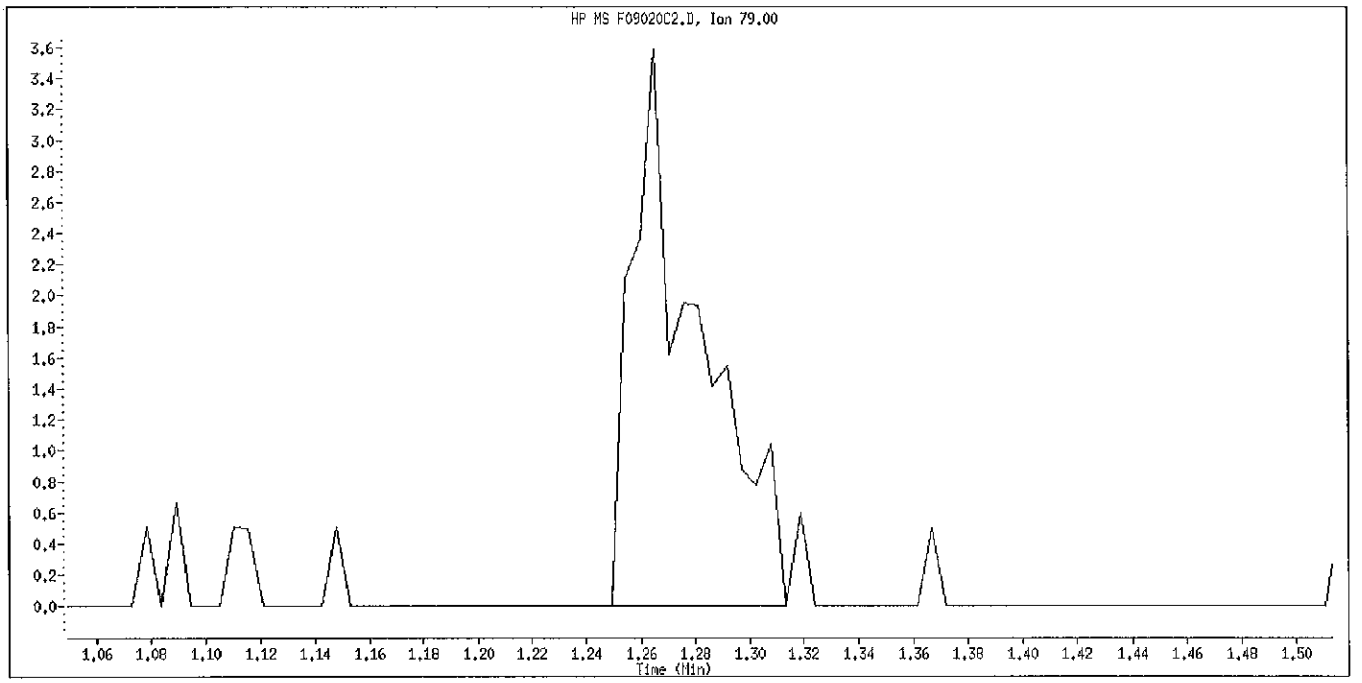
Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

Data File Name: F09020C2.D
Inj. Date and Time: 02-SEP-2010 02:02
Instrument ID: 722.i
Client ID: SSTD.4
Compound Name: Pyridine
CAS #: 110-86-1



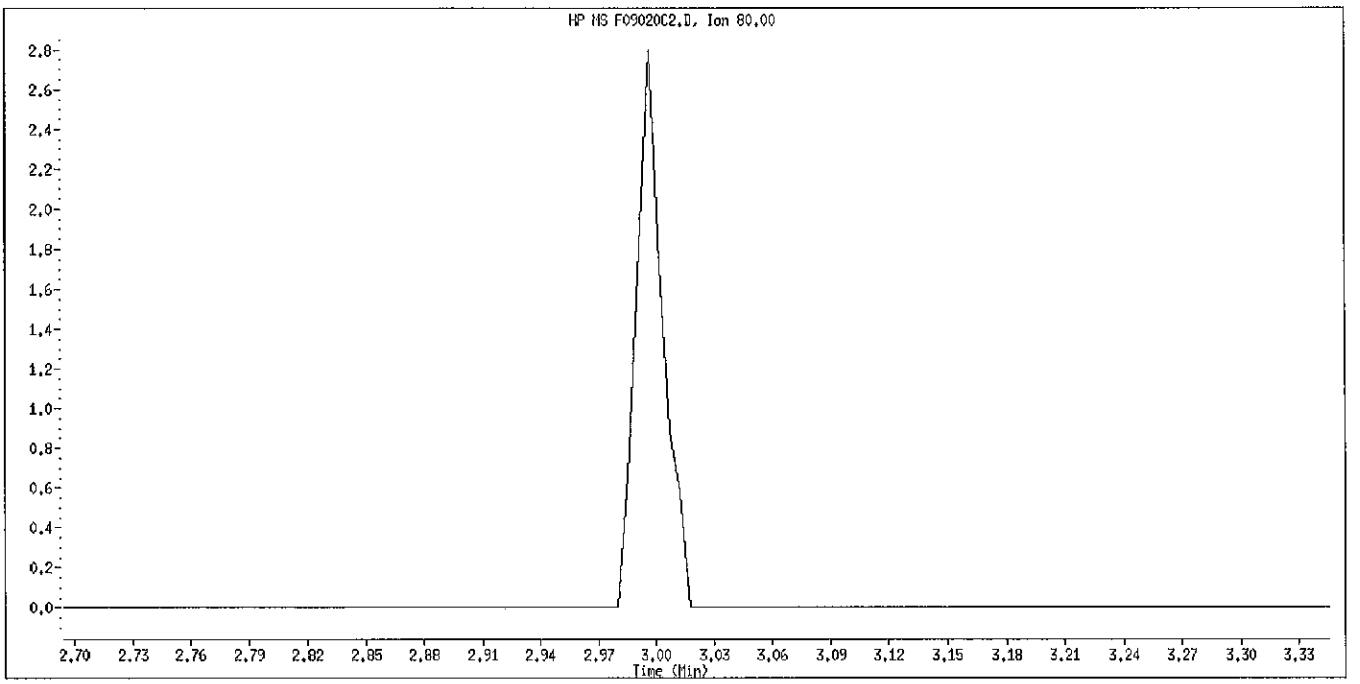
Original Integration



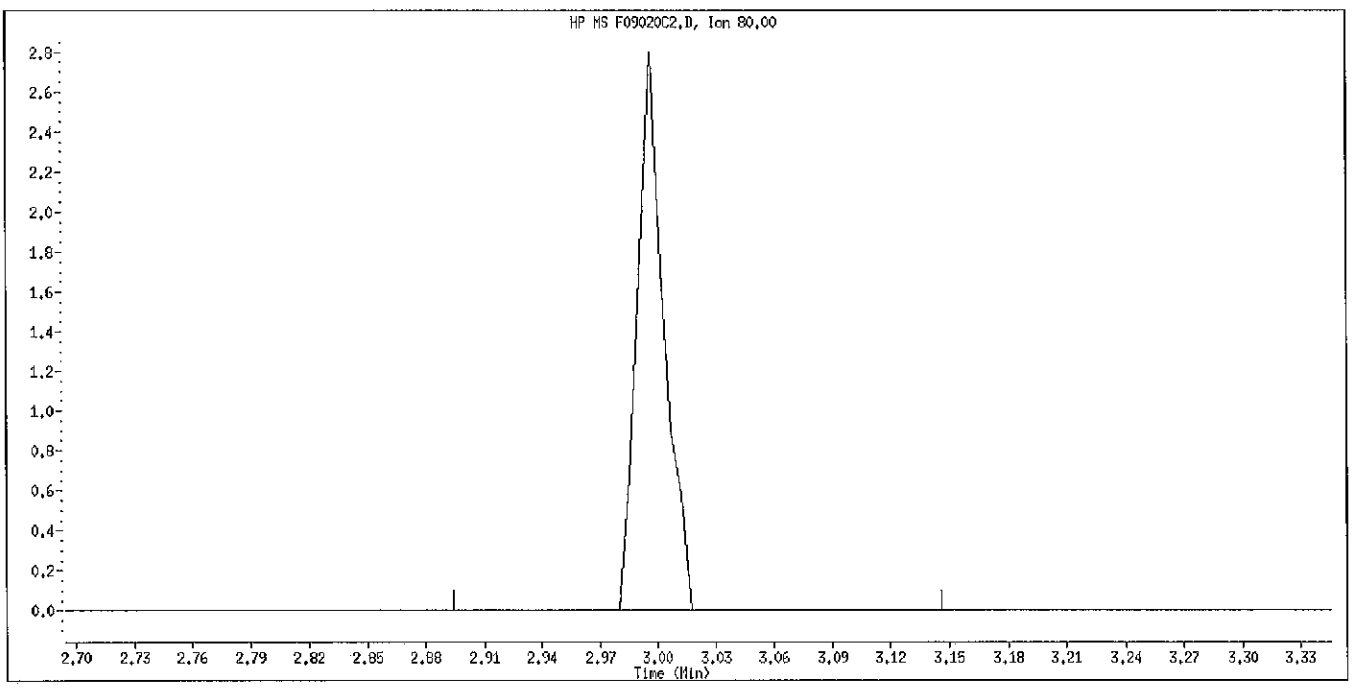
Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

Data File Name: F09020C2.D
Inj. Date and Time: 02-SEP-2010 02:02
Instrument ID: 722.i
Client ID: SSTD.4
Compound Name: Methyl methanesulfonate
CAS #: 66-27-3



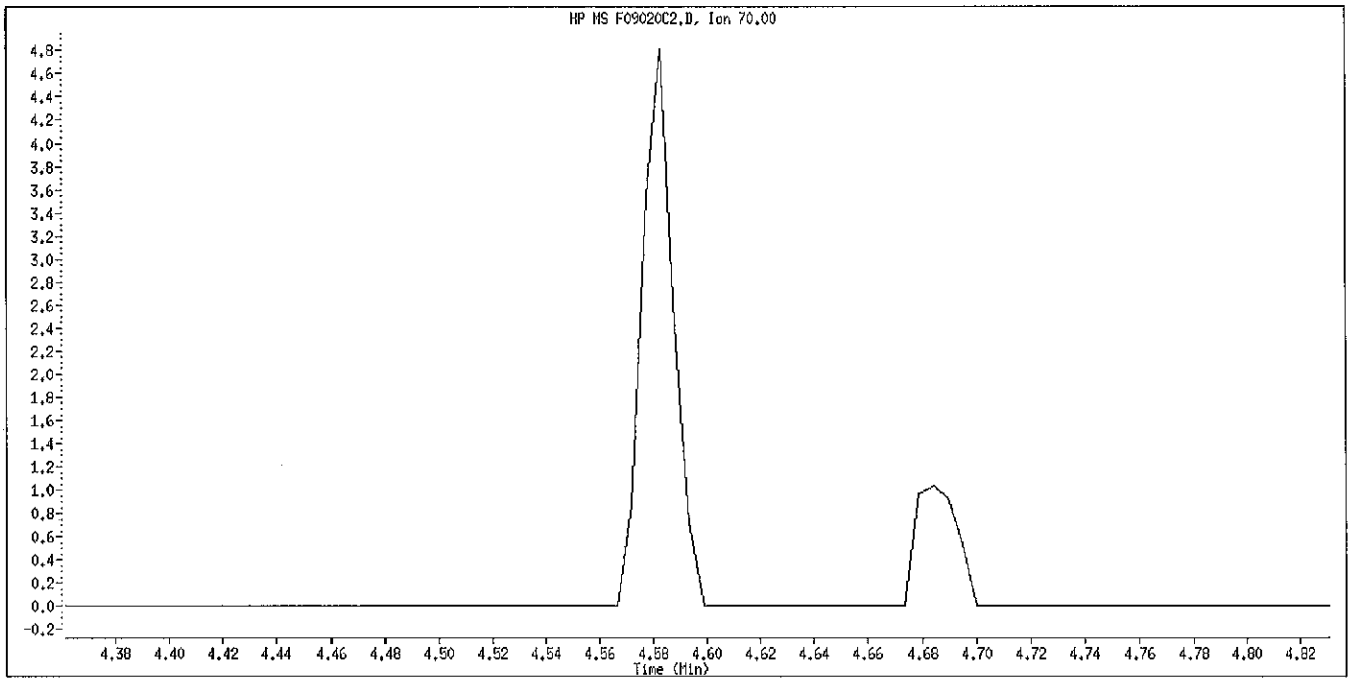
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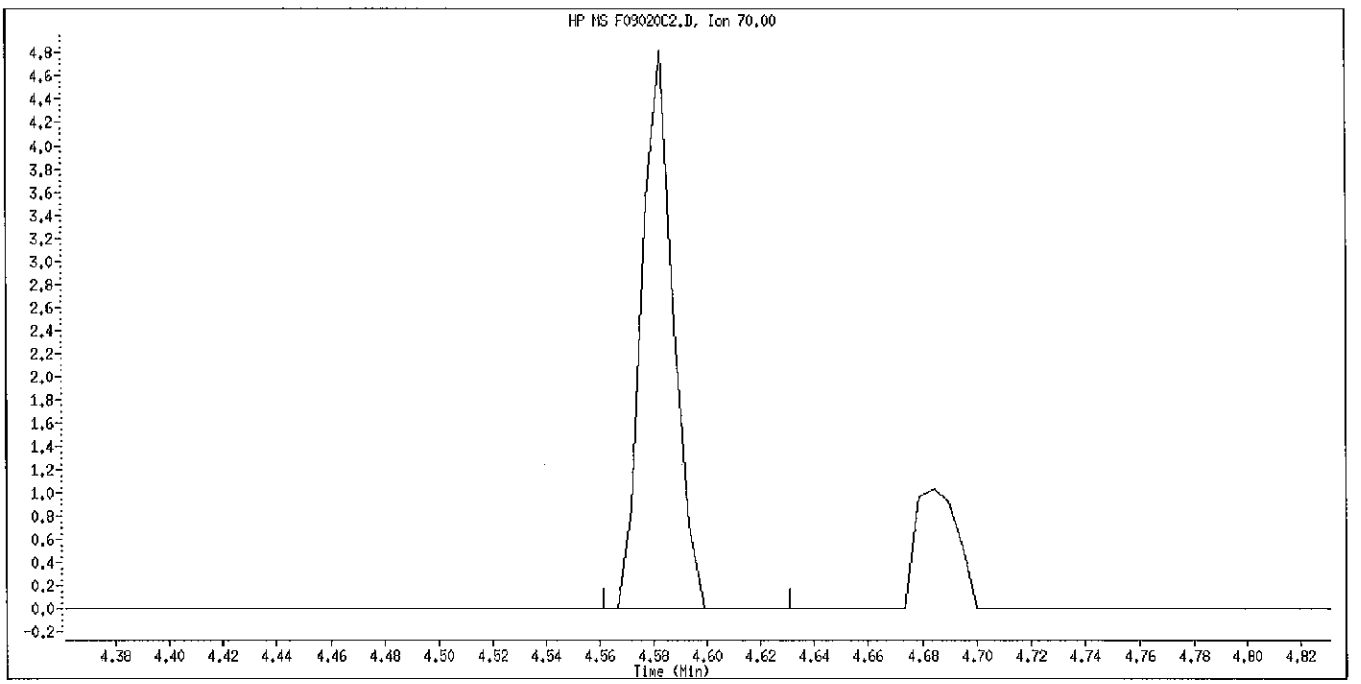
Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

Data File Name: F09020C2.D
Inj. Date and Time: 02-SEP-2010 02:02
Instrument ID: 722.i
Client ID: SSTD.4
Compound Name: N-Nitroso-di-n-propylamine
CAS #: 621-64-7



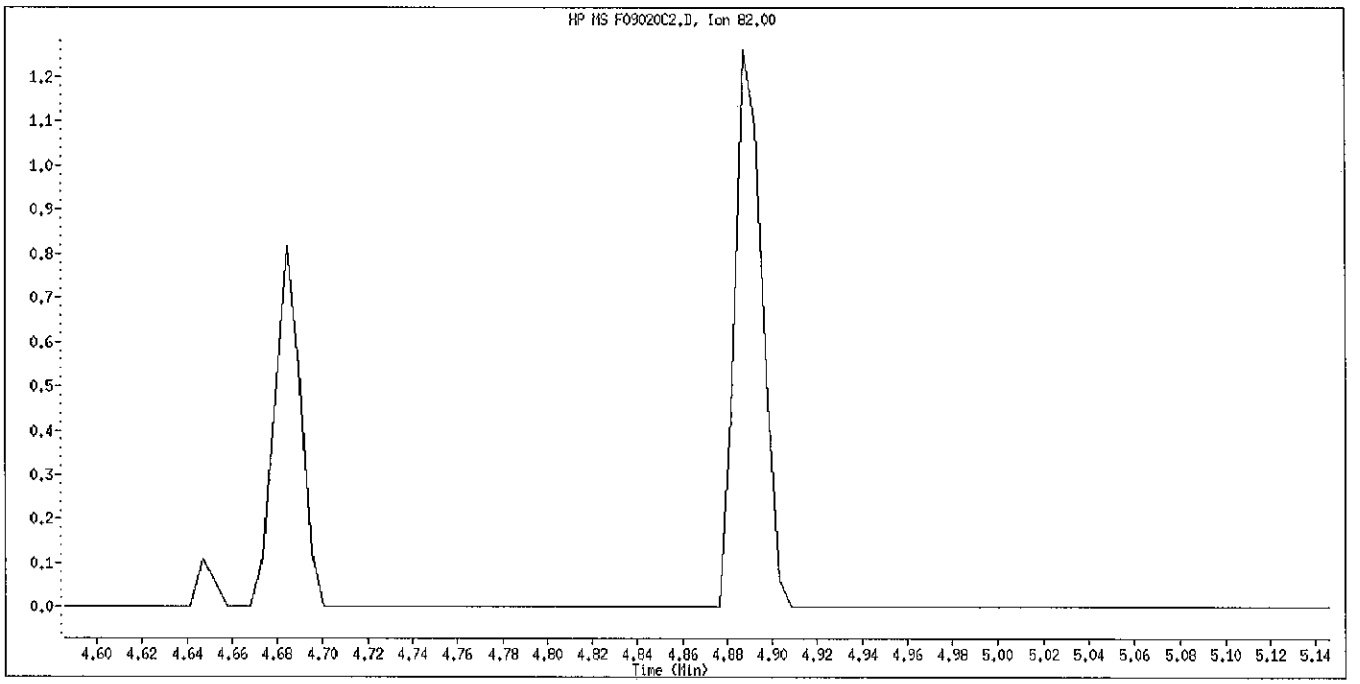
Original Integration



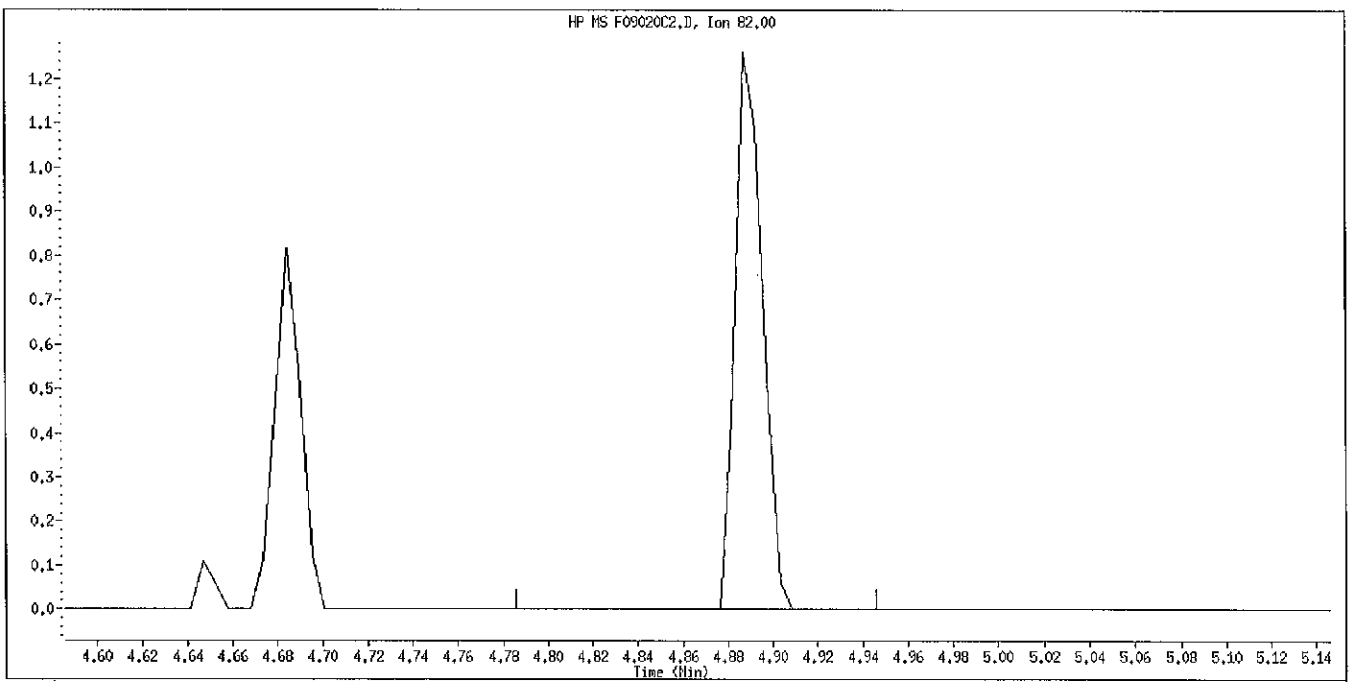
Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

Data File Name: F09020C2.D
Inj. Date and Time: 02-SEP-2010 02:02
Instrument ID: 722.i
Client ID: SSTD.4
Compound Name: Isophorone
CAS #: 78-59-1



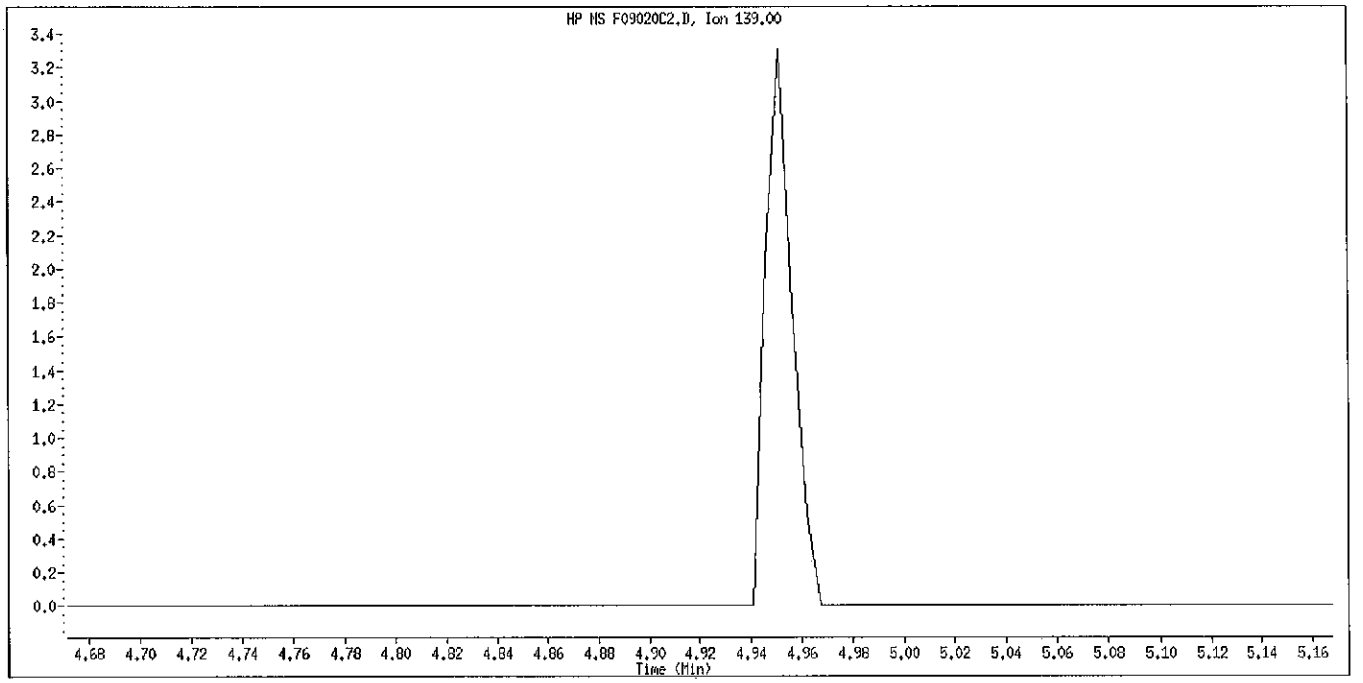
Original Integration



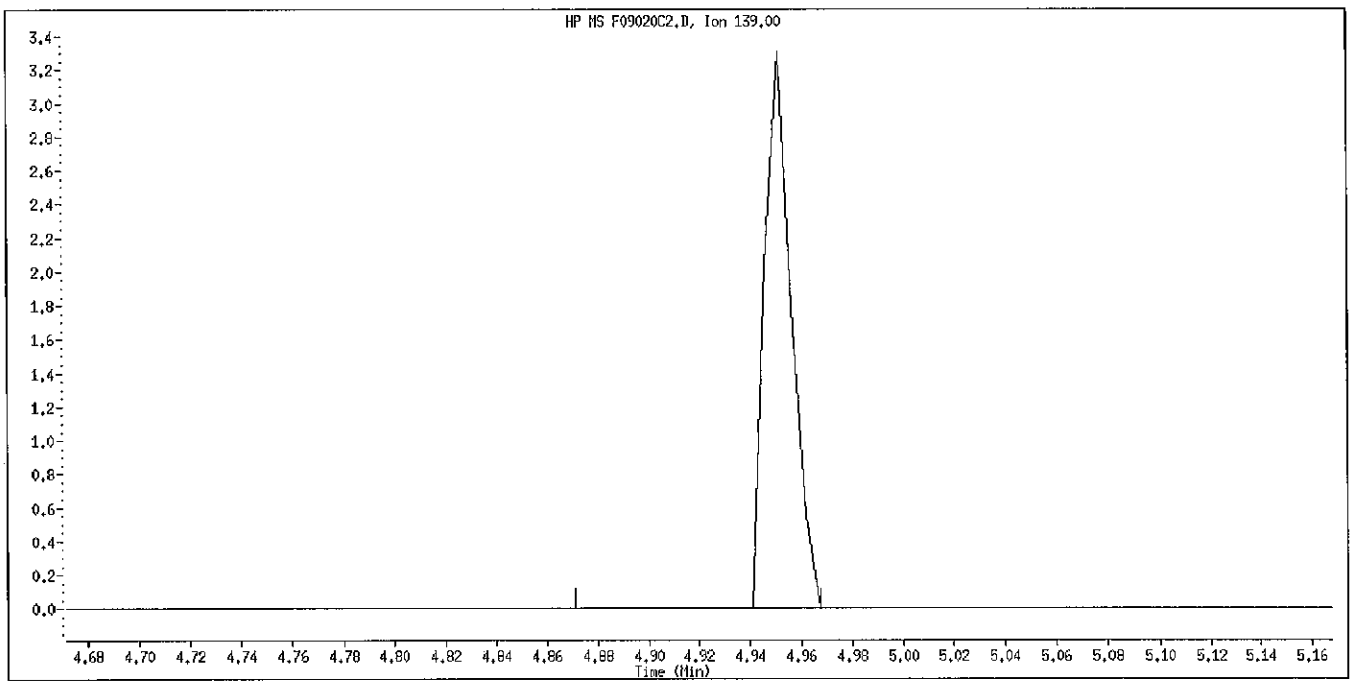
Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

Data File Name: F09020C2.D
Inj. Date and Time: 02-SEP-2010 02:02
Instrument ID: 722.i
Client ID: SSTD.4
Compound Name: 2-Nitrophenol
CAS #: 88-75-5



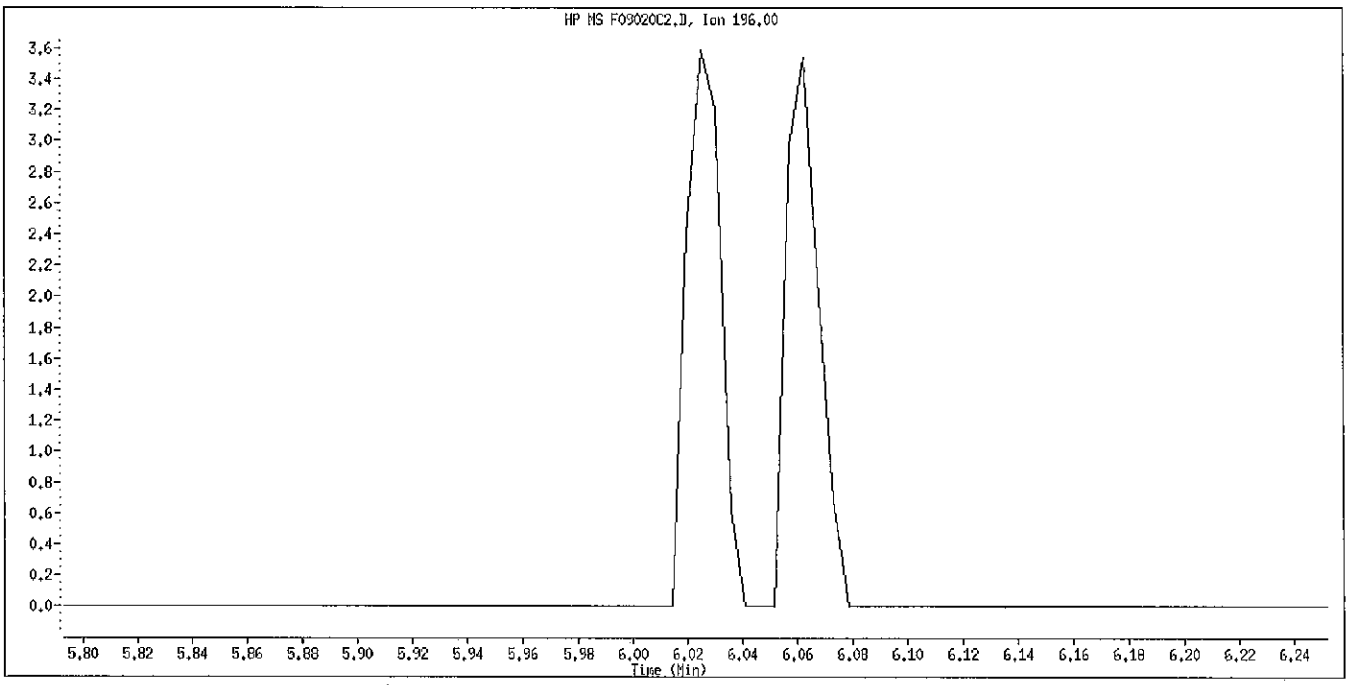
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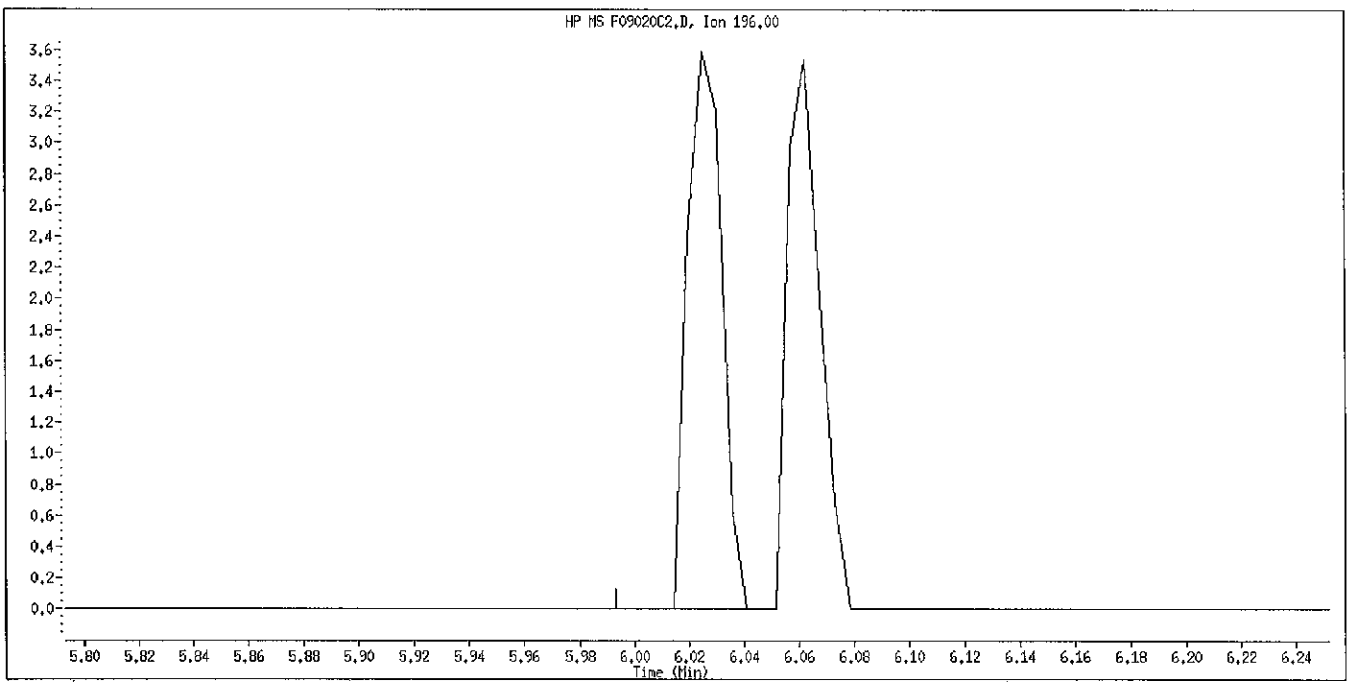
Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

Data File Name: F09020C2.D
Inj. Date and Time: 02-SEP-2010 02:02
Instrument ID: 722.i
Client ID: SSTD.4
Compound Name: 2,4,6-Trichlorophenol
CAS #: 88-06-2



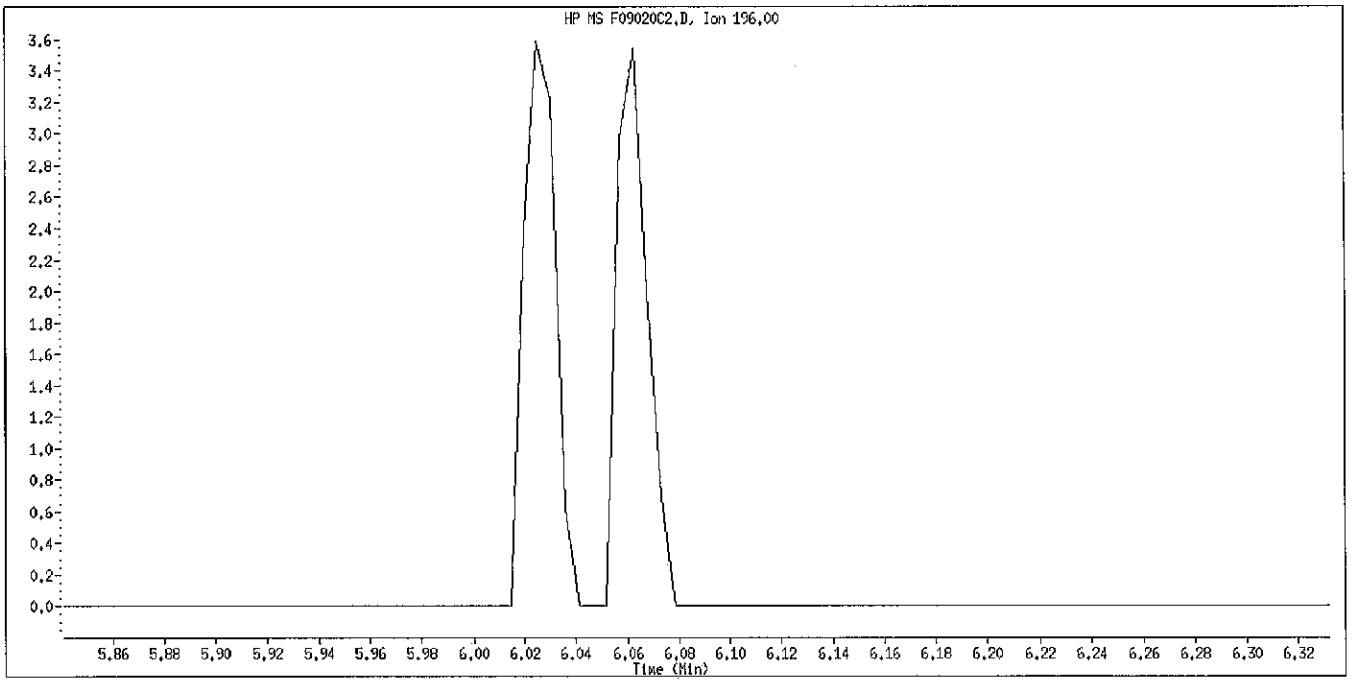
Original Integration



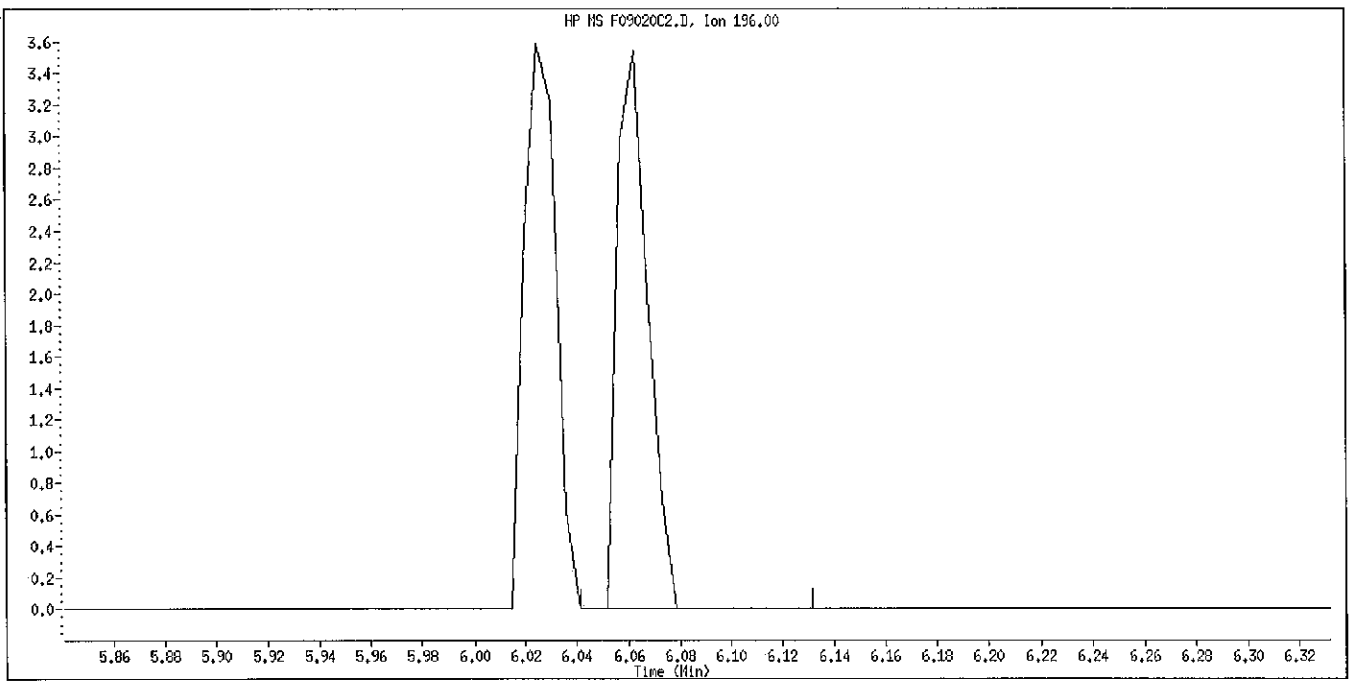
Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

Data File Name: F09020C2.D
Inj. Date and Time: 02-SEP-2010 02:02
Instrument ID: 722.i
Client ID: SSTD.4
Compound Name: 2,4,5-Trichlorophenol
CAS #: 95-95-4



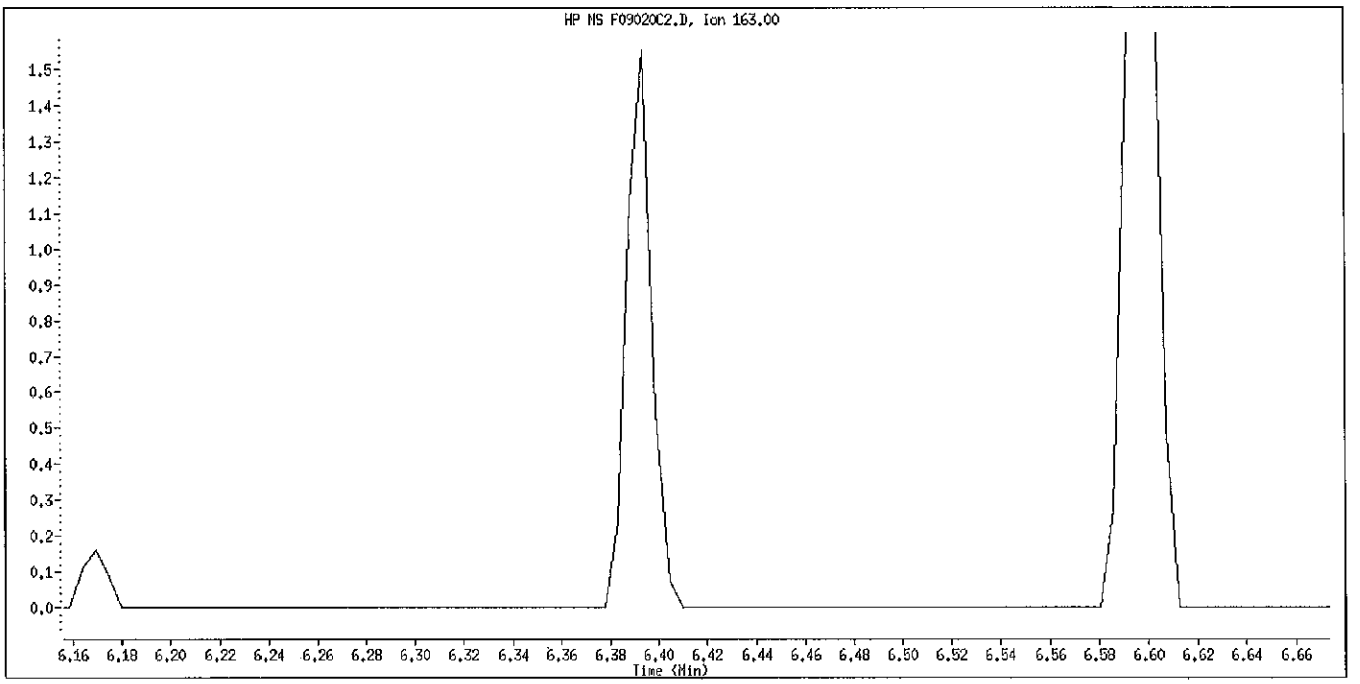
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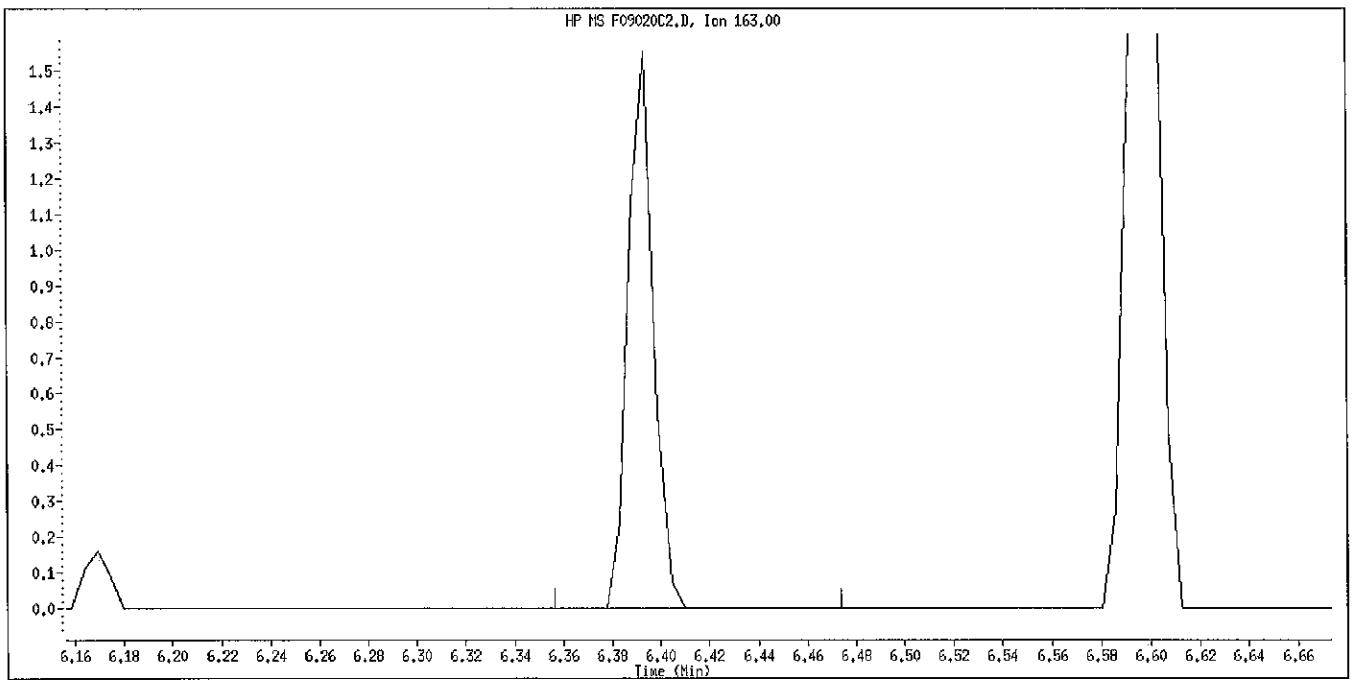
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Manual Integration Reason: Peak Not Found

Data File Name: F09020C2.D
Inj. Date and Time: 02-SEP-2010 02:02
Instrument ID: 722.i
Client ID: SSTD.4
Compound Name: Dimethylphthalate
CAS #: 131-11-3



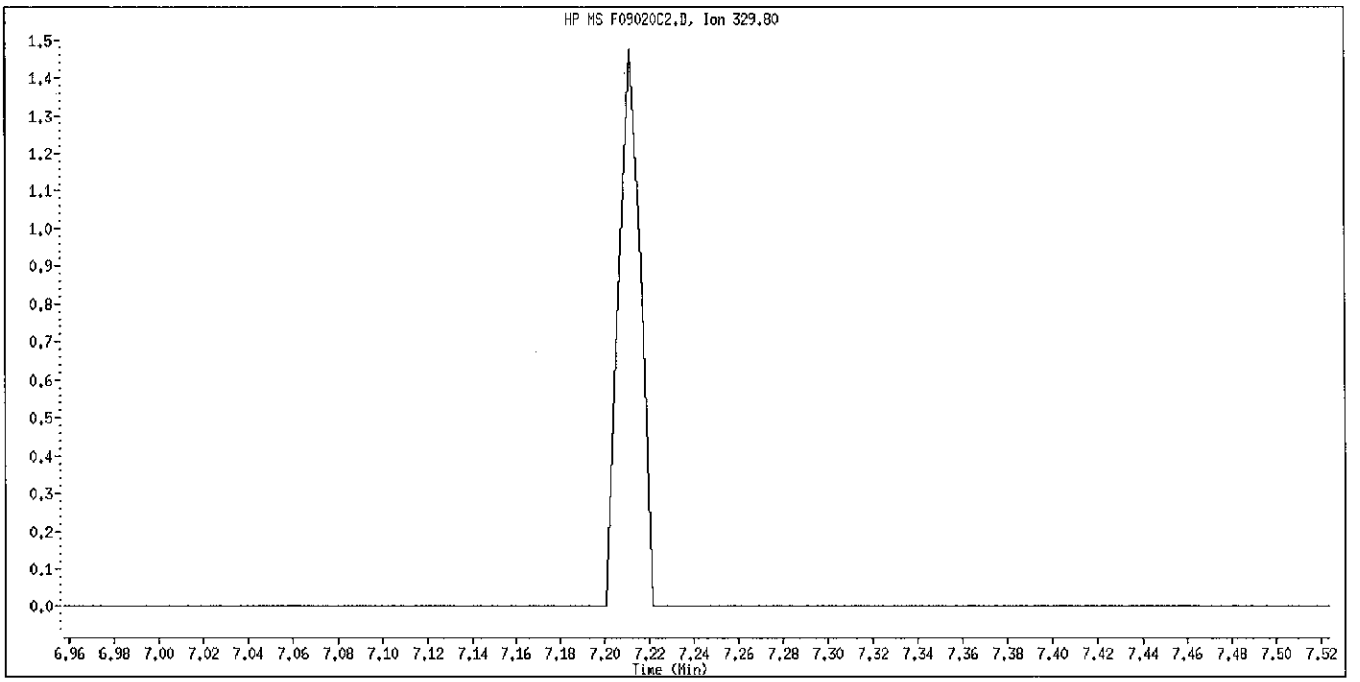
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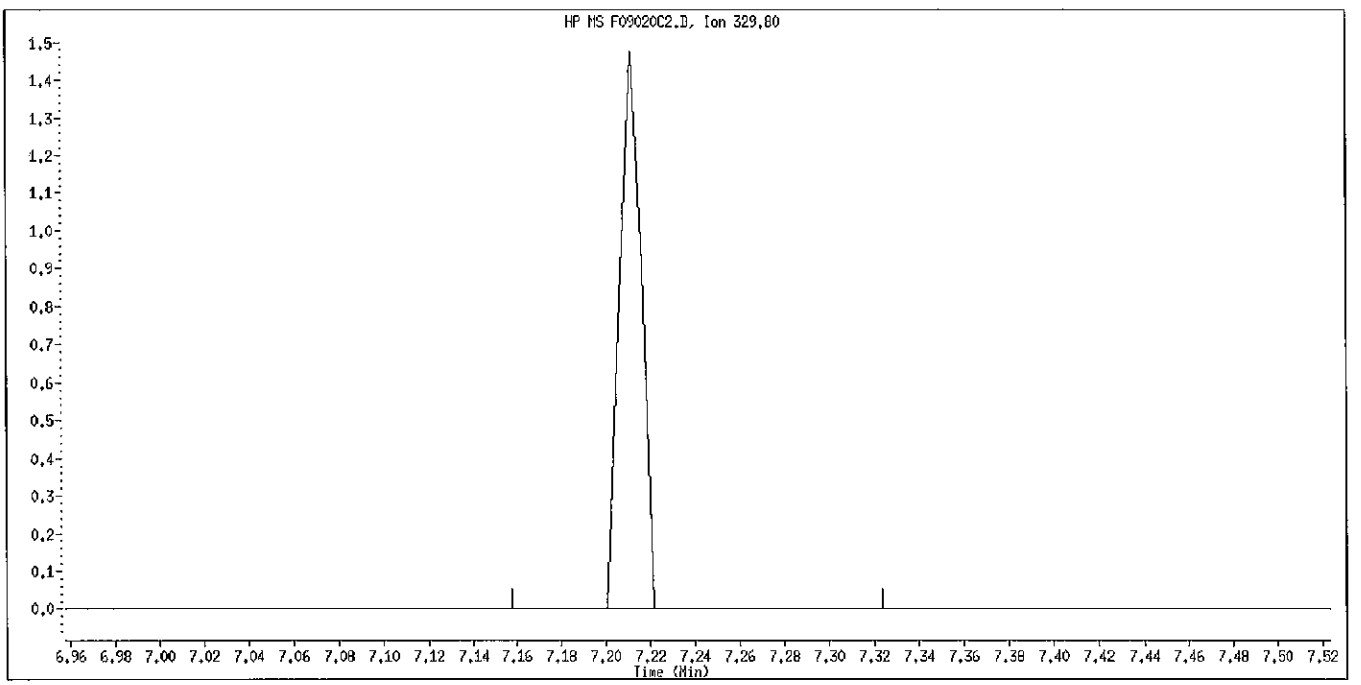
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Data File Name: F09020C2.D
Inj. Date and Time: 02-SEP-2010 02:02
Instrument ID: 722.i
Client ID: SSTD.4
Compound Name: 2,4,6-Tribromophenol
CAS #: 118-79-6



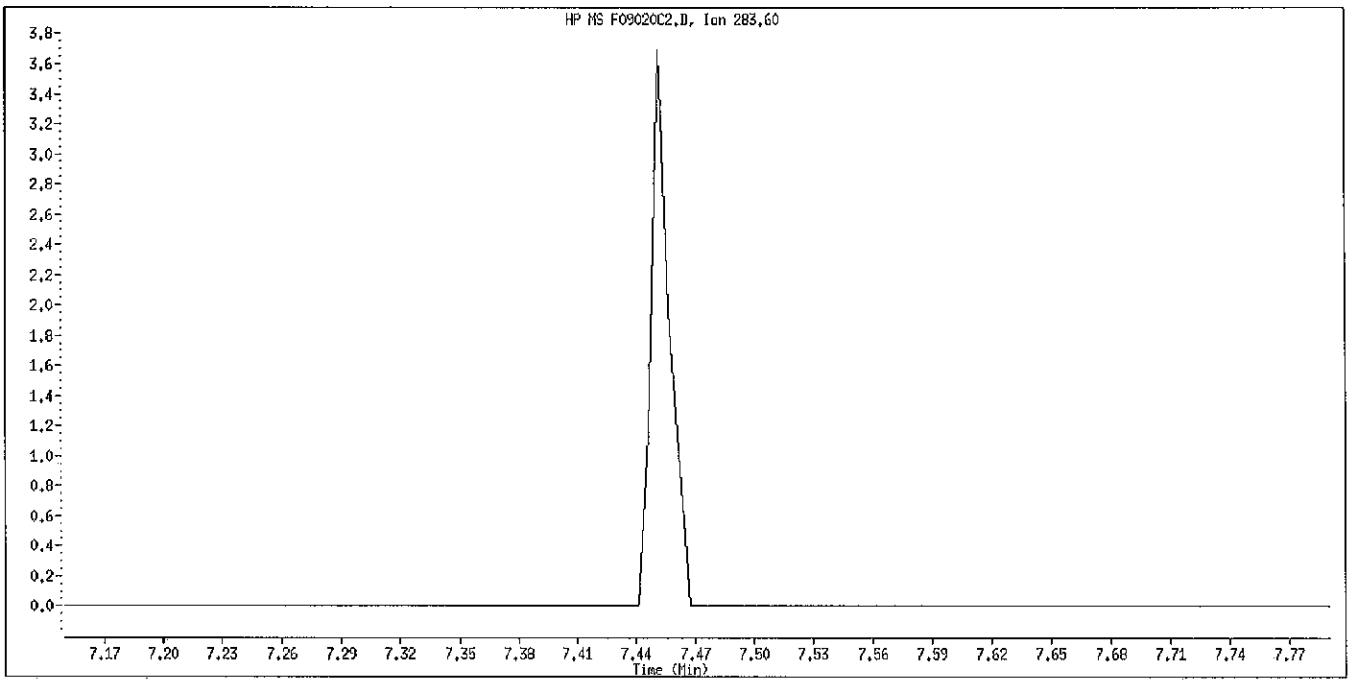
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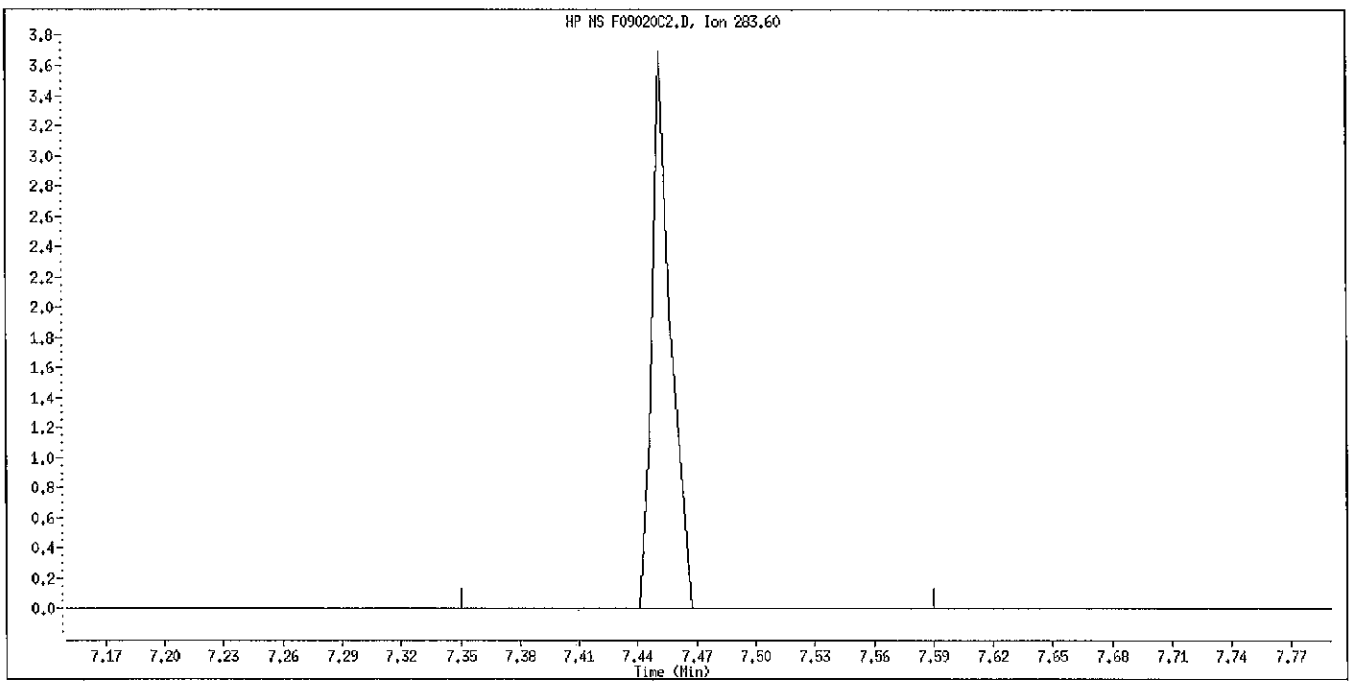
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Manual Integration Reason: Peak Not Found

Data File Name: F09020C2.D
Inj. Date and Time: 02-SEP-2010 02:02
Instrument ID: 722.i
Client ID: SSTD.4
Compound Name: Hexachlorobenzene
CAS #: 118-74-1



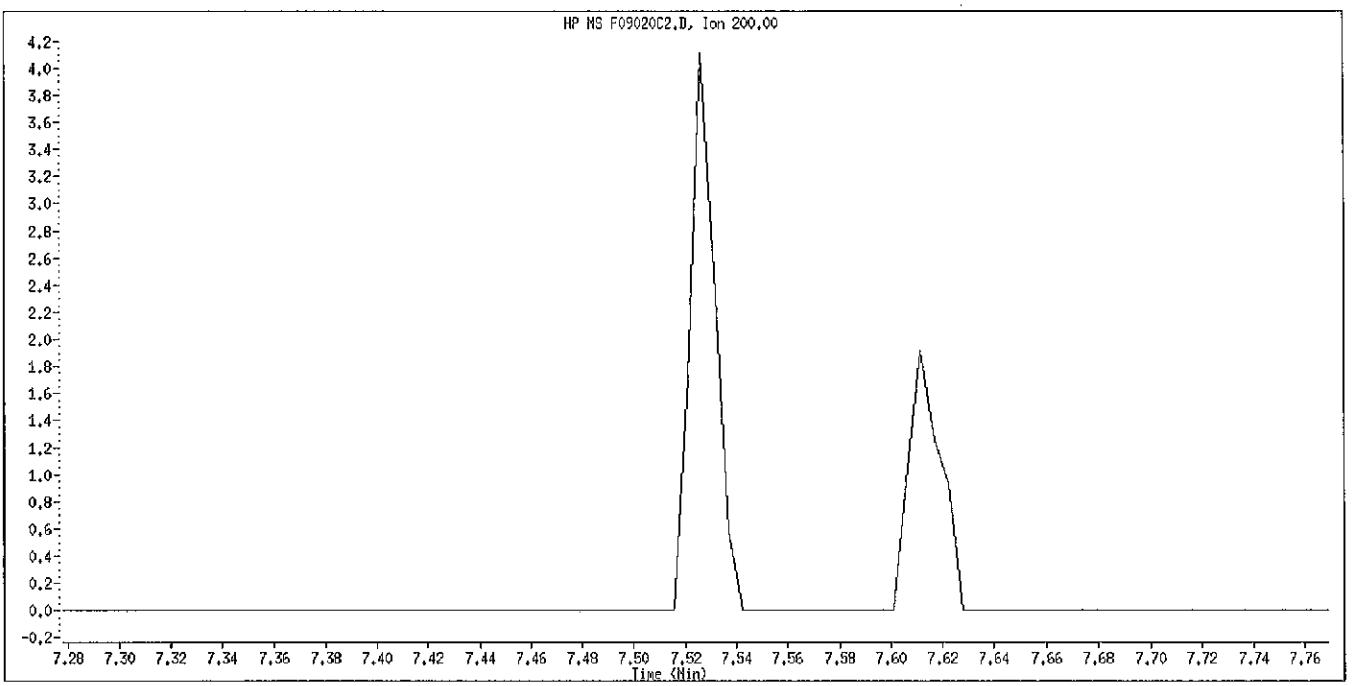
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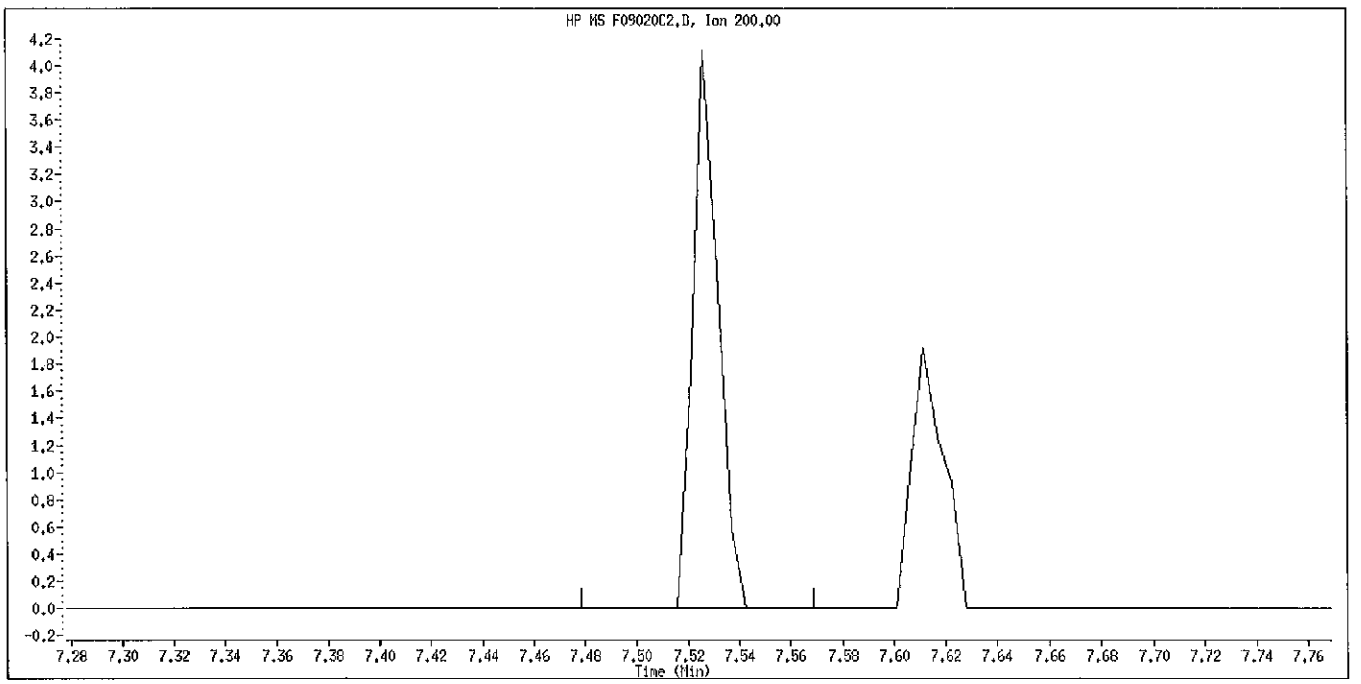
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Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

Data File Name: F09020C2.D
Inj. Date and Time: 02-SEP-2010 02:02
Instrument ID: 722.i
Client ID: SSTD.4
Compound Name: Atrazine
CAS #: 1912-24-9



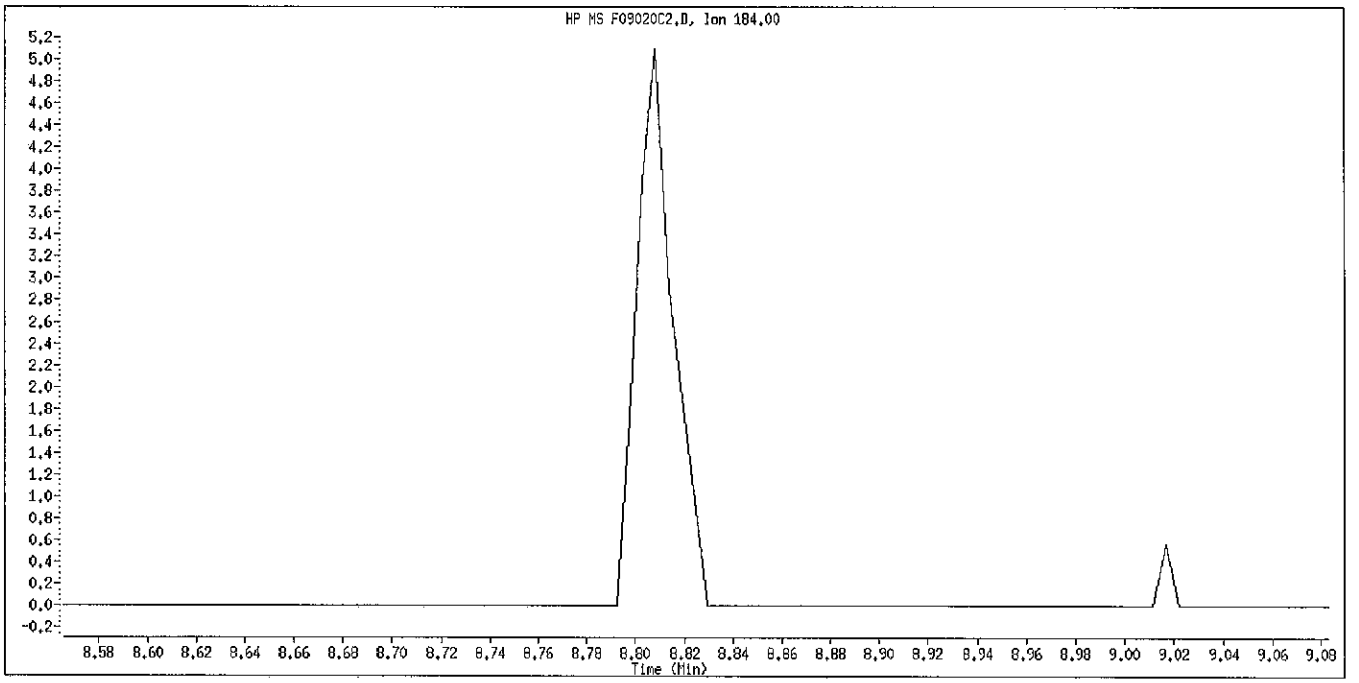
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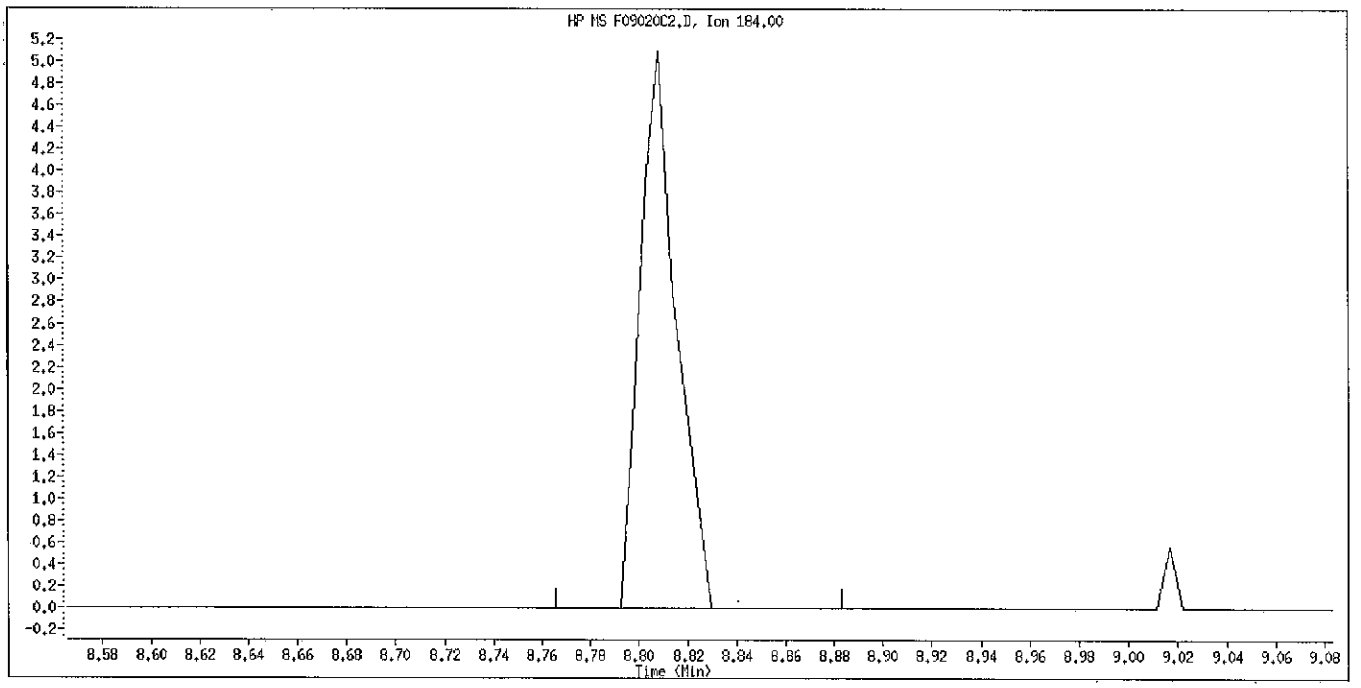
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Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

Data File Name: F09020C2.D
Inj. Date and Time: 02-SEP-2010 02:02
Instrument ID: 722.i
Client ID: SSTD.4
Compound Name: Benzidine
CAS #: 92-87-5



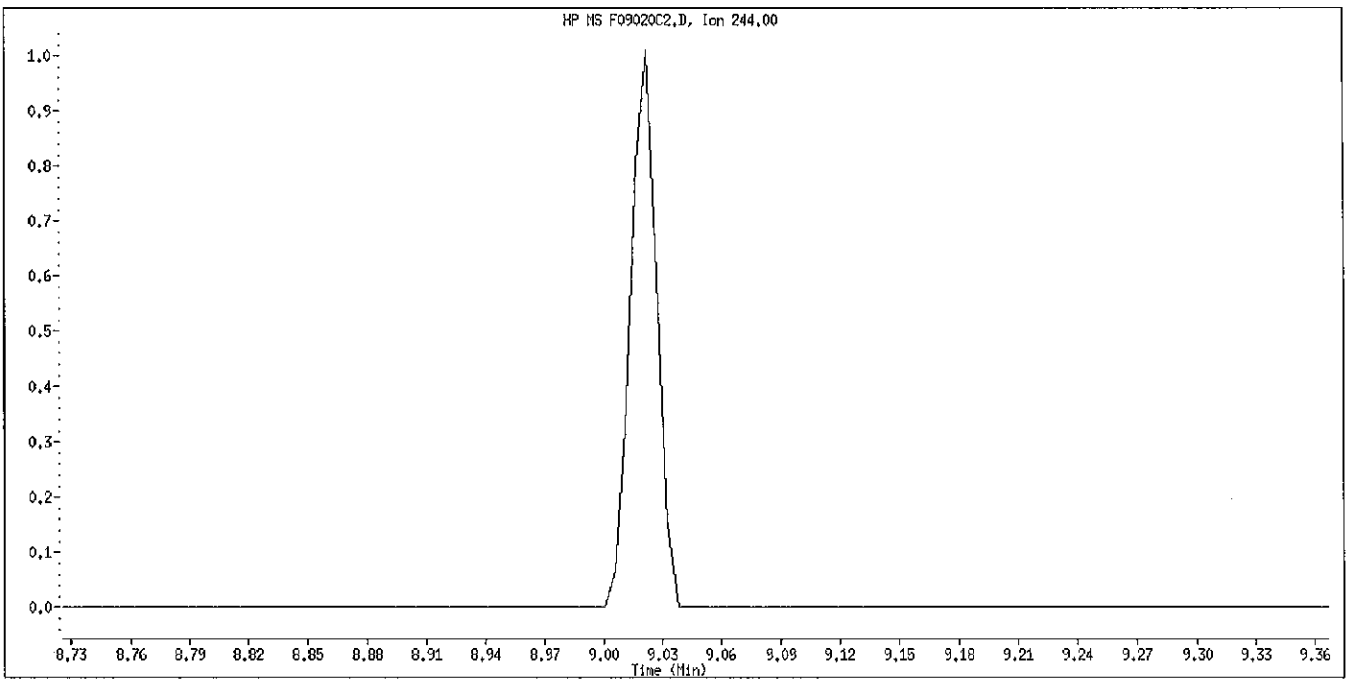
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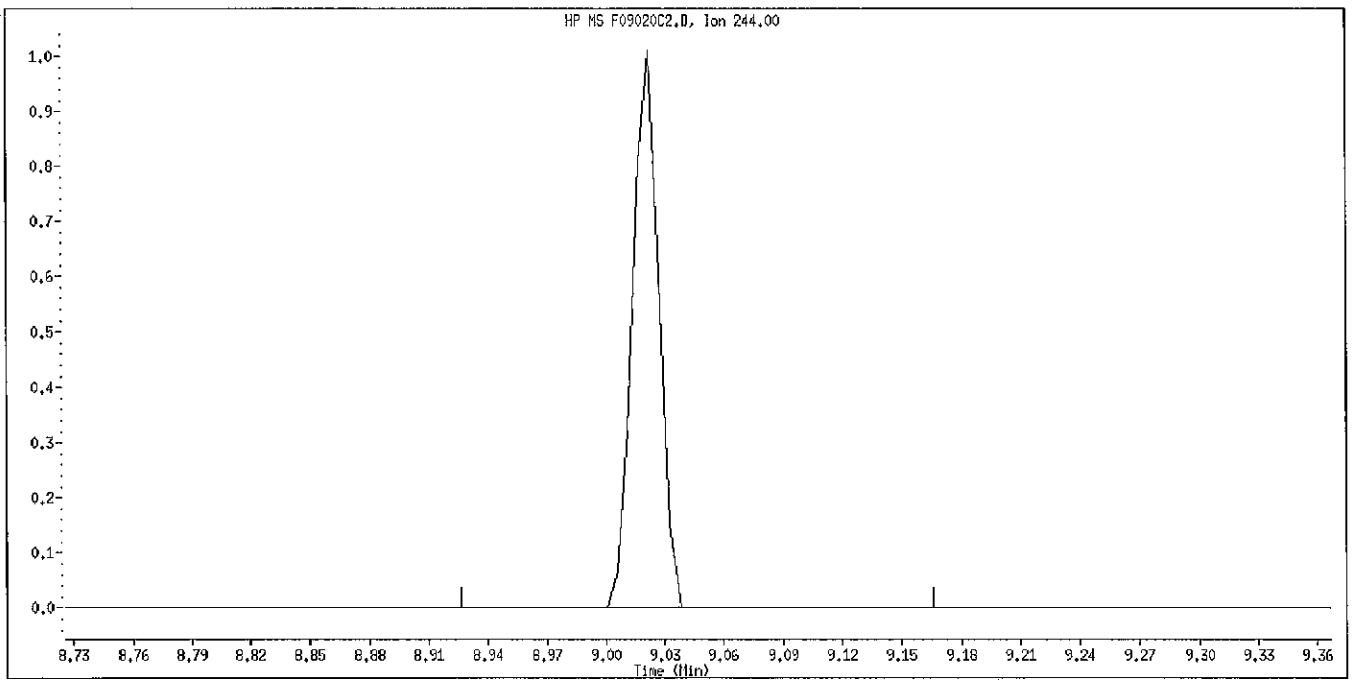
Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

Data File Name: F09020C2.D
Inj. Date and Time: 02-SEP-2010 02:02
Instrument ID: 722.i
Client ID: SSTD.4
Compound Name: Terphenyl-d14
CAS #: 1718-51-0



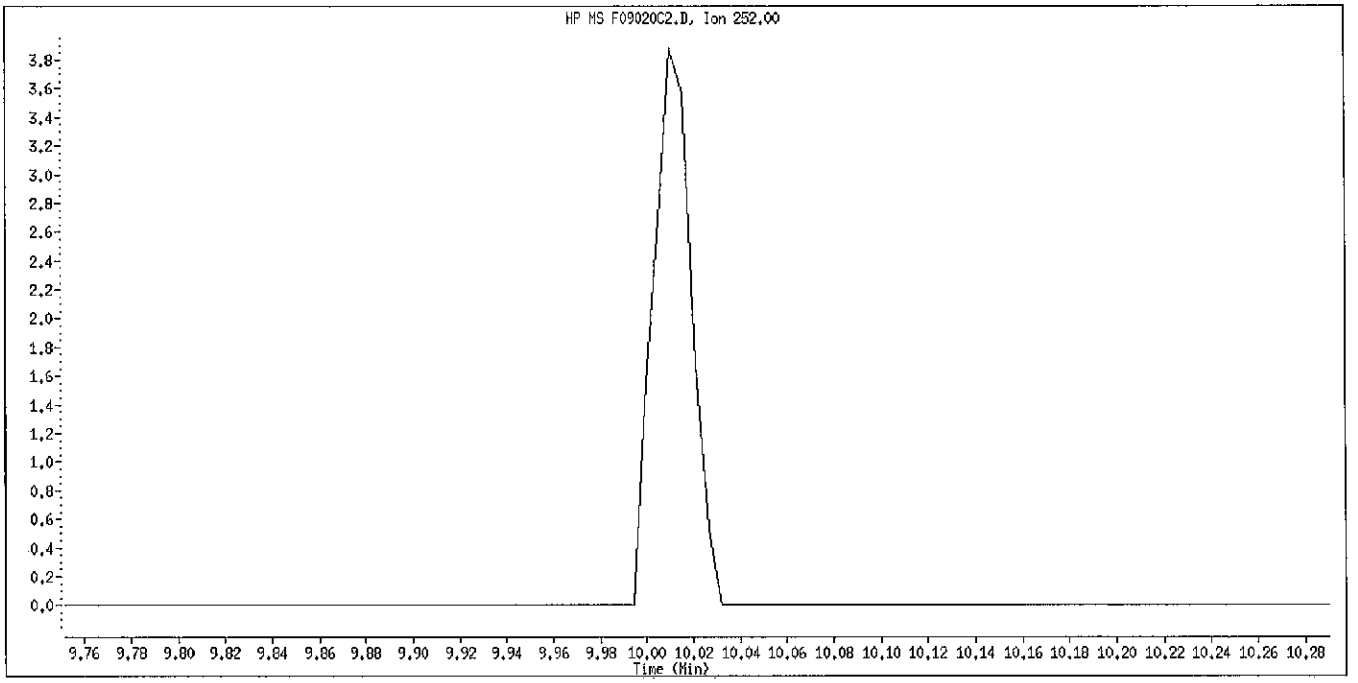
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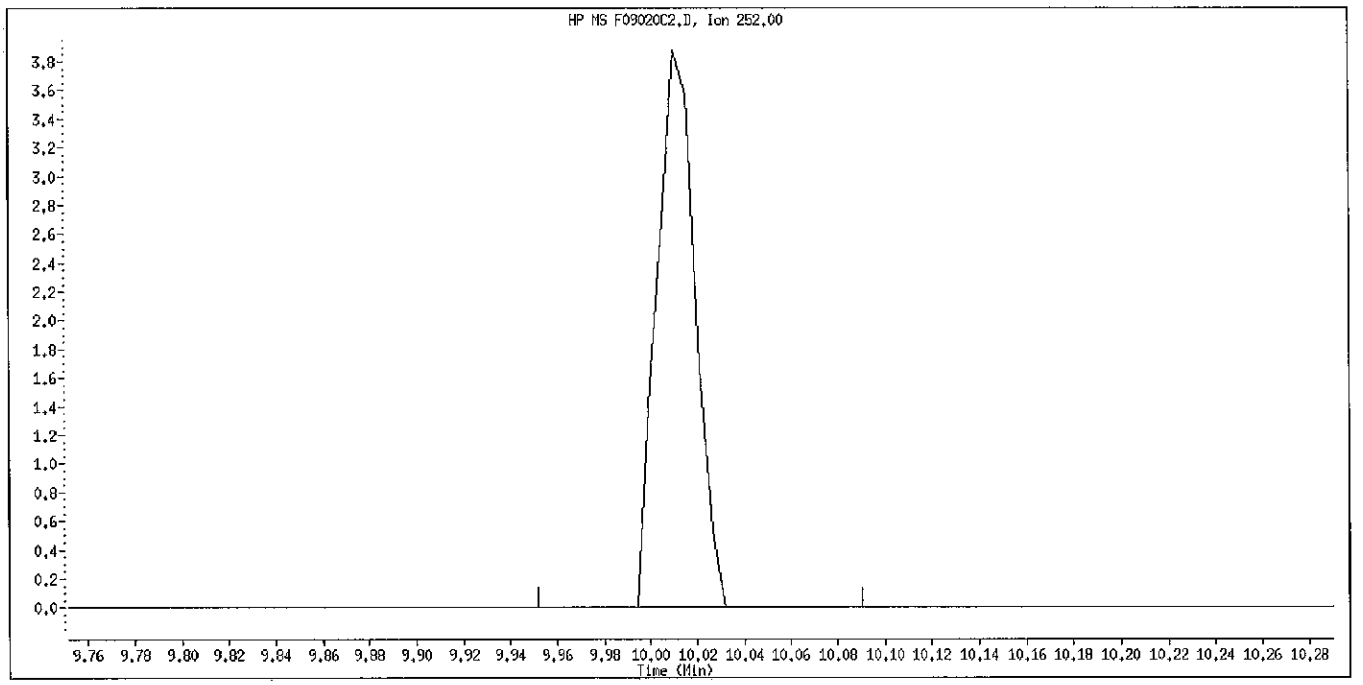
Manual Integration

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Manual Integration Reason: Peak Not Found

Data File Name: F09020C2.D
Inj. Date and Time: 02-SEP-2010 02:02
Instrument ID: 722.i
Client ID: SSTD.4
Compound Name: 3,3'-Dichlorobenzidine
CAS #: 91-94-1



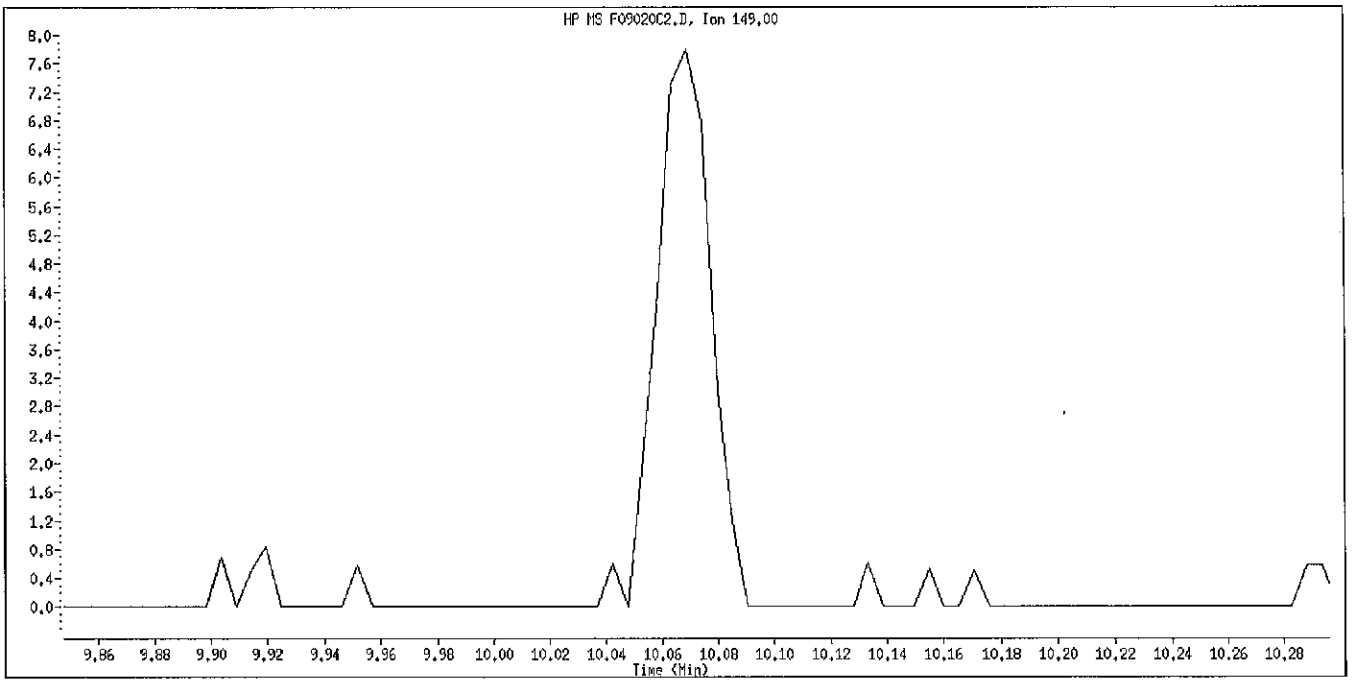
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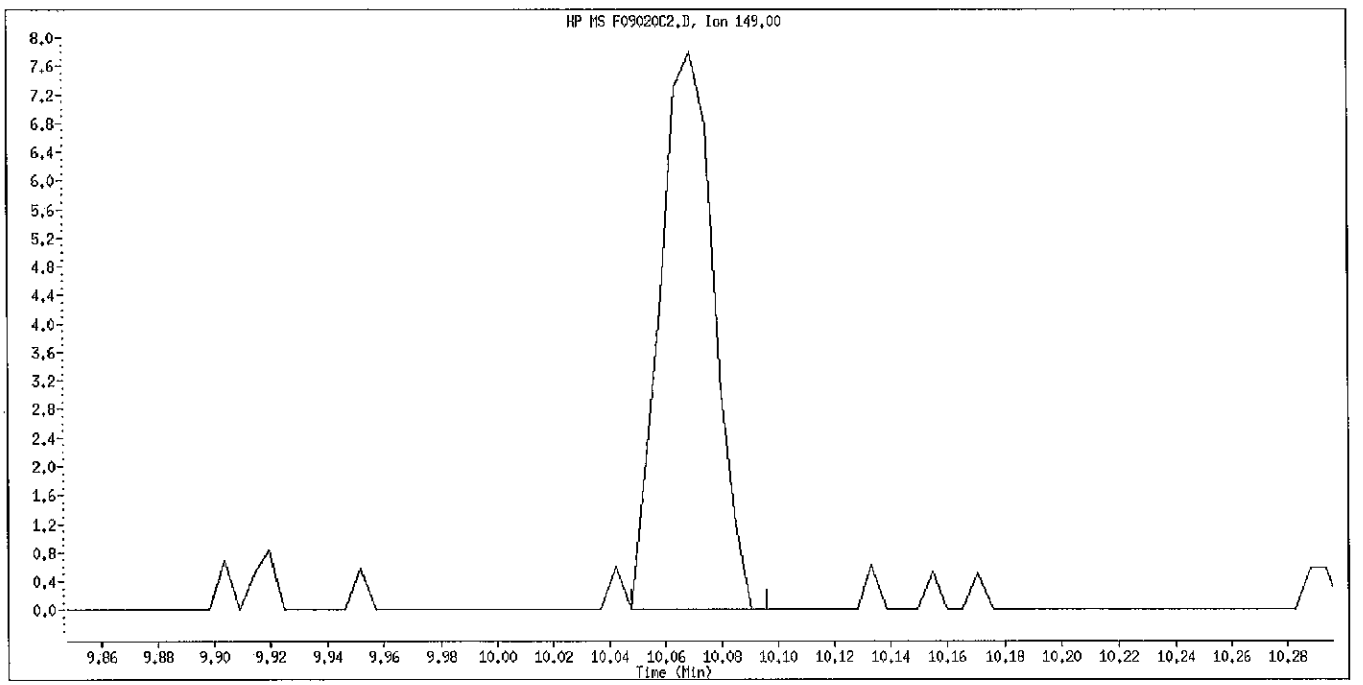
Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

Data File Name: F09020C2.D
Inj. Date and Time: 02-SEP-2010 02:02
Instrument ID: 722.i
Client ID: SSTD.4
Compound Name: bis(2-ethylhexyl)Phthalate
CAS #: 117-81-7



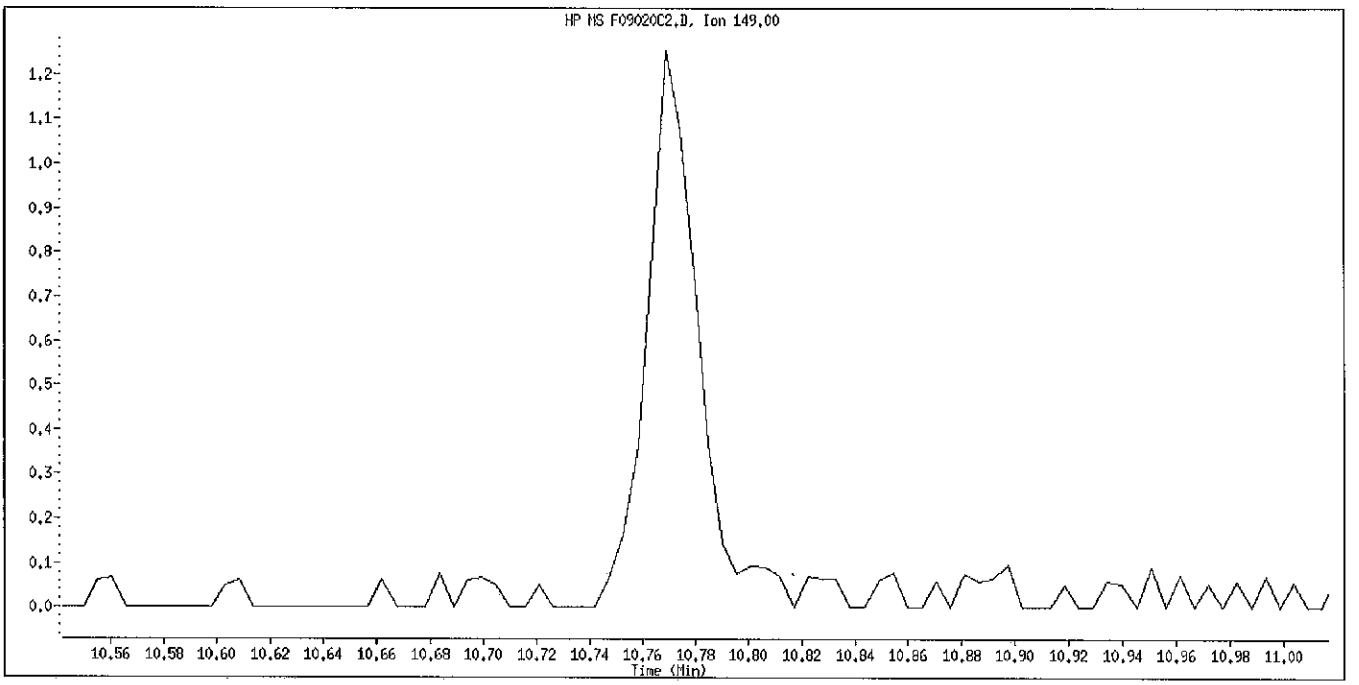
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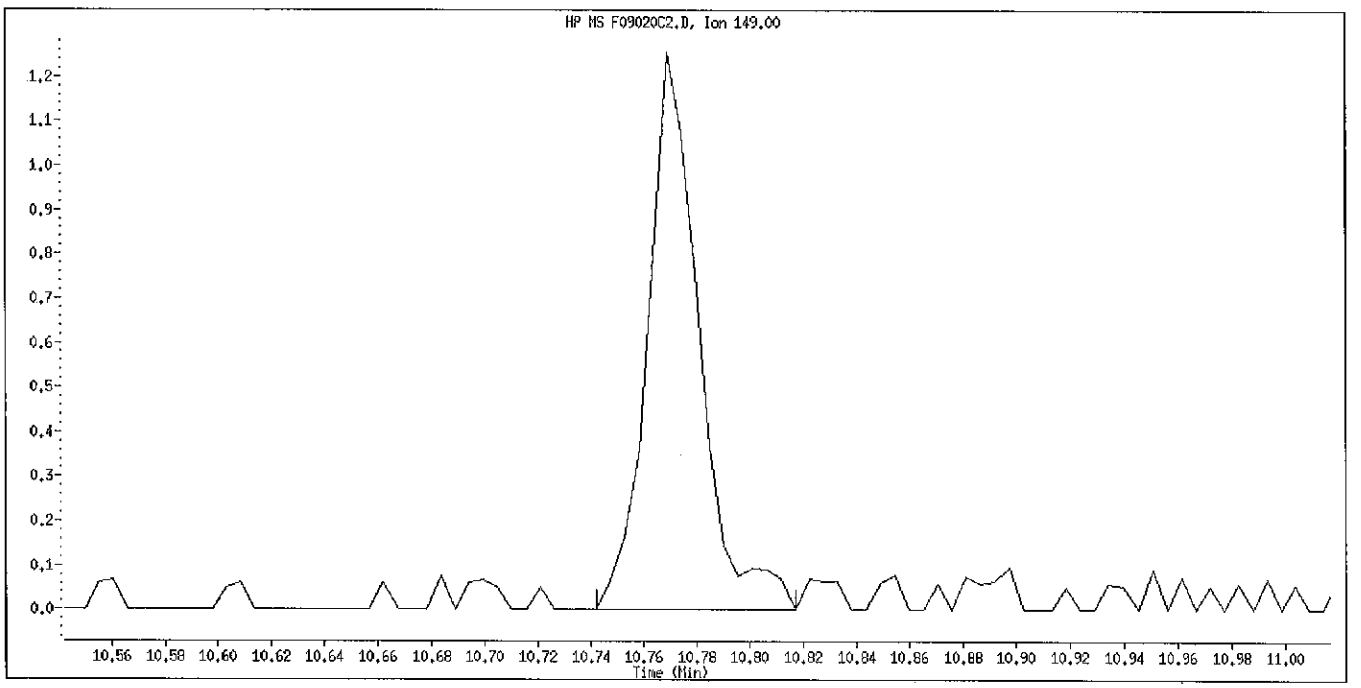
Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

Data File Name: F09020C2.D
Inj. Date and Time: 02-SEP-2010 02:02
Instrument ID: 722.i
Client ID: SSTD.4
Compound Name: Di-n-octylphthalate
CAS #: 117-84-0



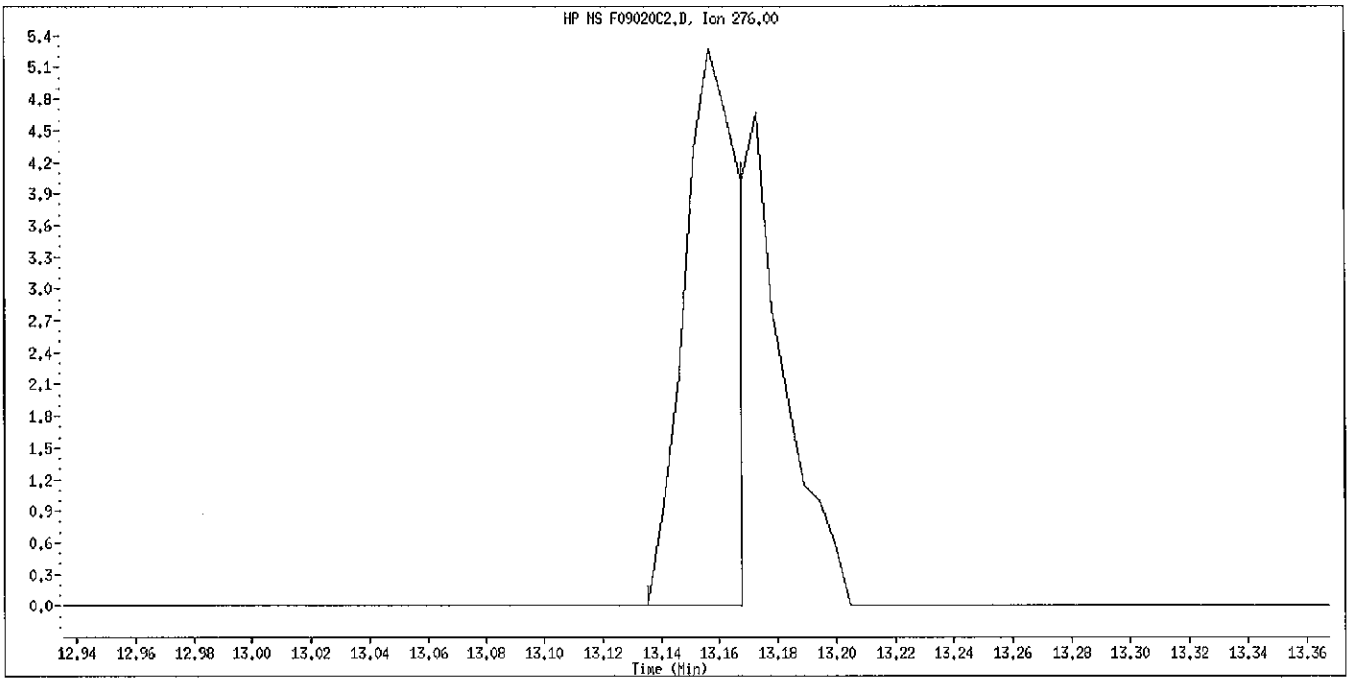
Original Integration



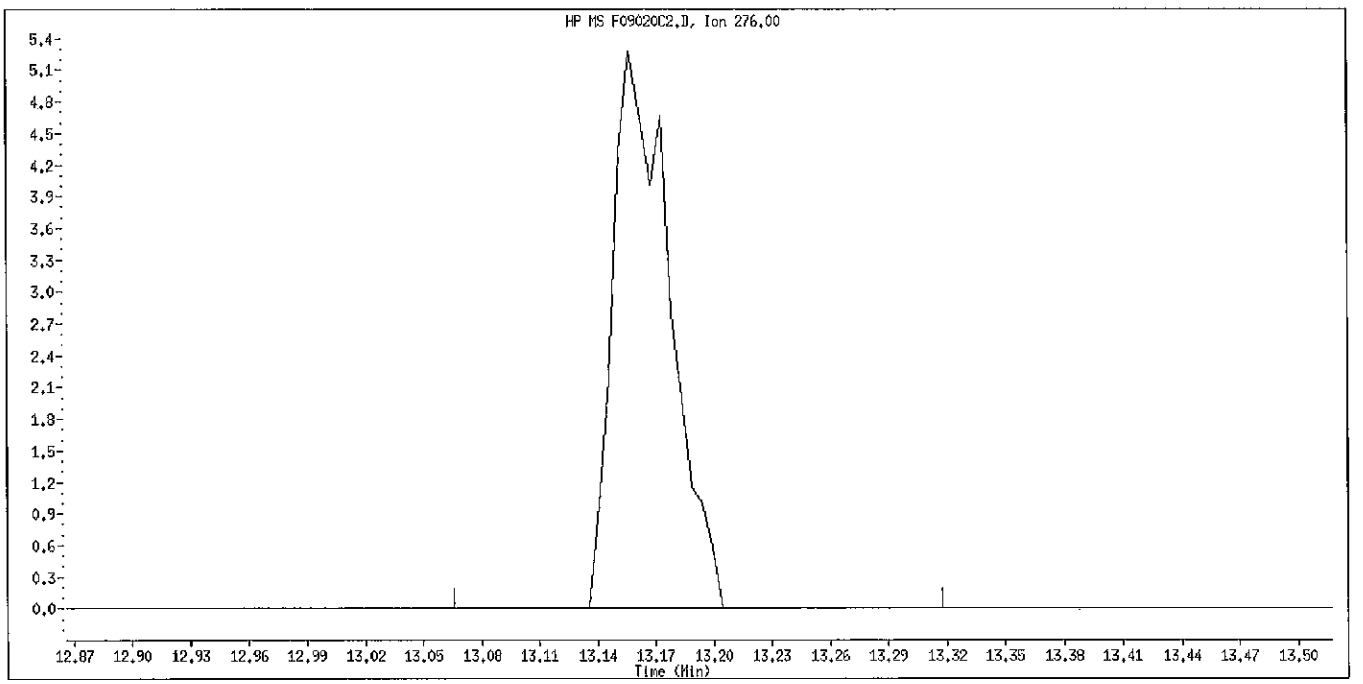
Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

Data File Name: F09020C2.D
Inj. Date and Time: 02-SEP-2010 02:02
Instrument ID: 722.i
Client ID: SSTD.4
Compound Name: Benzo(g,h,i)perylene
CAS #: 191-24-2



Original Integration



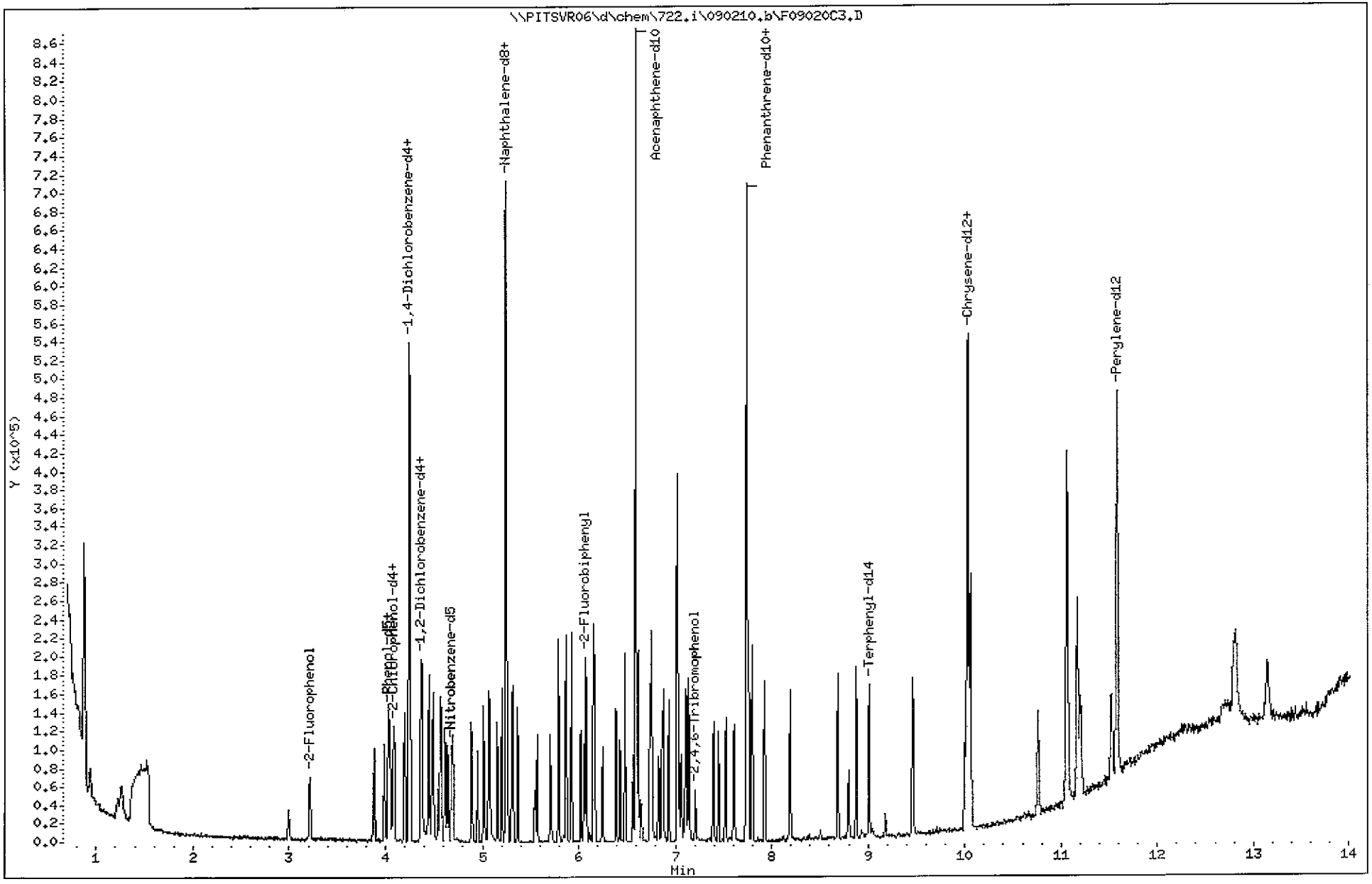
Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

Data File: \\PITSVR06\d\chem\722.i\090210.b\F09020C3.D
Date : 02-SEP-2010 02:21
Client ID: SSTD2
Sample Info: SSTD2 (1ug/ml) BNA0661-10

Instrument: 722.i
Operator: 007062
Column diameter: 0.25

Column phase: Hp5-MS



Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\d\chem\722.i\090210.b\F09020C3.D
Lab Smp Id: sstd2 Client Smp ID: SSTD2
Inj Date : 02-SEP-2010 02:21
Operator : 007062 Inst ID: 722.i
Smp Info : SSTD2 (1ug/ml) BNA0661-10
Misc Info : sstd2,090210.b,ll.m,2-root.sub,1,2
Comment :
Method : \\PITSVR06\d\chem\722.i\090210.b\LL.m
Meth Date : 02-Sep-2010 03:40 722.i Quant Type: ISTD
Cal Date : 18-AUG-2010 00:29 Cal File: F08180A2.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-root.sub
Target Version: 4.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.243	4.243	(1.000)	75257	8.00000	
* 2	Naphthalene-d8	136	5.242	5.242	(1.000)	279095	8.00000	
* 3	Acenaphthene-d10	164	6.594	6.594	(1.000)	157810	8.00000	
* 4	Phenanthrene-d10	188	7.743	7.743	(1.000)	236693	8.00000	
* 5	Chrysene-d12	240	10.034	10.034	(1.000)	211614	8.00000	
* 6	Perylene-d12	264	11.584	11.584	(1.000)	192344	8.00000	
198	1,4-Dioxane	88	0.867	0.867	(0.204)	14459	2.00000	3.3277
220	Benzaldehyde	77	3.880	3.880	(0.914)	21148	2.00000	2.2116
10	N-Nitrosodimethylamine	74	1.225	1.225	(0.289)	17010	2.00000	2.0939
9	Pyridine	79	1.257	1.257	(0.296)	29314	2.00000	1.9570
16	Methyl methanesulfonate	80	2.993	2.993	(0.705)	12859	2.00000	1.9300
21	Aniline	93	3.987	3.987	(0.940)	37747	2.00000	1.9732
22	Phenol	94	4.035	4.035	(0.951)	32657	2.00000	1.9121
23	bis(2-Chloroethyl)ether	93	4.051	4.051	(0.955)	24466	2.00000	1.9562
24	2-Chlorophenol	128	4.089	4.089	(0.963)	26993	2.00000	1.9856
26	1,3-Dichlorobenzene	146	4.195	4.195	(0.989)	30659	2.00000	1.9460
27	1,4-Dichlorobenzene	146	4.259	4.259	(1.004)	31223	2.00000	1.9881
28	1,2-Dichlorobenzene	146	4.377	4.377	(1.031)	28708	2.00000	1.9192
227	Indene	116	4.446	4.446	(1.048)	45362	2.00000	1.9670(A)
29	Benzyl Alcohol	108	4.495	4.495	(1.059)	24451	2.00000	3.1779
30	2-Methylphenol	108	4.377	4.377	(1.031)	13799	2.00000	1.2191(M)
31	2,2'-oxybis(1-Chloropropane)	45	4.484	4.484	(1.057)	23433	2.00000	2.0080
37	Acetophenone	105	4.569	4.569	(1.077)	35871	2.00000	2.0024
32	N-Nitroso-di-n-propylamine	70	4.580	4.580	(1.079)	19298	2.00000	2.0590
192	4-Methylphenol	108	4.612	4.612	(1.087)	24107	2.00000	2.0536
34	Hexachloroethane	117	4.644	4.644	(1.094)	11739	2.00000	2.0152
35	Nitrobenzene	77	4.698	4.698	(0.896)	29840	2.00000	2.5442(H)
36	N-Nitrosopyrrolidine	100	4.543	4.543	(1.070)	11901	2.00000	1.9722
41	Isophorone	82	4.885	4.885	(0.932)	49115	2.00000	2.0350
42	2-Nitrophenol	139	4.949	4.949	(0.944)	13465	2.00000	1.9050
43	2,4-Dimethylphenol	107	5.013	5.013	(0.956)	26090	2.00000	1.9288
44	bis(2-Chloroethoxy)methane	93	5.066	5.066	(0.966)	27990	2.00000	1.9988
48	2,4-Dichlorophenol	162	5.152	5.152	(0.983)	20431	2.00000	1.9607
49	Benzoic Acid	122	5.077	5.077	(0.968)	19281	4.00000	3.6146

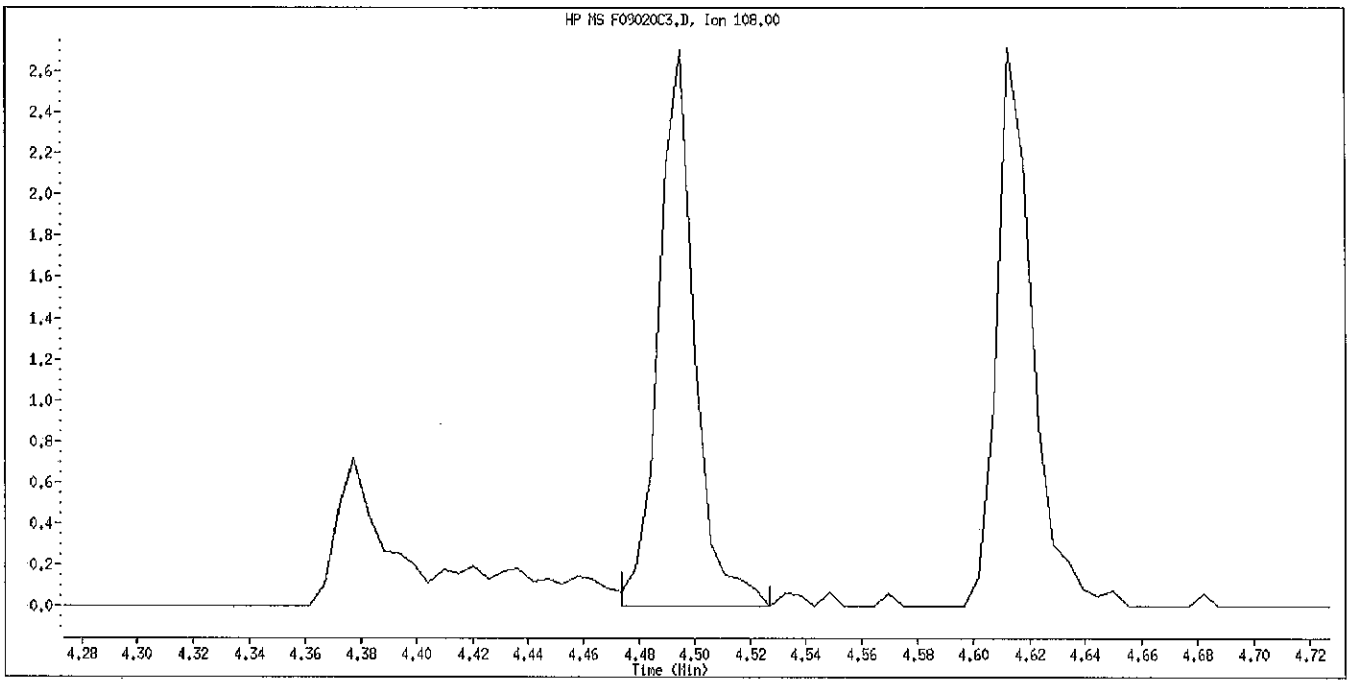
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
50	1,2,4-Trichlorobenzene	180	5.200	5.200	(0.992)	23403	2.00000	1.9780
51	Naphthalene	128	5.258	5.258	(1.003)	73318	2.00000	1.9601
52	4-Chloroaniline	127	5.307	5.307	(1.012)	30853	2.00000	2.0127
54	2,6-Dichlorophenol	162	5.317	5.317	(1.014)	20463	2.00000	1.9840
56	Hexachlorobutadiene	225	5.365	5.365	(1.023)	13377	2.00000	1.9056
221	Caprolactam	113	5.542	5.542	(1.057)	6552	2.00000	1.8536
59	4-Chloro-3-Methylphenol	107	5.707	5.707	(1.089)	20818	2.00000	1.9324
62	2-Methylnaphthalene	142	5.793	5.793	(1.105)	48687	2.00000	1.9907
205	1-Methylnaphthalene	142	5.867	5.867	(1.119)	47432	2.00000	2.0340
64	Hexachlorocyclopentadiene	237	5.921	5.921	(0.898)	9306	2.00000	1.3967
65	1,2,4,5-Tetrachlorobenzene	216	5.926	5.926	(0.899)	20462	2.00000	1.8137
66	2,4,6-Trichlorophenol	196	6.022	6.022	(0.913)	13695	2.00000	1.8503
67	2,4,5-Trichlorophenol	196	6.060	6.060	(0.919)	15505	2.00000	1.9925
222	1,1'-Biphenyl	154	6.151	6.151	(0.933)	59188	2.00000	1.9695
70	2-Chloronaphthalene	162	6.167	6.167	(0.935)	43917	2.00000	1.9033
73	2-Nitroaniline	65	6.247	6.247	(0.947)	13652	2.00000	2.0243
76	Dimethylphthalate	163	6.391	6.391	(0.969)	50383	2.00000	1.9772
78	2,6-Dinitrotoluene	165	6.434	6.434	(0.976)	10763	2.00000	1.8406
79	Acenaphthylene	152	6.482	6.482	(0.983)	72510	2.00000	1.9876
81	3-Nitroaniline	138	6.562	6.562	(0.995)	11862	2.00000	1.9591
82	Acenaphthene	153	6.615	6.615	(1.003)	42652	2.00000	1.8810
83	2,4-Dinitrophenol	184	6.642	6.642	(1.007)	6036	4.00000	2.1312
85	4-Nitrophenol	109	6.733	6.733	(1.021)	13955	4.00000	3.4759
86	Dibenzofuran	168	6.749	6.749	(1.023)	62590	2.00000	1.9614
87	2,4-Dinitrotoluene	165	6.738	6.738	(1.022)	14464	2.00000	1.8893
91	2,3,5,6-Tetrachlorophenol	232	6.824	6.824	(1.035)	10780	2.00000	1.7881
88	2,3,4,6-Tetrachlorophenol	232	6.861	6.861	(1.041)	11394	2.00000	1.8055
92	2-Naphthylamine	143	6.872	6.872	(1.042)	43483	2.00000	2.0904
93	Diethylphthalate	149	6.931	6.931	(1.051)	47510	2.00000	1.8954
94	Fluorene	166	7.016	7.016	(1.064)	49584	2.00000	1.9042
95	4-Chlorophenyl-phenylether	204	7.016	7.016	(1.064)	24950	2.00000	1.9763
96	4-Nitroaniline	138	6.562	6.562	(0.995)	11862	2.00000	1.9400
98	4,6-Dinitro-2-methylphenol	198	7.059	7.059	(0.912)	10942	4.00000	2.9424
99	N-Nitrosodiphenylamine	169	7.112	7.112	(0.919)	33689	2.00000	2.0028
100	1,2-Diphenylhydrazine	77	7.139	7.139	(0.922)	53635	2.00000	1.9757
106	4-Bromophenyl-phenylether	248	7.395	7.395	(0.955)	12094	2.00000	1.8452
107	Hexachlorobenzene	284	7.449	7.449	(0.962)	12503	2.00000	2.0036
223	Atrazine	200	7.524	7.524	(0.972)	12943	2.00000	1.9082
111	Pentachlorophenol	266	7.609	7.609	(0.983)	14067	4.00000	3.3079
115	Phenanthrene	178	7.759	7.759	(1.002)	67013	2.00000	1.9889
116	Anthracene	178	7.796	7.796	(1.007)	67965	2.00000	2.0114
119	Carbazole	167	7.924	7.924	(1.023)	59724	2.00000	1.9565
120	Di-n-Butylphthalate	149	8.191	8.191	(1.058)	74840	2.00000	1.9173
123	Fluoranthene	202	8.688	8.688	(1.122)	67163	2.00000	1.9747
124	Benzidine	184	8.800	8.800	(0.877)	28396	2.00000	2.0388
125	Pyrene	202	8.880	8.880	(0.885)	65464	2.00000	1.9669
131	Butylbenzylphthalate	149	9.463	9.463	(0.943)	32518	2.00000	1.9623
135	3,3'-Dichlorobenzidine	252	10.002	10.002	(0.997)	20479	2.00000	1.9139
136	Benzo(a)Anthracene	228	10.024	10.024	(0.999)	58987	2.00000	1.9523
137	Chrysene	228	10.061	10.061	(1.003)	57249	2.00000	1.9897
139	bis(2-ethylhexyl)Phthalate	149	10.061	10.061	(1.003)	44593	2.00000	1.8898
140	Di-n-octylphthalate	149	10.761	10.761	(0.929)	73147	2.00000	1.9026
141	Benzo(b)fluoranthene	252	11.178	11.178	(0.965)	56790	2.00000	1.7804
142	Benzo(k)fluoranthene	252	11.204	11.204	(0.967)	61092	2.00000	2.0302

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
143 7,12-dimethylbenz[a]anthracen	256	11.167	11.167	(0.964)	26939	2.00000	1.8791
146 Benzo(a)pyrene	252	11.525	11.525	(0.995)	45158	2.00000	1.9232
149 Indeno(1,2,3-cd)pyrene	276	12.796	12.796	(1.105)	56567	2.00000	1.9362
150 Dibenz(a,h)anthracene	278	12.823	12.823	(1.107)	45669	2.00000	1.8914
151 Benzo(g,h,i)perylene	276	13.154	13.154	(1.136)	45692	2.00000	1.8426
$ 154 Nitrobenzene-d5	82	4.682	4.682	(0.893)	29304	2.00000	2.0306
$ 155 2-Fluorobiphenyl	172	6.076	6.076	(0.921)	50390	2.00000	1.9272
$ 156 Terphenyl-d14	244	9.014	9.014	(0.898)	43028	2.00000	1.9571
$ 157 Phenol-d5	99	4.024	4.024	(0.948)	29958	2.00000	1.9633
$ 158 2-Fluorophenol	112	3.218	3.218	(0.758)	22227	2.00000	2.0061
$ 159 2,4,6-Tribromophenol	330	7.208	7.208	(0.931)	5227	2.00000	2.0296
$ 186 2-Chlorophenol-d4	132	4.078	4.078	(0.961)	26048	2.00000	1.9262
$ 187 1,2-Dichlorobenzene-d4	152	4.366	4.366	(1.029)	17539	2.00000	1.8944

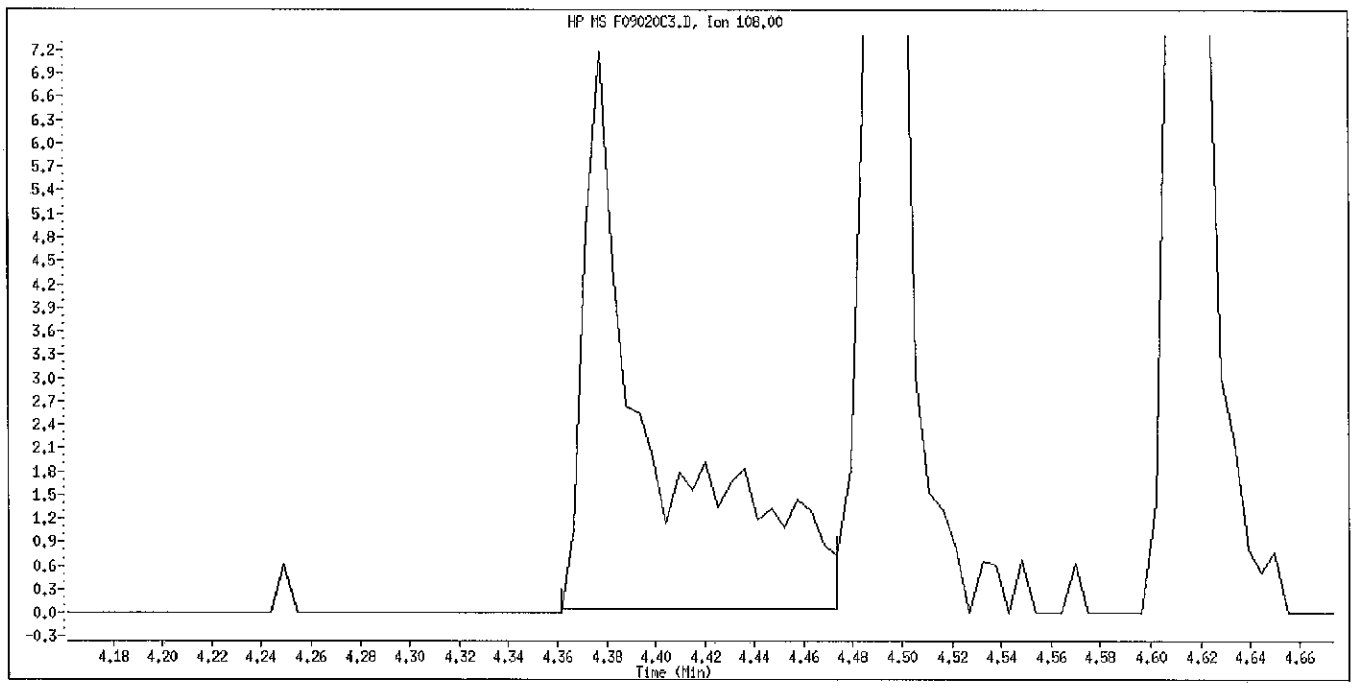
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: F09020C3.D
Inj. Date and Time: 02-SEP-2010 02:21
Instrument ID: 722.i
Client ID: SSTD2
Compound Name: 2-Methylphenol
CAS #: 95-48-7



Original Integration



Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

Data File: \\PITSVR06\d\chem\722.i\090210.b\F09020C1.D

Date : 02-SEP-2010 01:40

Client ID: SSTD4

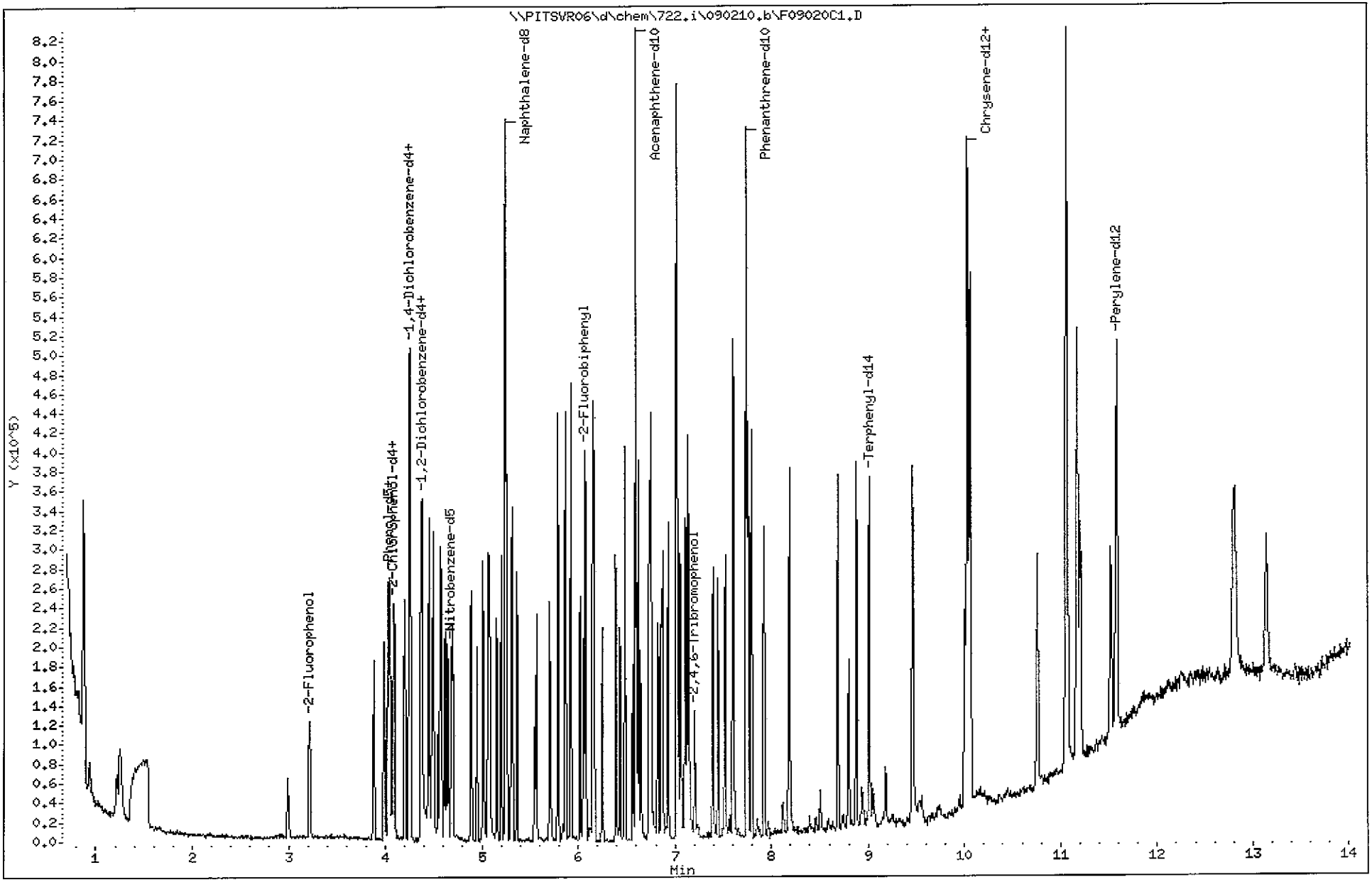
Sample Info: SSTD4 (2ug/ml) BNA0675-10

Column phase: Hp5-MS

Instrument: 722.i

Operator: 007062

Column diameter: 0.25



C0J210496 1177 (1001 - 1250)

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\d\chem\722.i\090210.b\F09020C1.D
Lab Smp Id: sstd4 Client Smp ID: SSTD4
Inj Date : 02-SEP-2010 01:40
Operator : 007062 Inst ID: 722.i
Smp Info : SSTD4 (2ug/ml) BNA0675-10
Misc Info : sstd4,090210.b,ll.m,2-root.sub,1,3
Comment :
Method : \\PITSVR06\d\chem\722.i\090210.b\LL.m
Meth Date : 02-Sep-2010 02:56 722.i Quant Type: ISTD
Cal Date : 02-SEP-2010 02:41 Cal File: F09020C4.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-root.sub
Target Version: 4.14
Processing Host: PITPC-503

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.242	4.242	(1.000)	69391	8.00000	
* 2 Naphthalene-d8	136	5.241	5.241	(1.000)	264796	8.00000	
* 3 Acenaphthene-d10	164	6.593	6.593	(1.000)	149928	8.00000	
* 4 Phenanthrene-d10	188	7.742	7.742	(1.000)	227951	8.00000	
* 5 Chrysene-d12	240	10.033	10.033	(1.000)	211363	8.00000	
* 6 Perylene-d12	264	11.577	11.577	(1.000)	187180	8.00000	
198 1,4-Dioxane	88	0.872	0.872	(0.206)	21295	4.00000	4.0830
220 Benzaldehyde	77	3.879	3.879	(0.914)	40058	4.00000	4.0386
10 N-Nitrosodimethylamine	74	1.219	1.219	(0.287)	30761	4.00000	4.1010
9 Pyridine	79	1.251	1.251	(0.295)	56967	4.00000	4.0787
16 Methyl methanesulfonate	80	2.992	2.992	(0.705)	25782	4.00000	4.1225
21 Aniline	93	3.986	3.986	(0.940)	70186	4.00000	3.9286
22 Phenol	94	4.034	4.034	(0.951)	65794	4.00000	4.0454(H)
23 bis(2-Chloroethyl)ether	93	4.050	4.050	(0.955)	46011	4.00000	3.8584
24 2-Chlorophenol	128	4.093	4.093	(0.965)	50496	4.00000	3.9532
26 1,3-Dichlorobenzene	146	4.194	4.194	(0.989)	58365	4.00000	3.9507
27 1,4-Dichlorobenzene	146	4.258	4.258	(1.004)	58938	4.00000	4.0225
28 1,2-Dichlorobenzene	146	4.376	4.376	(1.031)	55932	4.00000	3.9986
227 Indene	116	4.445	4.445	(1.048)	87574	4.00000	4.0466(A)
29 Benzyl Alcohol	108	4.381	4.381	(1.033)	21145	4.00000	2.6800(Q)
30 2-Methylphenol	108	4.494	4.494	(1.059)	46658	4.00000	4.5053
31 2,2'-oxybis(1-Chloropropane)	45	4.483	4.483	(1.057)	43915	4.00000	3.9742
37 Acetophenone	105	4.568	4.568	(1.077)	70140	4.00000	4.1123
32 N-Nitroso-di-n-propylamine	70	4.579	4.579	(1.079)	35656	4.00000	3.9823
192 4-Methylphenol	108	4.616	4.616	(1.088)	42911	4.00000	3.8358
34 Hexachloroethane	117	4.643	4.643	(1.094)	22091	4.00000	4.1743
35 Nitrobenzene	77	4.697	4.697	(0.896)	56500	4.00000	3.6512(Q)
36 N-Nitrosopyrrolidine	100	4.542	4.542	(1.071)	23924	4.00000	4.2121
41 Isophorone	82	4.889	4.889	(0.933)	95169	4.00000	4.0419
42 2-Nitrophenol	139	4.948	4.948	(0.944)	28118	4.00000	4.3027
43 2,4-Dimethylphenol	107	5.012	5.012	(0.956)	51872	4.00000	3.9228
44 bis(2-Chloroethoxy)methane	93	5.065	5.065	(0.966)	54764	4.00000	4.0409
48 2,4-Dichlorophenol	162	5.151	5.151	(0.983)	39057	4.00000	3.9722

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49	Benzoic Acid	122	5.081	5.081	(0.969)	60270	10.0000	11.480
50	1,2,4-Trichlorobenzene	180	5.199	5.199	(0.992)	44944	4.00000	3.9938
51	Naphthalene	128	5.257	5.257	(1.003)	144834	4.00000	3.9923
52	4-Chloroaniline	127	5.306	5.306	(1.012)	57053	4.00000	3.9184
54	2,6-Dichlorophenol	162	5.316	5.316	(1.014)	38604	4.00000	3.9046
56	Hexachlorobutadiene	225	5.364	5.364	(1.023)	26985	4.00000	4.0574
221	Caprolactam	113	5.551	5.551	(1.059)	13489	4.00000	4.1142
59	4-Chloro-3-Methylphenol	107	5.706	5.706	(1.089)	44148	4.00000	4.2489
62	2-Methylnaphthalene	142	5.792	5.792	(1.105)	96150	4.00000	4.0572
205	1-Methylnaphthalene	142	5.866	5.866	(1.119)	89585	4.00000	3.9926
64	Hexachlorocyclopentadiene	237	5.920	5.920	(0.898)	23495	4.00000	4.6198
65	1,2,4,5-Tetrachlorobenzene	216	5.925	5.925	(0.899)	41909	4.00000	4.0455
66	2,4,6-Trichlorophenol	196	6.021	6.021	(0.913)	27289	4.00000	3.9550
67	2,4,5-Trichlorophenol	196	6.053	6.053	(0.918)	29060	4.00000	4.0036
222	1,1'-Biphenyl	154	6.150	6.150	(0.933)	111299	4.00000	3.9418
70	2-Chloronaphthalene	162	6.166	6.166	(0.935)	91243	4.00000	4.1886
73	2-Nitroaniline	65	6.246	6.246	(0.947)	26665	4.00000	4.2094
76	Dimethylphthalate	163	6.390	6.390	(0.969)	95178	4.00000	3.8910
78	2,6-Dinitrotoluene	165	6.433	6.433	(0.976)	22526	4.00000	4.1307
79	Acenaphthylene	152	6.481	6.481	(0.983)	138944	4.00000	3.9903
81	3-Nitroaniline	138	6.561	6.561	(0.995)	23045	4.00000	4.1529
82	Acenaphthene	153	6.620	6.620	(1.004)	86315	4.00000	4.0321
83	2,4-Dinitrophenol	184	6.641	6.641	(1.007)	21244	10.0000	9.5580
85	4-Nitrophenol	109	6.732	6.732	(1.021)	35910	10.0000	9.9526
86	Dibenzofuran	168	6.753	6.753	(1.024)	123152	4.00000	4.0326
87	2,4-Dinitrotoluene	165	6.737	6.737	(1.022)	28752	4.00000	4.0802
91	2,3,5,6-Tetrachlorophenol	232	6.823	6.823	(1.035)	23985	4.00000	4.3425
88	2,3,4,6-Tetrachlorophenol	232	6.860	6.860	(1.041)	25270	4.00000	4.1939
92	2-Naphthylamine	143	6.871	6.871	(1.042)	80680	4.00000	3.9394
93	Diethylphthalate	149	6.930	6.930	(1.051)	94581	4.00000	3.9101
94	Fluorene	166	7.015	7.015	(1.064)	100039	4.00000	4.0648
95	4-Chlorophenyl-phenylether	204	7.015	7.015	(1.064)	47069	4.00000	3.9821
96	4-Nitroaniline	138	7.031	7.031	(1.066)	24629	4.00000	4.3606(Q)
98	4,6-Dinitro-2-methylphenol	198	7.058	7.058	(0.912)	34290	10.0000	11.204
99	N-Nitrosodiphenylamine	169	7.106	7.106	(0.918)	65552	4.00000	3.9916
100	1,2-Diphenylhydrazine	77	7.138	7.138	(0.922)	109000	4.00000	4.0837
106	4-Bromophenyl-phenylether	248	7.394	7.394	(0.955)	24918	4.00000	3.9933
107	Hexachlorobenzene	284	7.448	7.448	(0.962)	23723	4.00000	3.9933
223	Atrazine	200	7.523	7.523	(0.972)	26556	4.00000	4.1080
111	Pentachlorophenol	266	7.603	7.603	(0.982)	51874	10.0000	12.582
115	Phenanthrene	178	7.758	7.758	(1.002)	128573	4.00000	3.9016
116	Anthracene	178	7.795	7.795	(1.007)	132239	4.00000	4.0083
119	Carbazole	167	7.929	7.929	(1.024)	118842	4.00000	4.0017
120	Di-n-Butylphthalate	149	8.190	8.190	(1.058)	153271	4.00000	4.0833
123	Fluoranthene	202	8.687	8.687	(1.122)	131100	4.00000	3.9972
124	Benzidine	184	8.799	8.799	(0.877)	62732	4.00000	4.2863
125	Pyrene	202	8.879	8.879	(0.885)	133663	4.00000	3.8660
131	Butylbenzylphthalate	149	9.462	9.462	(0.943)	62497	4.00000	3.7006
135	3,3'-Dichlorobenzidine	252	10.001	10.001	(0.997)	41488	4.00000	3.8759
136	Benzo(a)Anthracene	228	10.023	10.023	(0.999)	122323	4.00000	3.9515
137	Chrysene	228	10.060	10.060	(1.003)	114691	4.00000	3.9378
139	bis(2-ethylhexyl)Phthalate	149	10.060	10.060	(1.003)	92892	4.00000	3.9063
140	Di-n-octylphthalate	149	10.760	10.760	(0.929)	150773	4.00000	3.9455
141	Benzo(b)fluoranthene	252	11.177	11.177	(0.965)	119270	4.00000	3.8524

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
142 Benzo(k)fluoranthene	252	11.203	11.203	(0.968)	121198	4.00000	4.1558
143 7,12-dimethylbenz[a]anthracen	256	11.171	11.171	(0.965)	54565	4.00000	3.9804
146 Benzo(a)pyrene	252	11.518	11.518	(0.995)	89158	4.00000	3.9070
149 Indeno(1,2,3-cd)pyrene	276	12.795	12.795	(1.105)	107978	4.00000	3.8883
150 Dibenz(a,h)anthracene	278	12.817	12.817	(1.107)	88102	4.00000	3.8922
151 Benzo(g,h,i)perylene	276	13.142	13.142	(1.135)	92270	4.00000	3.8925
$ 154 Nitrobenzene-d5	82	4.681	4.681	(0.893)	54617	4.00000	3.9009
$ 155 2-Fluorobiphenyl	172	6.075	6.075	(0.921)	100542	4.00000	4.0519
$ 156 Terphenyl-d14	244	9.013	9.013	(0.898)	90716	4.00000	4.0465
$ 157 Phenol-d5	99	4.023	4.023	(0.948)	56466	4.00000	3.9437
$ 158 2-Fluorophenol	112	3.217	3.217	(0.758)	39978	4.00000	3.8719
$ 159 2,4,6-Tribromophenol	330	7.207	7.207	(0.931)	9940	4.00000	4.0785
$ 186 2-Chlorophenol-d4	132	4.077	4.077	(0.961)	50617	4.00000	3.9990
$ 187 1,2-Dichlorobenzene-d4	152	4.365	4.365	(1.029)	34963	4.00000	4.0848

QC Flag Legend

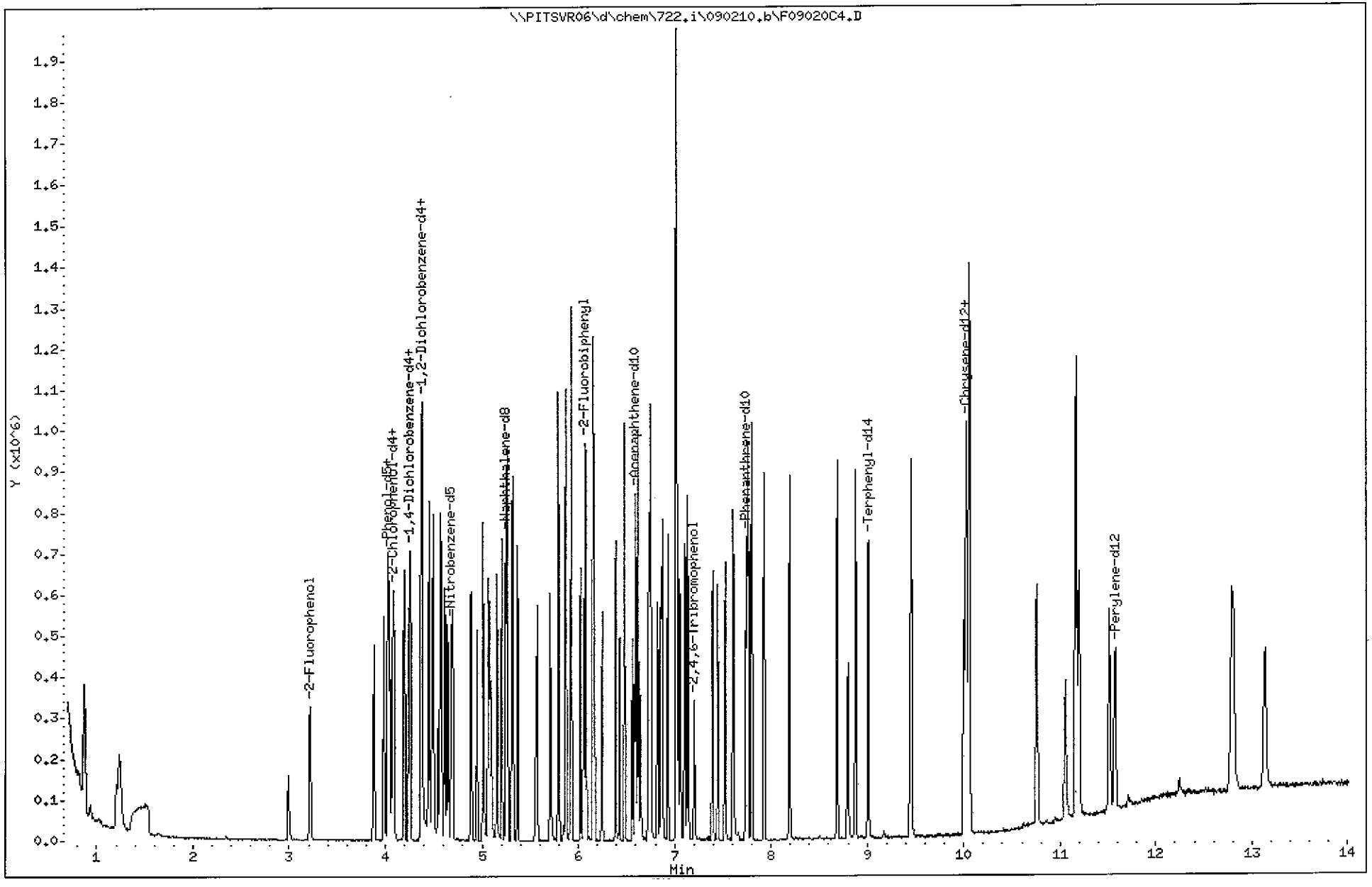
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File: \\PITSVR06\d\chem\722.i\090210.b\F09020C4.D
Date : 02-SEP-2010 02:41
Client ID: SSTD10
Sample Info: SSTD10 (5ug/ml) BNA0663-10

Instrument: 722.i

Operator: 007062
Column diameter: 0.25

Column phase: Hp5-MS



(1001 - 1250)
1181
C0J210496

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\d\chem\722.i\090210.b\F09020C4.D
Lab Smp Id: sstd10 Client Smp ID: SSTD10
Inj Date : 02-SEP-2010 02:41
Operator : 007062 Inst ID: 722.i
Smp Info : SSTD10 (5ug/ml) BNA0663-10
Misc Info : sstd10,090210.b,ll.m,2-root.sub,1,4
Comment :
Method : \\PITSVR06\d\chem\722.i\090210.b\LL.m
Meth Date : 02-Sep-2010 03:40 722.i Quant Type: ISTD
Cal Date : 02-SEP-2010 02:41 Cal File: F09020C4.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-root.sub
Target Version: 4.14

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.243	4.243	(1.000)	71757	8.00000	
* 2 Naphthalene-d8	136	5.242	5.242	(1.000)	276800	8.00000	
* 3 Acenaphthene-d10	164	6.594	6.594	(1.000)	157462	8.00000	
* 4 Phenanthrene-d10	188	7.737	7.737	(1.000)	236582	8.00000	
* 5 Chrysene-d12	240	10.029	10.029	(1.000)	213838	8.00000	
* 6 Perylene-d12	264	11.578	11.578	(1.000)	191883	8.00000	
198 1,4-Dioxane	88	0.862	0.862	(0.203)	37816	10.0000	9.1278
220 Benzaldehyde	77	3.880	3.880	(0.914)	100992	10.0000	11.076
10 N-Nitrosodimethylamine	74	1.209	1.209	(0.285)	82885	10.0000	10.700
9 Pyridine	79	1.241	1.241	(0.293)	144538	10.0000	10.120
16 Methyl methanesulfonate	80	2.993	2.993	(0.705)	67480	10.0000	10.622
21 Aniline	93	3.987	3.987	(0.940)	189784	10.0000	10.405
22 Phenol	94	4.035	4.035	(0.951)	165335	10.0000	10.153
23 bis(2-Chloroethyl)ether	93	4.051	4.051	(0.955)	121266	10.0000	10.169
24 2-Chlorophenol	128	4.088	4.088	(0.963)	130925	10.0000	10.101
26 1,3-Dichlorobenzene	146	4.195	4.195	(0.989)	152490	10.0000	10.151
27 1,4-Dichlorobenzene	146	4.259	4.259	(1.004)	153653	10.0000	10.261
28 1,2-Dichlorobenzene	146	4.377	4.377	(1.031)	143086	10.0000	10.032
227 Indene	116	4.446	4.446	(1.048)	224325	10.0000	10.201(A)
29 Benzyl Alcohol	108	4.377	4.377	(1.031)	73532	10.0000	10.023(MH)
30 2-Methylphenol	108	4.494	4.494	(1.059)	118822	10.0000	11.009
31 2,2'-oxybis(1-Chloropropane)	45	4.484	4.484	(1.057)	112558	10.0000	10.116
37 Acetophenone	105	4.569	4.569	(1.077)	176854	10.0000	10.354
32 N-Nitroso-di-n-propylamine	70	4.580	4.580	(1.079)	92185	10.0000	10.315
192 4-Methylphenol	108	4.612	4.612	(1.087)	117702	10.0000	10.516
34 Hexachloroethane	117	4.644	4.644	(1.094)	56714	10.0000	10.211
35 Nitrobenzene	77	4.697	4.697	(0.896)	143884	10.0000	12.205(H)
36 N-Nitrosopyrrolidine	100	4.542	4.542	(1.070)	62097	10.0000	10.793
41 Isophorone	82	4.890	4.890	(0.933)	236311	10.0000	9.8724
42 2-Nitrophenol	139	4.948	4.948	(0.944)	73527	10.0000	10.489
43 2,4-Dimethylphenol	107	5.012	5.012	(0.956)	136992	10.0000	10.212
44 bis(2-Chloroethoxy)methane	93	5.066	5.066	(0.966)	138098	10.0000	9.9437
48 2,4-Dichlorophenol	162	5.151	5.151	(0.983)	104371	10.0000	10.099
49 Benzoic Acid	122	5.087	5.087	(0.970)	124409	20.0000	23.516

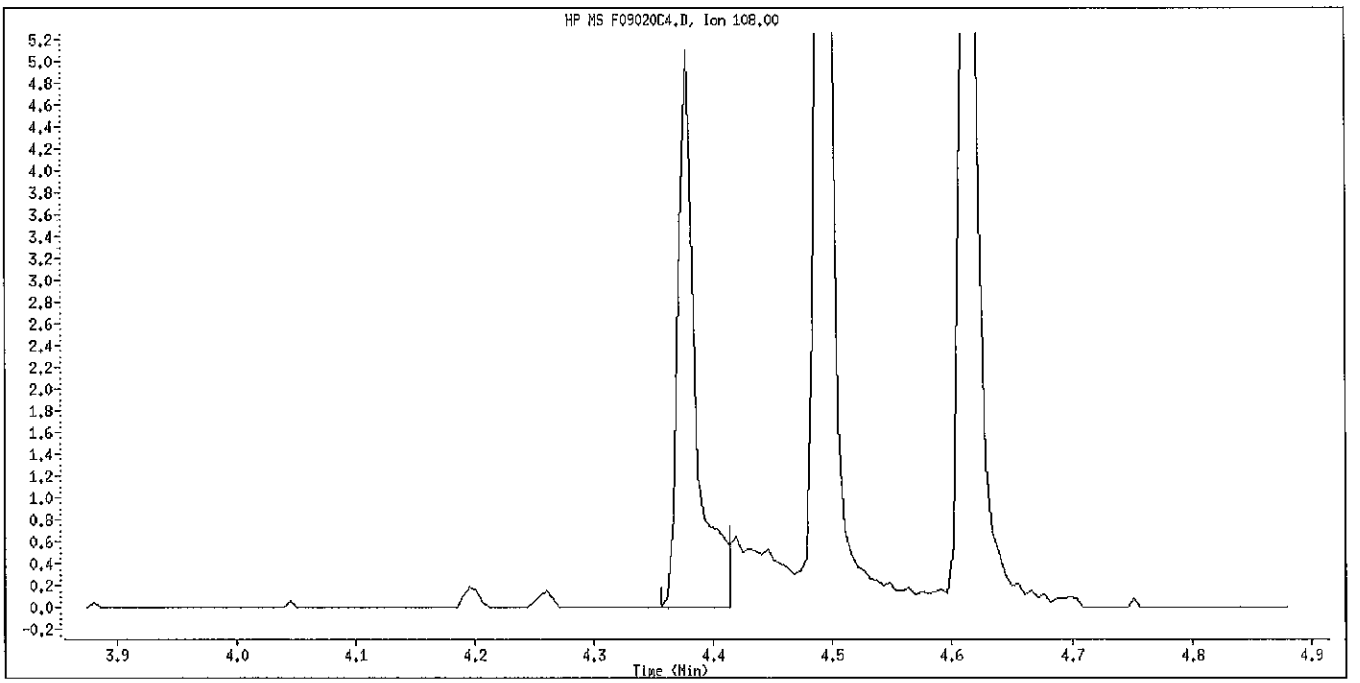
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
50	1,2,4-Trichlorobenzene	180	5.199	5.199	(0.992)	114823	10.0000	9.7850
51	Naphthalene	128	5.258	5.258	(1.003)	368675	10.0000	9.9381
52	4-Chloroaniline	127	5.306	5.306	(1.012)	156883	10.0000	10.319
54	2,6-Dichlorophenol	162	5.317	5.317	(1.014)	105521	10.0000	10.316
56	Hexachlorobutadiene	225	5.365	5.365	(1.023)	67944	10.0000	9.7590
221	Caprolactam	113	5.557	5.557	(1.060)	35075	10.0000	10.005
59	4-Chloro-3-Methylphenol	107	5.707	5.707	(1.089)	108353	10.0000	10.141
62	2-Methylnaphthalene	142	5.792	5.792	(1.105)	243244	10.0000	10.028
205	1-Methylnaphthalene	142	5.867	5.867	(1.119)	237092	10.0000	10.251
64	Hexachlorocyclopentadiene	237	5.926	5.926	(0.899)	63856	10.0000	9.6053
65	1,2,4,5-Tetrachlorobenzene	216	5.926	5.926	(0.899)	107482	10.0000	9.5478
66	2,4,6-Trichlorophenol	196	6.022	6.022	(0.913)	71986	10.0000	9.7475
67	2,4,5-Trichlorophenol	196	6.054	6.054	(0.918)	78297	10.0000	10.084
222	1,1'-Biphenyl	154	6.156	6.156	(0.934)	291940	10.0000	9.7361
70	2-Chloronaphthalene	162	6.166	6.166	(0.935)	223158	10.0000	9.6926
73	2-Nitroaniline	65	6.246	6.246	(0.947)	67724	10.0000	10.064
76	Dimethylphthalate	163	6.391	6.391	(0.969)	244574	10.0000	9.6190
78	2,6-Dinitrotoluene	165	6.433	6.433	(0.976)	57615	10.0000	9.8748
79	Acenaphthylene	152	6.482	6.482	(0.983)	358839	10.0000	9.8579
81	3-Nitroaniline	138	6.562	6.562	(0.995)	59546	10.0000	9.8562
82	Acenaphthene	153	6.620	6.620	(1.004)	222184	10.0000	9.8202
83	2,4-Dinitrophenol	184	6.642	6.642	(1.007)	48750	20.0000	17.251
85	4-Nitrophenol	109	6.727	6.727	(1.020)	76147	20.0000	19.008
86	Dibenzofuran	168	6.754	6.754	(1.024)	307981	10.0000	9.6728
87	2,4-Dinitrotoluene	165	6.743	6.743	(1.023)	74906	10.0000	9.8057
91	2,3,5,6-Tetrachlorophenol	232	6.823	6.823	(1.035)	56736	10.0000	9.4315
88	2,3,4,6-Tetrachlorophenol	232	6.855	6.855	(1.040)	58565	10.0000	9.3006
92	2-Naphthylamine	143	6.872	6.872	(1.042)	210180	10.0000	10.127
93	Diethylphthalate	149	6.930	6.930	(1.051)	242450	10.0000	9.6937
94	Fluorene	166	7.016	7.016	(1.064)	246824	10.0000	9.4996
95	4-Chlorophenyl-phenylether	204	7.016	7.016	(1.064)	118375	10.0000	9.3973
96	4-Nitroaniline	138	6.562	6.562	(0.995)	59546	10.0000	9.7602
98	4,6-Dinitro-2-methylphenol	198	7.058	7.058	(0.912)	78287	20.0000	21.062
99	N-Nitrosodiphenylamine	169	7.107	7.107	(0.919)	161752	10.0000	9.6207
100	1,2-Diphenylhydrazine	77	7.139	7.139	(0.923)	266443	10.0000	9.8195
106	4-Bromophenyl-phenylether	248	7.395	7.395	(0.956)	64154	10.0000	9.7925
107	Hexachlorobenzene	284	7.448	7.448	(0.963)	62240	10.0000	9.9785
223	Atrazine	200	7.523	7.523	(0.972)	65005	10.0000	9.5882
111	Pentachlorophenol	266	7.603	7.603	(0.983)	75444	20.0000	17.749
115	Phenanthrene	178	7.758	7.758	(1.003)	320324	10.0000	9.5113
116	Anthracene	178	7.796	7.796	(1.008)	332841	10.0000	9.8549
119	Carbazole	167	7.924	7.924	(1.024)	301782	10.0000	9.8906
120	Di-n-Butylphthalate	149	8.191	8.191	(1.059)	381097	10.0000	9.7676
123	Fluoranthene	202	8.688	8.688	(1.123)	330008	10.0000	9.7075
124	Benzidine	184	8.800	8.800	(0.877)	154766	10.0000	10.997
125	Pyrene	202	8.880	8.880	(0.885)	342720	10.0000	10.190
131	Butylbenzylphthalate	149	9.462	9.462	(0.944)	164561	10.0000	9.8271
135	3,3'-Dichlorobenzidine	252	9.997	9.997	(0.997)	110367	10.0000	10.207
136	Benzo(a)Anthracene	228	10.018	10.018	(0.999)	303896	10.0000	9.9536
137	Chrysene	228	10.055	10.055	(1.003)	284645	10.0000	9.7902
139	bis(2-ethylhexyl)Phthalate	149	10.055	10.055	(1.003)	234266	10.0000	9.8247
140	Di-n-octylphthalate	149	10.755	10.755	(0.929)	377654	10.0000	9.8466
141	Benzo(b)fluoranthene	252	11.172	11.172	(0.965)	328622	10.0000	10.327
142	Benzo(k)fluoranthene	252	11.199	11.199	(0.967)	279635	10.0000	9.3151

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
143 7,12-dimethylbenz[a]anthracen	256	11.161	11.161	(0.964)	142204	10.0000	9.9433
146 Benzo(a)pyrene	252	11.514	11.514	(0.994)	231547	10.0000	9.8850
149 Indeno(1,2,3-cd)pyrene	276	12.791	12.791	(1.105)	279604	10.0000	9.5933
150 Dibenz(a,h)anthracene	278	12.812	12.812	(1.107)	231906	10.0000	9.6278
151 Benzo(g,h,i)perylene	276	13.138	13.138	(1.135)	230413	10.0000	9.3141
$ 154 Nitrobenzene-d5	82	4.681	4.681	(0.893)	140589	10.0000	9.8231
$ 155 2-Fluorobiphenyl	172	6.081	6.081	(0.922)	253774	10.0000	9.7271
$ 156 Terphenyl-d14	244	9.014	9.014	(0.899)	217542	10.0000	9.7917
$ 157 Phenol-d5	99	4.024	4.024	(0.948)	151891	10.0000	10.440
$ 158 2-Fluorophenol	112	3.217	3.217	(0.758)	104716	10.0000	9.9121
$ 159 2,4,6-Tribromophenol	330	7.208	7.208	(0.932)	24816	10.0000	9.6406
$ 186 2-Chlorophenol-d4	132	4.078	4.078	(0.961)	128204	10.0000	9.9431
$ 187 1,2-Dichlorobenzene-d4	152	4.366	4.366	(1.029)	89057	10.0000	10.088

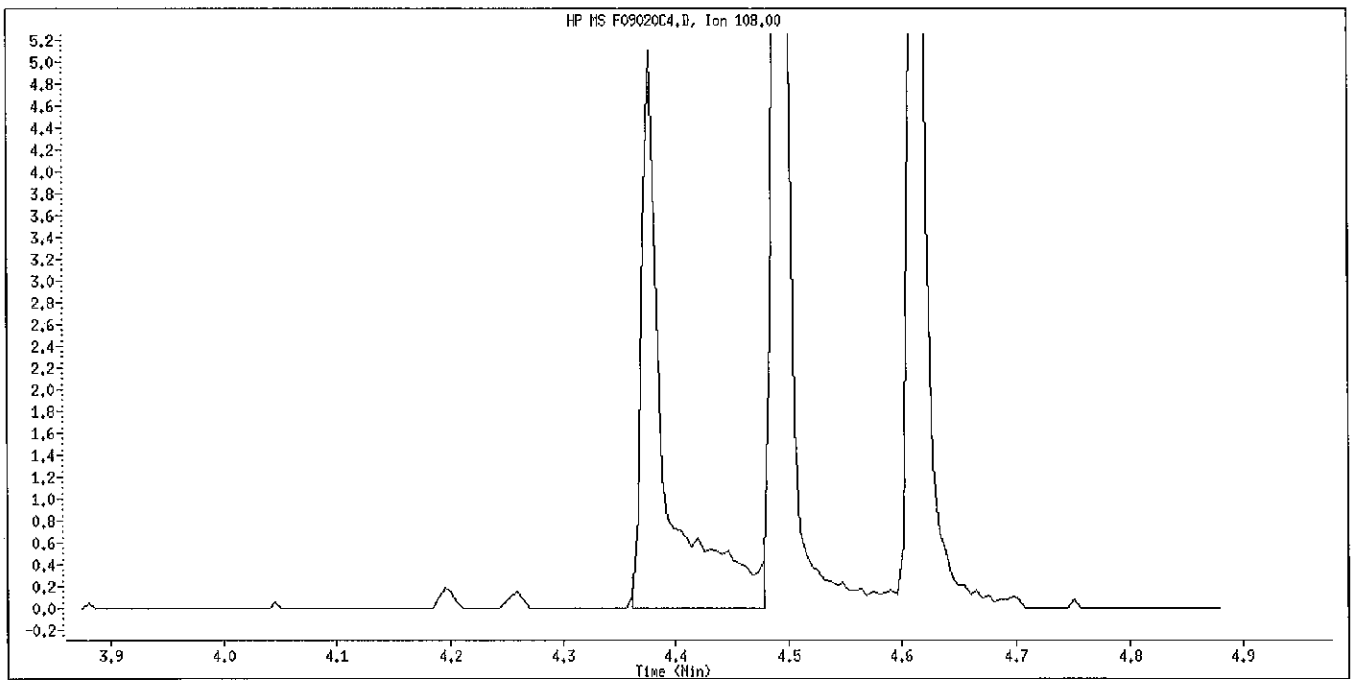
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: F09020C4.D
Inj. Date and Time: 02-SEP-2010 02:41
Instrument ID: 722.i
Client ID: SSTD10
Compound Name: Benzyl Alcohol
CAS #: 100-51-6



Original Integration



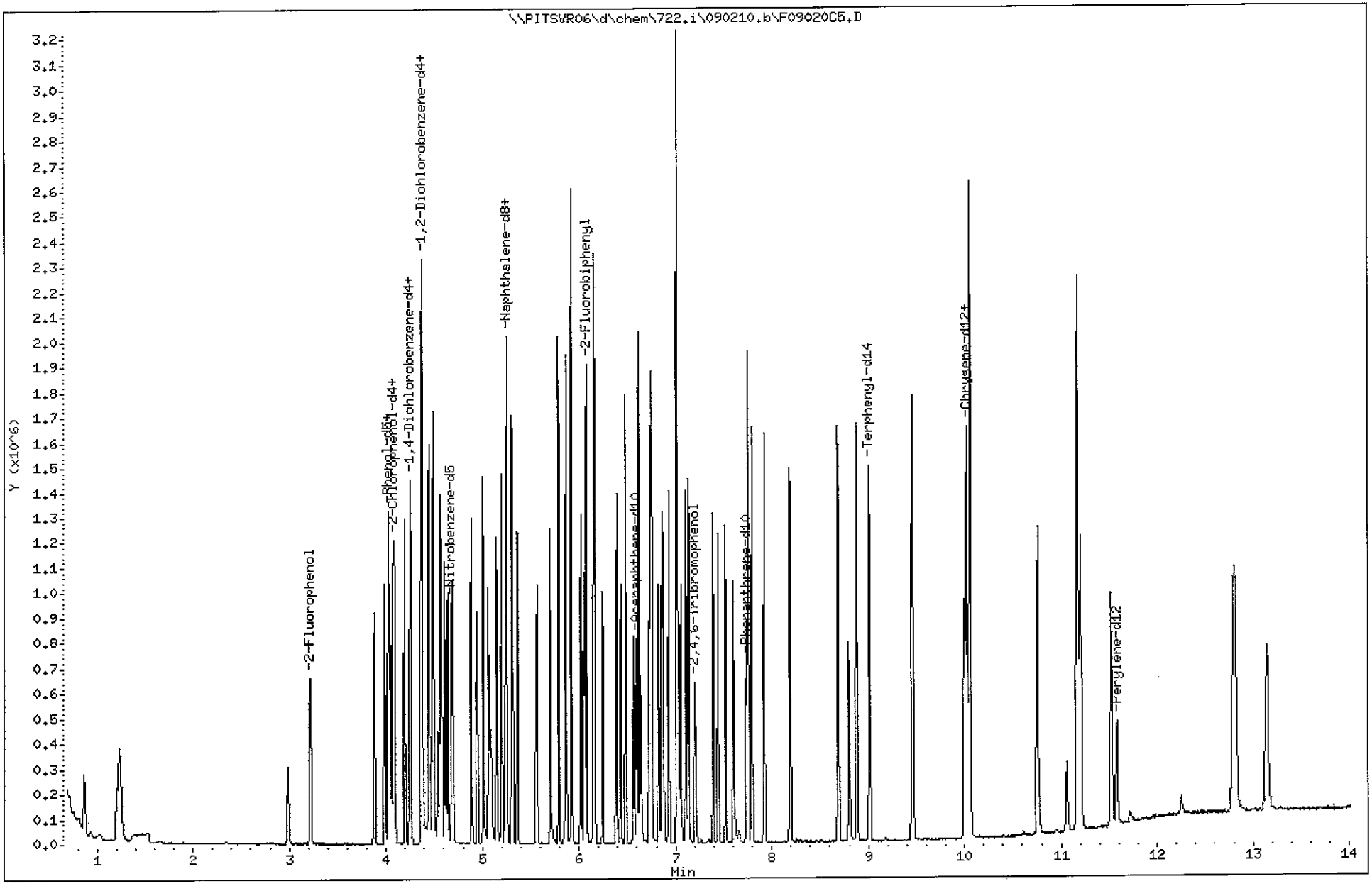
Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

Data File: \\PITSVR06\d\chem\722.i\090210.b\F09020C5.D
Date : 02-SEP-2010 03:01
Client ID: SSTD20
Sample Info: SSTD20 (10ug/ml) BNA0664-10

Instrument: 722.i
Operator: 007062
Column diameter: 0.25

Column phase: Hp5-MS



Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\d\chem\722.i\090210.b\F09020C5.D
Lab Smp Id: sstd20 Client Smp ID: SSTD20
Inj Date : 02-SEP-2010 03:01
Operator : 007062 Inst ID: 722.i
Smp Info : SSTD20 (10ug/ml) BNA0664-10
Misc Info : sstd20,090210.b,ll.m,2-root.sub,1,5
Comment :
Method : \\PITSVR06\d\chem\722.i\090210.b\LL.m
Meth Date : 02-Sep-2010 03:49 722.i Quant Type: ISTD
Cal Date : 02-SEP-2010 03:41 Cal File: F09020C7.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-root.sub
Target Version: 4.14
Processing Host: PITPC-503

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.245	4.245	(1.000)	73320	8.00000	(Q)
* 2	Naphthalene-d8	136	5.239	5.239	(1.000)	271274	8.00000	
* 3	Acenaphthene-d10	164	6.591	6.591	(1.000)	144913	8.00000	
* 4	Phenanthrene-d10	188	7.739	7.739	(1.000)	220587	8.00000	
* 5	Chrysene-d12	240	10.031	10.031	(1.000)	210505	8.00000	
* 6	Perylene-d12	264	11.580	11.580	(1.000)	188633	8.00000	
198	1,4-Dioxane	88	0.864	0.864	(0.204)	59506	20.0000	14.057
220	Benzaldehyde	77	3.882	3.882	(0.914)	192891	20.0000	20.705
10	N-Nitrosodimethylamine	74	1.206	1.206	(0.284)	160434	20.0000	20.271
9	Pyridine	79	1.238	1.238	(0.292)	288747	20.0000	19.785
16	Methyl methanesulfonate	80	2.990	2.990	(0.704)	127124	20.0000	19.584
21	Aniline	93	3.984	3.984	(0.938)	369192	20.0000	19.810
22	Phenol	94	4.032	4.032	(0.950)	320669	20.0000	19.271
23	bis(2-Chloroethyl)ether	93	4.048	4.048	(0.953)	233853	20.0000	19.192
24	2-Chlorophenol	128	4.091	4.091	(0.964)	261122	20.0000	19.716
26	1,3-Dichlorobenzene	146	4.197	4.197	(0.989)	298708	20.0000	19.461
27	1,4-Dichlorobenzene	146	4.256	4.256	(1.002)	304911	20.0000	19.928
28	1,2-Dichlorobenzene	146	4.374	4.374	(1.030)	285720	20.0000	19.606
227	Indene	116	4.448	4.448	(1.048)	441956	20.0000	19.670(A)
29	Benzyl Alcohol	108	4.374	4.374	(1.030)	110159	20.0000	14.696
30	2-Methylphenol	108	4.491	4.491	(1.058)	228626	20.0000	20.732
31	2,2'-oxybis(1-Chloropropane)	45	4.481	4.481	(1.055)	218671	20.0000	19.233
37	Acetophenone	105	4.566	4.566	(1.075)	333690	20.0000	19.119
32	N-Nitroso-di-n-propylamine	70	4.577	4.577	(1.078)	177751	20.0000	19.466
192	4-Methylphenol	108	4.614	4.614	(1.087)	221589	20.0000	19.375
34	Hexachloroethane	117	4.646	4.646	(1.094)	115834	20.0000	20.410
35	Nitrobenzene	77	4.694	4.694	(0.896)	271054	20.0000	19.051(H)
36	N-Nitrosopyrrolidine	100	4.545	4.545	(1.070)	113674	20.0000	19.336
41	Isophorone	82	4.887	4.887	(0.933)	455023	20.0000	19.397
42	2-Nitrophenol	139	4.945	4.945	(0.944)	138664	20.0000	20.184
43	2,4-Dimethylphenol	107	5.009	5.009	(0.956)	245596	20.0000	18.680
44	bis(2-Chloroethoxy)methane	93	5.063	5.063	(0.966)	260814	20.0000	19.162
48	2,4-Dichlorophenol	162	5.148	5.148	(0.983)	202608	20.0000	20.004

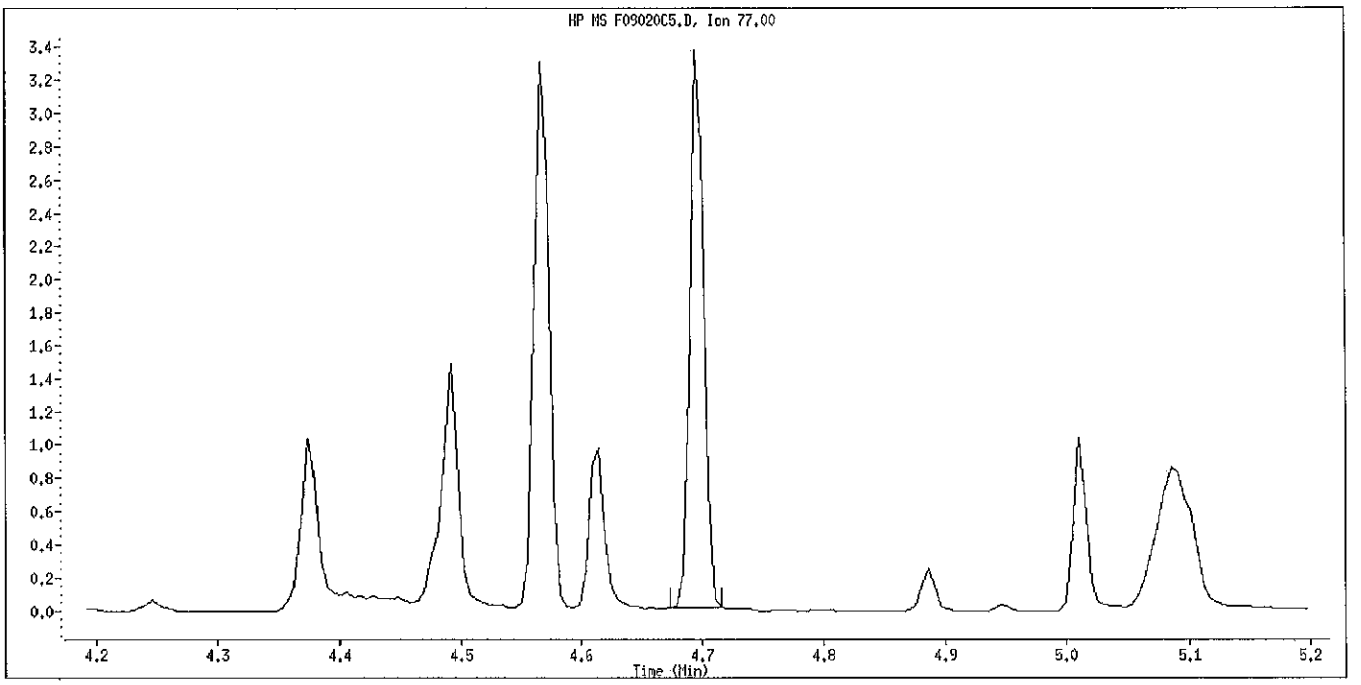
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49	Benzoic Acid	122	5.084	5.084	(0.970)	168377	30.0000	31.115(Q)
50	1,2,4-Trichlorobenzene	180	5.202	5.202	(0.993)	223496	20.0000	19.434
51	Naphthalene	128	5.255	5.255	(1.003)	706574	20.0000	19.434
52	4-Chloroaniline	127	5.309	5.309	(1.013)	292536	20.0000	19.634
54	2,6-Dichlorophenol	162	5.314	5.314	(1.014)	192761	20.0000	19.228
56	Hexachlorobutadiene	225	5.367	5.367	(1.024)	134986	20.0000	19.783
221	Caprolactam	113	5.560	5.560	(1.061)	68737	20.0000	20.006
59	4-Chloro-3-Methylphenol	107	5.704	5.704	(1.089)	204933	20.0000	19.571
62	2-Methylnaphthalene	142	5.789	5.789	(1.105)	457416	20.0000	19.242
205	1-Methylnaphthalene	142	5.864	5.864	(1.119)	444780	20.0000	19.623
64	Hexachlorocyclopentadiene	237	5.923	5.923	(0.899)	138822	20.0000	22.690
65	1,2,4,5-Tetrachlorobenzene	216	5.923	5.923	(0.899)	204665	20.0000	19.755
66	2,4,6-Trichlorophenol	196	6.019	6.019	(0.913)	135569	20.0000	19.947
67	2,4,5-Trichlorophenol	196	6.051	6.051	(0.918)	140104	20.0000	19.607
222	1,1'-Biphenyl	154	6.153	6.153	(0.934)	554129	20.0000	20.080
70	2-Chloronaphthalene	162	6.163	6.163	(0.935)	421325	20.0000	19.884
73	2-Nitroaniline	65	6.243	6.243	(0.947)	123180	20.0000	19.890
76	Dimethylphthalate	163	6.388	6.388	(0.969)	453376	20.0000	19.375
78	2,6-Dinitrotoluene	165	6.430	6.430	(0.976)	105462	20.0000	19.641
79	Acenaphthylene	152	6.478	6.478	(0.983)	660797	20.0000	19.725
81	3-Nitroaniline	138	6.564	6.564	(0.996)	112057	20.0000	20.154
82	Acenaphthene	153	6.617	6.617	(1.004)	415623	20.0000	19.961
83	2,4-Dinitrophenol	184	6.639	6.639	(1.007)	78328	30.0000	30.118
85	4-Nitrophenol	109	6.724	6.724	(1.020)	115928	30.0000	31.445(Q)
86	Dibenzofuran	168	6.751	6.751	(1.024)	575033	20.0000	19.624
87	2,4-Dinitrotoluene	165	6.740	6.740	(1.023)	141394	20.0000	20.112
91	2,3,5,6-Tetrachlorophenol	232	6.820	6.820	(1.035)	108763	20.0000	19.646
88	2,3,4,6-Tetrachlorophenol	232	6.858	6.858	(1.041)	111437	20.0000	19.230
92	2-Naphthylamine	143	6.874	6.874	(1.043)	375682	20.0000	19.668
93	Diethylphthalate	149	6.933	6.933	(1.052)	442118	20.0000	19.208
94	Fluorene	166	7.013	7.013	(1.064)	466884	20.0000	19.525
95	4-Chlorophenyl-phenylether	204	7.018	7.018	(1.065)	223217	20.0000	19.255
96	4-Nitroaniline	138	6.564	6.564	(0.996)	112057	20.0000	19.958
98	4,6-Dinitro-2-methylphenol	198	7.055	7.055	(0.912)	121274	30.0000	34.992
99	N-Nitrosodiphenylamine	169	7.109	7.109	(0.919)	298039	20.0000	19.012
100	1,2-Diphenylhydrazine	77	7.136	7.136	(0.922)	493998	20.0000	19.526
106	4-Bromophenyl-phenylether	248	7.392	7.392	(0.955)	120682	20.0000	19.757
107	Hexachlorobenzene	284	7.445	7.445	(0.962)	114530	20.0000	19.693
223	Atrazine	200	7.520	7.520	(0.972)	126728	20.0000	20.048
111	Pentachlorophenol	266	7.606	7.606	(0.983)	113574	30.0000	28.657
115	Phenanthrene	178	7.755	7.755	(1.002)	611846	20.0000	19.485
116	Anthracene	178	7.798	7.798	(1.008)	595577	20.0000	18.913
119	Carbazole	167	7.926	7.926	(1.024)	563782	20.0000	19.817
120	Di-n-Butylphthalate	149	8.188	8.188	(1.058)	722803	20.0000	19.869
123	Fluoranthene	202	8.685	8.685	(1.122)	621777	20.0000	19.616
124	Benzidine	184	8.797	8.797	(0.877)	289471	20.0000	20.894
125	Pyrene	202	8.877	8.877	(0.885)	631030	20.0000	19.059
131	Butylbenzylphthalate	149	9.459	9.459	(0.943)	324422	20.0000	19.680
135	3,3'-Dichlorobenzidine	252	9.999	9.999	(0.997)	211155	20.0000	19.838
136	Benzo(a)Anthracene	228	10.020	10.020	(0.999)	578869	20.0000	19.260
137	Chrysene	228	10.058	10.058	(1.003)	562914	20.0000	19.668
139	bis(2-ethylhexyl)Phthalate	149	10.058	10.058	(1.003)	447319	20.0000	19.057
140	Di-n-octylphthalate	149	10.758	10.758	(0.929)	736326	20.0000	19.530
141	Benzo(b)fluoranthene	252	11.174	11.174	(0.965)	653105	20.0000	20.877

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
142 Benzo(k)fluoranthene	252	11.201	11.201	(0.967)	560461	20.0000	18.991
143 7,12-dimethylbenz[a]anthracen	256	11.169	11.169	(0.964)	278987	20.0000	19.844
146 Benzo(a)pyrene	252	11.521	11.521	(0.995)	448001	20.0000	19.455
149 Indeno(1,2,3-cd)pyrene	276	12.793	12.793	(1.105)	567609	20.0000	19.810
150 Dibenz(a,h)anthracene	278	12.814	12.814	(1.107)	478580	20.0000	20.211
151 Benzo(g,h,i)perylene	276	13.151	13.151	(1.136)	487073	20.0000	20.028
$ 154 Nitrobenzene-d5	82	4.684	4.684	(0.894)	270263	20.0000	19.268
$ 155 2-Fluorobiphenyl	172	6.078	6.078	(0.922)	481309	20.0000	20.046
$ 156 Terphenyl-d14	244	9.011	9.011	(0.898)	425589	20.0000	19.459
$ 157 Phenol-d5	99	4.021	4.021	(0.947)	290283	20.0000	19.526
$ 158 2-Fluorophenol	112	3.214	3.214	(0.757)	211464	20.0000	19.590
$ 159 2,4,6-Tribromophenol	330	7.205	7.205	(0.931)	47672	20.0000	19.863
$ 186 2-Chlorophenol-d4	132	4.075	4.075	(0.960)	259547	20.0000	19.700
$ 187 1,2-Dichlorobenzene-d4	152	4.363	4.363	(1.028)	176779	20.0000	19.599

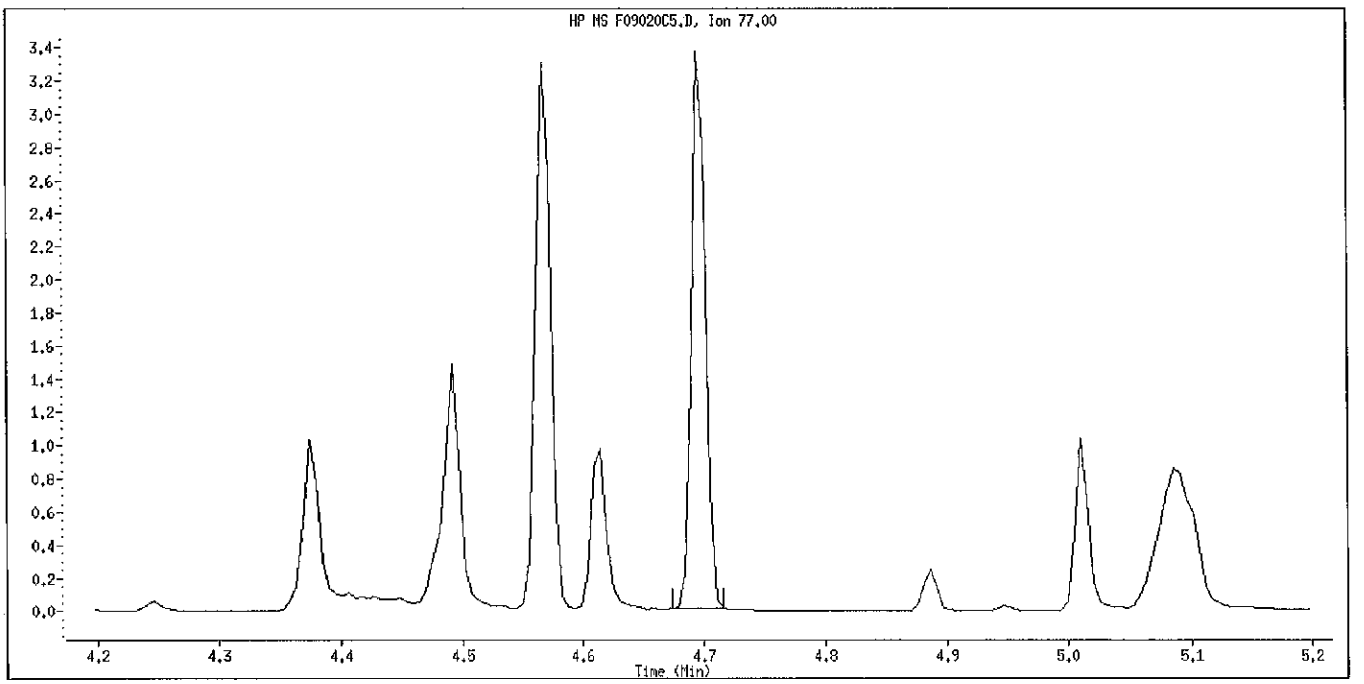
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
H - Operator selected an alternate compound hit.

Data File Name: F09020C5.D
Inj. Date and Time: 02-SEP-2010 03:01
Instrument ID: 722.i
Client ID: SSTD20
Compound Name: Nitrobenzene
CAS #: 98-95-3



Original Integration



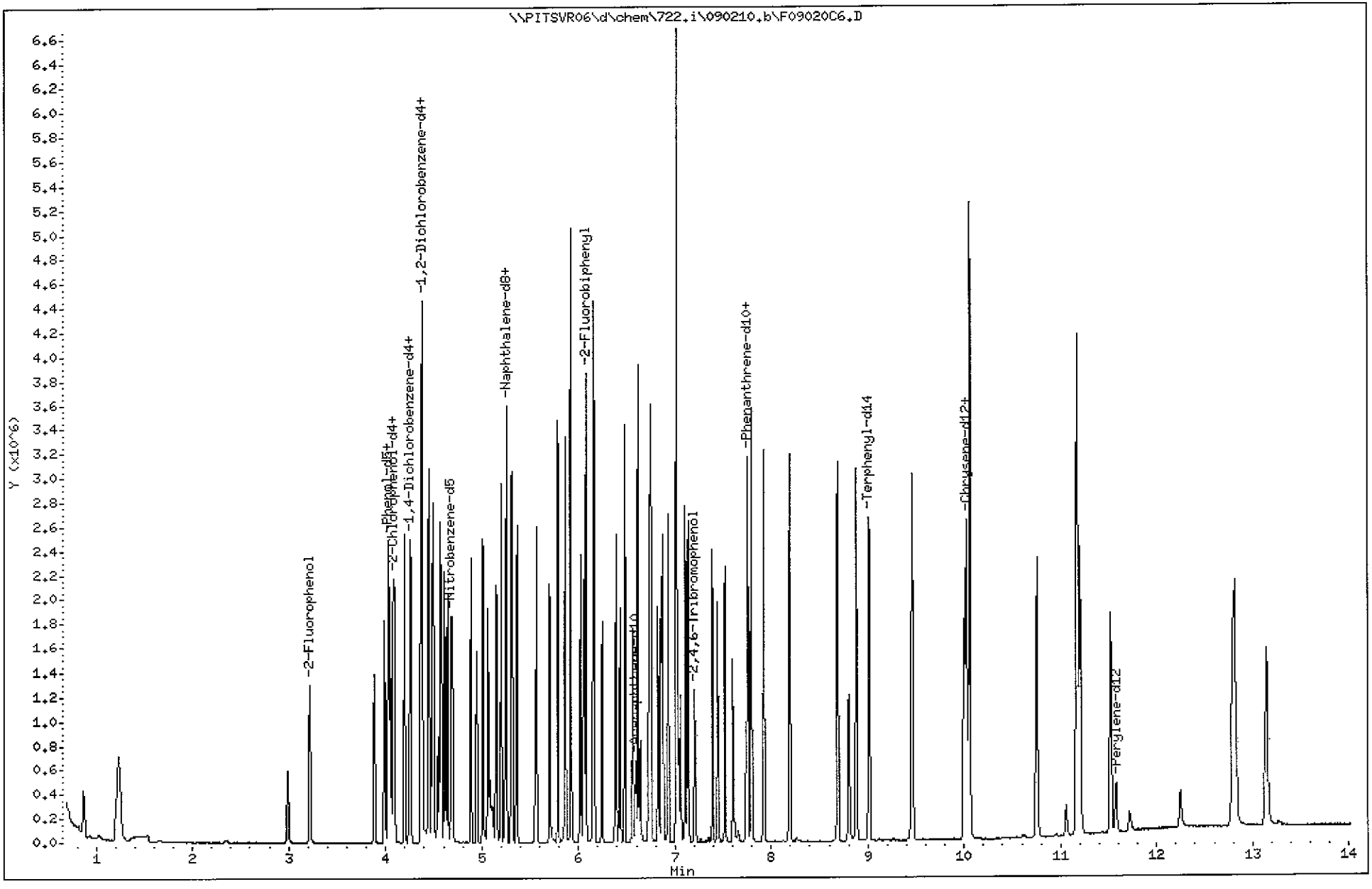
Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Unknown

Data File: \\PITSVR06\d\chem\722.i\090210.b\F09020C6.D
Date : 02-SEP-2010 03:21
Client ID: SSTD40
Sample Info: SSTD40 (20ug/ml) BNA0665-10

Instrument: 722.i
Operator: 007062
Column diameter: 0.25

Column phase: Hp5-MS



Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\d\chem\722.i\090210.b\F09020C6.D
Lab Smp Id: sstd40 Client Smp ID: SSTD40
Inj Date : 02-SEP-2010 03:21
Operator : 007062 Inst ID: 722.i
Smp Info : SSTD40 (20ug/ml) BNA0665-10
Misc Info : sstd40,090210.b,ll.m,2-root.sub,1,6
Comment :
Method : \\PITSVR06\d\chem\722.i\090210.b\LL.m
Meth Date : 02-Sep-2010 03:49 722.i Quant Type: ISTD
Cal Date : 02-SEP-2010 03:01 Cal File: F09020C5.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-root.sub
Target Version: 4.14
Processing Host: PITPC-503

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.244	4.244	(1.000)	68523	8.00000	(Q)
* 2	Naphthalene-d8	136	5.238	5.238	(1.000)	248524	8.00000	
* 3	Acenaphthene-d10	164	6.590	6.590	(1.000)	132213	8.00000	
* 4	Phenanthrene-d10	188	7.738	7.738	(1.000)	204306	8.00000	
* 5	Chrysene-d12	240	10.030	10.030	(1.000)	199570	8.00000	
* 6	Perylene-d12	264	11.579	11.579	(1.000)	182033	8.00000	
198	1,4-Dioxane	88	0.868	0.868	(0.205)	111558	40.0000	28.198
220	Benzaldehyde	77	3.881	3.881	(0.914)	283789	40.0000	32.594
10	N-Nitrosodimethylamine	74	1.210	1.210	(0.285)	294899	40.0000	39.869
9	Pyridine	79	1.237	1.237	(0.291)	537436	40.0000	39.404
16	Methyl methanesulfonate	80	2.989	2.989	(0.704)	239965	40.0000	39.555
21	Aniline	93	3.988	3.988	(0.940)	689651	40.0000	39.595
22	Phenol	94	4.031	4.031	(0.950)	597706	40.0000	38.435
23	bis(2-Chloroethyl)ether	93	4.052	4.052	(0.955)	444078	40.0000	38.996
24	2-Chlorophenol	128	4.090	4.090	(0.964)	479427	40.0000	38.733
26	1,3-Dichlorobenzene	146	4.196	4.196	(0.989)	563950	40.0000	39.314
27	1,4-Dichlorobenzene	146	4.255	4.255	(1.003)	559781	40.0000	39.147
28	1,2-Dichlorobenzene	146	4.378	4.378	(1.031)	537262	40.0000	39.448
227	Indene	116	4.447	4.447	(1.048)	824598	40.0000	39.269(A)
29	Benzyl Alcohol	108	4.378	4.378	(1.031)	265332	40.0000	37.874
30	2-Methylphenol	108	4.496	4.496	(1.059)	406536	40.0000	39.445
31	2,2'-oxybis(1-Chloropropane)	45	4.485	4.485	(1.057)	409424	40.0000	38.532
37	Acetophenone	105	4.570	4.570	(1.077)	629459	40.0000	38.590
32	N-Nitroso-di-n-propylamine	70	4.581	4.581	(1.079)	323126	40.0000	37.864
192	4-Methylphenol	108	4.613	4.613	(1.087)	409518	40.0000	38.314
34	Hexachloroethane	117	4.645	4.645	(1.094)	218356	40.0000	41.168
35	Nitrobenzene	77	4.699	4.699	(0.897)	499223	40.0000	38.299
36	N-Nitrosopyrrolidine	100	4.544	4.544	(1.070)	214911	40.0000	39.115
41	Isophorone	82	4.885	4.885	(0.933)	823907	40.0000	38.337
42	2-Nitrophenol	139	4.950	4.950	(0.945)	264389	40.0000	42.008
43	2,4-Dimethylphenol	107	5.014	5.014	(0.957)	474126	40.0000	39.363
44	bis(2-Chloroethoxy)methane	93	5.067	5.067	(0.967)	489619	40.0000	39.266
48	2,4-Dichlorophenol	162	5.153	5.153	(0.984)	375239	40.0000	40.441

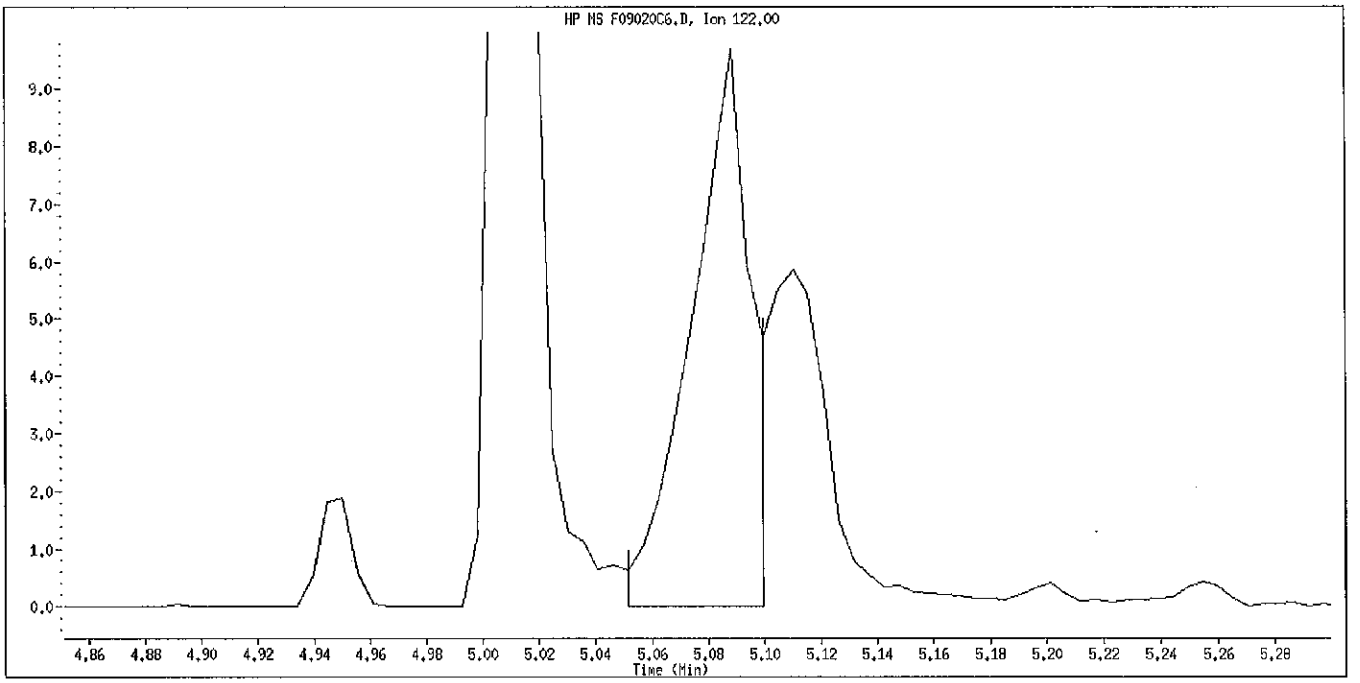
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
49 Benzoic Acid	122	5.088	5.088	(0.971)	195777	40.0000	39.490(QM)
50 1,2,4-Trichlorobenzene	180	5.201	5.201	(0.993)	427389	40.0000	40.565
51 Naphthalene	128	5.254	5.254	(1.003)	1301299	40.0000	39.069
52 4-Chloroaniline	127	5.308	5.308	(1.013)	551688	40.0000	40.417
54 2,6-Dichlorophenol	162	5.318	5.318	(1.015)	366511	40.0000	39.907
56 Hexachlorobutadiene	225	5.366	5.366	(1.024)	249963	40.0000	39.988
221 Caprolactam	113	5.569	5.569	(1.063)	127817	40.0000	40.608
59 4-Chloro-3-Methylphenol	107	5.703	5.703	(1.089)	377724	40.0000	39.374
62 2-Methylnaphthalene	142	5.788	5.788	(1.105)	856063	40.0000	39.308
205 1-Methylnaphthalene	142	5.868	5.868	(1.120)	813385	40.0000	39.170
64 Hexachlorocyclopentadiene	237	5.922	5.922	(0.899)	288095	40.0000	51.611
65 1,2,4,5-Tetrachlorobenzene	216	5.922	5.922	(0.899)	401474	40.0000	42.474
66 2,4,6-Trichlorophenol	196	6.018	6.018	(0.913)	257154	40.0000	41.470
67 2,4,5-Trichlorophenol	196	6.055	6.055	(0.919)	270783	40.0000	41.535
222 1,1'-Biphenyl	154	6.152	6.152	(0.934)	1033901	40.0000	41.065
70 2-Chloronaphthalene	162	6.162	6.162	(0.935)	784531	40.0000	40.583
73 2-Nitroaniline	65	6.248	6.248	(0.948)	234346	40.0000	41.476
76 Dimethylphthalate	163	6.387	6.387	(0.969)	859206	40.0000	40.246
78 2,6-Dinitrotoluene	165	6.429	6.429	(0.976)	200363	40.0000	40.899
79 Acenaphthylene	152	6.483	6.483	(0.984)	1233914	40.0000	40.371
81 3-Nitroaniline	138	6.563	6.563	(0.996)	215017	40.0000	42.387
82 Acenaphthene	153	6.616	6.616	(1.004)	778048	40.0000	40.956
83 2,4-Dinitrophenol	184	6.643	6.643	(1.008)	106654	40.0000	44.949
85 4-Nitrophenol	109	6.729	6.729	(1.021)	138265	40.0000	41.106
86 Dibenzofuran	168	6.750	6.750	(1.024)	1059039	40.0000	39.613
87 2,4-Dinitrotoluene	165	6.739	6.739	(1.023)	270163	40.0000	42.120
91 2,3,5,6-Tetrachlorophenol	232	6.825	6.825	(1.036)	213203	40.0000	42.210
88 2,3,4,6-Tetrachlorophenol	232	6.857	6.857	(1.041)	213264	40.0000	40.336
92 2-Naphthylamine	143	6.873	6.873	(1.043)	686436	40.0000	39.389
93 Diethylphthalate	149	6.932	6.932	(1.052)	829577	40.0000	39.502
94 Fluorene	166	7.017	7.017	(1.065)	894401	40.0000	40.997
95 4-Chlorophenyl-phenylether	204	7.017	7.017	(1.065)	436838	40.0000	41.301
96 4-Nitroaniline	138	6.563	6.563	(0.996)	215017	40.0000	41.974
98 4,6-Dinitro-2-methylphenol	198	7.060	7.060	(0.912)	151203	40.0000	47.105
99 N-Nitrosodiphenylamine	169	7.108	7.108	(0.919)	577891	40.0000	39.802
100 1,2-Diphenylhydrazine	77	7.140	7.140	(0.923)	910688	40.0000	38.865
106 4-Bromophenyl-phenylether	248	7.391	7.391	(0.955)	230299	40.0000	40.706
107 Hexachlorobenzene	284	7.450	7.450	(0.963)	219847	40.0000	40.815
223 Atrazine	200	7.525	7.525	(0.972)	243373	40.0000	41.568
111 Pentachlorophenol	266	7.605	7.605	(0.983)	145254	40.0000	39.571
115 Phenanthrene	178	7.760	7.760	(1.003)	1134641	40.0000	39.013
116 Anthracene	178	7.797	7.797	(1.008)	1165934	40.0000	39.975
119 Carbazole	167	7.925	7.925	(1.024)	1031620	40.0000	39.152
120 Di-n-Butylphthalate	149	8.192	8.192	(1.059)	1364045	40.0000	40.484
123 Fluoranthene	202	8.689	8.689	(1.123)	1173297	40.0000	39.966
124 Benzidine	184	8.801	8.801	(0.878)	486586	40.0000	37.046
125 Pyrene	202	8.876	8.876	(0.885)	1211677	40.0000	38.602
131 Butylbenzylphthalate	149	9.464	9.464	(0.944)	613447	40.0000	39.252
135 3,3'-Dichlorobenzidine	252	9.998	9.998	(0.997)	409232	40.0000	40.554
136 Benzo(a)Anthracene	228	10.019	10.019	(0.999)	1093661	40.0000	38.382
137 Chrysene	228	10.062	10.062	(1.003)	1059550	40.0000	39.048
139 bis(2-ethylhexyl)Phthalate	149	10.057	10.057	(1.003)	891591	40.0000	40.065
140 Di-n-octylphthalate	149	10.756	10.756	(0.929)	1425962	40.0000	39.194
141 Benzo(b)fluoranthene	252	11.173	11.173	(0.965)	1200754	40.0000	39.776

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
142 Benzo(k)fluoranthene	252	11.205	11.205	(0.968)	1147288	40.0000	40.286
143 7,12-dimethylbenz[a]anthracen	256	11.168	11.168	(0.964)	566094	40.0000	41.725
146 Benzo(a)pyrene	252	11.520	11.520	(0.995)	901874	40.0000	40.585
149 Indeno(1,2,3-cd)pyrene	276	12.797	12.797	(1.105)	1132661	40.0000	40.965
150 Dibenz(a,h)anthracene	278	12.819	12.819	(1.107)	944139	40.0000	41.318
151 Benzo(g,h,i)perylene	276	13.150	13.150	(1.136)	956587	40.0000	40.761
$ 154 Nitrobenzene-d5	82	4.682	4.682	(0.894)	495985	40.0000	38.598
$ 155 2-Fluorobiphenyl	172	6.077	6.077	(0.922)	889222	40.0000	40.593
$ 156 Terphenyl-d14	244	9.010	9.010	(0.898)	814240	40.0000	39.270
$ 157 Phenol-d5	99	4.025	4.025	(0.948)	549994	40.0000	39.586
$ 158 2-Fluorophenol	112	3.213	3.213	(0.757)	404014	40.0000	40.048
$ 159 2,4,6-Tribromophenol	330	7.204	7.204	(0.931)	90625	40.0000	40.768
$ 186 2-Chlorophenol-d4	132	4.079	4.079	(0.961)	482328	40.0000	39.173
$ 187 1,2-Dichlorobenzene-d4	152	4.367	4.367	(1.029)	337921	40.0000	40.086

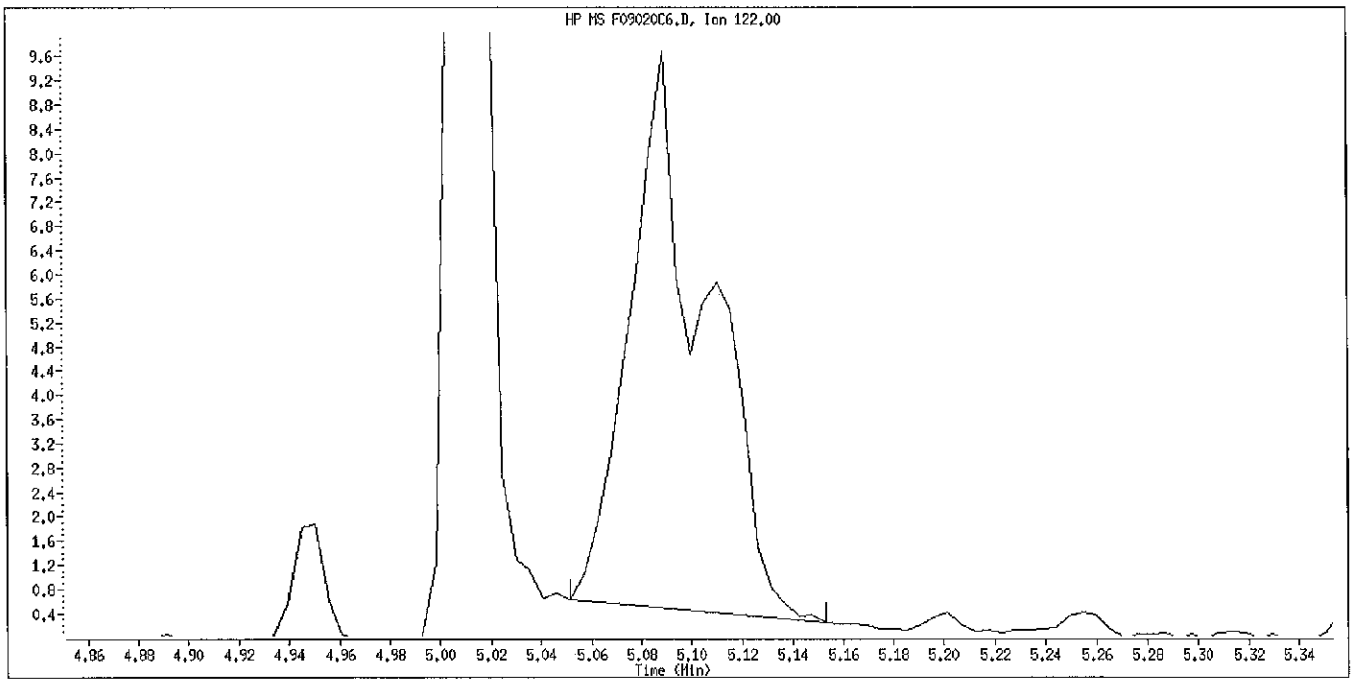
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

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Inj. Date and Time: 02-SEP-2010 03:21
Instrument ID: 722.i
Client ID: SSTD40
Compound Name: Benzoic Acid
CAS #: 65-85-0



Original Integration



Manual Integration

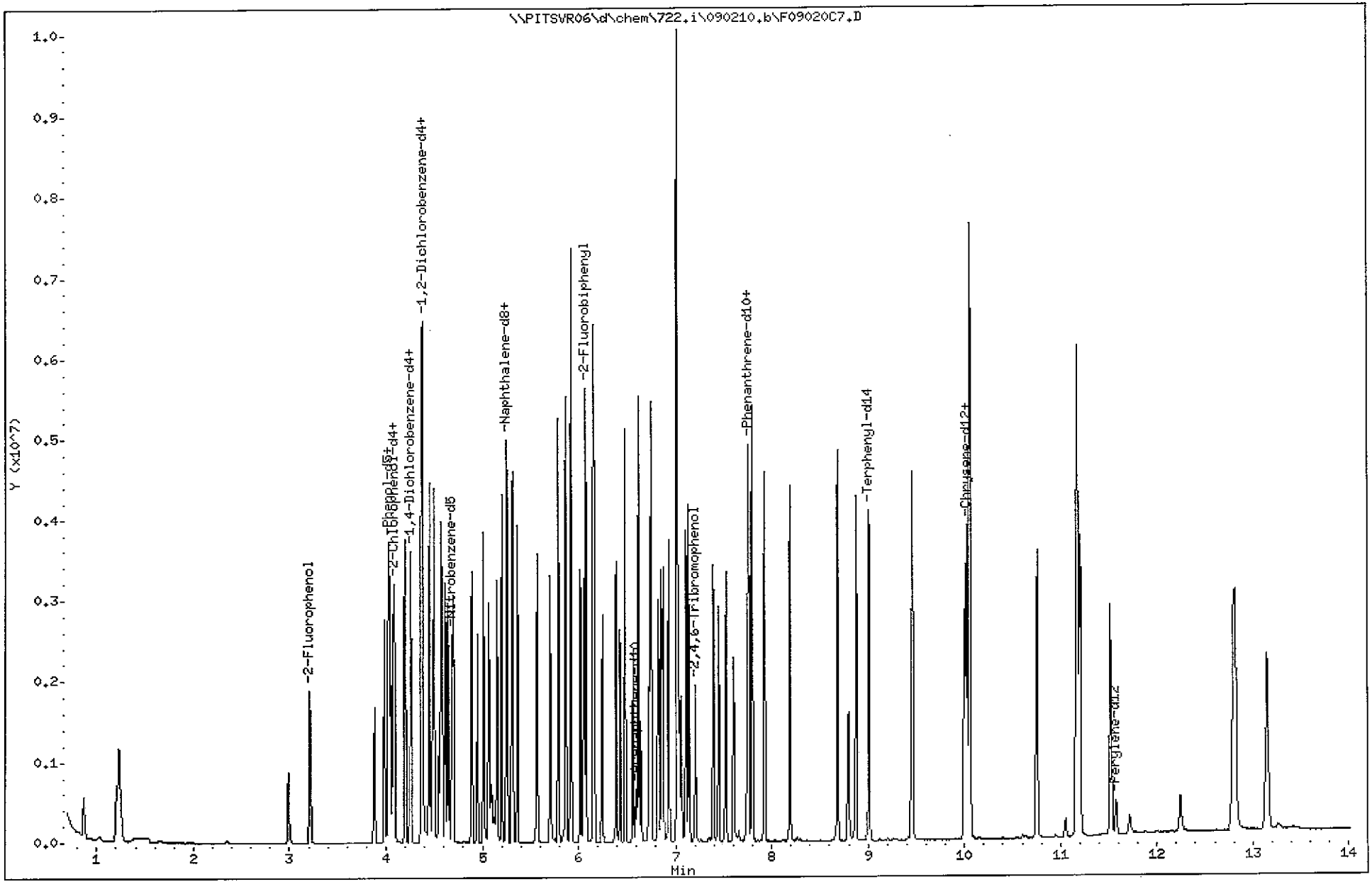
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Manual Integration Reason: Peak Not Found

Data File: \\PITSVR06\d\chem\722.i\090210.b\F09020C7.D
Date : 02-SEP-2010 03:41
Client ID: SSTD60
Sample Info: SSTD60 (30ug/ml) BNA0666-10

Instrument: 722.i

Operator: 007062
Column diameter: 0.25

Column phase: Hp5-MS



Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\d\chem\722.i\090210.b\F09020C7.D
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Operator : 007062 Inst ID: 722.i
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Meth Date : 02-Sep-2010 03:49 722.i Quant Type: ISTD
Cal Date : 02-SEP-2010 03:21 Cal File: F09020C6.D
Als bottle: 8 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-root.sub
Target Version: 4.14
Processing Host: PITPC-503

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.244	4.244	(1.000)	68270	8.00000	(Q)
* 2 Naphthalene-d8	136	5.237	5.237	(1.000)	245752	8.00000	
* 3 Acenaphthene-d10	164	6.589	6.589	(1.000)	131497	8.00000	
* 4 Phenanthrene-d10	188	7.737	7.737	(1.000)	199527	8.00000	
* 5 Chrysene-d12	240	10.029	10.029	(1.000)	199860	8.00000	
* 6 Perylene-d12	264	11.573	11.573	(1.000)	181458	8.00000	
198 1,4-Dioxane	88	0.862	0.862	(0.203)	162410	60.0000	41.204
220 Benzaldehyde	77	3.880	3.880	(0.914)	338331	60.0000	39.002
10 N-Nitrosodimethylamine	74	1.204	1.204	(0.284)	435193	60.0000	59.054
9 Pyridine	79	1.231	1.231	(0.290)	799584	60.0000	58.842
16 Methyl methanesulfonate	80	2.988	2.988	(0.704)	348106	60.0000	57.594
21 Aniline	93	3.987	3.987	(0.940)	1008060	60.0000	58.090
22 Phenol	94	4.035	4.035	(0.951)	878027	60.0000	56.671
23 bis(2-Chloroethyl)ether	93	4.051	4.051	(0.955)	632552	60.0000	55.752
24 2-Chlorophenol	128	4.089	4.089	(0.963)	717391	60.0000	58.173
26 1,3-Dichlorobenzene	146	4.195	4.195	(0.989)	837045	60.0000	58.568
27 1,4-Dichlorobenzene	146	4.260	4.260	(1.004)	835630	60.0000	58.655
28 1,2-Dichlorobenzene	146	4.377	4.377	(1.031)	795206	60.0000	58.603
227 Indene	116	4.447	4.447	(1.048)	1209978	60.0000	57.836(A)
29 Benzyl Alcohol	108	4.377	4.377	(1.031)	411209	60.0000	58.915
30 2-Methylphenol	108	4.495	4.495	(1.059)	621142	60.0000	60.491
31 2,2'-oxybis(1-Chloropropane)	45	4.484	4.484	(1.057)	614478	60.0000	58.044
37 Acetophenone	105	4.569	4.569	(1.077)	925312	60.0000	56.938
32 N-Nitroso-di-n-propylamine	70	4.585	4.585	(1.081)	477396	60.0000	56.149
192 4-Methylphenol	108	4.612	4.612	(1.087)	600162	60.0000	56.358
34 Hexachloroethane	117	4.644	4.644	(1.094)	319964	60.0000	60.548
35 Nitrobenzene	77	4.698	4.698	(0.897)	737725	60.0000	57.234
36 N-Nitrosopyrrolidine	100	4.548	4.548	(1.072)	319261	60.0000	58.323
41 Isophorone	82	4.890	4.890	(0.934)	1222428	60.0000	57.522
42 2-Nitrophenol	139	4.949	4.949	(0.945)	389317	60.0000	62.554
43 2,4-Dimethylphenol	107	5.013	5.013	(0.957)	686368	60.0000	57.627
44 bis(2-Chloroethoxy)methane	93	5.066	5.066	(0.967)	724979	60.0000	58.797
48 2,4-Dichlorophenol	162	5.152	5.152	(0.984)	556293	60.0000	60.630

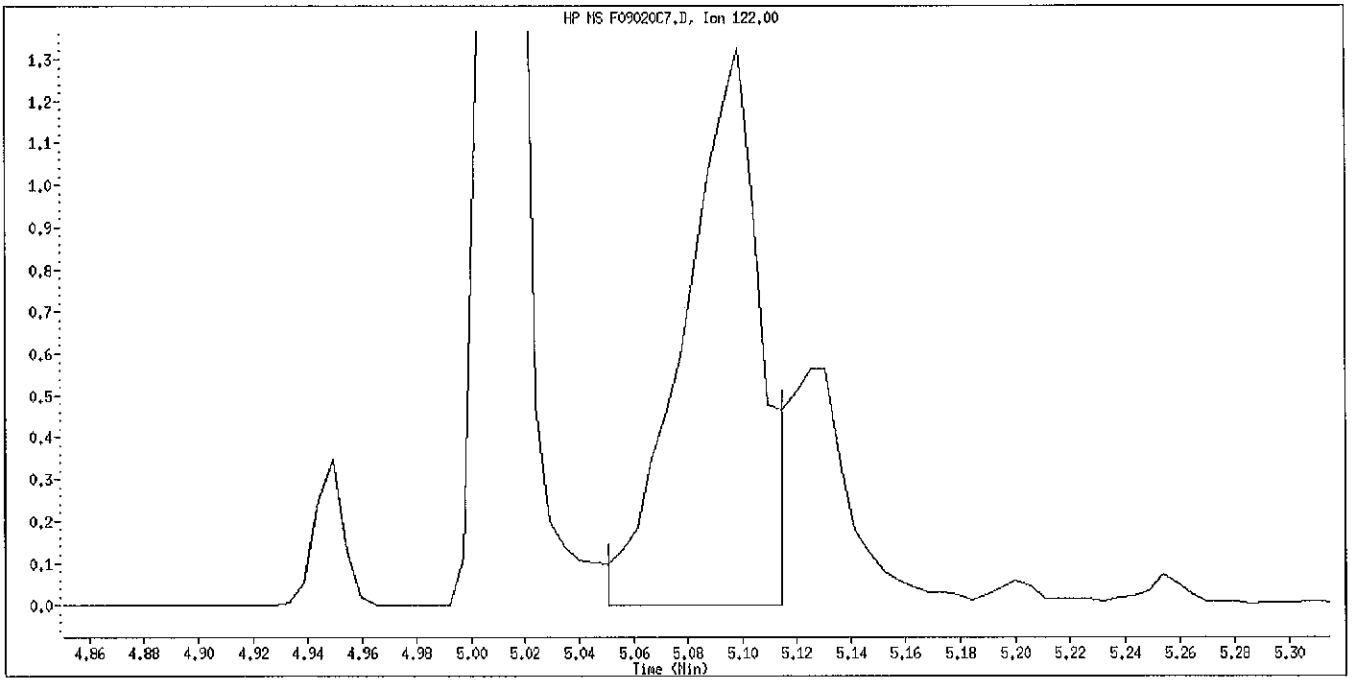
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	5.098	5.098	(0.973)	295353	60.0000	60.247(M)
50 1,2,4-Trichlorobenzene	180	5.200	5.200	(0.993)	627743	60.0000	60.254
51 Naphthalene	128	5.253	5.253	(1.003)	1902026	60.0000	57.749
52 4-Chloroaniline	127	5.307	5.307	(1.013)	812430	60.0000	60.191
54 2,6-Dichlorophenol	162	5.317	5.317	(1.015)	544591	60.0000	59.966
56 Hexachlorobutadiene	225	5.365	5.365	(1.024)	377099	60.0000	61.007
221 Caprolactam	113	5.574	5.574	(1.064)	196398	60.0000	63.100
59 4-Chloro-3-Methylphenol	107	5.707	5.707	(1.090)	552561	60.0000	58.249
62 2-Methylnaphthalene	142	5.793	5.793	(1.106)	1253380	60.0000	58.201
205 1-Methylnaphthalene	142	5.868	5.868	(1.120)	1211321	60.0000	58.991
64 Hexachlorocyclopentadiene	237	5.921	5.921	(0.899)	453516	60.0000	81.689
65 1,2,4,5-Tetrachlorobenzene	216	5.926	5.926	(0.899)	611670	60.0000	65.065
66 2,4,6-Trichlorophenol	196	6.022	6.022	(0.914)	385173	60.0000	62.454
67 2,4,5-Trichlorophenol	196	6.055	6.055	(0.919)	410060	60.0000	63.241
222 1,1'-Biphenyl	154	6.151	6.151	(0.934)	1522735	60.0000	60.810
70 2-Chloronaphthalene	162	6.167	6.167	(0.936)	1172598	60.0000	60.987
73 2-Nitroaniline	65	6.247	6.247	(0.948)	341870	60.0000	60.835
76 Dimethylphthalate	163	6.391	6.391	(0.970)	1253031	60.0000	59.012
78 2,6-Dinitrotoluene	165	6.434	6.434	(0.976)	312503	60.0000	64.137
79 Acenaphthylene	152	6.482	6.482	(0.984)	1798122	60.0000	59.151
81 3-Nitroaniline	138	6.562	6.562	(0.996)	325114	60.0000	64.440
82 Acenaphthene	153	6.615	6.615	(1.004)	1137390	60.0000	60.197
83 2,4-Dinitrophenol	184	6.642	6.642	(1.008)	172778	60.0000	73.214
85 4-Nitrophenol	109	6.728	6.728	(1.021)	207205	60.0000	61.938(Q)
86 Dibenzofuran	168	6.749	6.749	(1.024)	1593935	60.0000	59.946
87 2,4-Dinitrotoluene	165	6.744	6.744	(1.024)	408077	60.0000	63.968
91 2,3,5,6-Tetrachlorophenol	232	6.824	6.824	(1.036)	333139	60.0000	66.314
88 2,3,4,6-Tetrachlorophenol	232	6.856	6.856	(1.041)	318751	60.0000	60.616
92 2-Naphthylamine	143	6.872	6.872	(1.043)	921925	60.0000	53.190
93 Diethylphthalate	149	6.931	6.931	(1.052)	1239641	60.0000	59.350
94 Fluorene	166	7.016	7.016	(1.065)	1327336	60.0000	61.173
95 4-Chlorophenyl-phenylether	204	7.016	7.016	(1.065)	670742	60.0000	63.762
96 4-Nitroaniline	138	6.562	6.562	(0.996)	325114	60.0000	63.812
98 4,6-Dinitro-2-methylphenol	198	7.059	7.059	(0.912)	232819	60.0000	74.268
99 N-Nitrosodiphenylamine	169	7.107	7.107	(0.919)	850207	60.0000	59.960
100 1,2-Diphenylhydrazine	77	7.139	7.139	(0.923)	1329568	60.0000	58.100
106 4-Bromophenyl-phenylether	248	7.395	7.395	(0.956)	344887	60.0000	62.420
107 Hexachlorobenzene	284	7.449	7.449	(0.963)	328549	60.0000	62.456
223 Atrazine	200	7.524	7.524	(0.972)	350760	60.0000	61.345
111 Pentachlorophenol	266	7.604	7.604	(0.983)	221296	60.0000	61.731
115 Phenanthrene	178	7.759	7.759	(1.003)	1684159	60.0000	59.294
116 Anthracene	178	7.796	7.796	(1.008)	1708618	60.0000	59.984
119 Carbazole	167	7.924	7.924	(1.024)	1527986	60.0000	59.378
120 Di-n-Butylphthalate	149	8.191	8.191	(1.059)	1975233	60.0000	60.028
123 Fluoranthene	202	8.688	8.688	(1.123)	1745611	60.0000	60.885
124 Benzidine	184	8.800	8.800	(0.877)	647868	60.0000	49.253
125 Pyrene	202	8.880	8.880	(0.885)	1738928	60.0000	55.319
131 Butylbenzylphthalate	149	9.463	9.463	(0.944)	895290	60.0000	57.204
135 3,3'-Dichlorobenzidine	252	9.997	9.997	(0.997)	599119	60.0000	59.284
136 Benzo(a)Anthracene	228	10.018	10.018	(0.999)	1668170	60.0000	58.460
137 Chrysene	228	10.056	10.056	(1.003)	1608463	60.0000	59.191
139 bis(2-ethylhexyl)Phthalate	149	10.056	10.056	(1.003)	1350009	60.0000	60.577
140 Di-n-octylphthalate	149	10.756	10.756	(0.929)	2084312	60.0000	57.470
141 Benzo(b)fluoranthene	252	11.178	11.178	(0.966)	1755534	60.0000	58.337

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
142 Benzo(k)fluoranthene	252	11.204	11.204	(0.968)	1804935	60.0000	63.579
143 7,12-dimethylbenz[a]anthracen	256	11.172	11.172	(0.965)	839265	60.0000	62.055
146 Benzo(a)pyrene	252	11.520	11.520	(0.995)	1352786	60.0000	61.070
149 Indeno(1,2,3-cd)pyrene	276	12.796	12.796	(1.106)	1783320	60.0000	64.702
150 Dibenz(a,h)anthracene	278	12.818	12.818	(1.108)	1507694	60.0000	66.189
151 Benzo(g,h,i)perylene	276	13.149	13.149	(1.136)	1474342	60.0000	63.022
$ 154 Nitrobenzene-d5	82	4.682	4.682	(0.894)	748087	60.0000	58.873
$ 155 2-Fluorobiphenyl	172	6.076	6.076	(0.922)	1290630	60.0000	59.238
$ 156 Terphenyl-d14	244	9.009	9.009	(0.898)	1198279	60.0000	57.708
$ 157 Phenol-d5	99	4.024	4.024	(0.948)	800153	60.0000	57.804
$ 158 2-Fluorophenol	112	3.212	3.212	(0.757)	588965	60.0000	58.597
$ 159 2,4,6-Tribromophenol	330	7.203	7.203	(0.931)	137693	60.0000	63.426
$ 186 2-Chlorophenol-d4	132	4.078	4.078	(0.961)	717696	60.0000	58.505
$ 187 1,2-Dichlorobenzene-d4	152	4.366	4.366	(1.029)	507587	60.0000	60.436

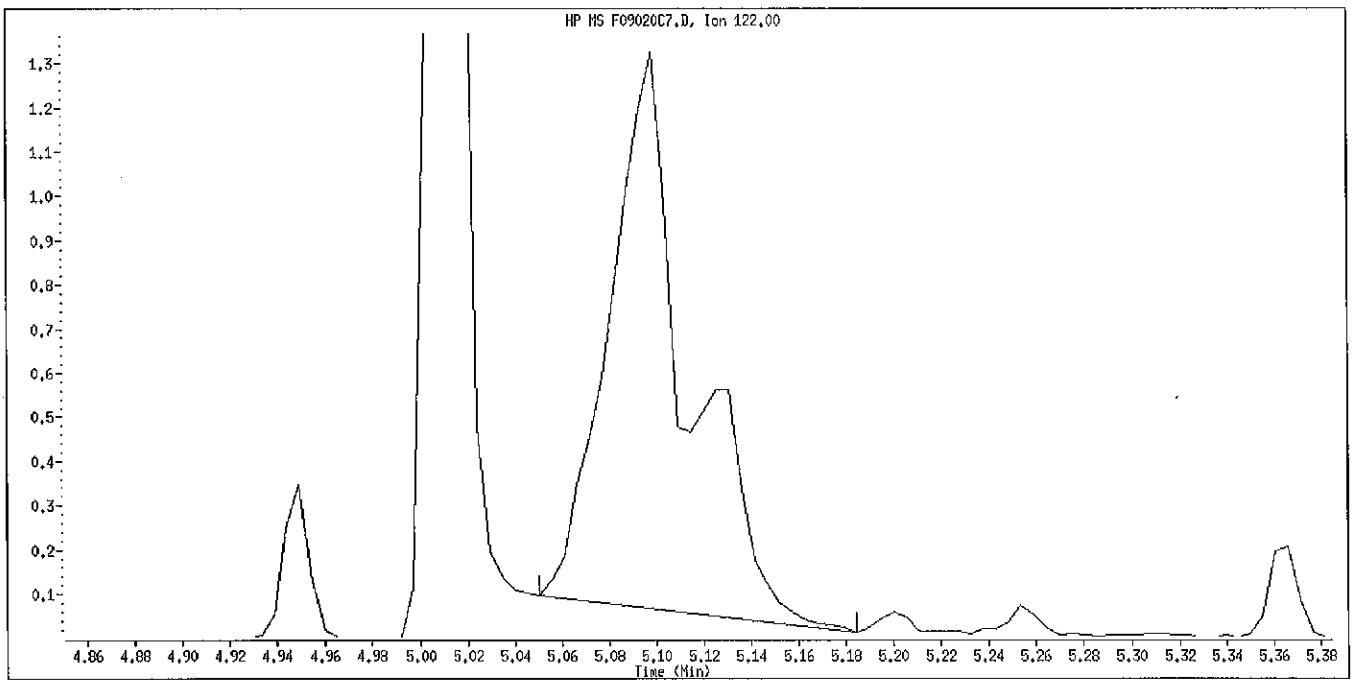
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File Name: F09020C7.D
Inj. Date and Time: 02-SEP-2010 03:41
Instrument ID: 722.i
Client ID: SSTD60
Compound Name: Benzoic Acid
CAS #: 65-85-0



Original Integration



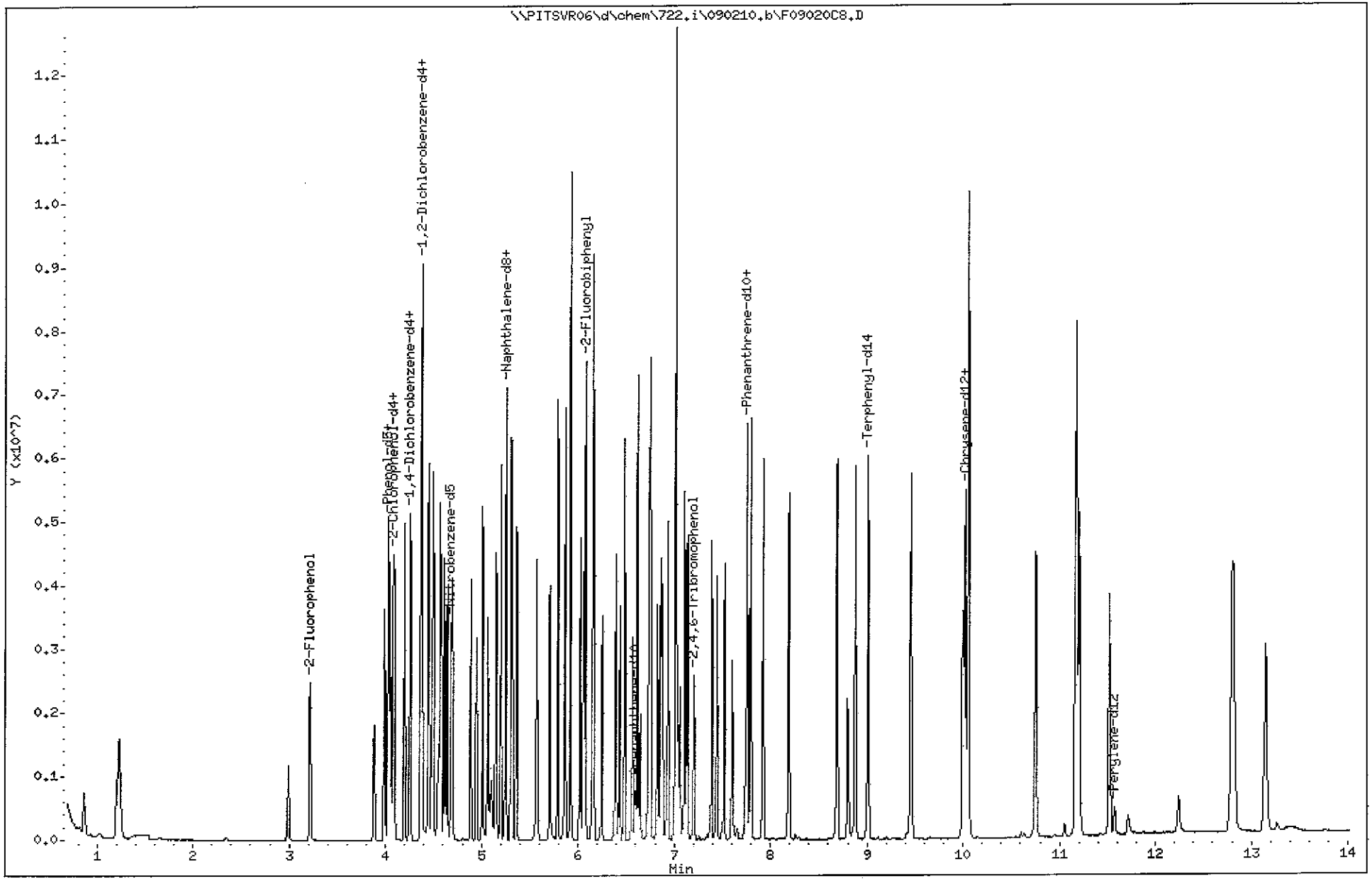
Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

Data File: \\PITSVR06\d\chem\722.i\090210.b\F09020C8.D
Date : 02-SEP-2010 04:00
Client ID: SSTD80
Sample Info: SSTD80 (40ug/ml) BNA0667-10

Instrument: 722.i
Operator: 007062
Column diameter: 0.25

Column phase: Hp5-MS



Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\d\chem\722.i\090210.b\F09020C8.D
Lab Smp Id: sstd80 Client Smp ID: SSTD80
Inj Date : 02-SEP-2010 04:00
Operator : 007062 Inst ID: 722.i
Smp Info : SSTD80 (40ug/ml) BNA0667-10
Misc Info : sstd80,090210.b,ll.m,2-root.sub,1,8
Comment :
Method : \\PITSVR06\d\chem\722.i\090210.b\LL.m
Meth Date : 02-Sep-2010 04:44 722.i Quant Type: ISTD
Cal Date : 02-SEP-2010 04:00 Cal File: F09020C8.D
Als bottle: 9 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-root.sub
Target Version: 4.14
Processing Host: PITPC-503

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.246	4.246	(1.000)	72043	8.00000	
* 2	Naphthalene-d8	136	5.239	5.239	(1.000)	254949	8.00000	
* 3	Acenaphthene-d10	164	6.591	6.591	(1.000)	136935	8.00000	
* 4	Phenanthrene-d10	188	7.739	7.739	(1.000)	204541	8.00000	
* 5	Chrysene-d12	240	10.031	10.031	(1.000)	200515	8.00000	
* 6	Perylene-d12	264	11.575	11.575	(1.000)	181380	8.00000	
198	1,4-Dioxane	88	0.864	0.864	(0.204)	216356	80.0000	54.751
220	Benzaldehyde	77	3.882	3.882	(0.914)	380528	80.0000	44.225
10	N-Nitrosodimethylamine	74	1.206	1.206	(0.284)	597237	80.0000	77.184
9	Pyridine	79	1.227	1.227	(0.289)	1065482	80.0000	74.970
16	Methyl methanesulfonate	80	2.990	2.990	(0.704)	475827	80.0000	75.237
21	Aniline	93	3.989	3.989	(0.940)	1374107	80.0000	75.623
22	Phenol	94	4.032	4.032	(0.950)	1214586	80.0000	74.957
23	bis(2-Chloroethyl)ether	93	4.053	4.053	(0.955)	892928	80.0000	75.217
24	2-Chlorophenol	128	4.091	4.091	(0.964)	977379	80.0000	75.684
26	1,3-Dichlorobenzene	146	4.197	4.197	(0.989)	1133437	80.0000	75.727
27	1,4-Dichlorobenzene	146	4.256	4.256	(1.002)	1133799	80.0000	75.960
28	1,2-Dichlorobenzene	146	4.379	4.379	(1.031)	1095224	80.0000	76.908
227	Indene	116	4.449	4.449	(1.048)	1651351	80.0000	75.412(A)
29	Benzyl Alcohol	108	4.379	4.379	(1.031)	580897	80.0000	79.028
30	2-Methylphenol	108	4.497	4.497	(1.059)	836669	80.0000	77.551
31	2,2'-oxybis(1-Chloropropane)	45	4.481	4.481	(1.055)	829189	80.0000	74.900
37	Acetophenone	105	4.571	4.571	(1.077)	1259156	80.0000	74.186
32	N-Nitroso-di-n-propylamine	70	4.587	4.587	(1.081)	655936	80.0000	73.903
192	4-Methylphenol	108	4.614	4.614	(1.087)	828775	80.0000	74.477
34	Hexachloroethane	117	4.646	4.646	(1.094)	438910	80.0000	78.867
35	Nitrobenzene	77	4.700	4.700	(0.897)	1005073	80.0000	75.736
36	N-Nitrosopyrrolidine	100	4.550	4.550	(1.072)	438814	80.0000	76.446
41	Isophorone	82	4.892	4.892	(0.934)	1640019	80.0000	75.046
42	2-Nitrophenol	139	4.951	4.951	(0.945)	549934	80.0000	84.491
43	2,4-Dimethylphenol	107	5.009	5.009	(0.956)	936766	80.0000	76.312
44	bis(2-Chloroethoxy)methane	93	5.068	5.068	(0.967)	987303	80.0000	77.524
48	2,4-Dichlorophenol	162	5.148	5.148	(0.983)	766278	80.0000	80.440

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	5.111	5.111	(0.976)	367534	80.0000	72.266
50 1,2,4-Trichlorobenzene	180	5.202	5.202	(0.993)	862803	80.0000	79.850
51 Naphthalene	128	5.255	5.255	(1.003)	2506247	80.0000	74.120
52 4-Chloroaniline	127	5.309	5.309	(1.013)	1108816	80.0000	79.287
54 2,6-Dichlorophenol	162	5.314	5.314	(1.014)	765478	80.0000	81.090
56 Hexachlorobutadiene	225	5.367	5.367	(1.024)	515903	80.0000	80.395
221 Caprolactam	113	5.581	5.581	(1.065)	249435	80.0000	77.630
59 4-Chloro-3-Methylphenol	107	5.709	5.709	(1.090)	780126	80.0000	79.362
62 2-Methylnaphthalene	142	5.789	5.789	(1.105)	1734180	80.0000	77.912
205 1-Methylnaphthalene	142	5.864	5.864	(1.119)	1678686	80.0000	78.950
64 Hexachlorocyclopentadiene	237	5.923	5.923	(0.899)	642122	80.0000	105.92
65 1,2,4,5-Tetrachlorobenzene	216	5.923	5.923	(0.899)	835039	80.0000	84.598
66 2,4,6-Trichlorophenol	196	6.019	6.019	(0.913)	539655	80.0000	83.502
67 2,4,5-Trichlorophenol	196	6.057	6.057	(0.919)	549765	80.0000	81.240
222 1,1'-Biphenyl	154	6.153	6.153	(0.934)	2071853	80.0000	79.521
70 2-Chloronaphthalene	162	6.163	6.163	(0.935)	1617556	80.0000	80.689
73 2-Nitroaniline	65	6.249	6.249	(0.948)	479031	80.0000	81.621
76 Dimethylphthalate	163	6.388	6.388	(0.969)	1724571	80.0000	78.239
78 2,6-Dinitrotoluene	165	6.431	6.431	(0.976)	424993	80.0000	83.271
79 Acenaphthylene	152	6.484	6.484	(0.984)	2436565	80.0000	77.336
81 3-Nitroaniline	138	6.564	6.564	(0.996)	450797	80.0000	85.032
82 Acenaphthene	153	6.617	6.617	(1.004)	1531541	80.0000	78.102
83 2,4-Dinitrophenol	184	6.644	6.644	(1.008)	245954	80.0000	96.064
85 4-Nitrophenol	109	6.730	6.730	(1.021)	293097	80.0000	83.415
86 Dibenzofuran	168	6.751	6.751	(1.024)	2159796	80.0000	78.246
87 2,4-Dinitrotoluene	165	6.746	6.746	(1.024)	560245	80.0000	83.766
91 2,3,5,6-Tetrachlorophenol	232	6.826	6.826	(1.036)	465386	80.0000	87.732
88 2,3,4,6-Tetrachlorophenol	232	6.858	6.858	(1.041)	424055	80.0000	77.750
92 2-Naphthylamine	143	6.874	6.874	(1.043)	1189397	80.0000	67.381
93 Diethylphthalate	149	6.933	6.933	(1.052)	1671139	80.0000	77.214
94 Fluorene	166	7.018	7.018	(1.065)	1838978	80.0000	81.211
95 4-Chlorophenyl-phenylether	204	7.018	7.018	(1.065)	940888	80.0000	85.107
96 4-Nitroaniline	138	6.564	6.564	(0.996)	450797	80.0000	84.312
98 4,6-Dinitro-2-methylphenol	198	7.061	7.061	(0.912)	332018	80.0000	99.684
99 N-Nitrosodiphenylamine	169	7.109	7.109	(0.919)	1196130	80.0000	81.995
100 1,2-Diphenylhydrazine	77	7.141	7.141	(0.923)	1785576	80.0000	76.579
106 4-Bromophenyl-phenylether	248	7.392	7.392	(0.955)	472668	80.0000	83.003
107 Hexachlorobenzene	284	7.446	7.446	(0.962)	455186	80.0000	83.831
223 Atrazine	200	7.526	7.526	(0.972)	467406	80.0000	79.741
111 Pentachlorophenol	266	7.606	7.606	(0.983)	299490	80.0000	81.306
115 Phenanthrene	178	7.755	7.755	(1.002)	2292322	80.0000	78.885
116 Anthracene	178	7.798	7.798	(1.008)	2284039	80.0000	78.438
119 Carbazole	167	7.926	7.926	(1.024)	2026992	80.0000	77.220
120 Di-n-Butylphthalate	149	8.193	8.193	(1.059)	2616375	80.0000	77.860
123 Fluoranthene	202	8.690	8.690	(1.123)	2304890	80.0000	78.616
124 Benzidine	184	8.797	8.797	(0.877)	846116	80.0000	65.746
125 Pyrene	202	8.877	8.877	(0.885)	2335385	80.0000	74.746
131 Butylbenzylphthalate	149	9.459	9.459	(0.943)	1210510	80.0000	77.443
135 3,3'-Dichlorobenzidine	252	9.999	9.999	(0.997)	817762	80.0000	80.573
136 Benzo(a)Anthracene	228	10.020	10.020	(0.999)	2248154	80.0000	78.708
137 Chrysene	228	10.058	10.058	(1.003)	2149776	80.0000	78.994
139 bis(2-ethylhexyl)Phthalate	149	10.052	10.052	(1.002)	1791062	80.0000	80.092
140 Di-n-octylphthalate	149	10.758	10.758	(0.929)	2733892	80.0000	75.958
141 Benzo(b)fluoranthene	252	11.180	11.180	(0.966)	2462687	80.0000	81.633

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
142 Benzo(k)fluoranthene	252	11.206	11.206	(0.968)	2368721	80.0000	83.024
143 7,12-dimethylbenz[a]anthracen	256	11.174	11.174	(0.965)	1185446	80.0000	86.648
146 Benzo(a)pyrene	252	11.522	11.522	(0.995)	1826498	80.0000	82.170
149 Indeno(1,2,3-cd)pyrene	276	12.798	12.798	(1.106)	2406756	80.0000	86.366
150 Dibenz(a,h)anthracene	278	12.820	12.820	(1.108)	2008640	80.0000	87.100
151 Benzo(g,h,i)perylene	276	13.151	13.151	(1.136)	1959860	80.0000	83.315
$ 154 Nitrobenzene-d5	82	4.684	4.684	(0.894)	1001289	80.0000	76.440
$ 155 2-Fluorobiphenyl	172	6.078	6.078	(0.922)	1801672	80.0000	79.483
$ 156 Terphenyl-d14	244	9.011	9.011	(0.898)	1604952	80.0000	77.398
$ 157 Phenol-d5	99	4.027	4.027	(0.948)	1116575	80.0000	76.866
$ 158 2-Fluorophenol	112	3.215	3.215	(0.757)	805467	80.0000	76.425
$ 159 2,4,6-Tribromophenol	330	7.205	7.205	(0.931)	192102	80.0000	85.475
$ 186 2-Chlorophenol-d4	132	4.075	4.075	(0.960)	985033	80.0000	76.560
$ 187 1,2-Dichlorobenzene-d4	152	4.368	4.368	(1.029)	701385	80.0000	79.244

QC Flag Legend

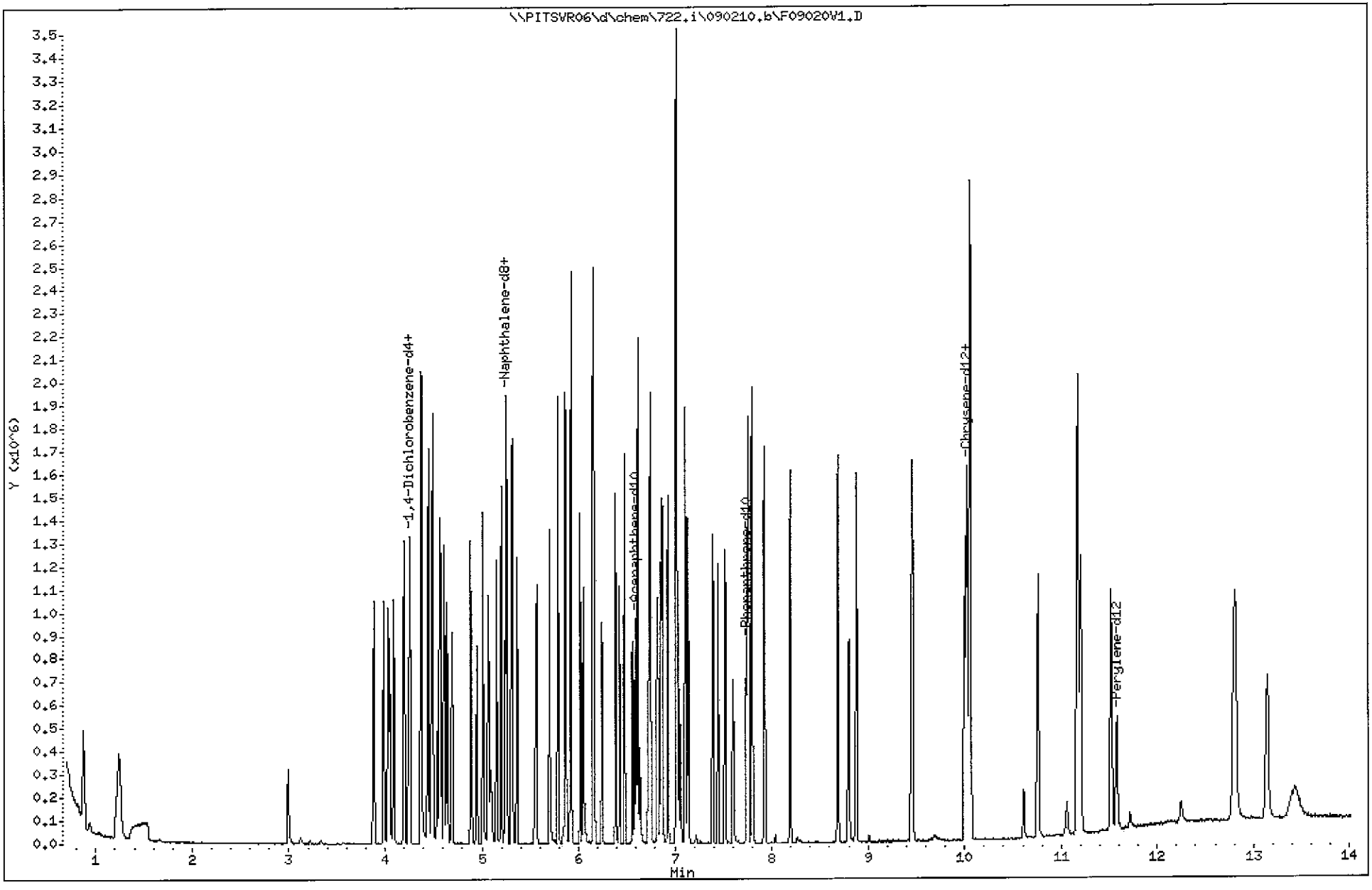
A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\PITSVR06\d\chem\722.i\090210.b\F09020V1.D
Date : 02-SEP-2010 04:20
Client ID: SSTDVER
Sample Info: SSTDVER (20ug/ml) BNA0670-10

Instrument: 722.i

Operator: 007062
Column diameter: 0.25

Column phase: Hp5-MS



Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\d\chem\722.i\090210.b\F09020V1.D
Lab Smp Id: sstdver Client Smp ID: SSTDVER
Inj Date : 02-SEP-2010 04:20
Operator : 007062 Inst ID: 722.i
Smp Info : SSTDVER (20ug/ml) BNA0670-10
Misc Info : sstdver,090210.b,ll.m,2-root.sub
Comment :
Method : \\PITSVR06\d\chem\722.i\090210.b\LL.m
Meth Date : 02-Sep-2010 04:44 722.i Quant Type: ISTD
Cal Date : 02-SEP-2010 04:00 Cal File: F09020C8.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-root.sub
Target Version: 4.14
Processing Host: PITPC-503

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.243	4.246	(1.000)	83688	8.00000	(Q)
* 2 Naphthalene-d8	136	5.237	5.239	(1.000)	315439	8.00000	
* 3 Acenaphthene-d10	164	6.589	6.591	(1.000)	176604	8.00000	
* 4 Phenanthrene-d10	188	7.737	7.739	(1.000)	263934	8.00000	
* 5 Chrysene-d12	240	10.029	10.031	(1.000)	254442	8.00000	
* 6 Perylene-d12	264	11.578	11.575	(1.000)	221534	8.00000	
198 1,4-Dioxane	88	0.867	0.864	(0.204)	68203	14.8580	14.858
220 Benzaldehyde	77	3.880	3.882	(0.914)	211317	21.1420	21.142
10 N-Nitrosodimethylamine	74	1.214	1.206	(0.286)	150592	16.7537	16.754
9 Pyridine	79	1.241	1.227	(0.293)	286969	17.3823	17.382
16 Methyl methanesulfonate	80	2.988	2.990	(0.704)	131394	17.8848	17.885
21 Aniline	93	3.987	3.989	(0.940)	395077	18.7173	18.717
22 Phenol	94	4.030	4.032	(0.950)	323541	17.1886	17.188
23 bis(2-Chloroethyl)ether	93	4.051	4.053	(0.955)	227189	16.4746	16.475
24 2-Chlorophenol	128	4.088	4.091	(0.963)	253364	16.8894	16.889
26 1,3-Dichlorobenzene	146	4.195	4.197	(0.989)	287629	16.5430	16.543
27 1,4-Dichlorobenzene	146	4.259	4.256	(1.004)	291706	16.8237	16.824
28 1,2-Dichlorobenzene	146	4.377	4.379	(1.031)	276333	16.7044	16.704
227 Indene	116	4.446	4.449	(1.048)	454135	17.8531	17.853(A)
29 Benzyl Alcohol	108	4.372	4.379	(1.030)	138547	16.2258	16.226
30 2-Methylphenol	108	4.489	4.497	(1.058)	224709	17.9302	17.930
31 2,2'-oxybis(1-Chloropropane)	45	4.484	4.481	(1.057)	248852	19.3507	19.351
37 Acetophenone	105	4.569	4.571	(1.077)	342949	17.3940	17.394
32 N-Nitroso-di-n-propylamine	70	4.580	4.587	(1.079)	173769	16.8540	16.854
192 4-Methylphenol	108	4.612	4.614	(1.087)	234454	18.1373	18.137
34 Hexachloroethane	117	4.644	4.646	(1.094)	113057	17.4881	17.488
35 Nitrobenzene	77	4.697	4.700	(0.897)	269423	16.4087	16.409
36 N-Nitrosopyrrolidine	100	4.543	4.550	(1.070)	115378	17.3033	17.303
41 Isophorone	82	4.884	4.892	(0.933)	456566	16.8857	16.886
42 2-Nitrophenol	139	4.949	4.951	(0.945)	139179	17.2828	17.283
43 2,4-Dimethylphenol	107	5.007	5.009	(0.956)	243792	16.0517	16.052
44 bis(2-Chloroethoxy)methane	93	5.066	5.068	(0.967)	265191	16.8300	16.830
48 2,4-Dichlorophenol	162	5.146	5.148	(0.983)	204247	17.3292	17.329

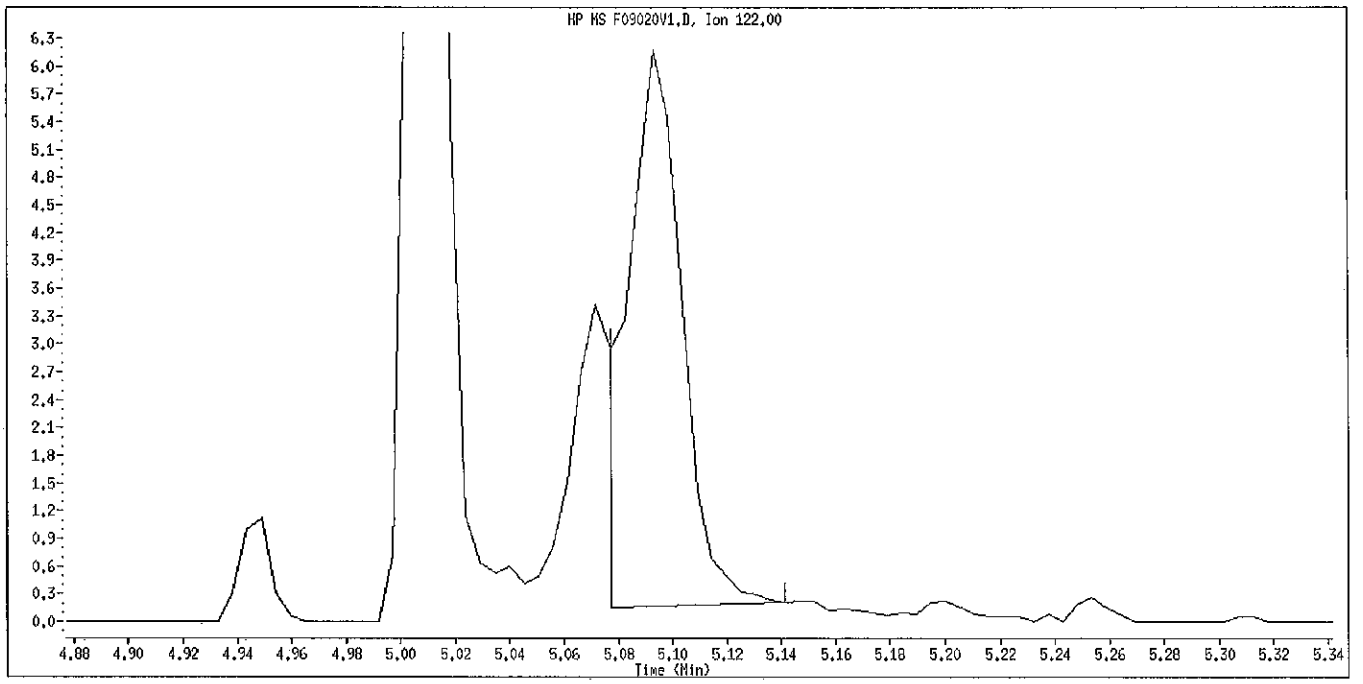
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (NG)
49 Benzoic Acid	122	5.093	5.111	(0.972)	106954	16.9970	16.997(M)
50 1,2,4-Trichlorobenzene	180	5.200	5.202	(0.993)	220568	16.4985	16.498
51 Naphthalene	128	5.253	5.255	(1.003)	704491	16.8392	16.839
52 4-Chloroaniline	127	5.306	5.309	(1.013)	291210	16.8301	16.830
54 2,6-Dichlorophenol	162	5.312	5.314	(1.014)	214745	18.3863	18.386
56 Hexachlorobutadiene	225	5.365	5.367	(1.024)	124584	15.6914	15.691
221 Caprolactam	113	5.552	5.581	(1.060)	68156	17.1441	17.144
59 4-Chloro-3-Methylphenol	107	5.702	5.709	(1.089)	207097	17.0279	17.028
62 2-Methylnaphthalene	142	5.787	5.789	(1.105)	451254	16.3858	16.386
205 1-Methylnaphthalene	142	5.862	5.864	(1.119)	477231	18.1405	18.140
64 Hexachlorocyclopentadiene	237	5.921	5.923	(0.899)	111633	14.2788	14.279
65 1,2,4,5-Tetrachlorobenzene	216	5.921	5.923	(0.899)	212431	16.6872	16.687
66 2,4,6-Trichlorophenol	196	6.017	6.019	(0.913)	139113	16.6902	16.690
67 2,4,5-Trichlorophenol	196	6.049	6.057	(0.918)	147301	16.8776	16.878
222 1,1'-Biphenyl	154	6.151	6.153	(0.934)	571121	16.9968	16.997
70 2-Chloronaphthalene	162	6.161	6.163	(0.935)	431743	16.6992	16.699
73 2-Nitroaniline	65	6.241	6.249	(0.947)	125245	16.5467	16.547
76 Dimethylphthalate	163	6.386	6.388	(0.969)	464323	16.3334	16.333
78 2,6-Dinitrotoluene	165	6.428	6.431	(0.976)	110504	16.7882	16.788
79 Acenaphthylene	152	6.482	6.484	(0.984)	634210	15.6082	15.608
81 3-Nitroaniline	138	6.562	6.564	(0.996)	116596	17.0528	17.053
82 Acenaphthene	153	6.615	6.617	(1.004)	422268	16.6970	16.697
83 2,4-Dinitrophenol	184	6.642	6.644	(1.008)	54318	16.4499	16.450
85 4-Nitrophenol	109	6.722	6.730	(1.020)	74910	16.5305	16.530
86 Dibenzofuran	168	6.749	6.751	(1.024)	594840	16.7094	16.709
87 2,4-Dinitrotoluene	165	6.738	6.746	(1.023)	142387	16.5073	16.507
91 2,3,5,6-Tetrachlorophenol	232	6.824	6.826	(1.036)	127608	18.6525	18.652
88 2,3,4,6-Tetrachlorophenol	232	6.856	6.858	(1.041)	126603	17.9984	17.998
92 2-Naphthylamine	143	6.872	6.874	(1.043)	447067	19.6380	19.638
93 Diethylphthalate	149	6.931	6.933	(1.052)	462624	16.5739	16.574
94 Fluorene	166	7.016	7.018	(1.065)	479704	16.4258	16.426
95 4-Chlorophenyl-phenylether	204	7.016	7.018	(1.065)	237194	16.6358	16.636
96 4-Nitroaniline	138	6.562	6.564	(0.996)	116596	16.9086	16.909
98 4,6-Dinitro-2-methylphenol	198	7.053	7.061	(0.912)	77777	18.0968	18.097
99 N-Nitrosodiphenylamine	169	7.107	7.109	(0.919)	385519	20.4805	20.480
100 1,2-Diphenylhydrazine	77	7.134	7.141	(0.922)	507373	16.8633	16.863
106 4-Bromophenyl-phenylether	248	7.390	7.392	(0.955)	121904	16.5898	16.590
107 Hexachlorobenzene	284	7.443	7.446	(0.962)	116442	16.6193	16.619
223 Atrazine	200	7.518	7.526	(0.972)	131109	17.3343	17.334
111 Pentachlorophenol	266	7.604	7.606	(0.983)	71914	15.1299	15.130
115 Phenanthrene	178	7.753	7.755	(1.002)	594646	15.8584	15.858
116 Anthracene	178	7.796	7.798	(1.008)	645534	17.1802	17.180
119 Carbazole	167	7.924	7.926	(1.024)	583255	17.2196	17.220
120 Di-n-Butylphthalate	149	8.191	8.193	(1.059)	722066	16.6523	16.652
123 Fluoranthene	202	8.688	8.690	(1.123)	623088	16.4700	16.470
124 Benzidine	184	8.800	8.797	(0.877)	334558	20.4867	20.487
125 Pyrene	202	8.875	8.877	(0.885)	649382	16.3789	16.379
131 Butylbenzylphthalate	149	9.463	9.459	(0.944)	336898	16.9853	16.985
135 3,3'-Dichlorobenzidine	252	9.997	9.999	(0.997)	221235	17.1781	17.178
136 Benzo(a)Anthracene	228	10.018	10.020	(0.999)	611295	16.8657	16.866
137 Chrysene	228	10.056	10.058	(1.003)	572179	16.5689	16.569
139 bis(2-ethylhexyl)Phthalate	149	10.056	10.052	(1.003)	444941	15.6797	15.680
140 Di-n-octylphthalate	149	10.761	10.758	(0.929)	751072	17.0853	17.085
141 Benzo(b)fluoranthene	252	11.172	11.180	(0.965)	589688	16.0039	16.004

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (NG)
142	Benzo(k)fluoranthene	252	11.199	11.206	(0.967)	571532	16.4014	16.401
143	7,12-dimethylbenz[a]anthracen	256	11.167	11.174	(0.964)	284855	17.0471	17.047
146	Benzo(a)pyrene	252	11.519	11.522	(0.995)	520051	19.1554	19.155
149	Indeno(1,2,3-cd)pyrene	276	12.791	12.798	(1.105)	553880	16.2732	16.273
150	Dibenz(a,h)anthracene	278	12.812	12.820	(1.107)	462489	16.4198	16.420
151	Benzo(g,h,i)perylene	276	13.149	13.151	(1.136)	463484	16.1318	16.132
$ 154	Nitrobenzene-d5	82	Compound Not Detected.					
$ 155	2-Fluorobiphenyl	172	Compound Not Detected.					
$ 156	Terphenyl-d14	244	Compound Not Detected.					
$ 157	Phenol-d5	99	Compound Not Detected.					
$ 158	2-Fluorophenol	112	Compound Not Detected.					
$ 159	2,4,6-Tribromophenol	329	Compound Not Detected.					
$ 186	2-Chlorophenol-d4	132	Compound Not Detected.					
$ 187	1,2-Dichlorobenzene-d4	152	Compound Not Detected.					

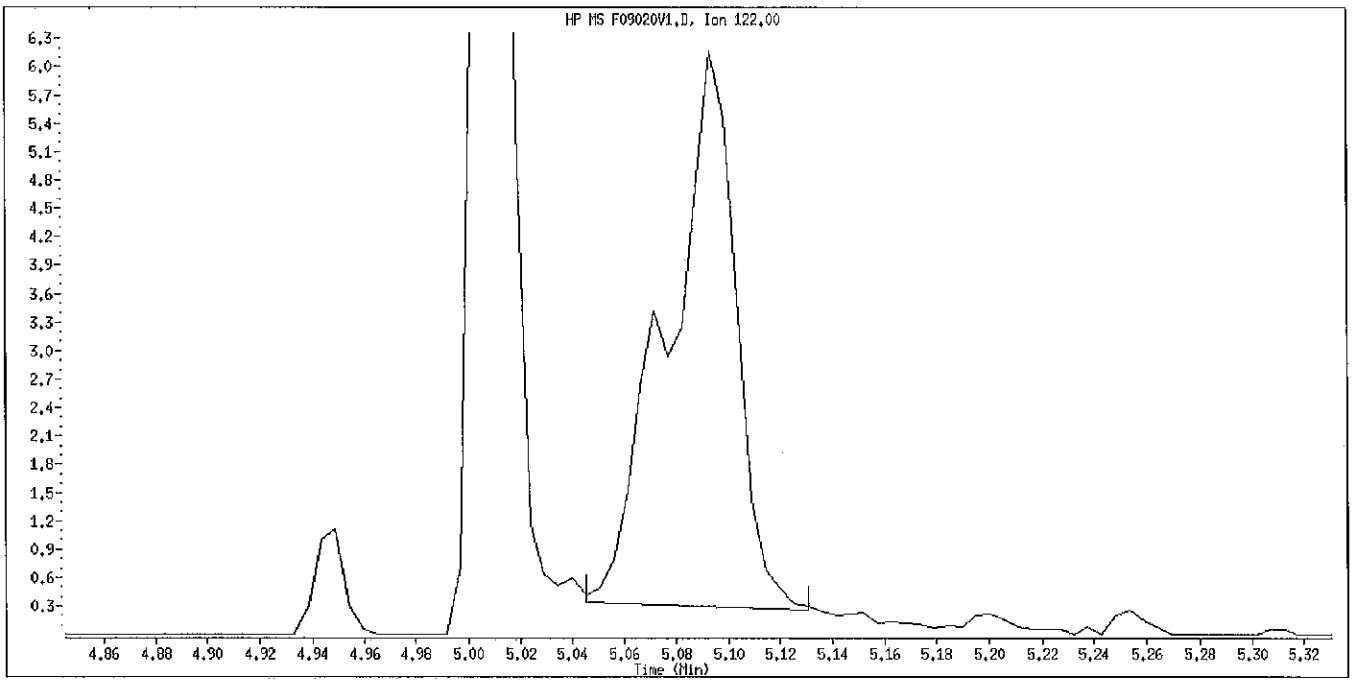
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File Name: F09020V1.D
Inj. Date and Time: 02-SEP-2010 04:20
Instrument ID: 722.i
Client ID: SSTDVER
Compound Name: Benzoic Acid
CAS #: 65-85-0



Original Integration



Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

Test America Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 722.i Injection Date: 26-OCT-2010 22:57
Lab File ID: F10270C2.D Init. Cal. Date(s): 02-SEP-2010 02-SEP-2010
Analysis Type: Init. Cal. Times: 01:40 04:00
Lab Sample ID: sstd4 Quant Type: ISTD
Method: \\PITSVR06\d\chem\722.i\102710.b\LL.m

COMPOUND	RRF / AMOUNT	RF4	CCAL RRF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
198 1,4-Dioxane	4.00000	0.18371	0.15640	0.010	95.40726	25.00000	Quadratic	<-
220 Benzaldehyde	4.00000	2.98822	1.11877	0.010	25.29438	25.00000	Quadratic	<-
10 N-Nitrosodimethylamine	0.85925	0.85159	0.85159	0.010	0.89099	25.00000	Averaged	
9 Pyridine	1.57817	1.32029	1.32029	0.010	16.34056	25.00000	Averaged	
16 Methyl methanesulfonate	0.70229	0.76539	0.76539	0.010	-8.98424	25.00000	Averaged	
21 Aniline	2.01774	1.72331	1.72331	0.010	14.59172	25.00000	Averaged	
22 Phenol	1.79935	1.73634	1.73634	0.010	3.50200	20.00000	Averaged	
23 bis(2-Chloroethyl)ether	1.31825	1.38146	1.38146	0.010	-4.79448	25.00000	Averaged	
24 2-Chlorophenol	1.43403	1.46665	1.46665	0.010	-2.27477	25.00000	Averaged	
26 1,3-Dichlorobenzene	1.66205	1.67465	1.67465	0.010	-0.75831	25.00000	Averaged	
27 1,4-Dichlorobenzene	1.65749	1.64557	1.64557	0.010	0.71888	20.00000	Averaged	
28 1,2-Dichlorobenzene	1.58135	1.56259	1.56259	0.010	1.18647	25.00000	Averaged	
227 Indene	2.43163	2.42587	2.42587	0.010	0.23699	25.00000	Averaged	
29 Benzyl Alcohol	4.00000	1.43490	0.23746	0.010	64.12750	25.00000	Quadratic	<-
30 2-Methylphenol	4.00000	3.71870	1.15574	0.010	7.03238	25.00000	Quadratic	
31 2,2'-oxybis(1-Chloropropane	1.22934	1.32329	1.32329	0.010	-7.64237	25.00000	Averaged	
37 Acetophenone	1.88477	1.86007	1.86007	0.010	1.31052	25.00000	Averaged	
32 N-Nitroso-di-n-propylamine	0.98559	0.97034	0.97034	0.050	1.54688	25.00000	Averaged	
192 4-Methylphenol	1.23570	1.11277	1.11277	0.010	9.94757	25.00000	Averaged	
34 Hexachloroethane	0.61799	0.64058	0.64058	0.010	-3.65621	25.00000	Averaged	
35 Nitrobenzene	0.41642	0.43414	0.43414	0.010	-4.25436	25.00000	Averaged	
36 N-Nitrosopyrrolidine	0.63741	0.60811	0.60811	0.010	4.59658	25.00000	Averaged	
41 Isophorone	0.68574	0.67534	0.67534	0.010	1.51673	25.00000	Averaged	
42 2-Nitrophenol	0.20424	0.20186	0.20186	0.010	1.16277	20.00000	Averaged	
43 2,4-Dimethylphenol	0.38519	0.35162	0.35162	0.010	8.71389	25.00000	Averaged	
44 bis(2-Chloroethoxy)methane	0.39962	0.39571	0.39571	0.010	0.97889	25.00000	Averaged	
48 2,4-Dichlorophenol	0.29892	0.30683	0.30683	0.010	-2.64797	20.00000	Averaged	
49 Benzoic Acid	0.15959	0.24266	0.24266	0.010	-52.05706	25.00000	Averaged	<-
50 1,2,4-Trichlorobenzene	0.33906	0.33011	0.33011	0.010	2.63921	25.00000	Averaged	
51 Naphthalene	1.06103	1.09363	1.09363	0.010	-3.07257	25.00000	Averaged	
52 4-Chloroaniline	0.43883	0.42516	0.42516	0.010	3.11498	25.00000	Averaged	
54 2,6-Dichlorophenol	0.29621	0.27984	0.27984	0.010	5.52886	25.00000	Averaged	
56 Hexachlorobutadiene	0.20136	0.19942	0.19942	0.010	0.96596	20.00000	Averaged	
221 Caprolactam	0.10082	0.08557	0.08557	0.010	15.13230	25.00000	Averaged	
59 4-Chloro-3-Methylphenol	0.30845	0.30417	0.30417	0.010	1.38915	20.00000	Averaged	
62 2-Methylnaphthalene	0.69844	0.68015	0.68015	0.010	2.61806	25.00000	Averaged	
205 1-Methylnaphthalene	0.66720	0.66254	0.66254	0.010	0.69762	25.00000	Averaged	
64 Hexachlorocyclopentadiene	4.00000	2.96920	0.21277	0.050	25.77009	25.00000	Quadratic	<-
65 1,2,4,5-Tetrachlorobenzene	0.57667	0.62561	0.62561	0.010	-8.48698	25.00000	Averaged	
66 2,4,6-Trichlorophenol	0.37757	0.37989	0.37989	0.010	-0.61477	20.00000	Averaged	
67 2,4,5-Trichlorophenol	0.39535	0.41964	0.41964	0.010	-6.14375	25.00000	Averaged	
222 1,1'-Biphenyl	1.52213	1.57970	1.57970	0.010	-3.78253	25.00000	Averaged	

Test America Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 722.i Injection Date: 26-OCT-2010 22:57
Lab File ID: F10270C2.D Init. Cal. Date(s): 02-SEP-2010 02-SEP-2010
Analysis Type: Init. Cal. Times: 01:40 04:00
Lab Sample ID: sstd4 Quant Type: ISTD
Method: \\PITSVR06\d\chem\722.i\102710.b\LL.m

COMPOUND	RRF / AMOUNT	RF4	CCAL RRF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
70 2-Chloronaphthalene	1.17117	1.20444	1.20444	0.010	-2.84099	25.00000	Averaged	
73 2-Nitroaniline	0.34288	0.35028	0.35028	0.010	-2.15931	25.00000	Averaged	
76 Dimethylphthalate	1.28775	1.26641	1.26641	0.010	1.65714	25.00000	Averaged	
78 2,6-Dinitrotoluene	0.29817	0.28000	0.28000	0.010	6.09453	25.00000	Averaged	
79 Acenaphthylene	1.84064	1.91190	1.91190	0.010	-3.87173	25.00000	Averaged	
81 3-Nitroaniline	0.30973	0.29977	0.29977	0.010	3.21294	25.00000	Averaged	
82 Acenaphthene	1.14562	1.19031	1.19031	0.010	-3.90167	20.00000	Averaged	
83 2,4-Dinitrophenol	10.00000	10.58841	0.12778	0.050	-5.88414	25.00000	Quadratic	
85 4-Nitrophenol	0.20528	0.18085	0.18085	0.050	11.90186	25.00000	Averaged	
86 Dibenzofuran	1.61260	1.63814	1.63814	0.010	-1.58325	25.00000	Averaged	
87 2,4-Dinitrotoluene	0.39074	0.37293	0.37293	0.010	4.55647	25.00000	Averaged	
91 2,3,5,6-Tetrachlorophenol	0.30991	0.29503	0.29503	0.010	4.80068	25.00000	Averaged	
88 2,3,4,6-Tetrachlorophenol	0.31864	0.27762	0.27762	0.010	12.87298	25.00000	Averaged	
92 2-Naphthylamine	1.03125	0.74732	0.74732	0.010	27.53270	25.00000	Averaged	<-
93 Diethylphthalate	1.26443	1.26009	1.26009	0.010	0.34291	25.00000	Averaged	
94 Fluorene	1.32293	1.24474	1.24474	0.010	5.91036	25.00000	Averaged	
95 4-Chlorophenyl-phenylether	0.64588	0.61278	0.61278	0.010	5.12425	25.00000	Averaged	
96 4-Nitroaniline	0.31237	0.23650	0.23650	0.010	24.28650	25.00000	Averaged	
98 4,6-Dinitro-2-methylphenol	10.00000	10.82626	0.14158	0.010	-8.26264	25.00000	Quadratic	
99 N-Nitrosodiphenylamine	0.57056	0.61123	0.61123	0.010	-7.12817	20.00000	Averaged	
100 1,2-Diphenylhydrazine	0.91197	1.01234	1.01234	0.010	-11.00596	25.00000	Averaged	
106 4-Bromophenyl-phenylether	0.22273	0.24229	0.24229	0.010	-8.78554	25.00000	Averaged	
107 Hexachlorobenzene	0.21237	0.23189	0.23189	0.010	-9.19298	25.00000	Averaged	
223 Atrazine	0.22926	0.21179	0.21179	0.010	7.61914	25.00000	Averaged	
111 Pentachlorophenol	0.14407	0.17039	0.17039	0.025	-18.26800	20.00000	Averaged	
115 Phenanthrene	1.13656	1.19597	1.19597	0.010	-5.22703	25.00000	Averaged	
116 Anthracene	1.13890	1.22187	1.22187	0.010	-7.28510	25.00000	Averaged	
119 Carbazole	1.02667	1.03555	1.03555	0.010	-0.86564	25.00000	Averaged	
120 Di-n-Butylphthalate	1.31431	1.27191	1.27191	0.010	3.22581	25.00000	Averaged	
123 Fluoranthene	1.14670	1.09131	1.09131	0.010	4.83050	20.00000	Averaged	
124 Benzidine	0.51345	0.42975	0.42975	0.010	16.30284	25.00000	Averaged	
125 Pyrene	1.24657	1.32297	1.32297	0.010	-6.12911	25.00000	Averaged	
131 Butylbenzylphthalate	0.62363	0.62115	0.62115	0.010	0.39797	25.00000	Averaged	
135 3,3'-Dichlorobenzidine	0.40493	0.35856	0.35856	0.010	11.45050	25.00000	Averaged	
136 Benzo(a)Anthracene	1.13959	1.13729	1.13729	0.010	0.20143	25.00000	Averaged	
137 Chrysene	1.08578	1.08511	1.08511	0.010	0.06098	25.00000	Averaged	
139 bis(2-ethylhexyl)Phthalate	0.89221	0.87515	0.87515	0.010	1.91150	25.00000	Averaged	
140 Di-n-octylphthalate	1.58748	1.43638	1.43638	0.010	9.51871	20.00000	Averaged	
141 Benzo(b)fluoranthene	1.33059	1.17249	1.17249	0.010	11.88192	25.00000	Averaged	
142 Benzo(k)fluoranthene	1.25838	1.28622	1.28622	0.010	-2.21313	25.00000	Averaged	
143 7,12-dimethylbenz[a]anthrac	0.60342	0.45788	0.45788	0.010	24.11909	25.00000	Averaged	
146 Benzo(a)pyrene	0.98040	0.96837	0.96837	0.010	1.22780	20.00000	Averaged	

Test America Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 722.i Injection Date: 26-OCT-2010 22:57
Lab File ID: F10270C2.D Init. Cal. Date(s): 02-SEP-2010 02-SEP-2010
Analysis Type: Init. Cal. Times: 01:40 04:00
Lab Sample ID: sstd4 Quant Type: ISTD
Method: \\PITSVR06\d\chem\722.i\102710.b\LL.m

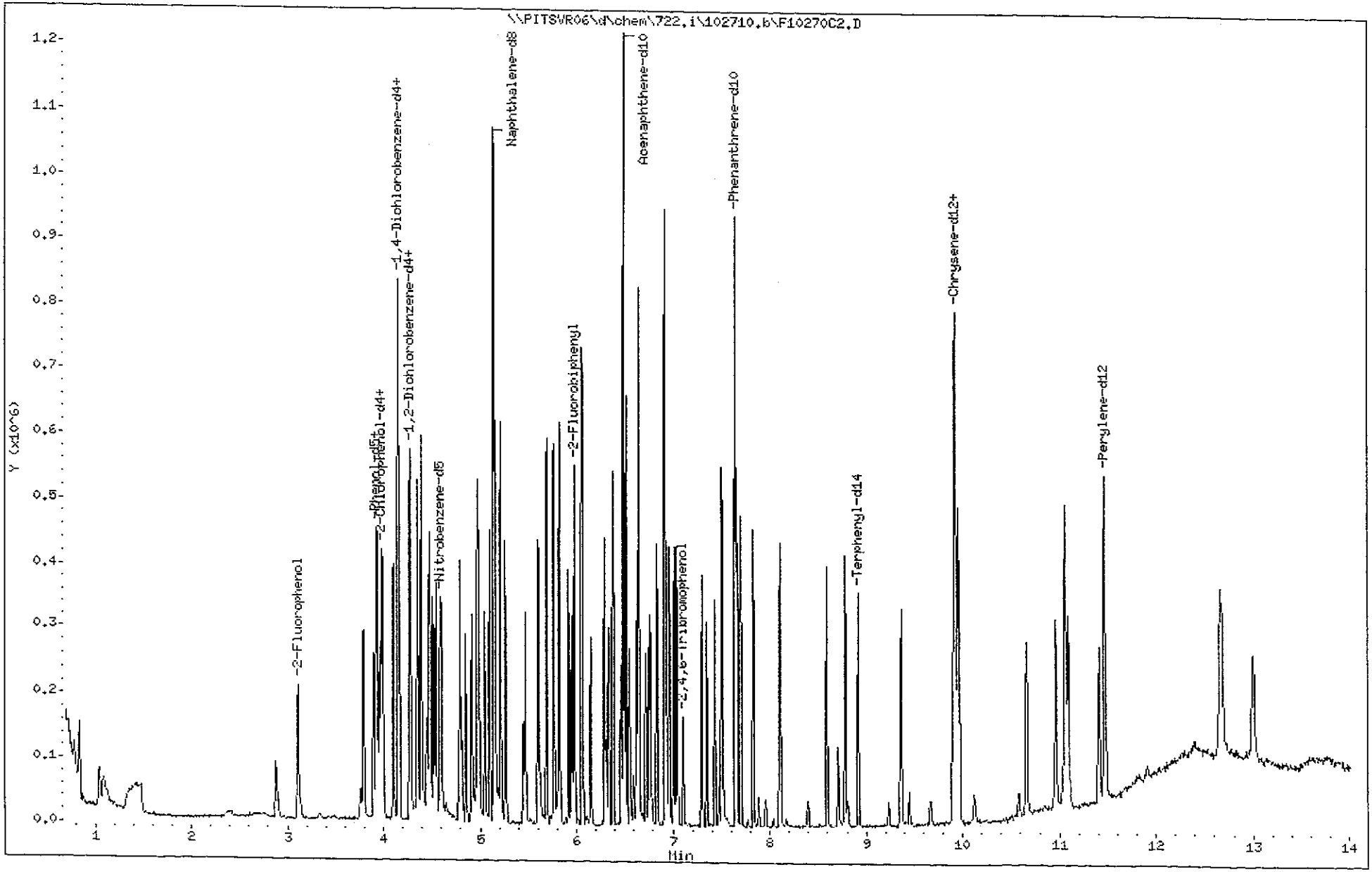
COMPOUND	RRF / AMOUNT	RF4	CCAL RRF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
149 Indeno(1,2,3-cd)pyrene	1.22911	1.24844	1.24844	0.010	-1.57281	25.00000	Averaged
150 Dibenz(a,h)anthracene	1.01714	1.01380	1.01380	0.010	0.32853	25.00000	Averaged
151 Benzo(g,h,i)perylene	1.03753	1.06391	1.06391	0.010	-2.54292	25.00000	Averaged
$ 154 Nitrobenzene-d5	0.41103	0.41624	0.41624	0.010	-1.26790	25.00000	Averaged
$ 155 2-Fluorobiphenyl	1.32427	1.35157	1.35157	0.010	-2.06150	25.00000	Averaged
$ 156 Terphenyl-d14	0.82732	0.86732	0.86732	0.010	-4.83481	25.00000	Averaged
$ 157 Phenol-d5	1.61305	1.57787	1.57787	0.010	2.18114	25.00000	Averaged
$ 158 2-Fluorophenol	1.17034	1.30631	1.30631	0.010	-11.61814	25.00000	Averaged
$ 159 2,4,6-Tribromophenol	0.08790	0.08855	0.08855	0.010	-0.73613	25.00000	Averaged
$ 186 2-Chlorophenol-d4	1.42872	1.48092	1.48092	0.010	-3.65382	25.00000	Averaged
$ 187 1,2-Dichlorobenzene-d4	0.98285	0.99621	0.99621	0.010	-1.35938	25.00000	Averaged

Data File: \\PITSVR06\d\chem\722.i\102710.b\F10270C2.D
Date : 26-OCT-2010 22:57
Client ID: SSTD4
Sample Info: SSTD4 (2ug/ml) BNA0823-10

Column phase: Hp5-MS

Instrument: 722.i

Operator: 007062
Column diameter: 0.25



Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\d\chem\722.i\102710.b\F10270C2.D
Lab Smp Id: sstd4 Client Smp ID: SSTD4
Inj Date : 26-OCT-2010 22:57
Operator : 007062 Inst ID: 722.i
Smp Info : SSTD4 (2ug/ml) BNA0823-10
Misc Info : sstd4,102710.b,ll.m,2-root.sub,2,3
Comment :
Method : \\PITSVR06\d\chem\722.i\102710.b\LL.m
Meth Date : 26-Oct-2010 23:42 722.i Quant Type: ISTD
Cal Date : 02-SEP-2010 04:00 Cal File: F09020C8.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2-root.sub
Target Version: 4.14
Processing Host: PITPC-503

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.155	4.155	(1.000)	118698	8.00000	
* 2	Naphthalene-d8	136	5.138	5.138	(1.000)	426707	8.00000	
* 3	Acenaphthene-d10	164	6.490	6.490	(1.000)	217037	8.00000	
* 4	Phenanthrene-d10	188	7.644	7.644	(1.000)	291678	8.00000	
* 5	Chrysene-d12	240	9.925	9.925	(1.000)	251325	8.00000	
* 6	Perylene-d12	264	11.469	11.469	(1.000)	239546	8.00000	
198	1,4-Dioxane	88	0.779	0.779	(0.188)	9282	4.00000	0.18371
220	Benzaldehyde	77	3.798	3.798	(0.914)	66398	4.00000	2.9882
10	N-Nitrosodimethylamine	74	1.046	1.046	(0.252)	50541	4.00000	3.9644
9	Pyridine	79	1.089	1.089	(0.262)	78358	4.00000	3.3464(M)
16	Methyl methanesulfonate	80	2.884	2.884	(0.694)	45425	4.00000	4.3594
21	Aniline	93	3.899	3.899	(0.938)	102277	4.00000	3.4163
22	Phenol	94	3.936	3.936	(0.947)	103050	4.00000	3.8599
23	bis(2-Chloroethyl)ether	93	3.963	3.963	(0.954)	81988	4.00000	4.1918
24	2-Chlorophenol	128	3.995	3.995	(0.961)	87044	4.00000	4.0910
26	1,3-Dichlorobenzene	146	4.107	4.107	(0.988)	99389	4.00000	4.0303
27	1,4-Dichlorobenzene	146	4.166	4.166	(1.003)	97663	4.00000	3.9712
28	1,2-Dichlorobenzene	146	4.284	4.284	(1.031)	92738	4.00000	3.9525
227	Indene	116	4.353	4.353	(1.048)	143973	4.00000	3.9905(A)
29	Benzyl Alcohol	108	4.284	4.284	(1.031)	14093	4.00000	1.4349
30	2-Methylphenol	108	4.396	4.396	(1.058)	68592	4.00000	3.7187
31	2,2'-oxybis(1-Chloropropane)	45	4.391	4.391	(1.057)	78536	4.00000	4.3057
37	Acetophenone	105	4.476	4.476	(1.077)	110393	4.00000	3.9476
32	N-Nitroso-di-n-propylamine	70	4.487	4.487	(1.080)	57589	4.00000	3.9381
192	4-Methylphenol	108	4.513	4.513	(1.086)	66042	4.00000	3.6021
34	Hexachloroethane	117	4.545	4.545	(1.094)	38018	4.00000	4.1462
35	Nitrobenzene	77	4.604	4.604	(0.896)	92625	4.00000	4.1702
36	N-Nitrosopyrrolidine	100	4.455	4.455	(1.072)	36091	4.00000	3.8161
41	Isophorone	82	4.791	4.791	(0.932)	144086	4.00000	3.9393
42	2-Nitrophenol	139	4.855	4.855	(0.945)	43068	4.00000	3.9535
43	2,4-Dimethylphenol	107	4.914	4.914	(0.956)	75020	4.00000	3.6514
44	bis(2-Chloroethoxy)methane	93	4.973	4.973	(0.968)	84426	4.00000	3.9608
48	2,4-Dichlorophenol	162	5.053	5.053	(0.983)	65464	4.00000	4.1059

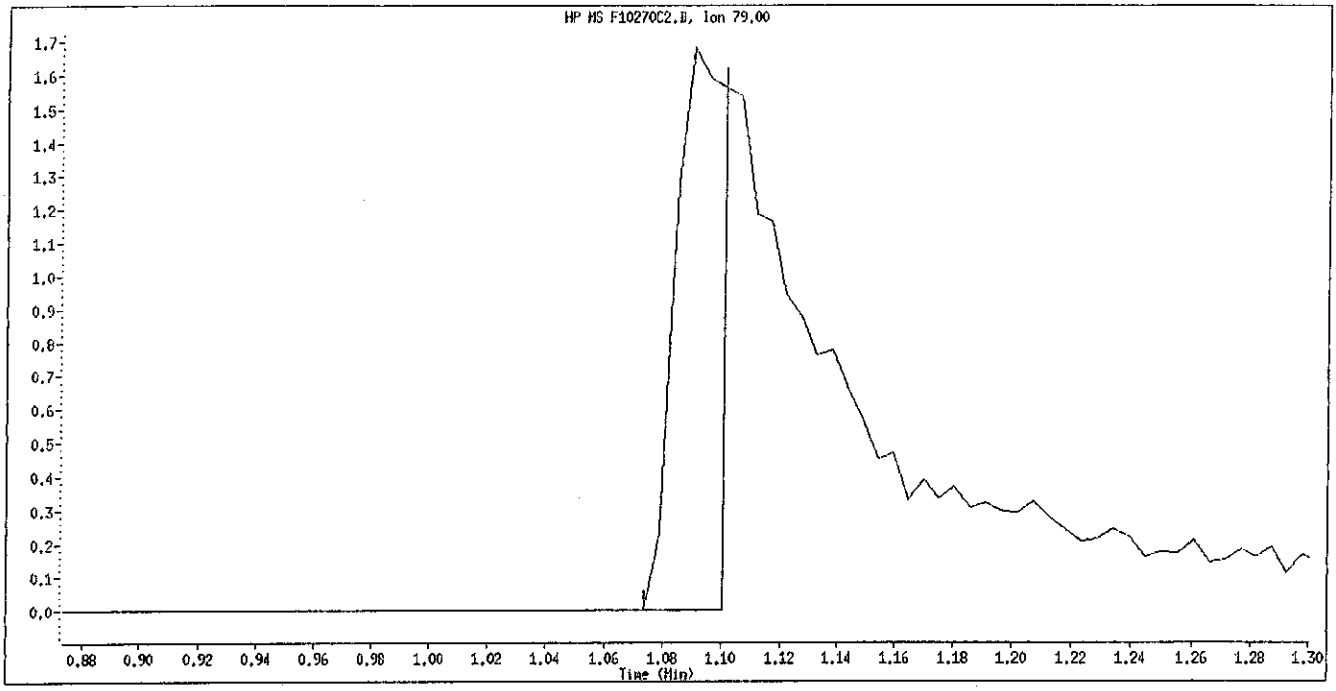
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	4.989	4.989	(0.971)	129433	10.0000	15.206
50 1,2,4-Trichlorobenzene	180	5.106	5.106	(0.994)	70430	4.00000	3.8944
51 Naphthalene	128	5.154	5.154	(1.003)	233330	4.00000	4.1229
52 4-Chloroaniline	127	5.213	5.213	(1.015)	90709	4.00000	3.8754
54 2,6-Dichlorophenol	162	5.219	5.219	(1.016)	59704	4.00000	3.7788
56 Hexachlorobutadiene	225	5.267	5.267	(1.025)	42546	4.00000	3.9614
221 Caprolactam	113	5.454	5.454	(1.061)	18256	4.00000	3.3947
59 4-Chloro-3-Methylphenol	107	5.603	5.603	(1.090)	64895	4.00000	3.9444
62 2-Methylnaphthalene	142	5.694	5.694	(1.108)	145113	4.00000	3.8953
205 1-Methylnaphthalene	142	5.769	5.769	(1.123)	141356	4.00000	3.9721
64 Hexachlorocyclopentadiene	237	5.822	5.822	(0.897)	23089	4.00000	2.9692
65 1,2,4,5-Tetrachlorobenzene	216	5.828	5.828	(0.898)	67890	4.00000	4.3395
66 2,4,6-Trichlorophenol	196	5.918	5.918	(0.912)	41225	4.00000	4.0246
67 2,4,5-Trichlorophenol	196	5.950	5.950	(0.917)	45539	4.00000	4.2457
222 1,1'-Biphenyl	154	6.052	6.052	(0.933)	171427	4.00000	4.1513
70 2-Chloronaphthalene	162	6.063	6.063	(0.934)	130704	4.00000	4.1136
73 2-Nitroaniline	65	6.148	6.148	(0.947)	38012	4.00000	4.0864
76 Dimethylphthalate	163	6.292	6.292	(0.970)	137429	4.00000	3.9337
78 2,6-Dinitrotoluene	165	6.335	6.335	(0.976)	30385	4.00000	3.7562
79 Acenaphthylene	152	6.383	6.383	(0.984)	207477	4.00000	4.1549
81 3-Nitroaniline	138	6.463	6.463	(0.996)	32531	4.00000	3.8715
82 Acenaphthene	153	6.517	6.517	(1.004)	129171	4.00000	4.1561
83 2,4-Dinitrophenol	184	6.549	6.549	(1.009)	34665	10.0000	10.588
85 4-Nitrophenol	109	6.624	6.624	(1.021)	49063	10.0000	8.8098
86 Dibenzofuran	168	6.650	6.650	(1.025)	177768	4.00000	4.0633
87 2,4-Dinitrotoluene	165	6.650	6.650	(1.025)	40470	4.00000	3.8177
91 2,3,5,6-Tetrachlorophenol	232	6.725	6.725	(1.036)	32016	4.00000	3.8080
88 2,3,4,6-Tetrachlorophenol	232	6.757	6.757	(1.041)	30127	4.00000	3.4851
92 2-Naphthylamine	143	6.773	6.773	(1.044)	81098	4.00000	2.8987
93 Diethylphthalate	149	6.837	6.837	(1.053)	136743	4.00000	3.9863
94 Fluorene	166	6.917	6.917	(1.066)	135077	4.00000	3.7636
95 4-Chlorophenyl-phenylether	204	6.917	6.917	(1.066)	66498	4.00000	3.7950
96 4-Nitroaniline	138	6.933	6.933	(1.068)	25665	4.00000	3.0285
98 4,6-Dinitro-2-methylphenol	198	6.965	6.965	(0.911)	51618	10.0000	10.826
99 N-Nitrosodiphenylamine	169	7.014	7.014	(0.918)	89141	4.00000	4.2851
100 1,2-Diphenylhydrazine	77	7.040	7.040	(0.921)	147638	4.00000	4.4402
106 4-Bromophenyl-phenylether	248	7.297	7.297	(0.955)	35336	4.00000	4.3514
107 Hexachlorobenzene	284	7.350	7.350	(0.962)	33819	4.00000	4.3677
223 Atrazine	200	7.430	7.430	(0.972)	30887	4.00000	3.6952
111 Pentachlorophenol	266	7.505	7.505	(0.982)	62123	10.0000	11.827
115 Phenanthrene	178	7.660	7.660	(1.002)	174419	4.00000	4.2091
116 Anthracene	178	7.697	7.697	(1.007)	178196	4.00000	4.2914
119 Carbazole	167	7.831	7.831	(1.024)	151024	4.00000	4.0346
120 Di-n-Butylphthalate	149	8.109	8.109	(1.061)	185494	4.00000	3.8710
123 Fluoranthene	202	8.595	8.595	(1.124)	159156	4.00000	3.8068
124 Benzidine	184	8.712	8.712	(0.878)	54003	4.00000	3.3479
125 Pyrene	202	8.782	8.782	(0.885)	166248	4.00000	4.2452
131 Butylbenzylphthalate	149	9.369	9.369	(0.944)	78055	4.00000	3.9841
135 3,3'-Dichlorobenzidine	252	9.898	9.898	(0.997)	45058	4.00000	3.5420
136 Benzo(a)Anthracene	228	9.914	9.914	(0.999)	142915	4.00000	3.9919
137 Chrysene	228	9.957	9.957	(1.003)	136358	4.00000	3.9976
139 bis(2-ethylhexyl)Phthalate	149	9.968	9.968	(1.004)	109974	4.00000	3.9235
140 Di-n-octylphthalate	149	10.668	10.668	(0.930)	172039	4.00000	3.6192
141 Benzo(b)fluoranthene	252	11.063	11.063	(0.965)	140433	4.00000	3.5247

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
142 Benzo(k)fluoranthene	252	11.095	11.095	(0.967)	154055	4.00000	4.0885
143 7,12-dimethylbenz[a]anthracen	256	11.058	11.058	(0.964)	54842	4.00000	3.0352
146 Benzo(a)pyrene	252	11.410	11.410	(0.995)	115984	4.00000	3.9509
149 Indeno(1,2,3-cd)pyrene	276	12.666	12.666	(1.104)	149530	4.00000	4.0629
150 Dibenz(a,h)anthracene	278	12.682	12.682	(1.106)	121426	4.00000	3.9868
151 Benzo(g,h,i)perylene	276	13.007	13.007	(1.134)	127428	4.00000	4.1017
$ 154 Nitrobenzene-d5	82	4.588	4.588	(0.893)	88807	4.00000	4.0507
$ 155 2-Fluorobiphenyl	172	5.977	5.977	(0.921)	146670	4.00000	4.0825
$ 156 Terphenyl-d14	244	8.921	8.921	(0.899)	108990	4.00000	4.1934
$ 157 Phenol-d5	99	3.926	3.926	(0.945)	93645	4.00000	3.9128
$ 158 2-Fluorophenol	112	3.114	3.114	(0.749)	77528	4.00000	4.4647
$ 159 2,4,6-Tribromophenol	330	7.104	7.104	(0.929)	12914	4.00000	4.0294
$ 186 2-Chlorophenol-d4	132	3.985	3.985	(0.959)	87891	4.00000	4.1462
$ 187 1,2-Dichlorobenzene-d4	152	4.273	4.273	(1.028)	59124	4.00000	4.0544

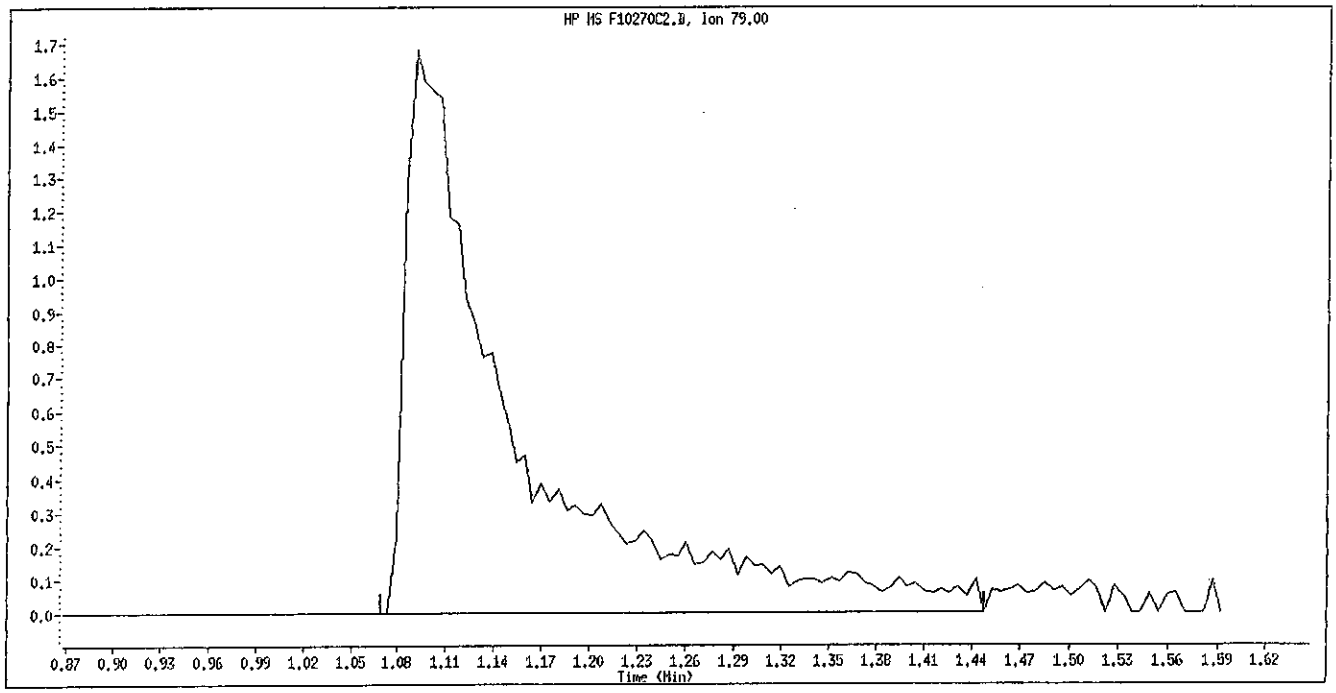
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File Name: F10270C2.D
Inj. Date and Time: 26-OCT-2010 22:57
Instrument ID: 722.i
Client ID: SSTD4
Compound Name: Pyridine
CAS #: 110-86-1



Original Integration



Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Peak Integrated Incorrectly

GC/MS SEMIVOLATILE
QC DATA

Data File: \\PITSVR06\D\chem\722.i\090210.b\F0902DF1.D

Date : 02-SEP-2010 01:24

Client ID: DFTPP

Instrument: 722.i

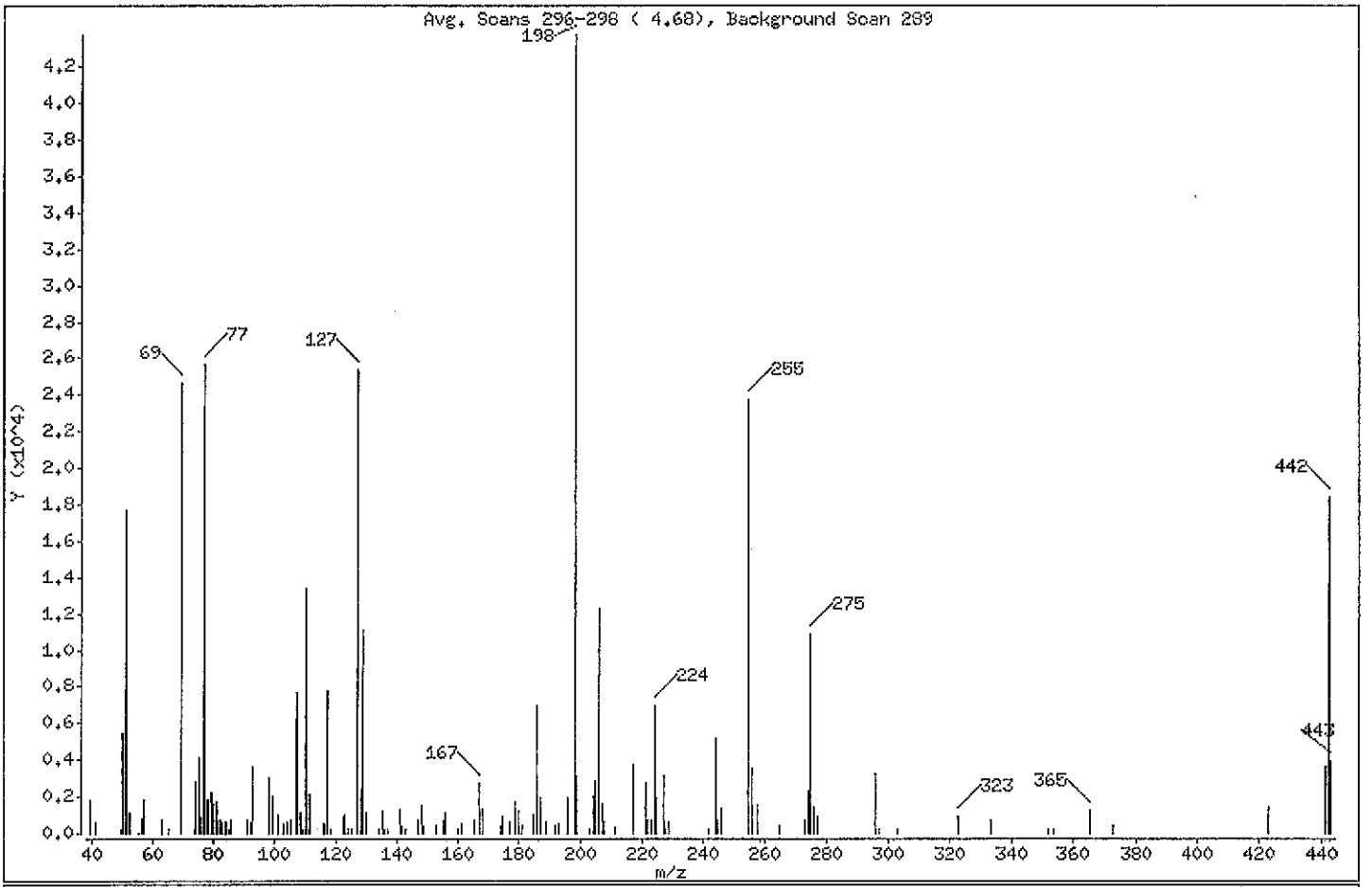
Sample Info: DFTPP050 (25ug/ml) BNA0170-10

Operator: 007062

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	40.46
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	56.25
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	58.00
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.05
275	10.00 - 30.00% of mass 198	24.92
365	Greater than 1.00% of mass 198	2.83
441	Present, but less than mass 443	8.37
442	40.00 - 100.00% of mass 198	42.09
443	17.00 - 23.00% of mass 442	8.87 (21.08)

Date : 02-SEP-2010 01:24

Client ID: DFTPP Instrument: 722.i

Sample Info: DFTPP050 (25ug/ml) BNA0170-10

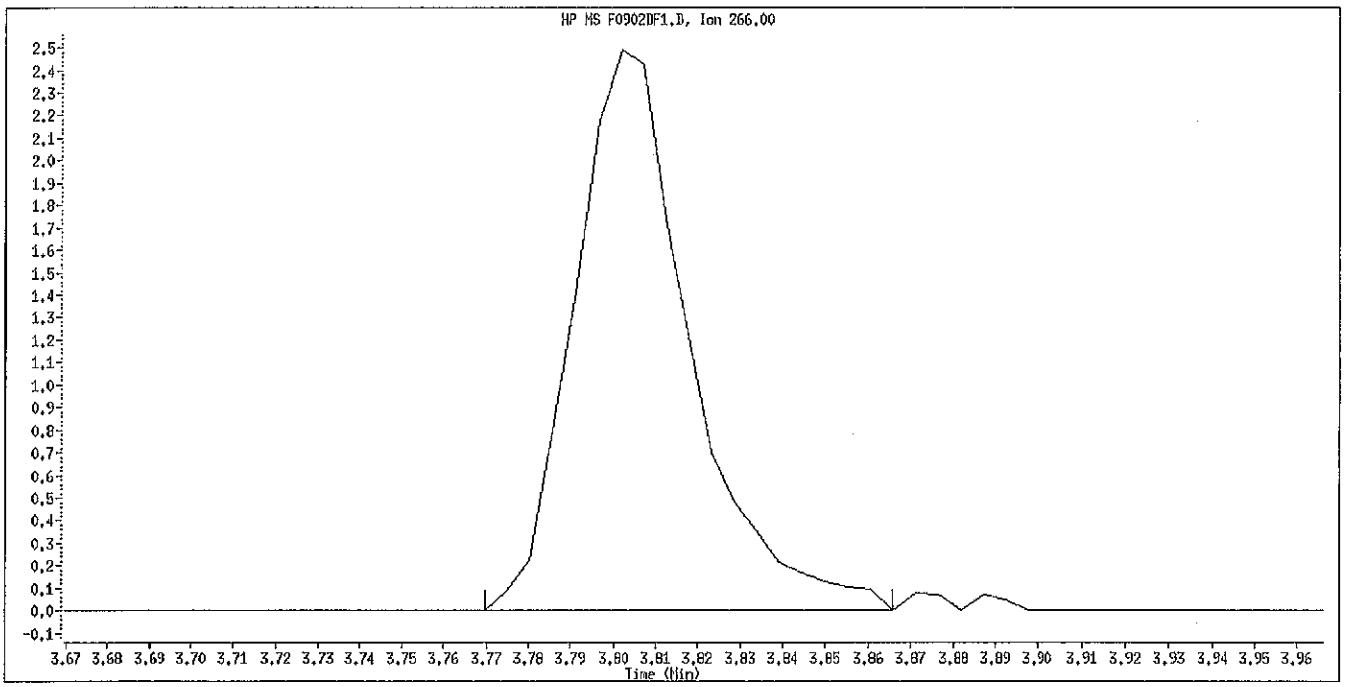
Operator: 007062

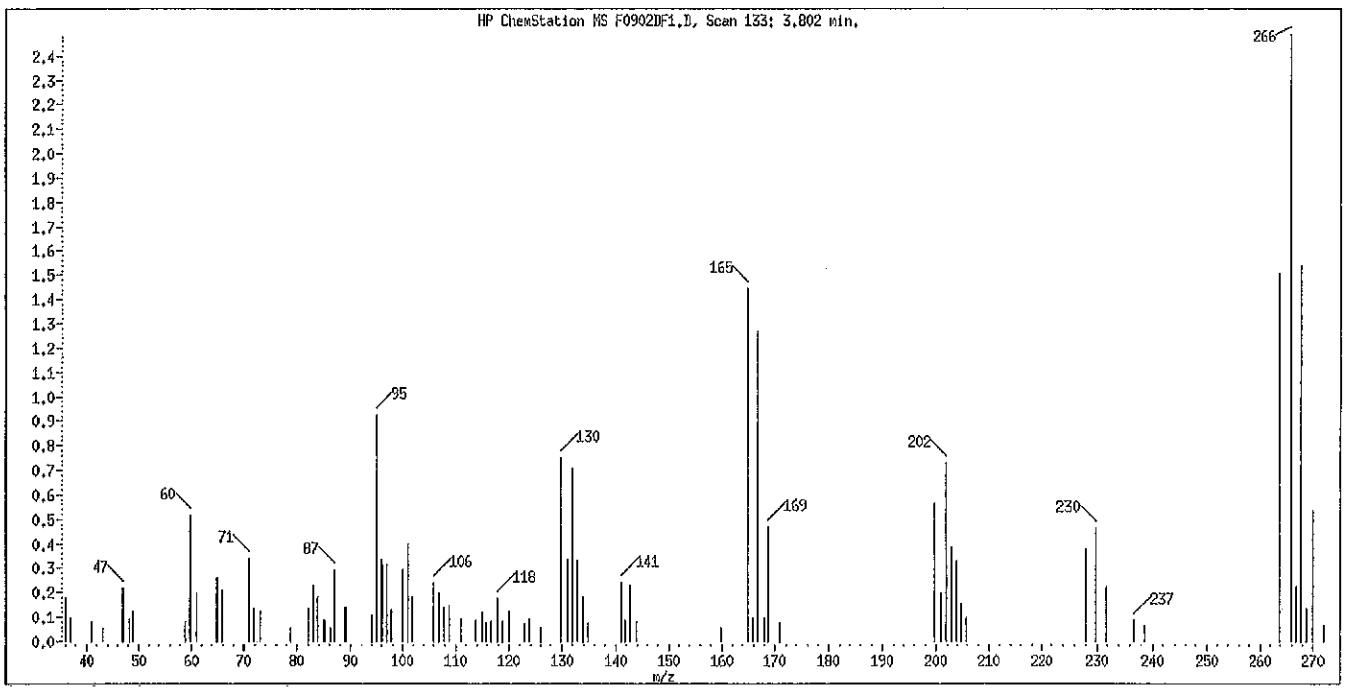
Column phase: Column diameter: 2.00

Data File: F0902DF1.D
Spectrum: Avg. Scans 296-298 (4.68), Background Scan 289
Location of Maximum: 198.00
Number of points: 125

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	1815	104.00	625	161.00	544	227.00	3163
41.00	593	105.00	690	165.00	691	228.00	233
49.00	168	107.00	7668	167.00	2751	229.00	631
50.00	5429	108.00	1113	168.00	1336	242.00	233
51.00	17696	109.00	198	174.00	426	244.00	5110
52.00	1088	110.00	13420	175.00	914	245.00	689
55.00	12	111.00	2125	177.00	644	246.00	1323
56.00	790	116.00	512	179.00	1755	255.00	23696
57.00	1770	117.00	7716	180.00	1209	256.00	3477
63.00	735	118.00	233	181.00	403	258.00	1544
65.00	189	122.00	867	185.00	1005	265.00	440
69.00	24600	123.00	1041	186.00	6955	273.00	743
74.00	2771	124.00	184	187.00	1921	274.00	2333
75.00	4132	125.00	217	189.00	602	275.00	10897
76.00	877	127.00	25368	192.00	370	276.00	1393
77.00	25616	128.00	2385	193.00	547	277.00	892
78.00	1822	129.00	11015	196.00	1951	296.00	3184
79.00	2250	130.00	1121	198.00	43736	297.00	180
80.00	1604	134.00	196	199.00	3083	303.00	171
81.00	1736	135.00	1166	203.00	178	323.00	909
82.00	661	136.00	188	204.00	1966	334.00	673
83.00	620	137.00	170	205.00	2769	352.00	168
84.00	653	141.00	1289	206.00	12310	354.00	175
85.00	223	142.00	409	207.00	1624	365.00	1236
86.00	656	143.00	212	208.00	556	372.00	363
91.00	671	147.00	728	211.00	350	423.00	1447
92.00	653	148.00	1539	217.00	3736	441.00	3660
93.00	3614	149.00	421	221.00	2755	442.00	18408
98.00	3028	153.00	408	222.00	713	443.00	3880
99.00	2027	155.00	754	223.00	738		
101.00	1004	156.00	1108	224.00	6914		
103.00	536	160.00	241	225.00	1880		

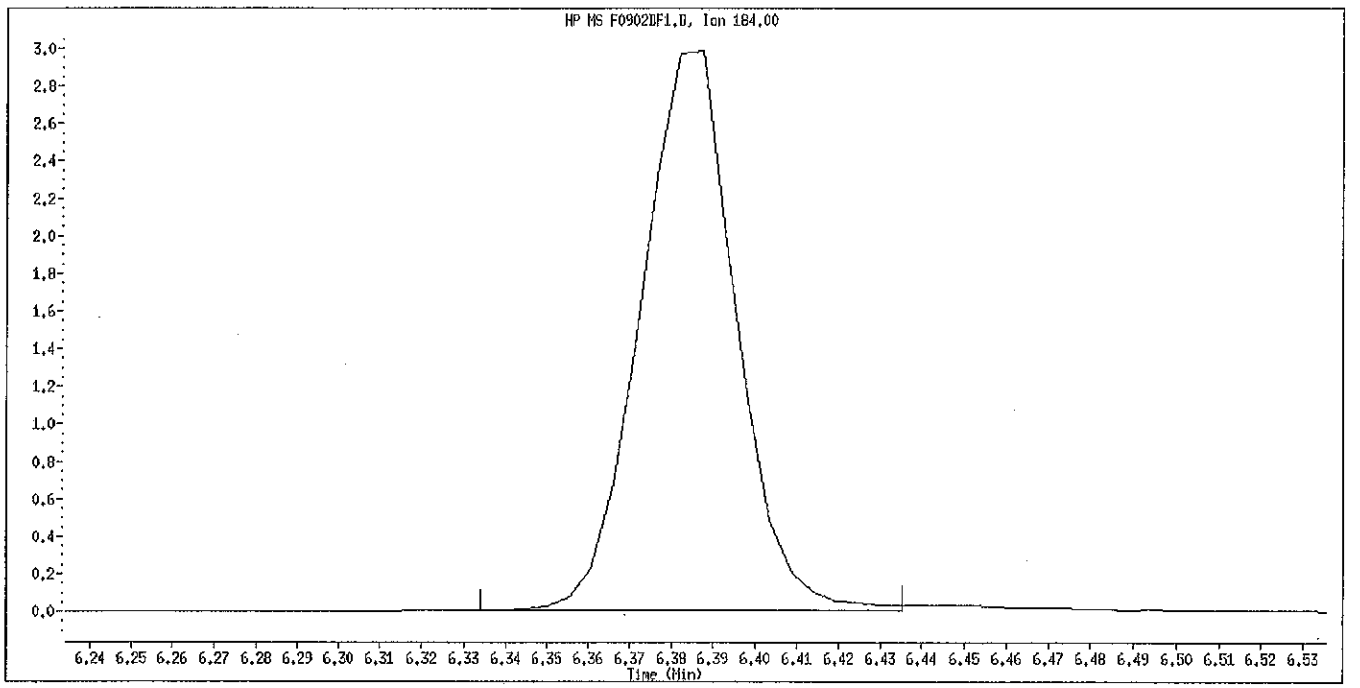
Data File: F0902DF1.D
Inj Date: 02-SEP-2010 01:24
Instrument ID: 722.i
Compound Name: Pentachlorophenol
Operator Name: 007062
Report Date: 09/02/2010

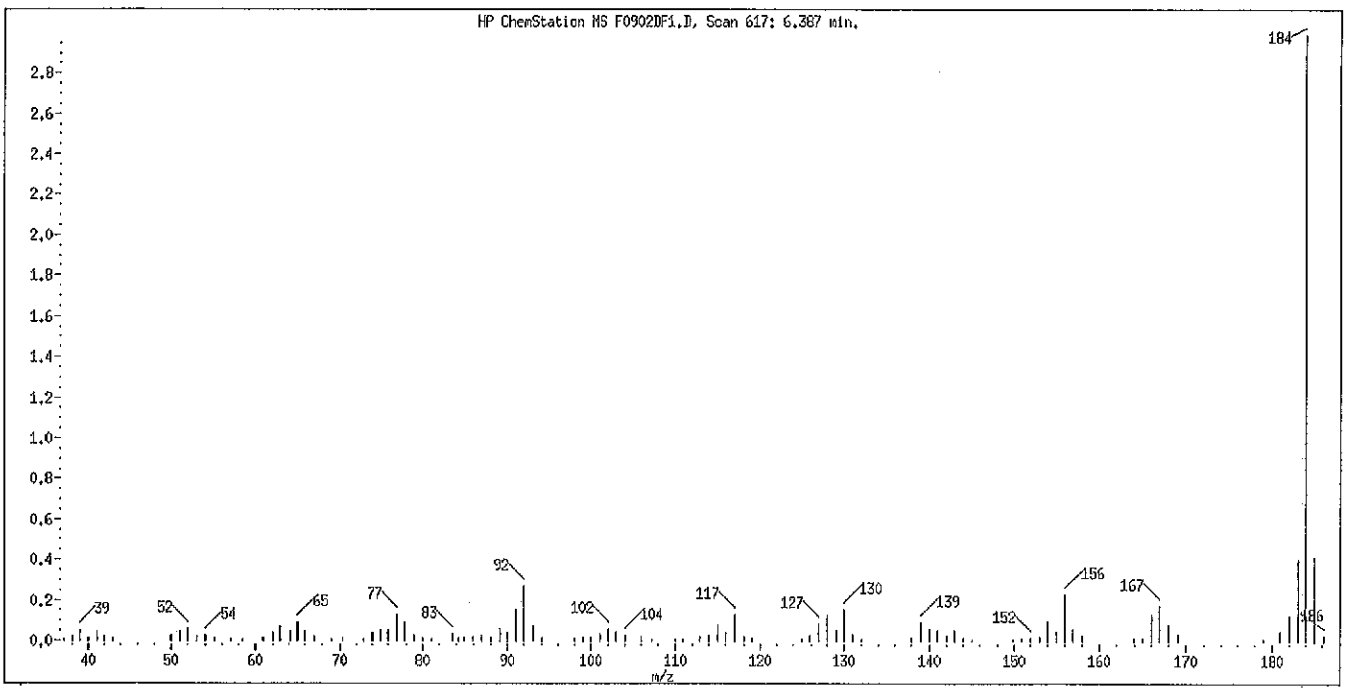




Tailing Factor = 1.71 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 3.780623 T2 = 3.801767 T3 = 3.83791

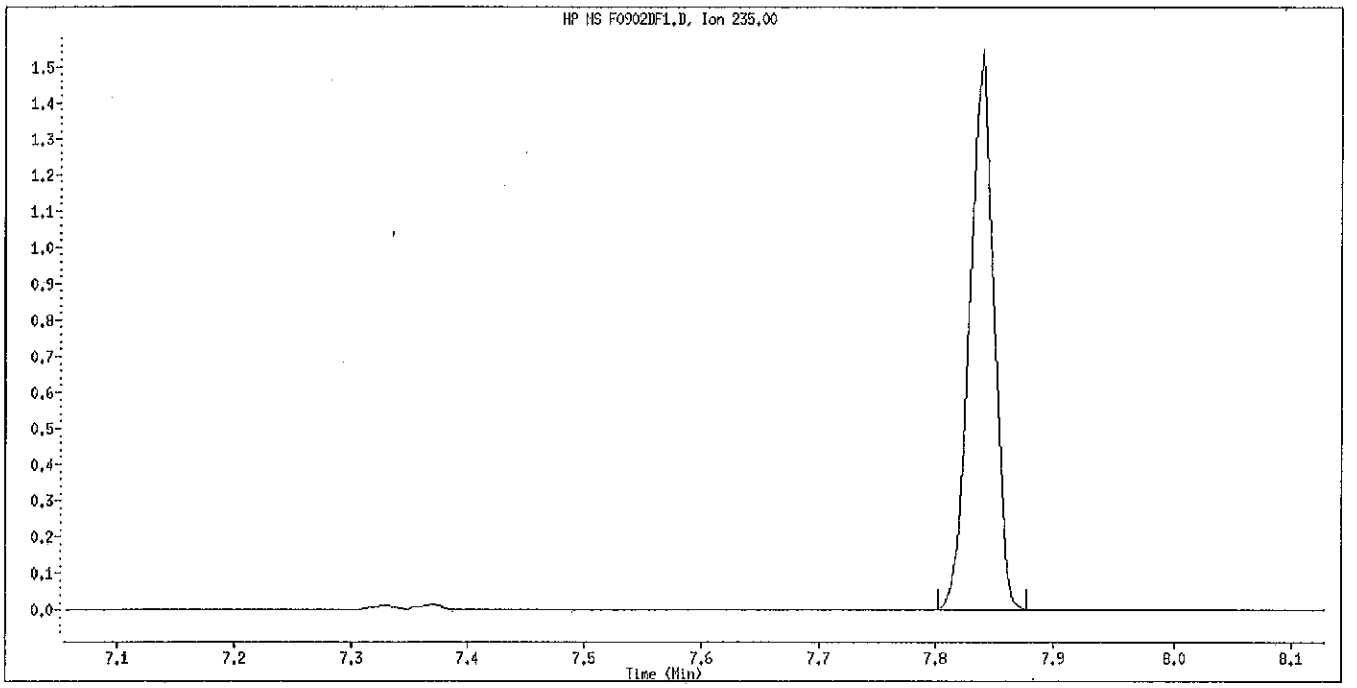
Data File: F0902DF1.D
Inj Date: 02-SEP-2010 01:24
Instrument ID: 722.i
Compound Name: Benzidine
Operator Name: 007062
Report Date: 09/02/2010





Tailing Factor = 0.758 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 6.361563 T2 = 6.38735 T3 = 6.40689

Data File: F0902DF1.D
Inj Date: 02-SEP-2010 01:24
Instrument ID: 722.i
Compound Name: 4,4'-DDT
Operator Name: 007062
Report Date: 09/02/2010



Degradation = 6.33% Good
Acceptance Criteria 0 - 20 %
DDT Area = 218910
DDE Area = 13180
DDD Area = 1609

Data File: \\PITSVR06\D\chem\722.i\090210.b\F0902DF1.D

Page 1

Date : 02-SEP-2010 01:24

Client ID: DFTPP

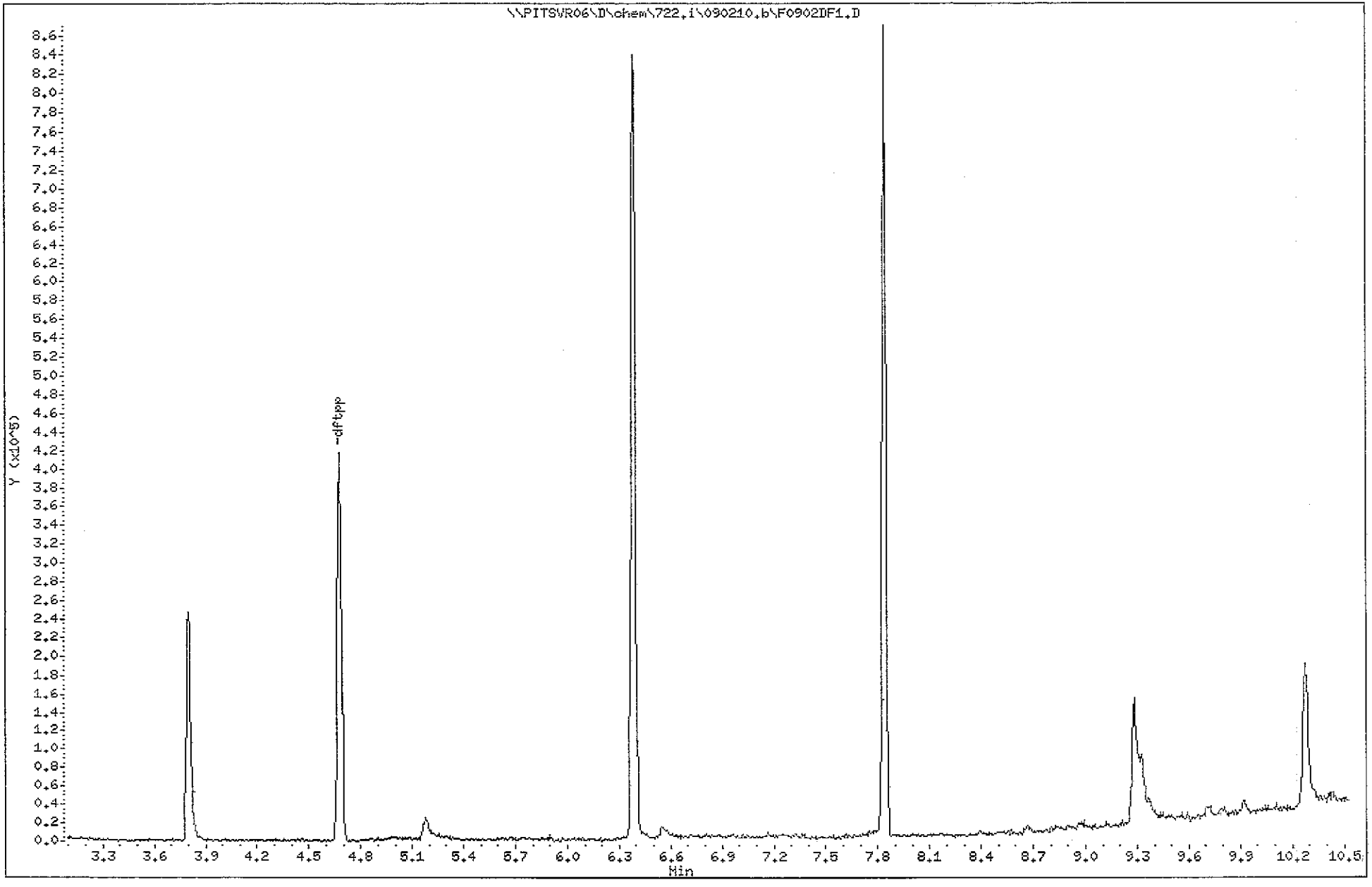
Instrument: 722.i

Sample Info: DFTPP050 (25ug/ml) BNA0170-10

Operator: 007062

Column phase:

Column diameter: 2.00



(1001 - 1250)

1224

C0J210496

Data File: \\PITSVR06\D\chem\722.i\102710.b\F1027DF1.D

Date : 26-OCT-2010 22:18

Client ID: DFTPP

Instrument: 722.i

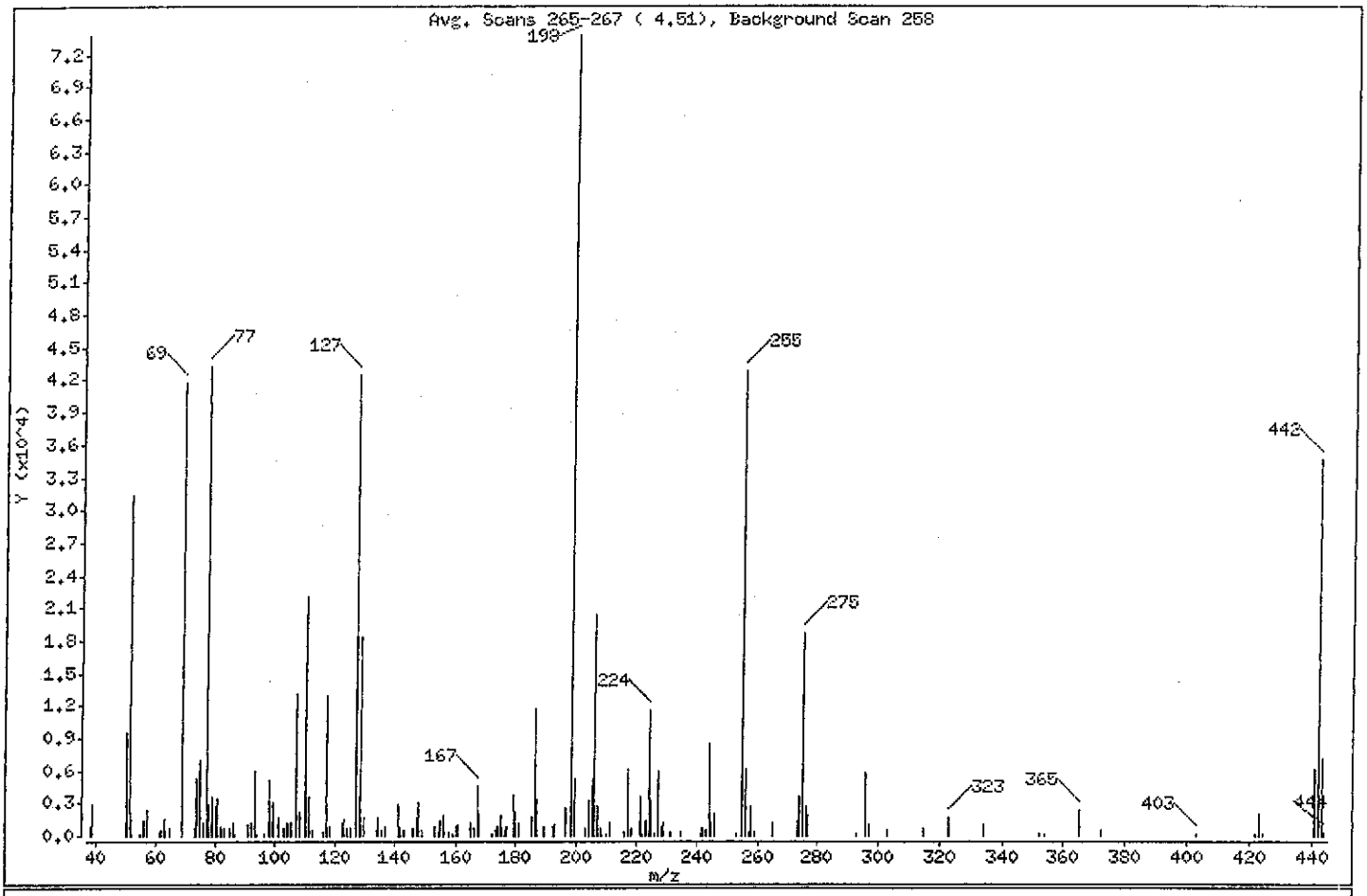
Sample Info: DFTPP050 (25ug/ml) BNA0170-10

Operator: 007062

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	42.53
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	56.44
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	57.45
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.05
275	10.00 - 30.00% of mass 198	25.25
365	Greater than 1.00% of mass 198	3.31
441	Present, but less than mass 443	8.32
442	40.00 - 100.00% of mass 198	46.96
443	17.00 - 23.00% of mass 442	9.57 (20.38)

Date : 26-OCT-2010 22:18

Client ID: DFTPP Instrument: 722.i

Sample Info: DFTPP050 (25ug/ml) BNA0170-10

Operator: 007062

Column phase: Column diameter: 2.00

Data File: F1027DF1.D
Spectrum: Avg. Scans 265-267 (4.51), Background Scan 258
Location of Maximum: 198.00
Number of points: 154

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38.00	789	108.00	2255	173.00	508	241.00	199
39.00	2919	110.00	22056	174.00	890	242.00	734
50.00	9554	111.00	3585	175.00	1801	243.00	589
51.00	31392	112.00	426	176.00	575	244.00	8508
52.00	1462	116.00	355	177.00	826	245.00	1137
55.00	187	117.00	12918	179.00	3745	246.00	2063
56.00	1290	118.00	854	180.00	2172	253.00	182
57.00	2409	122.00	1240	181.00	1118	255.00	42816
61.00	404	123.00	1585	185.00	1674	256.00	6186
62.00	534	124.00	665	186.00	11688	257.00	413
63.00	1486	125.00	650	187.00	3344	258.00	2726
65.00	747	127.00	42408	189.00	885	259.00	288
69.00	41664	128.00	3508	192.00	800	265.00	1199
73.00	734	129.00	18288	193.00	1040	273.00	1397
74.00	5237	130.00	1624	196.00	2539	274.00	3572
75.00	6897	134.00	442	198.00	73816	275.00	18640
76.00	1241	135.00	1677	199.00	5204	276.00	2720
77.00	43296	136.00	473	203.00	718	277.00	1888
78.00	2919	137.00	801	204.00	3191	293.00	183
79.00	3562	141.00	2849	205.00	5291	296.00	5788
80.00	2791	142.00	786	206.00	20384	297.00	983
81.00	3477	143.00	465	207.00	2783	303.00	527
82.00	892	146.00	646	208.00	751	315.00	734
83.00	743	147.00	1712	210.00	179	323.00	1668
85.00	648	148.00	3084	211.00	1200	334.00	1036
86.00	1160	149.00	444	216.00	256	352.00	177
87.00	177	153.00	794	217.00	6095	354.00	238
91.00	1053	154.00	420	218.00	759	365.00	2444
92.00	1108	155.00	1426	221.00	3641	372.00	487
93.00	5982	156.00	1805	222.00	247	403.00	180
94.00	196	158.00	366	223.00	1277	422.00	172
96.00	172	159.00	179	224.00	11550	423.00	1985
98.00	5171	160.00	771	225.00	3189	424.00	173
99.00	3127	161.00	991	226.00	193	441.00	6144
101.00	1770	165.00	1180	227.00	5882	442.00	34664

Data File: \\PITSVR06\D\chem\722.i\102710.b\F1027DF1.D

Date : 26-OCT-2010 22:18

Client ID: DFTPP

Instrument: 722.i

Sample Info: DFTPP050 (25ug/ml) BNA0170-10

Operator: 007062

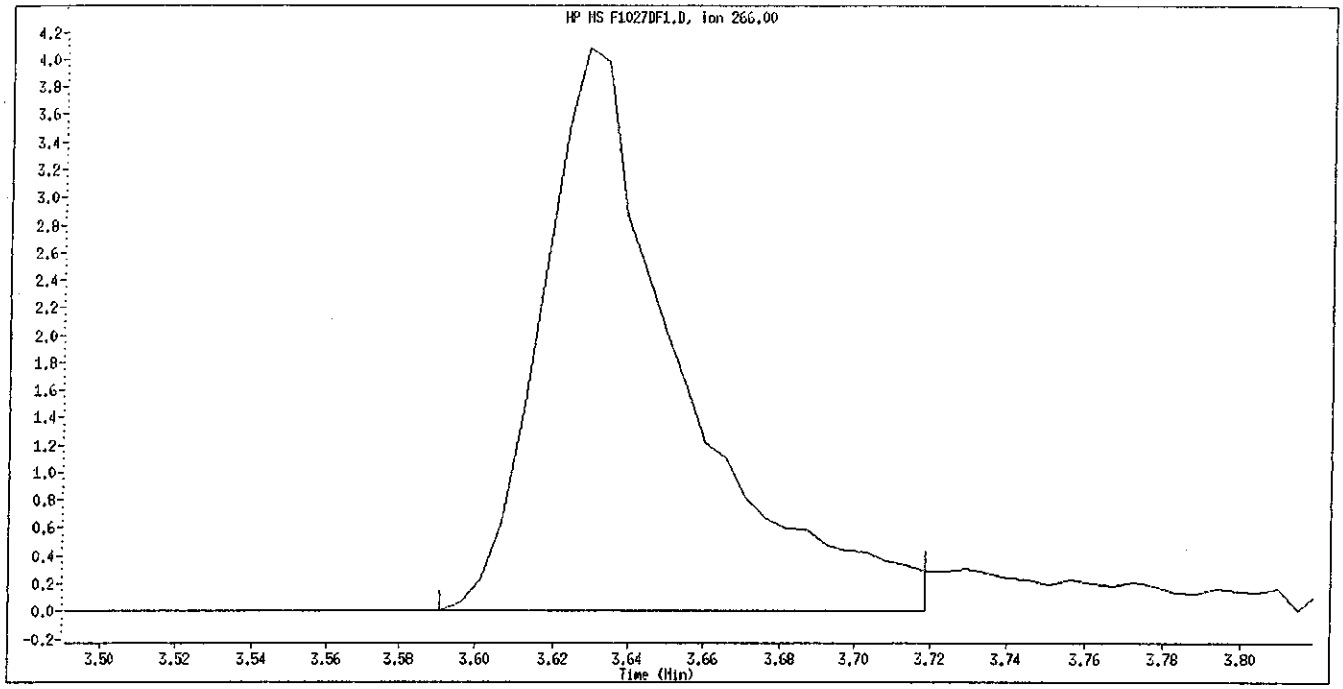
Column phase:

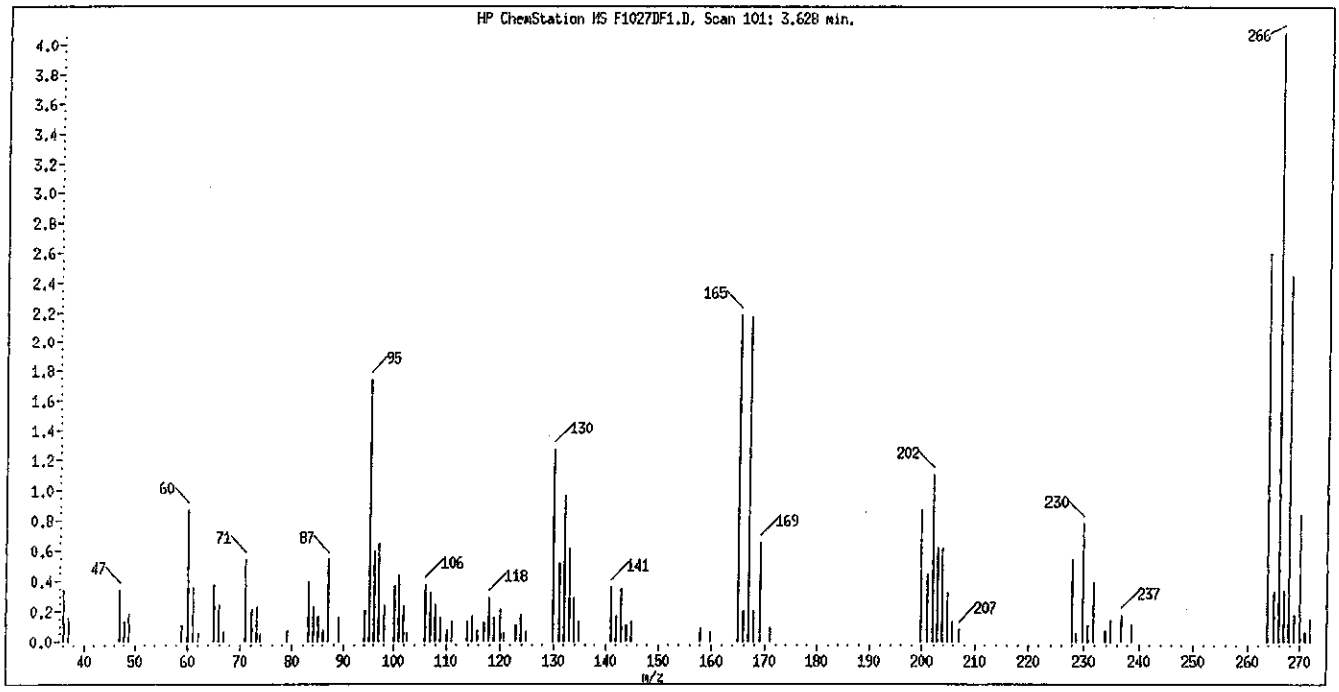
Column diameter: 2.00

Data File: F1027DF1.D
Spectrum: Avg. Scans 265-267 (4.51), Background Scan 258
Location of Maximum: 198.00
Number of points: 154

m/z	Y	m/z	Y	m/z	Y	m/z	Y
103.00	741	166.00	760	228.00	817	443.00	7066
104.00	1140	167.00	4655	229.00	1136	444.00	411
105.00	1270	168.00	2107	231.00	421		
107.00	13150	172.00	178	235.00	354		

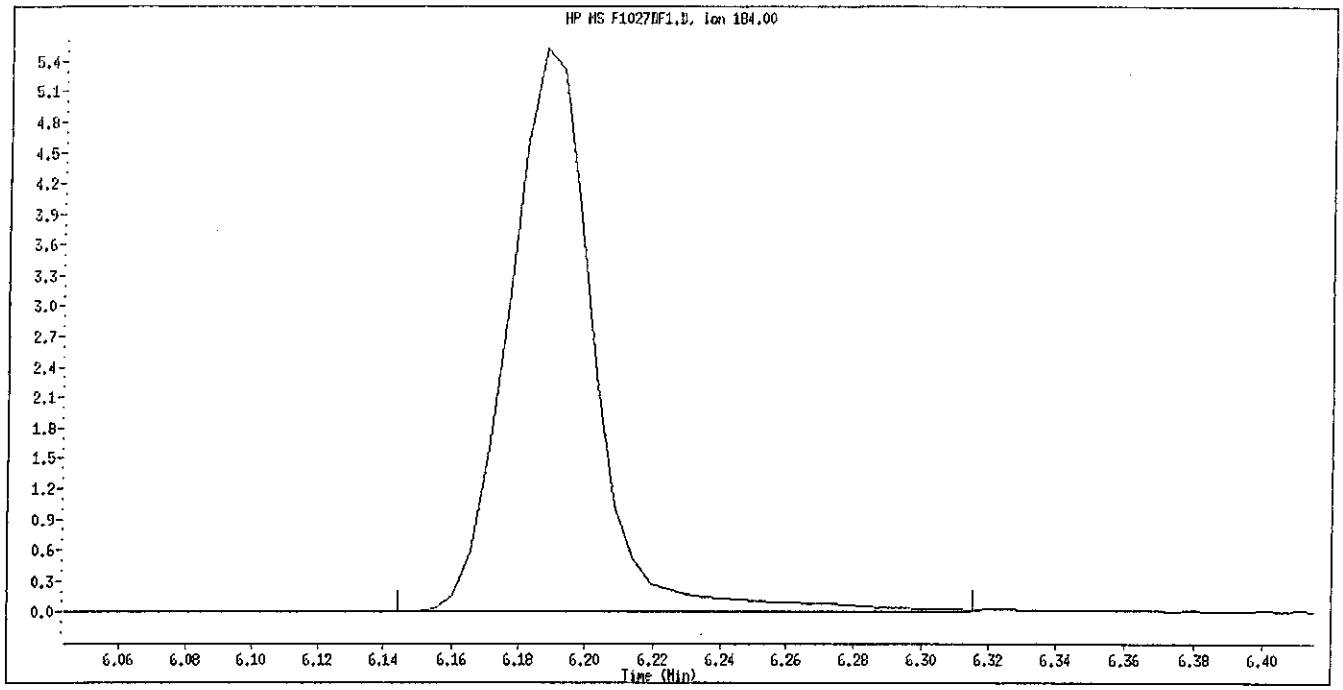
Data File: F1027DF1.D
Inj Date: 26-OCT-2010 22:18
Instrument ID: 722.i
Compound Name: Pentachlorophenol
Operator Name: 007062
Report Date: 10/26/2010

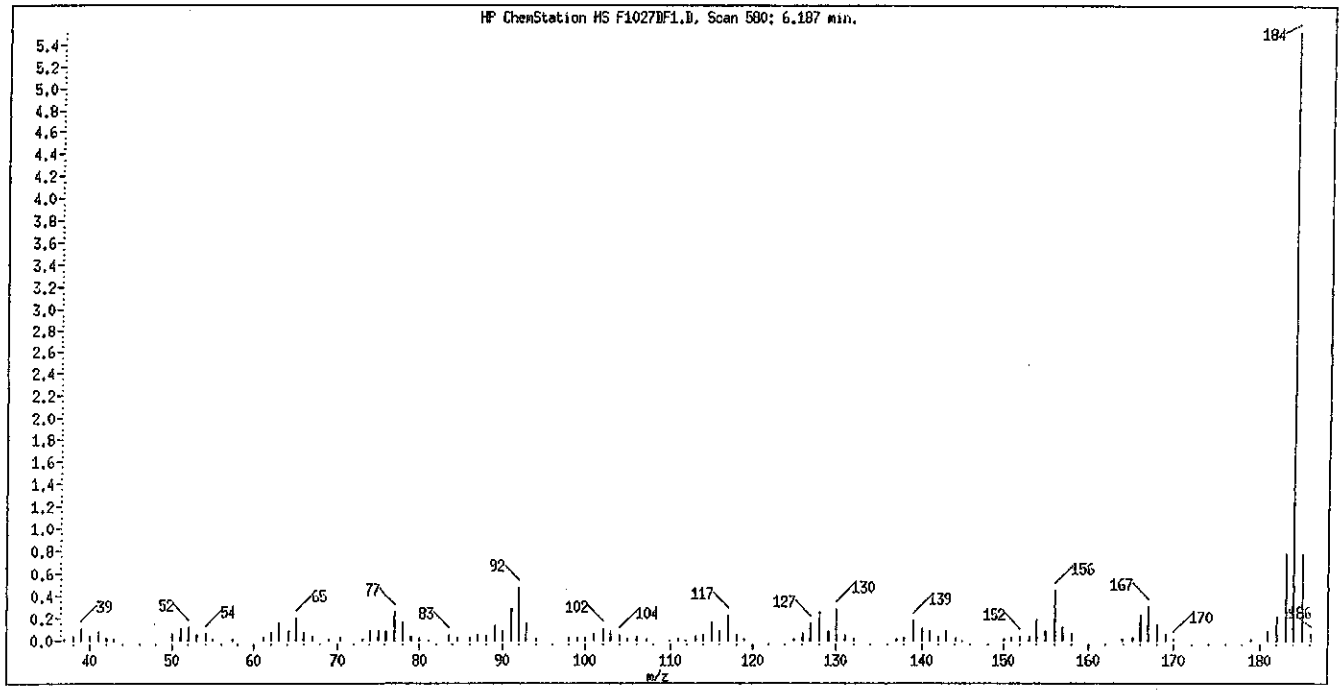




Tailing Factor = 3.13 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 3.603625 T2 = 3.627983 T3 = 3.70429

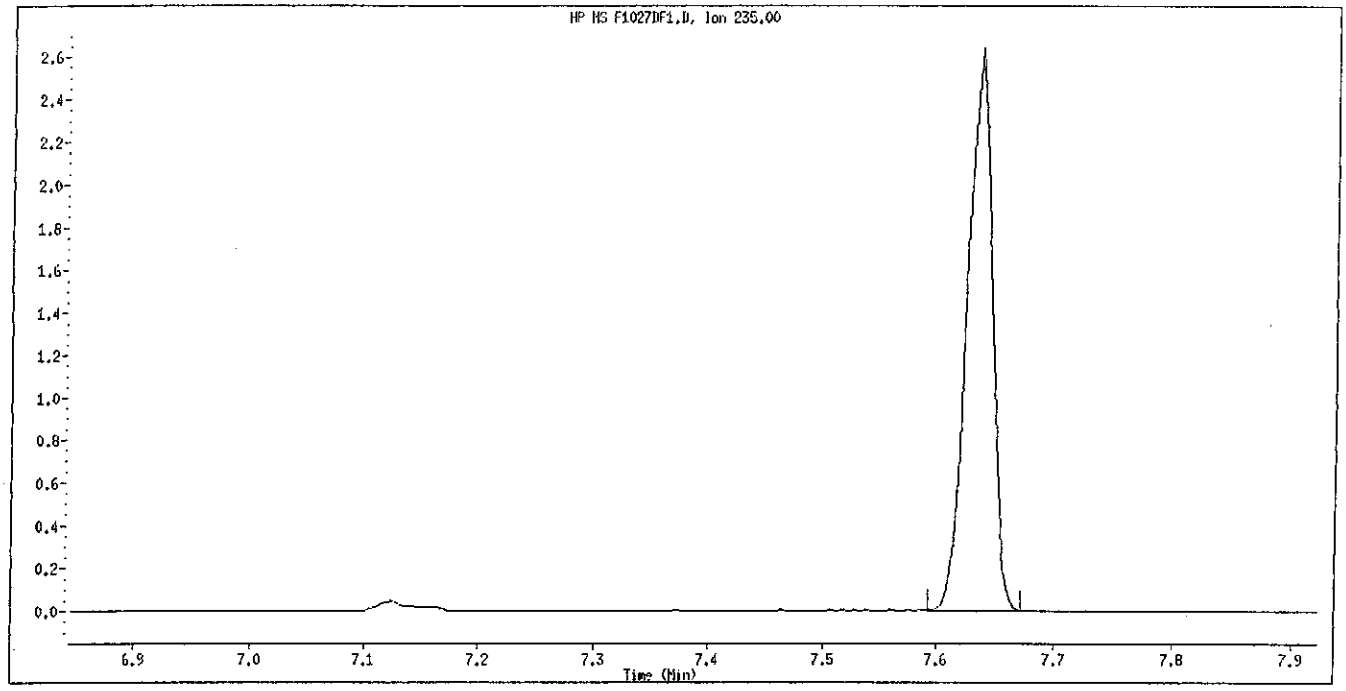
Data File: F1027DF1.D
Inj Date: 26-OCT-2010 22:18
Instrument ID: 722.i
Compound Name: Benzidine
Operator Name: 007062
Report Date: 10/26/2010





Tailing Factor = 1.21 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 6.165022 T2 = 6.186867 T3 = 6.213336

Data File: F1027DF1.D
Inj Date: 26-OCT-2010 22:18
Instrument ID: 722.i
Compound Name: 4,4'-DDT
Operator Name: 007062
Report Date: 10/26/2010



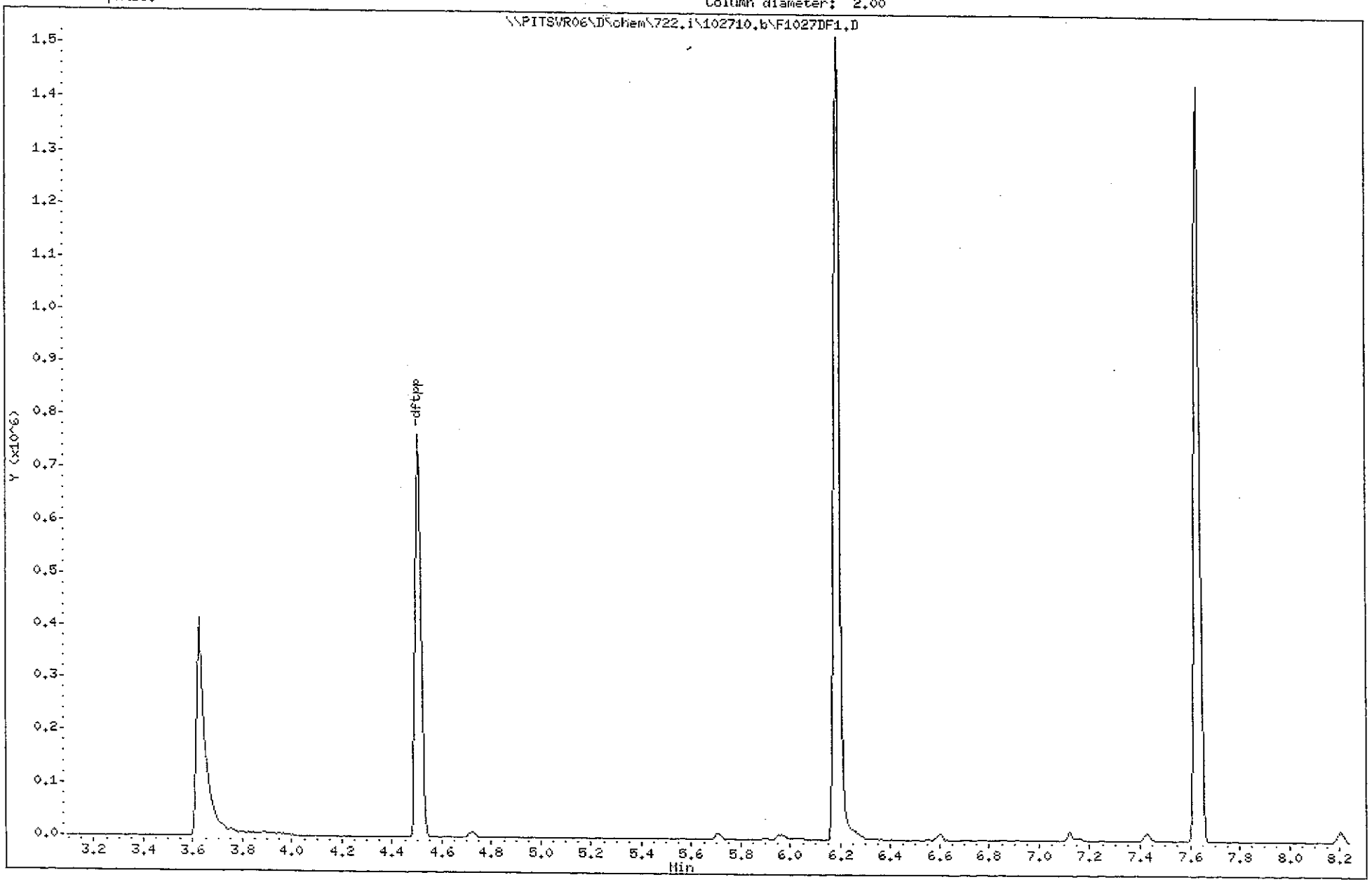
Degradation = 7.87% Good
Acceptance Criteria 0 - 20 %
DDT Area = 389649
DDE Area = 24625
DDD Area = 8639

Data File: \\PITSVR06\D\chem\722.i\102710.b\F1027DF1.D
Date : 26-OCT-2010 22:18
Client ID: DFTPP
Sample Info: DFTPP050 (25ug/ml) BNA0170-10

Column phase:

Instrument: 722.i

Operator: 007062
Column diameter: 2.00



(1001 - 1250)
1231
C0J210496

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C0J210496 **Work Order #...:** L83VH1AA **Matrix.....:** SOLID
MB Lot-Sample #: C0J260000-052

Prep Date.....: 10/26/10 **Analysis Time..:** 05:07
Analysis Date..: 10/27/10 **Prep Batch #...:** 0299052 **Final Wgt/Vol..:** 0.5 mL
Dilution Factor: 0.5 **Initial Wgt/Vol:** 30 g **Instrument ID..:** 722
Analyst ID.....: 007062

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	3.4	ug/kg	SW846 8270C
Acenaphthylene	ND	3.4	ug/kg	SW846 8270C
Acetophenone	ND	16	ug/kg	SW846 8270C
Anthracene	ND	3.4	ug/kg	SW846 8270C
Atrazine	ND	16	ug/kg	SW846 8270C
Benzo(a)anthracene	ND	3.4	ug/kg	SW846 8270C
Benzo(a)pyrene	ND	3.4	ug/kg	SW846 8270C
Benzo(b)fluoranthene	ND	3.4	ug/kg	SW846 8270C
Benzo(ghi)perylene	ND	3.4	ug/kg	SW846 8270C
Benzo(k)fluoranthene	ND	3.4	ug/kg	SW846 8270C
Benzaldehyde	ND	16	ug/kg	SW846 8270C
1,1'-Biphenyl	ND	16	ug/kg	SW846 8270C
bis(2-Chloroethoxy) methane	ND	16	ug/kg	SW846 8270C
bis(2-Chloroethyl)- ether	ND	3.4	ug/kg	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	16	ug/kg	SW846 8270C
4-Bromophenyl phenyl ether	ND	16	ug/kg	SW846 8270C
Butyl benzyl phthalate	ND	16	ug/kg	SW846 8270C
Caprolactam	ND	85	ug/kg	SW846 8270C
Carbazole	ND	3.4	ug/kg	SW846 8270C
4-Chloroaniline	ND	16	ug/kg	SW846 8270C
4-Chloro-3-methylphenol	ND	16	ug/kg	SW846 8270C
2-Chloronaphthalene	ND	3.4	ug/kg	SW846 8270C
2-Chlorophenol	ND	16	ug/kg	SW846 8270C
4-Chlorophenyl phenyl ether	ND	16	ug/kg	SW846 8270C
Chrysene	ND	3.4	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	ND	3.4	ug/kg	SW846 8270C
Dibenzofuran	ND	16	ug/kg	SW846 8270C
3,3'-Dichlorobenzidine	ND	16	ug/kg	SW846 8270C
2,4-Dichlorophenol	ND	3.4	ug/kg	SW846 8270C
Diethyl phthalate	ND	16	ug/kg	SW846 8270C
2,4-Dimethylphenol	ND	16	ug/kg	SW846 8270C
Dimethyl phthalate	ND	16	ug/kg	SW846 8270C
Di-n-butyl phthalate	ND	16	ug/kg	SW846 8270C
4,6-Dinitro- 2-methylphenol	ND	85	ug/kg	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C0J210496 **Work Order #...:** L83VH1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-Dinitrophenol	ND	85	ug/kg	SW846 8270C
2,4-Dinitrotoluene	ND	16	ug/kg	SW846 8270C
2,6-Dinitrotoluene	ND	16	ug/kg	SW846 8270C
Di-n-octyl phthalate	ND	16	ug/kg	SW846 8270C
Fluoranthene	ND	3.4	ug/kg	SW846 8270C
Fluorene	ND	3.4	ug/kg	SW846 8270C
Hexachlorobenzene	ND	3.4	ug/kg	SW846 8270C
Hexachlorobutadiene	ND	3.4	ug/kg	SW846 8270C
Hexachlorocyclopenta-diene	ND	16	ug/kg	SW846 8270C
Hexachloroethane	ND	16	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	3.4	ug/kg	SW846 8270C
Isophorone	ND	16	ug/kg	SW846 8270C
2-Methylnaphthalene	ND	3.4	ug/kg	SW846 8270C
2-Methylphenol	ND	16	ug/kg	SW846 8270C
4-Methylphenol	ND	16	ug/kg	SW846 8270C
Naphthalene	ND	3.4	ug/kg	SW846 8270C
2-Nitroaniline	ND	85	ug/kg	SW846 8270C
3-Nitroaniline	ND	85	ug/kg	SW846 8270C
4-Nitroaniline	ND	85	ug/kg	SW846 8270C
Nitrobenzene	ND	3.4	ug/kg	SW846 8270C
2-Nitrophenol	ND	16	ug/kg	SW846 8270C
4-Nitrophenol	ND	85	ug/kg	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	3.4	ug/kg	SW846 8270C
N-Nitrosodiphenylamine	ND	3.4	ug/kg	SW846 8270C
2,2'-oxybis (1-Chloropropane)	ND	3.4	ug/kg	SW846 8270C
Pentachlorophenol	ND	16	ug/kg	SW846 8270C
Phenanthrene	ND	3.4	ug/kg	SW846 8270C
Phenol	ND	3.4	ug/kg	SW846 8270C
Pyrene	ND	3.4	ug/kg	SW846 8270C
2,4,5-Trichloro-phenol	ND	16	ug/kg	SW846 8270C
2,4,6-Trichloro-phenol	ND	16	ug/kg	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	74	(27 - 110)
Terphenyl-d14	72	(21 - 130)
2-Fluorobiphenyl	72	(28 - 108)
2-Fluorophenol	86	(28 - 107)
Phenol-d5	75	(30 - 112)
2,4,6-Tribromophenol	80	(21 - 116)

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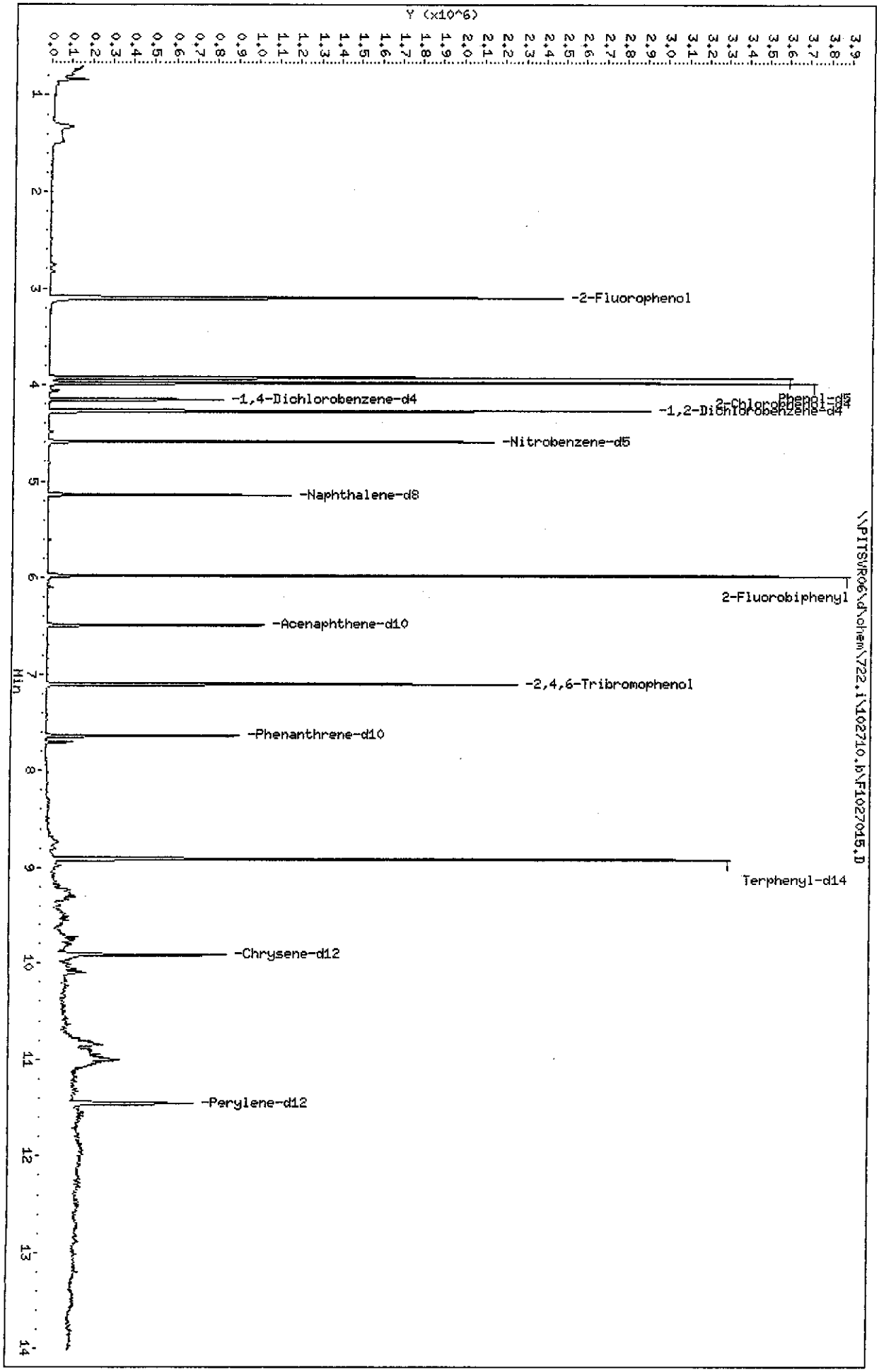
METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C0J210496 Work Order #...: L83VH1AA Matrix.....: SOLID

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.



Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027015.D
Date : 27-OCT-2010 05:07
Client ID: INTRA-LAB BLANK
Sample Info: C0J200539-BLK 10/26/10 Soil (0299052)
Volume Injected (uL): 2.0
Column phase: Hp5-MS

Instrument: 722.i
Operator: 007062
Column diameter: 0.25

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\d\chem\722.i\102710.b\F1027015.D
Lab Smp Id: l83vh1aa Client Smp ID: INTRA-LAB BLANK
Inj Date : 27-OCT-2010 05:07
Operator : 007062 Inst ID: 722.i
Smp Info : C0J200539-BLK 10/26/10 Soil (0299052)
Misc Info : l83vh1aa,102710.b,ll.m,428270.sub
Comment :
Method : \\PITSVR06\d\chem\722.i\102710.b\LL.m
Meth Date : 28-Oct-2010 02:25 bungardf Quant Type: ISTD
Cal Date : 02-SEP-2010 04:00 Cal File: F09020C8.D
Als bottle: 17 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 428270.sub
Target Version: 4.14
Processing Host: PITPC-503

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)	
* 1	1,4-Dichlorobenzene-d4	152	4.152	4.155	(1.000)	123008	8.00000		(a)
* 2	Naphthalene-d8	136	5.140	5.138	(1.000)	424768	8.00000		(a)
* 3	Acenaphthene-d10	164	6.492	6.490	(1.000)	213999	8.00000		(a)
* 4	Phenanthrene-d10	188	7.635	7.644	(1.000)	314023	8.00000		(a)
* 5	Chrysene-d12	240	9.916	9.925	(1.000)	307478	8.00000		(a)
* 6	Perylene-d12	264	11.454	11.469	(1.000)	287279	8.00000		(a)
198	1,4-Dioxane	88	Compound Not Detected.						
220	Benzaldehyde	77	Compound Not Detected.						
10	N-Nitrosodimethylamine	74	Compound Not Detected.						
9	Pyridine	79	Compound Not Detected.						
16	Methyl methanesulfonate	80	Compound Not Detected.						
21	Aniline	93	Compound Not Detected.						
22	Phenol	94	Compound Not Detected.						
23	bis(2-Chloroethyl)ether	93	Compound Not Detected.						
24	2-Chlorophenol	128	Compound Not Detected.						
26	1,3-Dichlorobenzene	146	Compound Not Detected.						
27	1,4-Dichlorobenzene	146	Compound Not Detected.						
28	1,2-Dichlorobenzene	146	Compound Not Detected.						
227	Indene	116	Compound Not Detected.						
29	Benzyl Alcohol	108	Compound Not Detected.						

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)
30	2-Methylphenol	108	Compound Not Detected.					
31	2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
37	Acetophenone	105	Compound Not Detected.					
32	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192	4-Methylphenol	108	Compound Not Detected.					
34	Hexachloroethane	117	Compound Not Detected.					
35	Nitrobenzene	77	Compound Not Detected.					
36	N-Nitrosopyrrolidine	100	Compound Not Detected.					
41	Isophorone	82	Compound Not Detected.					
42	2-Nitrophenol	139	Compound Not Detected.					
43	2,4-Dimethylphenol	107	Compound Not Detected.					
44	bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48	2,4-Dichlorophenol	162	Compound Not Detected.					
49	Benzoic Acid	122	Compound Not Detected.					
50	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51	Naphthalene	128	Compound Not Detected.					
52	4-Chloroaniline	127	Compound Not Detected.					
54	2,6-Dichlorophenol	162	Compound Not Detected.					
56	Hexachlorobutadiene	224	Compound Not Detected.					
221	Caprolactam	113	Compound Not Detected.					
59	4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62	2-Methylnaphthalene	142	Compound Not Detected.					
205	1-Methylnaphthalene	142	Compound Not Detected.					
64	Hexachlorocyclopentadiene	236	Compound Not Detected.					
65	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66	2,4,6-Trichlorophenol	196	Compound Not Detected.					
67	2,4,5-Trichlorophenol	196	Compound Not Detected.					
222	1,1'-Biphenyl	154	Compound Not Detected.					
70	2-Chloronaphthalene	162	Compound Not Detected.					
73	2-Nitroaniline	65	Compound Not Detected.					
76	Dimethylphthalate	163	Compound Not Detected.					
78	2,6-Dinitrotoluene	165	Compound Not Detected.					
79	Acenaphthylene	152	Compound Not Detected.					
81	3-Nitroaniline	138	Compound Not Detected.					
82	Acenaphthene	153	Compound Not Detected.					
83	2,4-Dinitrophenol	184	Compound Not Detected.					
85	4-Nitrophenol	109	Compound Not Detected.					
86	Dibenzofuran	168	Compound Not Detected.					
87	2,4-Dinitrotoluene	165	Compound Not Detected.					
91	2,3,5,6-Tetrachlorophenol	232	Compound Not Detected.					
88	2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					
92	2-Naphthylamine	143	Compound Not Detected.					
93	Diethylphthalate	149	6.833	6.837	(1.053)	3934	0.11631	0.96926 (aQM)
94	Fluorene	166	Compound Not Detected.					
95	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96	4-Nitroaniline	138	Compound Not Detected.					
98	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99	N-Nitrosodiphenylamine	169	Compound Not Detected.					
100	1,2-Diphenylhydrazine	77	Compound Not Detected.					
106	4-Bromophenyl-phenylether	248	Compound Not Detected.					
107	Hexachlorobenzene	283	Compound Not Detected.					
223	Atrazine	200	Compound Not Detected.					
111	Pentachlorophenol	265	Compound Not Detected.					
115	Phenanthrene	178	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)
116 Anthracene	178	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz(a)anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.590	4.588	(0.893)	647059	29.6488	247.07(a)
$ 155 2-Fluorobiphenyl	172	5.979	5.977	(0.921)	1022850	28.8745	240.62(a)
$ 156 Terphenyl-d14	244	8.912	8.921	(0.899)	915342	28.7862	239.88(a)
$ 157 Phenol-d5	99	3.927	3.926	(0.946)	1113007	44.8752	373.96
$ 158 2-Fluorophenol	112	3.099	3.114	(0.747)	925291	51.4191	428.49
$ 159 2,4,6-Tribromophenol	330	7.101	7.104	(0.930)	165224	47.8850	399.04
$ 186 2-Chlorophenol-d4	132	3.981	3.985	(0.959)	979939	44.6077	371.73
$ 187 1,2-Dichlorobenzene-d4	152	4.275	4.273	(1.030)	450282	29.7958	248.30(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\PITSVR06\d\chem\722.i\102710.b\F1027015.D

Date : 27-OCT-2010 05:07

Client ID: INTRA-LAB BLANK

Instrument: 722.i

Sample Info: C0J200539-BLK 10/26/10 Soil (0299052)

Volume Injected (uL): 2.0

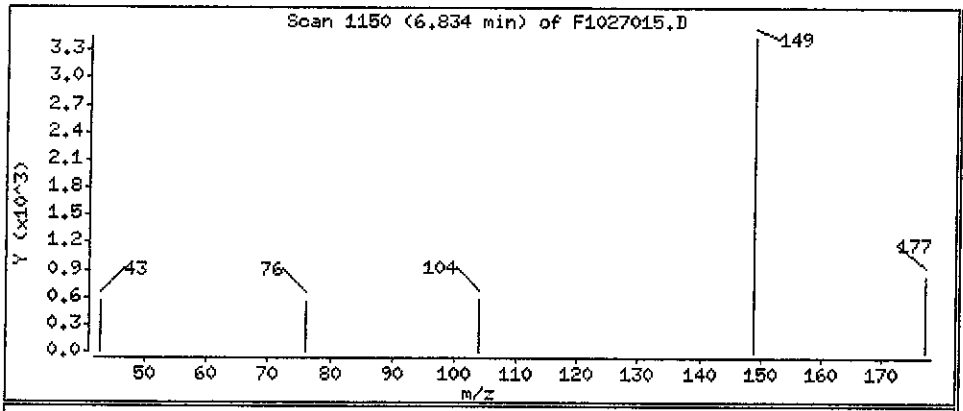
Operator: 007062

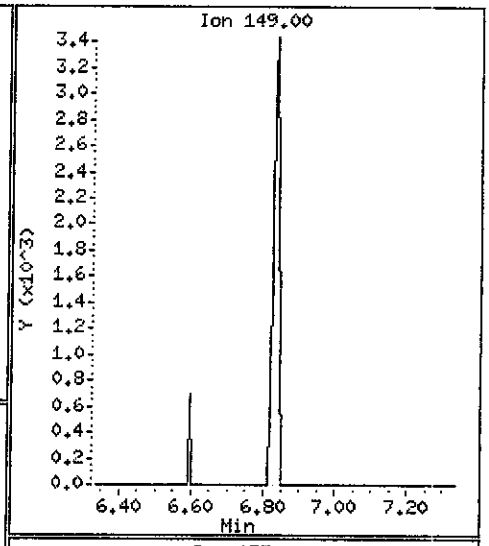
Column phase: Hp5-MS

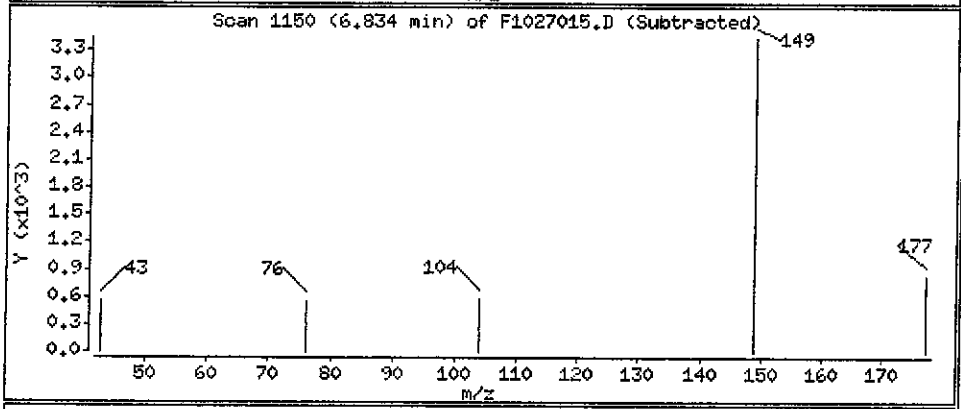
Column diameter: 0.25

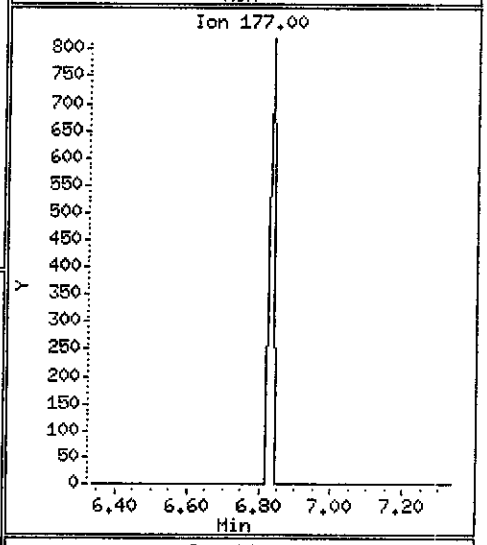
93 Diethylphthalate

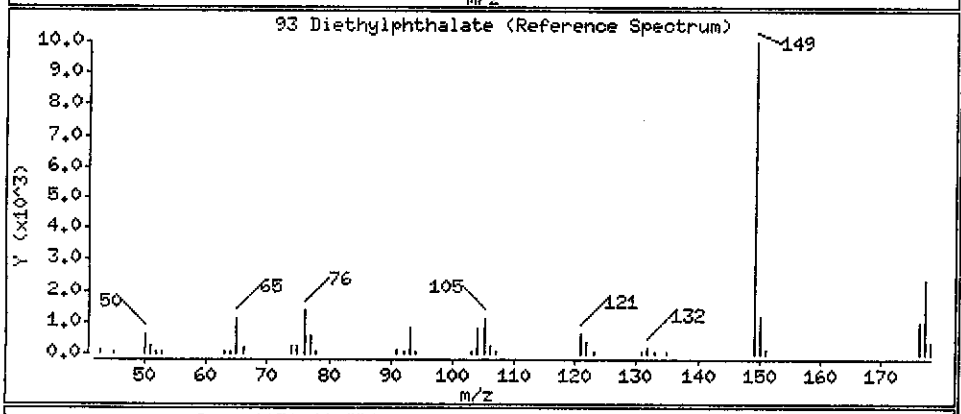
Concentration: 0.96926 ug/kg

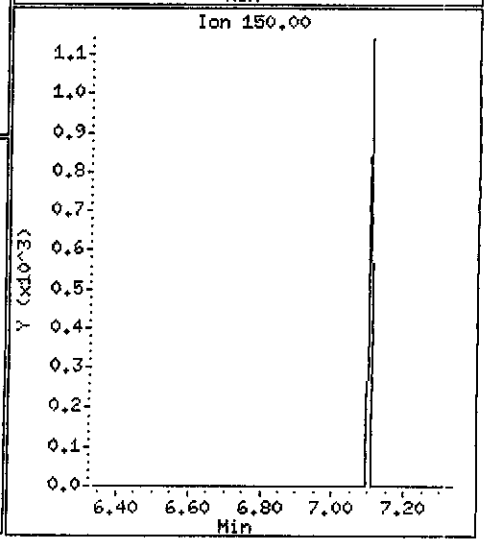


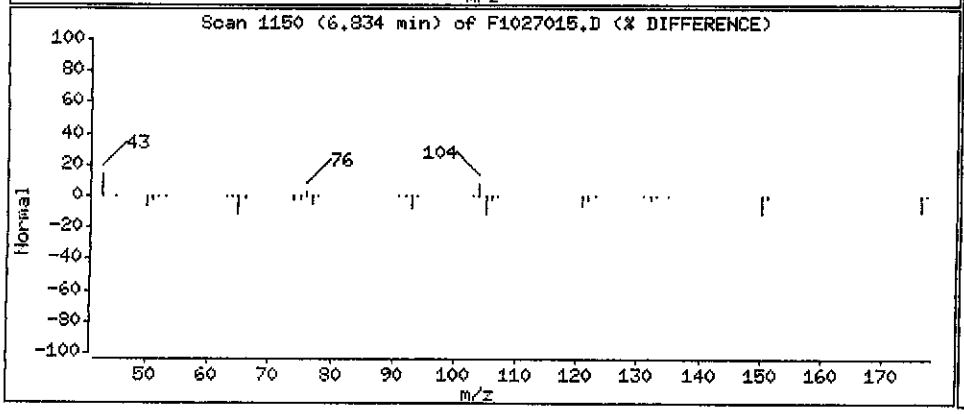




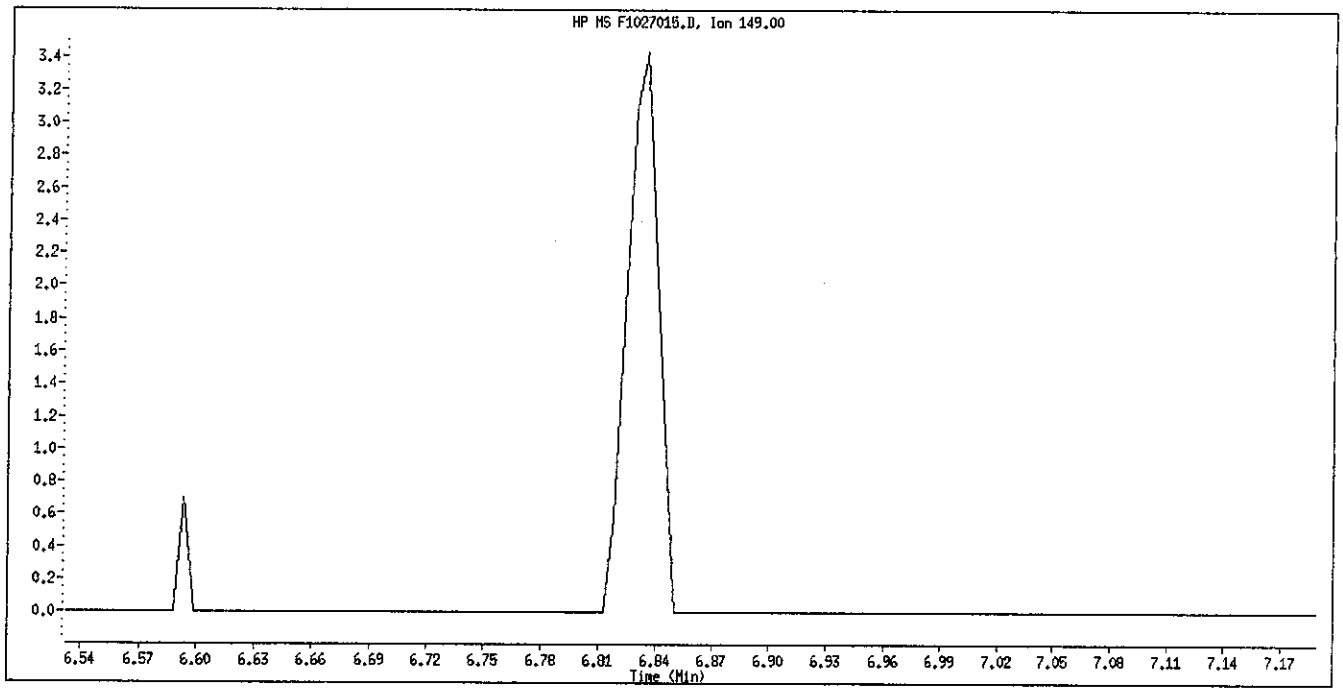




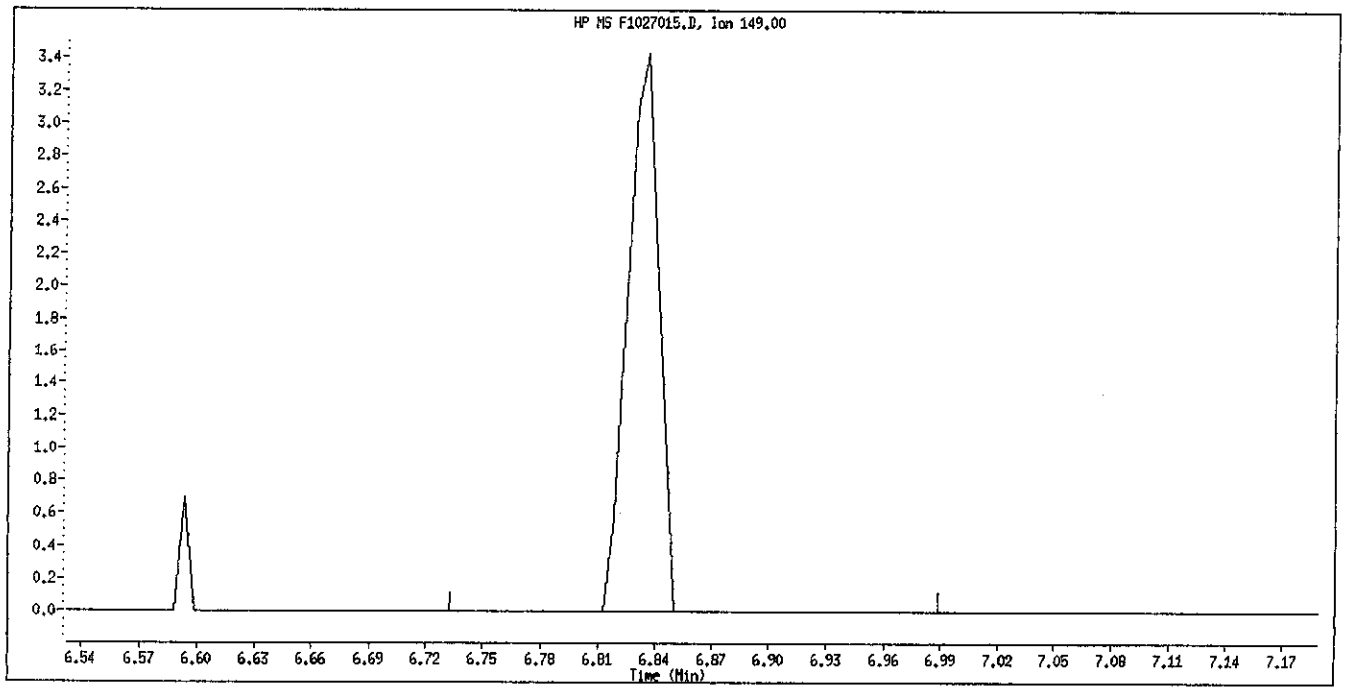




Data File Name: F1027015.D
Inj. Date and Time: 27-OCT-2010 05:07
Instrument ID: 722.i
Client ID: INTRA-LAB BLANK
Compound Name: Diethylphthalate
CAS #: 84-66-2



Original Integration



Manual Integration

Manually Integrated By: bungardf
Manual Integration Reason: Peak Not Found

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...:	C0J210496	**Work Order #...:**	L83VH1AC	**Matrix.....:**	SOLID
LCS Lot-Sample#:	C0J260000-052				
Prep Date.....:	10/26/10	**Analysis Date..:**	10/27/10		
Prep Batch #...:	0299052	**Analysis Time..:**	05:29		
Dilution Factor:	0.5	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	0.5 mL
Analyst ID.....:	007062	**Instrument ID..:**	722		

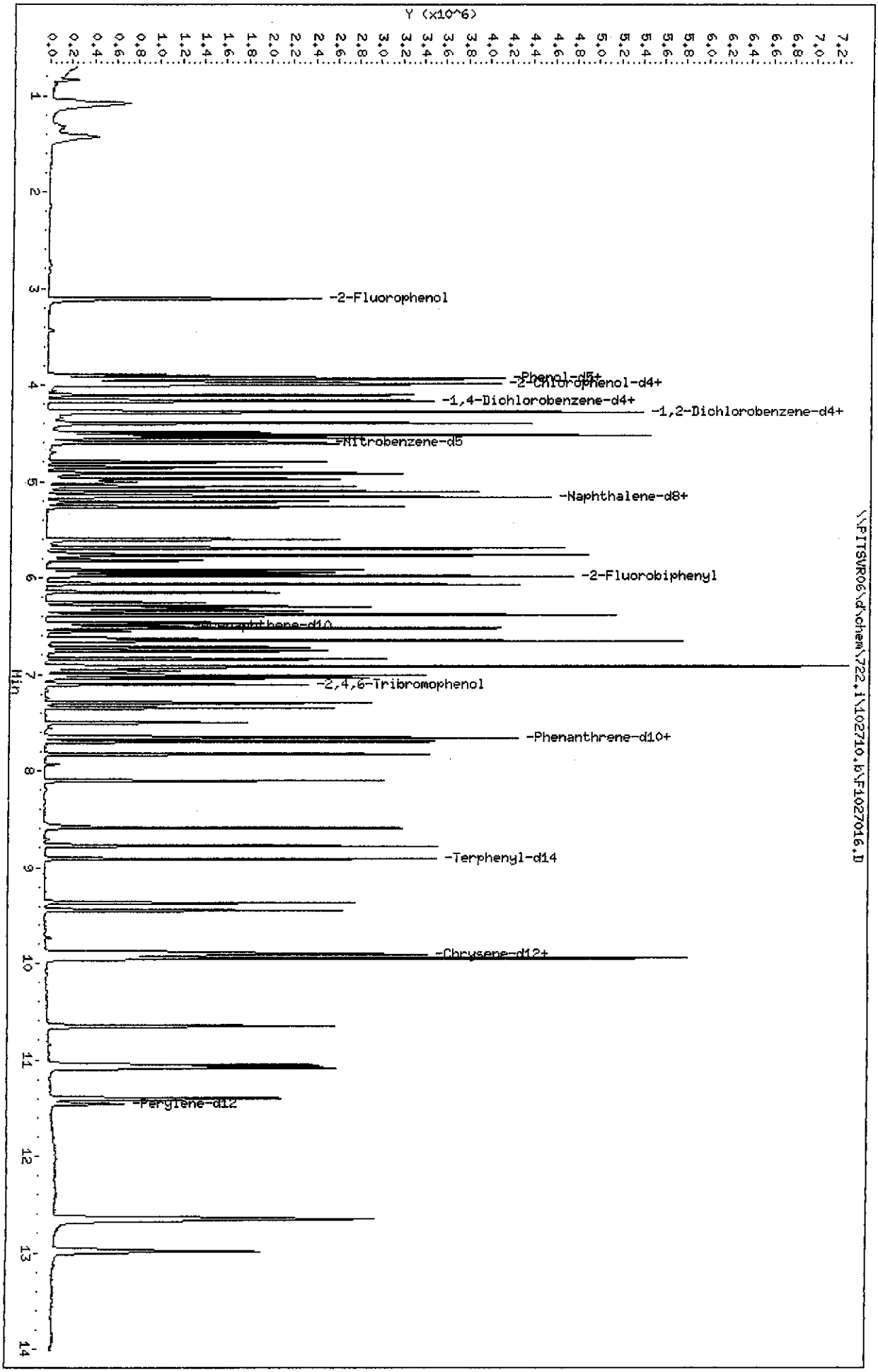
PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	**71**	**(42 - 104)**	**SW846 8270C**
1,4-Dichlorobenzene	**75**	**(41 - 101)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**75**	**(41 - 105)**	**SW846 8270C**
4-Bromophenyl phenyl ether	**78**	**(43 - 111)**	**SW846 8270C**
Butyl benzyl phthalate	**64**	**(40 - 117)**	**SW846 8270C**
4-Chloro-3-methylphenol	**70**	**(43 - 110)**	**SW846 8270C**
2-Chlorophenol	**71**	**(40 - 105)**	**SW846 8270C**
2,4-Dinitrotoluene	**73**	**(48 - 118)**	**SW846 8270C**
Hexachloroethane	**77**	**(40 - 102)**	**SW846 8270C**
4-Methylphenol	**72**	**(43 - 107)**	**SW846 8270C**
Naphthalene	**72**	**(42 - 104)**	**SW846 8270C**
4-Nitrophenol	**71**	**(27 - 131)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**70**	**(42 - 108)**	**SW846 8270C**
Pentachlorophenol	**70**	**(18 - 125)**	**SW846 8270C**
Phenol	**63**	**(39 - 105)**	**SW846 8270C**
Pyrene	**64**	**(39 - 113)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	75	(27 - 110)
Terphenyl-d14	70	(21 - 130)
2-Fluorobiphenyl	76	(28 - 108)
2-Fluorophenol	85	(28 - 107)
Phenol-d5	74	(30 - 112)
2,4,6-Tribromophenol	87	(21 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters



Data File: \\FITSVR06\d\chem\722.i\102710.b\F1027016.D
Date : 27-OCT-2010 09:29
Client ID: INTRA-LAB CHECK
Sample Info: C0J200539-LCS 10/26/10 Soil (0299052)
Volume Injected (uL): 2.0
Column phase: Hp5-MS

Instrument: 722.i
Operator: 007062
Column diameter: 0.25

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\PITSVR06\d\chem\722.i\102710.b\F1027016.D
Lab Smp Id: l83vh1ac Client Smp ID: INTRA-LAB CHECK
Inj Date : 27-OCT-2010 05:29
Operator : 007062 Inst ID: 722.i
Smp Info : C0J200539-LCS 10/26/10 Soil (0299052)
Misc Info : l83vh1ac,102710.b,ll.m,428270.sub
Comment :
Method : \\PITSVR06\d\chem\722.i\102710.b\LL.m
Meth Date : 28-Oct-2010 02:25 bungardf Quant Type: ISTD
Cal Date : 02-SEP-2010 04:00 Cal File: F09020C8.D
Als bottle: 18 QC Sample: METHOD SPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 428270.sub
Target Version: 4.14
Processing Host: PITPC-503

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)	
* 1	1,4-Dichlorobenzene-d4	152	4.151	4.155	(1.000)	125074	8.00000		(aQ)
* 2	Naphthalene-d8	136	5.139	5.138	(1.000)	445544	8.00000		(a)
* 3	Acenaphthene-d10	164	6.491	6.490	(1.000)	226523	8.00000		(a)
* 4	Phenanthrene-d10	188	7.639	7.644	(1.000)	319541	8.00000		(a)
* 5	Chrysene-d12	240	9.920	9.925	(1.000)	327586	8.00000		(a)
* 6	Perylene-d12	264	11.459	11.469	(1.000)	305512	8.00000		(a)
198	1,4-Dioxane	88	Compound Not Detected.						
220	Benzaldehyde	77	Compound Not Detected.						
10	N-Nitrosodimethylamine	74	1.058	1.046	(0.255)	400653	29.8246	248.54	(a)
9	Pyridine	79	1.079	1.089	(0.260)	684292	27.7338	231.12	(aQ)
16	Methyl methanesulfonate	80	Compound Not Detected.						
21	Aniline	93	3.900	3.899	(0.940)	609946	19.3352	161.13	(a)
22	Phenol	94	3.937	3.936	(0.949)	708209	25.1749	209.79	(aR)
23	bis(2-Chloroethyl)ether	93	3.964	3.963	(0.955)	600518	29.1374	242.81	(a)
24	2-Chlorophenol	128	3.996	3.995	(0.963)	639693	28.5324	237.77	(aR)
26	1,3-Dichlorobenzene	146	4.103	4.107	(0.988)	770699	29.6595	247.16	(a)
27	1,4-Dichlorobenzene	146	4.167	4.166	(1.004)	779940	30.0978	250.81	(aR)
28	1,2-Dichlorobenzene	146	4.284	4.284	(1.032)	740477	29.9507	249.59	(a)
227	Indene	116	Compound Not Detected.						
29	Benzyl Alcohol	108	4.284	4.284	(1.032)	239945	20.7391	172.82	(aQ)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)
30	2-Methylphenol	108	4.397	4.396	(1.059)	548618	28.4294	236.91(a)
31	2,2'-oxybis(1-Chloropropane)	45	4.391	4.391	(1.058)	603028	31.3753	261.46(a)
37	Acetophenone	105	Compound Not Detected.					
32	N-Nitroso-di-n-propylamine	70	4.493	4.487	(1.082)	431529	28.0050	233.38(aR)
192	4-Methylphenol	108	4.520	4.513	(1.089)	1113108	57.6168	480.14(Q)
34	Hexachloroethane	117	4.546	4.545	(1.095)	298518	30.8968	257.47(a)
35	Nitrobenzene	77	4.605	4.604	(0.896)	663142	28.5938	238.28(a)
36	N-Nitrosopyrrolidine	100	Compound Not Detected.					
41	Isophorone	82	4.792	4.791	(0.932)	994126	26.0304	216.92(a)
42	2-Nitrophenol	139	4.851	4.855	(0.944)	349220	30.7018	255.85(a)
43	2,4-Dimethylphenol	107	4.915	4.914	(0.956)	591816	27.5876	229.90(a)
44	bis(2-Chloroethoxy)methane	93	4.974	4.973	(0.968)	655201	29.4392	245.33(a)
48	2,4-Dichlorophenol	162	5.048	5.053	(0.982)	492965	29.6117	246.76(a)
49	Benzoic Acid	122	5.011	4.989	(0.975)	298613	33.5977	279.98(a)
50	1,2,4-Trichlorobenzene	180	5.102	5.106	(0.993)	569577	30.1632	251.36(aR)
51	Naphthalene	128	5.155	5.154	(1.003)	1697114	28.7199	239.33(a)
52	4-Chloroaniline	127	5.209	5.213	(1.014)	596325	24.3999	203.33(a)
54	2,6-Dichlorophenol	162	Compound Not Detected.					
56	Hexachlorobutadiene	225	5.267	5.267	(1.025)	344650	30.7329	256.11(a)
221	Caprolactam	113	Compound Not Detected.					
59	4-Chloro-3-Methylphenol	107	5.599	5.603	(1.089)	477930	27.8213	231.84(aR)
62	2-Methylnaphthalene	142	5.689	5.694	(1.107)	1081076	27.7925	231.60(a)
205	1-Methylnaphthalene	142	5.764	5.769	(1.122)	1043758	28.0895	234.08(a)
64	Hexachlorocyclopentadiene	237	5.818	5.822	(0.896)	171959	15.2505	127.09(a)
65	1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.					
66	2,4,6-Trichlorophenol	196	5.919	5.918	(0.912)	325051	30.4042	253.37(a)
67	2,4,5-Trichlorophenol	196	5.946	5.950	(0.916)	331553	29.6173	246.81(a)
222	1,1'-Biphenyl	154	Compound Not Detected.					
70	2-Chloronaphthalene	162	6.063	6.063	(0.934)	970717	29.2719	243.93(a)
73	2-Nitroaniline	65	6.149	6.148	(0.947)	286551	29.5149	245.96(a)
76	Dimethylphthalate	163	6.293	6.292	(0.970)	989903	27.1480	226.23(a)
78	2,6-Dinitrotoluene	165	6.336	6.335	(0.976)	248689	29.4557	245.46(a)
79	Acenaphthylene	152	6.379	6.383	(0.983)	1508322	28.9403	241.17(a)
81	3-Nitroaniline	138	6.464	6.463	(0.996)	251421	28.6684	238.90(a)
82	Acenaphthene	153	6.517	6.517	(1.004)	925558	28.5327	237.77(aR)
83	2,4-Dinitrophenol	184	6.550	6.549	(1.009)	91988	22.5834	188.19(a)
85	4-Nitrophenol	109	6.624	6.624	(1.021)	164788	28.3504	236.25(aQR)
86	Dibenzofuran	168	6.651	6.650	(1.025)	1309425	28.6768	238.97(a)
87	2,4-Dinitrotoluene	165	6.646	6.650	(1.024)	323035	29.1974	243.31(aR)
91	2,3,5,6-Tetrachlorophenol	232	6.720	6.725	(1.035)	248194	28.2839	235.70(a)
88	2,3,4,6-Tetrachlorophenol	232	6.753	6.757	(1.040)	258855	28.6903	239.08(a)
92	2-Naphthylamine	143	Compound Not Detected.					
93	Diethylphthalate	149	6.838	6.837	(1.053)	965613	26.9704	224.75(a)
94	Fluorene	166	6.913	6.917	(1.065)	1046860	27.9467	232.89(a)
95	4-Chlorophenyl-phenylether	204	6.918	6.917	(1.066)	528978	28.9245	241.04(a)
96	4-Nitroaniline	138	6.934	6.933	(1.068)	239352	27.0614	225.51(a)
98	4,6-Dinitro-2-methylphenol	198	6.966	6.965	(0.912)	153338	26.9605	224.67(a)
99	N-Nitrosodiphenylamine	169	7.009	7.014	(0.917)	699149	30.6784	255.65(a)
100	1,2-Diphenylhydrazine	77	7.041	7.040	(0.922)	1051523	28.8672	240.56(a)
106	4-Bromophenyl-phenylether	248	7.292	7.297	(0.955)	278461	31.3008	260.84(a)
107	Hexachlorobenzene	284	7.346	7.350	(0.962)	257013	30.2988	252.49(a)
223	Atrazine	200	Compound Not Detected.					
111	Pentachlorophenol	266	7.500	7.505	(0.982)	162014	28.1543	234.62(aR)
115	Phenanthrene	178	7.655	7.660	(1.002)	1256171	27.6706	230.59(a)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)
116 Anthracene	178	7.698	7.697	(1.008)	1286980	28.2911	235.76(a)
119 Carbazole	167	7.826	7.831	(1.024)	1151522	28.0806	234.00(a)
120 Di-n-Butylphthalate	149	8.099	8.109	(1.060)	1505292	28.6740	238.95(a)
123 Fluoranthene	202	8.590	8.595	(1.124)	1300588	28.3956	236.63(a)
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	8.772	8.782	(0.884)	1303001	25.5266	212.72(aR)
131 Butylbenzylphthalate	149	9.359	9.369	(0.943)	656787	25.7195	214.33(a)
135 3,3'-Dichlorobenzidine	252	9.888	9.898	(0.997)	424323	25.5906	213.26(a)
136 Benzo(a)Anthracene	228	9.910	9.914	(0.999)	1282257	27.4784	228.99(a)
137 Chrysene	228	9.947	9.957	(1.003)	1241919	27.9330	232.78(a)
139 bis(2-ethylhexyl)Phthalate	149	9.952	9.968	(1.003)	989462	27.0830	225.69(a)
140 Di-n-octylphthalate	149	10.652	10.668	(0.930)	1626965	26.8368	223.64(a)
141 Benzo(b)fluoranthene	252	11.058	11.063	(0.965)	1258114	24.7592	206.33(a)
142 Benzo(k)fluoranthene	252	11.085	11.095	(0.967)	1344803	27.9840	233.20(a)
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	11.400	11.410	(0.995)	1104234	29.4930	245.77(a)
149 Indeno(1,2,3-cd)pyrene	276	12.640	12.666	(1.103)	1486213	31.6629	263.86(a)
150 Dibenz(a,h)anthracene	278	12.661	12.682	(1.105)	1190668	30.6528	255.44(a)
151 Benzo(g,h,i)perylene	276	12.987	13.007	(1.133)	1241966	31.3452	261.21(a)
$ 154 Nitrobenzene-d5	82	4.589	4.588	(0.893)	689730	30.1303	251.08(a)
$ 155 2-Fluorobiphenyl	172	5.978	5.977	(0.921)	1133862	30.2386	251.99(a)
$ 156 Terphenyl-d14	244	8.911	8.921	(0.898)	954979	28.1892	234.91(a)
$ 157 Phenol-d5	99	3.927	3.926	(0.946)	1114882	44.2082	368.40
$ 158 2-Fluorophenol	112	3.109	3.114	(0.749)	937488	51.2364	426.97
$ 159 2,4,6-Tribromophenol	330	7.105	7.104	(0.930)	182691	52.0330	433.61
$ 186 2-Chlorophenol-d4	132	3.985	3.985	(0.960)	989329	44.2913	369.09
$ 187 1,2-Dichlorobenzene-d4	152	4.274	4.273	(1.030)	482294	31.3869	261.56(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

GC/MS SEMIVOLATILE
MISCELLANEOUS

Batch# 0299052 (42)

Soxtherm Extraction Worksheet

TestAmerica Pittsburgh — Logbook ID: OP3696

Baker OP0202-10

Start Date\Time	Date Completed	Parameter	Method	Solvent	Solvent Lot	Solvent Mfg	GPC Number
10-26-10 | 03:20	10-26-10	LL8270C	Soxtherm	MeCl/Acetone	OP0132-10	Baker	N/A

	Lot Number	Sample ID	Sample Weight (g)	Final Volume (mL)	Surrogate #	Surr Vol (mL)	Matrix Spike Lot #	MS Vol (mL)	GPC Date
1.	COJ200539	BLK	30.0,	0.5	BNA0816-10	0.5	N/A	N/A	N/A
2.		LCS	30.0,				BNA0689-10	0.5	
3.		MS-002 x10	30.0,				↓	↓	
4.		MSD-002	30.0,				BNA0689-10	0.5	
5.		001 x10	30.2,				N/A	N/A	
6.		002 x10	30.0,						
7.		003 ↓	30.0,						
8.	COJ210496	001	30.3,						
9.		004 x5	30.1,						
10.		005 x5	30.0,						
11.		006 x5	30.2,						
12.	COJ230431	007	30.0,	0.5	BNA0816-10	0.5			
13.									
14.									
15.									
16.									
17.									
18.									
19.									
20.									
21.									
22.									
23.									
24.									
Analyst:		KG	KG	KG	KG	JM	JM	JM	JM	KG

KG 10-26-10

Extract(s) (record line # from above)	Date	Time	Extract(s) Received	Analyst	Location	Date	Time	Extract(s) Relinquished	Analyst	Location
All Above	10-26-10	09:20	K. Dee		On Prep	10-26-10	09:30	K. Dee		RF04.BNA
All Above	10-26-10	22:00	Sandra Brumpt			10/27/10	00:30	Sandra Brumpt		

Start Temp: End Temp: (+/- 5%)

Sodium Sulfate Mfg/Lot Number: Baker \ OP0195-10

Magnesium Sulfate Mfg/Lot Number: Baker OP0199-10 N2 Blow Down Temp: 32°

Comments:

Reviewed by: K. Dee Date: 10-26-10 Balance ID: 1120122641

Cleanups | TBA: | H2SO4: | Carboprep:

printed on: 01-Oct-10 5:13:20 AM

v2 06/16/2005

(1001 - 1250) 1247 COJ210496

Simulate Run Sequence Tue Oct 26 23:56:55 2010

Instrument Name: GC/MS Instrument #1
Sequence File: C:\HPCHEM\1\SEQUENCE\102710.S
Comment: STL- PITT HP5973-2 LOG 2ul inj 100ul+1ul int
Operator: 007062
Data Path: d:\HPCHEM\1\DATA\102710.b\
Method Path: C:\HPCHEM\1\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	Sample	99	F1027CL1	FFAST	Clean Out Blank
2)	Sample	99	F1027CL2	FFAST	Clean Out Blank
3)	Sample	1	F1027DF1	DFTPP	DFTPP050 (25ug/ml) BNA0170-10
4)	Sample	2	F10270C1	FFAST	SSTD4 (2ug/ml) BNA0823-10
5)	Sample	2	F10270C2	FFAST	SSTD4 (2ug/ml) BNA0823-10
6)	Sample	100	F10270B6	FFAST	Clean Out Blank
7)	Sample	3	F1027001	FFAST	C0J210503-BLK 10/22/10 H2O (0295142)
8)	Sample	4	F1027002	FFAST	C0J220412-LCS 10/22/10 H2O (0295144)
9)	Sample	5	F1027003	FFAST	C0J210503-LCS 10/22/10 H2O (0295142)
10)	Sample	6	F1027004	FFAST	C0J210503-LCSD 10/22/10 H2O (0295142)
11)	Sample	7	F1027005	FFAST	C0J210503-001 10/22/10 H2O (0295142)
12)	Sample	8	F1027006	FFAST	C0J210509-001 x5 10/22/10 H2O (0295142)
13)	Sample	9	F1027007	FFAST	C0J210509-002 10/22/10 H2O (0295142)
14)	Sample	10	F1027008	FFAST	C0J210509-003 10/22/10 H2O (0295142)
15)	Sample	11	F1027009	FFAST	C0J210509-004 10/22/10 H2O (0295142)
16)	Sample	12	F1027010	FFAST	C0J140486-BLK 10/22/10 Soil GPC (0295052)
17)	Sample	13	F1027011	FFAST	C0J140486-LCS 10/22/10 Soil GPC (0295052)
18)	Sample	14	F1027012	FFAST	C0J140486-001 10/22/10 Soil GPC (0295052)
19)	Sample	15	F1027013	FFAST	C0J140486-001S 10/22/10 Soil GPC (0295052)
20)	Sample	16	F1027014	FFAST	C0J140486-001D 10/22/10 Soil GPC (0295052)
21)	Sample	17	F1027015	FFAST	C0J200539-BLK 10/26/10 Soil (0299052)
22)	Sample	18	F1027016	FFAST	C0J200539-LCS 10/26/10 Soil (0299052)
23)	Sample	19	F1027017	FFAST	C0J200539-001 x10 10/26/10 Soil (0299052)
24)	Sample	20	F1027018	FFAST	C0J200539-002 x10 10/26/10 Soil (0299052)
25)	Sample	21	F1027019	FFAST	C0J200539-002S x10 10/26/10 Soil (0299052)
26)	Sample	22	F1027020	FFAST	C0J200539-002D x10 10/26/10 Soil (0299052)
27)	Sample	23	F1027021	FFAST	C0J200539-003 x10 10/26/10 Soil (0299052)
28)	Sample	24	F1027022	FFAST	C0J210496-001 10/26/10 Soil (0299052)
29)	Sample	25	F1027023	FFAST	C0J210496-004 x5 10/26/10 Soil (0299052)
30)	Sample	26	F1027024	FFAST	C0J210496-005 x5 10/26/10 Soil (0299052)
31)	Sample	27	F1027025	FFAST	C0J210496-006 x5 10/26/10 Soil (0299052)
32)	Sample	28	F1027026	FFAST	C0J210496-007 10/26/10 Soil (0299052)
33)	Sample	100	F10270B5	FFAST	Clean Out Blank
34)	Sample	29	F1027027	FFAST	C0J250473-BLK 10/26/10 TCLP (0299345)
35)	Sample	30	F1027028	FFAST	C0J250473-LCS 10/26/10 TCLP (0299345)
36)	Sample	31	F1027029	FFAST	C0J250473-LCSD 10/26/10 TCLP (0299345)
37)	Sample	32	F1027030	FFAST	C0J250473-001 10/26/10 TCLP (0299345)
38)	Sample	100	F10270B1	FFAST	Clean Out Blank
39)	Sample	100	F10270B2	FFAST	Clean Out Blank
40)	Sample	100	F10270B3	FFAST	Clean Out Blank
41)	Sample	100	F10270B4	FFAST	Clean Out Blank

Bytes Needed: 2050000 Space on drive D: 1023932928
Sequence Verification Done!

Simulate Run Sequence Thu Sep 02 04:54:48 2010

Instrument Name: GC/MS Instrument #1
Sequence File: C:\HPCHEM\1\SEQUENCE\090210.S
Comment: STL- PITT HP5973-2 LOG 2ul inj 100ul+1ul int
Operator: 007062
Data Path: d:\HPCHEM\1\DATA\090210.b\
Method Path: C:\HPCHEM\1\METHODS\

8270
9/2/10
FBB

Line	Type	Vial	DataFile	Method	Sample Name
1)	Sample	99	F0902CL1	FFAST	Clean Out Blank
2)	Sample	99	F0902CL2	FFAST	Clean Out Blank
3)	Sample	1	F0902DF1	DFTPP	DFTPP050 (25ug/ml) BNA0170-10
4)	Sample	2	F09020C1	FFAST	SSTD4 (2ug/ml) BNA0675-10
5)	Sample	3	F09020C2	FFAST	SSTD.4 (.2ug/ml) BNA0660-10
6)	Sample	4	F09020C3	FFAST	SSTD2 (1ug/ml) BNA0661-10
7)	Sample	5	F09020C4	FFAST	SSTD10 (5ug/ml) BNA0663-10
8)	Sample	6	F09020C5	FFAST	SSTD20 (10ug/ml) BNA0664-10
9)	Sample	7	F09020C6	FFAST	SSTD40 (20ug/ml) BNA0665-10
10)	Sample	8	F09020C7	FFAST	SSTD60 (30ug/ml) BNA0666-10
11)	Sample	9	F09020C8	FFAST	SSTD80 (40ug/ml) BNA0667-10
12)	Sample	10	F09020V1	FFAST	SSTDVER (20ug/ml) BNA0670-10
13)	Sample	100	F09020B6	FFAST	Clean Out Blank
14)	Sample	3	F0902001	FFAST	C0H300440-BLK 9/01/10 1g/10ml (0244399)
15)	Sample	4	F0902002	FFAST	C0H300440-LCS 9/01/10 1g/10ml (0244399)
16)	Sample	5	F0902003	FFAST	C0H300440-LCSD 9/01/10 1g/10ml (0244399)
17)	Sample	6	F0902004	FFAST	C0H300440-001 9/01/10 1g/10ml (0244399)
18)	Sample	7	F0902005	FFAST	C0H270586-BLK 8/31/10 Soil (0243092)
19)	Sample	8	F0902006	FFAST	C0H270586-LCS 8/31/10 Soil (0243092)
20)	Sample	9	F0902007	FFAST	C0H270586-002 x5 8/31/10 Soil (0243092)
21)	Sample	10	F0902008	FFAST	C0H270586-003 x5 8/31/10 Soil (0243092)
22)	Sample	11	F0902009	FFAST	C0H270586-005 x5 8/31/10 Soil (0243092)
23)	Sample	12	F0902010	FFAST	C0H270586-005S x5 8/31/10 Soil (0243092)
24)	Sample	13	F0902011	FFAST	C0H270586-005D x5 8/31/10 Soil (0243092)
25)	Sample	14	F0902012	FFAST	C0H270586-006 8/31/10 Soil (0243092)
26)	Sample	15	F0902013	FFAST	C0H270586-008 x5 8/31/10 Soil (0243092)
27)	Sample	16	F0902014	FFAST	C0H270586-009 8/31/10 Soil (0243092)
28)	Sample	17	F0902015	FFAST	C0H270586-011 x5 8/31/10 Soil (0243092)
29)	Sample	18	F0902016	FFAST	C0H270586-012 8/31/10 Soil (0243092)
30)	Sample	19	F0902017	FFAST	C0H270586-014 x5 8/31/10 Soil (0243092)
31)	Sample	20	F0902018	FFAST	C0H270586-015 8/31/10 Soil (0243092)
32)	Sample	21	F0902019	FFAST	C0H210433-001 x5 8/31/10 Soil (0243027)
33)	Sample	100	F09020B1	FFAST	Clean Out Blank
34)	Sample	100	F09020B2	FFAST	Clean Out Blank
35)	Sample	100	F09020B3	FFAST	Clean Out Blank
36)	Sample	100	F09020B4	FFAST	Clean Out Blank
37)	Sample	100	F09020B5	FFAST	Clean Out Blank

Bytes Needed: 1936905 Space on drive D: 1023932928
Sequence Verification Done!

REQUESTED BY: **GEEHRINK**

METHOD: 42 Base/Neutrals & Acids (8270C) Low Level Curve

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RC'D	QTY REQD	
11B CLP1	L8R38-1-AX	___ ___ ___	903415	007907	A-4F-42	C0J200539	001		SOLID	0	10	1
11B CLP1	L8R4D-1-DT	___ ___ ___	903416	007907	A-4F-42	C0J200539	002		SOLID	0	30	1
11B CLP1	L8R4E-1-A5	___ ___ ___	903417	007907	A-4F-42	C0J200539	003		SOLID	0	10	1
12B	L8VKP-1-AA	___ ___ ___	903411	356280	A-4F-42	C0J210496	001		SOLID	0	1	1
12B	L8VLA-1-AC	___ ___ ___	903412	356280	A-4F-42	C0J210496	004		SOLID	0	2	1
12B	L8VLH-1-AK	___ ___ ___	903413	356280	A-4F-42	C0J210496	005		SOLID	0	2	1
12B	L8VLJ-1-AT	___ ___ ___	903414	356280	A-4F-42	C0J210496	006		SOLID	0	2	1
14A	L81VA-1-A5	___ ___ ___	903410	108020	A-4F-42	C0J230431	007		SOLID	0	1	1

RELINQUISHED BY	RECEIVED BY	DATE/TIME
K. Smith	K. Smith	10-26-10 03:00
K. Smith	K. Smith	10-26-10 05:30

***** END OF REPORT *****

PCB DATA

PCB
QC SUMMARY

SW846 8082 SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Lot #: C0J210496

Extraction: XXA4FQH01

	CLIENT ID.	SRG01	SRG02	TOT OUT
01	EB10-20	97	91	00
02	SD10-19	96	81	00
03	SD10-18	104	75	00
04	SD10-31	96	80	00
05	SD10-32	96	78	00
06	SD10-33	90	80	00
07	METHOD BLK. L83WC1AA	107	103	00
08	LCS L83WC1AC	106	101	00
09	SD10-32 D	82	72	00
10	SD10-32 S	104	87	00

SURROGATES		QC LIMITS
SRG01	= Tetrachloro-m-xylene	(35-140)
SRG02	= Decachlorobiphenyl	(35-140)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8082 CHECK SAMPLE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Lot #: C0J260000 WO #: L83WC1AC
BATCH: 0299055

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	667	555	83	55 - 130	
Aroclor 1260	667	612	92	54 - 130	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Matrix Spike ID: SD10-32 Level:(low/med) LOW

Lot #: C0J210496 WO #: L8VLH1A8
BATCH: 0299055

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Aroclor 1016	1800	ND	1340	74	55 - 130	
Aroclor 1260	1800	27	1460	80	54 - 130	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Matrix Spike ID: SD10-32 Level:(low/med) LOW

Lot #: C0J210496 WO #: L8VLH1A9
BATCH: 0299055

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Aroclor 1016	1800	1150	64	15	35	55- 130	
Aroclor 1260	1800	1250	68	15	29	54- 130	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III

SW846 8082 METHOD BLANK SUMMARY

BLANK WORKORDER NO.: L83WC1AA

Lab Name: TestAmerica Laboratories, Inc.

Lab Code: TALPIT

SDG Number:

Lab File ID: Y1100341.

Lot Number: C0J210496

Matrix: SOLID

Extraction Method: 3541

Date Extracted: 10/26/10

Date Analyzed(1): 11/10/10

Date Analyzed(2): N/A

Time Analyzed(1): 15:04

Time Analyzed(2): N/A

Instrument ID(1): S/T

Instrument ID(2): N/A

GC Column(1): MR1/MR2 ID: 053 GC Column(2): N/A ID: N/A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED(1)	DATE ANALYZED(2)
01	EB10-20	L8VKP1AC	11/10/10	N/A
02	SD10-19	L8VKW1AC	11/10/10	N/A
03	SD10-18	L8VK81AH	11/10/10	N/A
04	SD10-31	L8VLA1AD	11/10/10	N/A
05	SD10-32	L8VLH1AL	11/10/10	N/A
06	SD10-32	L8VLH1A8 S	11/10/10	N/A
07	SD10-32	L8VLH1A9 D	11/10/10	N/A
08	SD10-33	L8VLJ1AU	11/10/10	N/A
09	CHECK SAMPLE	L83WC1AC C	11/10/10	N/A
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:

FORM IV

PCB
SAMPLE DATA

Leo Brausch Consulting

Client Sample ID: EB10-20

GC Semivolatiles

Lot-Sample #...: C0J210496-001
Date Sampled...: 10/20/10
Prep Date.....: 10/26/10
Prep Batch #...: 0299055
Dilution Factor: 0.49
% Moisture.....:

Work Order #...: L8VKP1AC
Date Received..: 10/21/10
Analysis Date..: 11/10/10
Analysis Time..: 10:45
Initial Wgt/Vol: 15.2 g
Analyst ID.....: 402360
Method.....: SW846 8082

Matrix.....: SOLID
MS Run #.....: 0299034

Final Wgt/Vol..: 10 mL
Instrument ID..: S/T

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	8.2	ug/kg	1.2
Aroclor 1221	ND	8.2	ug/kg	1.6
Aroclor 1232	ND	8.2	ug/kg	1.4
Aroclor 1242	ND	8.2	ug/kg	1.3
Aroclor 1248	ND	8.2	ug/kg	0.77
Aroclor 1254	ND	8.2	ug/kg	1.2
Aroclor 1260	ND	8.2	ug/kg	1.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	97	(35 - 140)
Decachlorobiphenyl	91	(35 - 140)

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100332.D
Report Date: 10-Nov-2010 13:22

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1100332.D
Lab Smp Id: L8VKP1AC Client Smp ID: EB10-20
Inj Date : 10-NOV-2010 10:45
Operator : Inst ID: gc14.i
Smp Info : L8VKP1AC,10260.B
Misc Info : C0J210496-001
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 10-Nov-2010 13:22 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 43
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-106

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.200	initial volume of sample
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.296	5.303	-0.007	328250	0.01931	12.702		
1 Aroclor-1221						CAS #: 11104-28-2	
Peaks not detected for Quant. or Qual. signal(s).							
4 Aroclor-1016						CAS #: 12674-11-2	
Peaks not detected for Quant. or Qual. signal(s).							
3 Aroclor-1232						CAS #: 11141-16-5	
Peaks not detected for Quant. or Qual. signal(s).							

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100332.D
Report Date: 10-Nov-2010 13:22

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		

Peaks not detected for Quant. or Qual. signal(s).

---

6 Aroclor-1248					CAS #: 12672-29-6		

Peaks not detected for Quant. or Qual. signal(s).

---

7 Aroclor-1254					CAS #: 11097-69-1		

Peaks not detected for Quant. or Qual. signal(s).

---

8 Aroclor-1260					CAS #: 11096-82-5		

Peaks not detected for Quant. or Qual. signal(s).

---

9 Aroclor-1262					CAS #: 37324-23-5		

Peaks not detected for Quant. or Qual. signal(s).

---

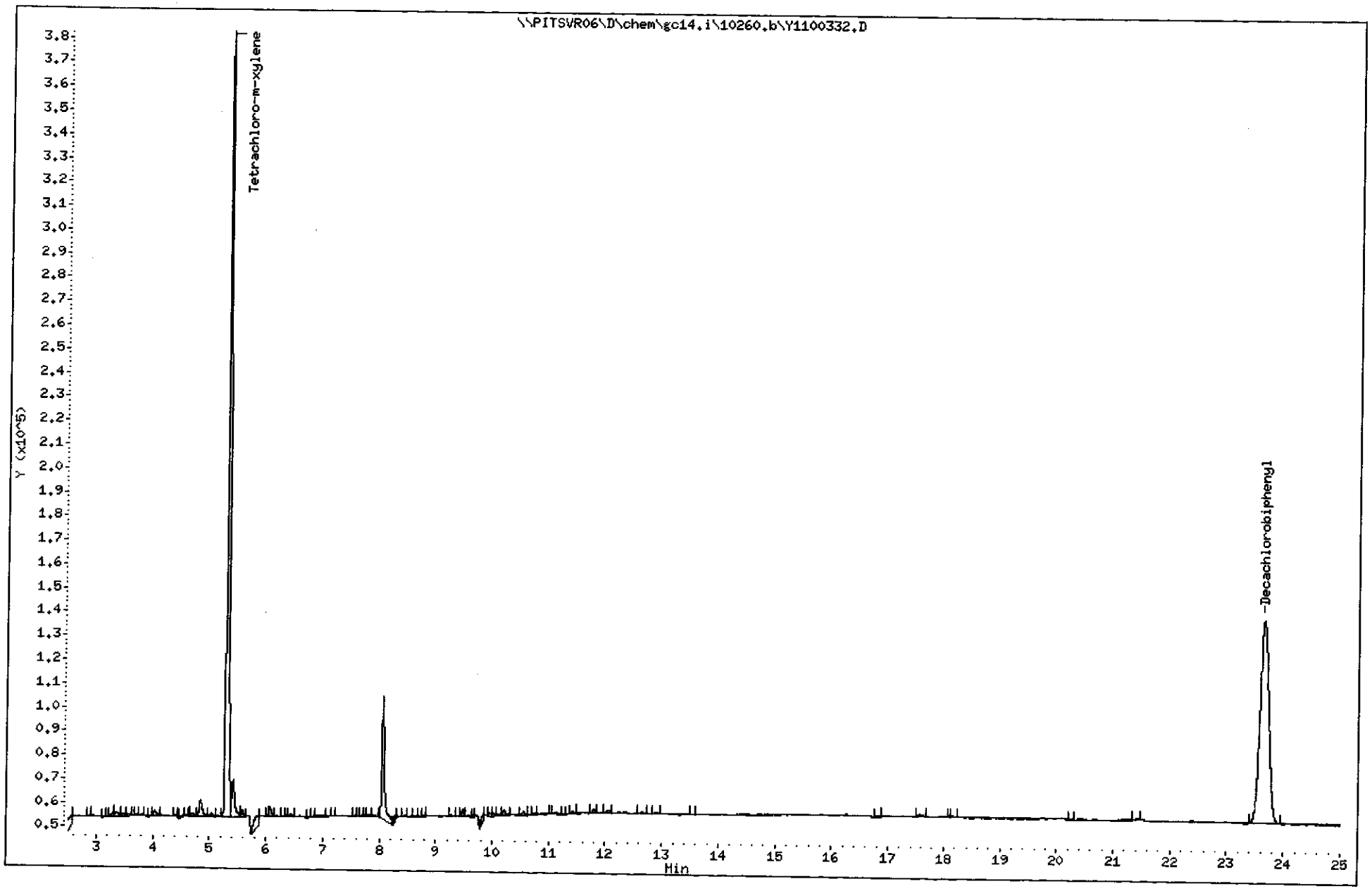
10 Aroclor-1268					CAS #: 11100-14-4		

Peaks not detected for Quant. or Qual. signal(s).

$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
23.648	23.675	-0.027	84391	0.01817	11.953		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100332.D
Date : 10-NOV-2010 10:45
Client ID: EB10-20
Sample Info: L8VKP1AC,10260.B
Volume Injected (uL): 1.0
Column phase: MR-1

Instrument: gc14.i
Operator:
Column diameter: 0.53



(2001 - 2148)
2012
C0J210496

Leo Brausch Consulting

Client Sample ID: SD10-19

GC Semivolatiles

Lot-Sample #...:	C0J210496-002	**Work Order #...:**	L8VKW1AC	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	10/21/10	**MS Run #.....:**	0299034
Prep Date.....:	10/26/10	**Analysis Date..:**	11/10/10		
Prep Batch #...:	0299055	**Analysis Time..:**	11:13		
Dilution Factor:	0.5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	25	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	11	ug/kg	1.7
Aroclor 1221	ND	11	ug/kg	2.1
Aroclor 1232	ND	11	ug/kg	1.9
Aroclor 1242	ND	11	ug/kg	1.8
Aroclor 1248	ND	11	ug/kg	1.1
Aroclor 1254	ND	11	ug/kg	1.6
Aroclor 1260	**2.9 J**	**11**	**ug/kg**	**1.6**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	96	(35 - 140)
Decachlorobiphenyl	81	(35 - 140)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100333.D
Report Date: 10-Nov-2010 13:22

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1100333.D
Lab Smp Id: L8VKW1AC Client Smp ID: SD10-19
Inj Date : 10-NOV-2010 11:13
Operator : Inst ID: gc14.i
Smp Info : L8VKW1AC,10260.B
Misc Info : C0J210496-002
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 10-Nov-2010 13:22 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 44
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-106

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.000	initial volume of sample
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.296	5.303	-0.007	325653	0.01915	12.769		
1 Aroclor-1221					CAS #: 11104-28-2		
Peaks not detected for Quant. or Qual. signal(s).							
4 Aroclor-1016					CAS #: 12674-11-2		
Peaks not detected for Quant. or Qual. signal(s).							
3 Aroclor-1232					CAS #: 11141-16-5		
Operator disabled compound identification.							

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100333.D
Report Date: 10-Nov-2010 13:22

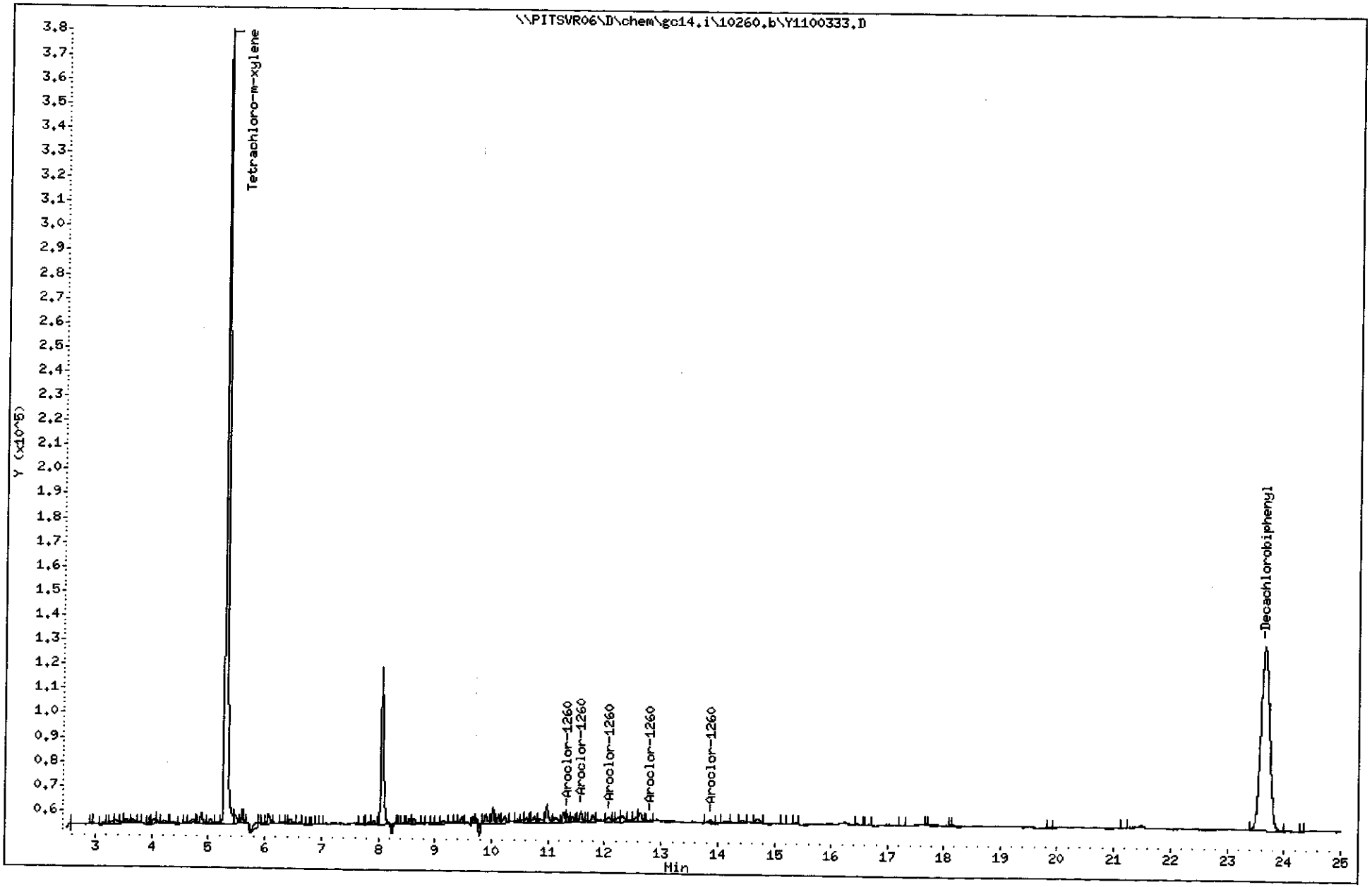
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
5 Aroclor-1242					CAS #: 53469-21-9			
Operator disabled compound identification.								
6 Aroclor-1248					CAS #: 12672-29-6			
Operator disabled compound identification.								
7 Aroclor-1254					CAS #: 11097-69-1			
Operator disabled compound identification.								
8 Aroclor-1260					CAS #: 11096-82-5			
11.337	11.353	-0.016	3316	0.00371	2.4759	0.00- 0.00	0.00	(aM)
11.584	11.595	-0.011	4294	0.00399	2.6620	115.86- 115.86	0.00	
12.075	12.100	-0.025	1920	0.00455	3.0346	136.91- 136.91	0.00	
12.792	12.813	-0.021	760	0.00120	0.79742	140.00- 140.00	0.00	
13.880	13.872	0.008	1487	0.00260	1.7326	128.33- 128.33	0.00	
Average of Peak Concentrations =					2.1405			
9 Aroclor-1262					CAS #: 37324-23-5			
Peaks not detected for Quant. or Qual. signal(s).								
10 Aroclor-1268					CAS #: 11100-14-4			
Peaks not detected for Quant. or Qual. signal(s).								
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3			
23.659	23.675	-0.016	75517	0.01626	10.839			

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100333.D
Date : 10-NOV-2016 11:13
Client ID: SD10-19
Sample Info: L8VKW1AC,10260.B
Volume Injected (uL): 1.0
Column phase: MR-1

Instrument: gc14.i
Operator:
Column diameter: 0.53

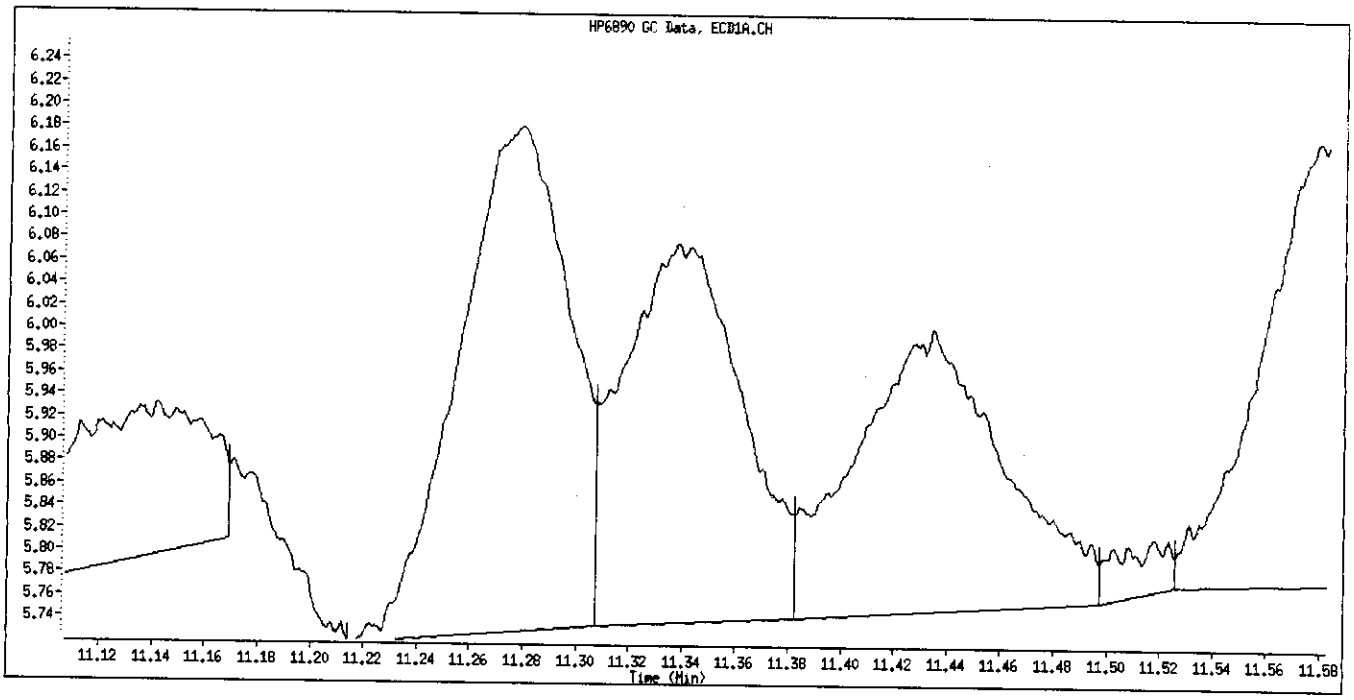


(2001 - 2148)

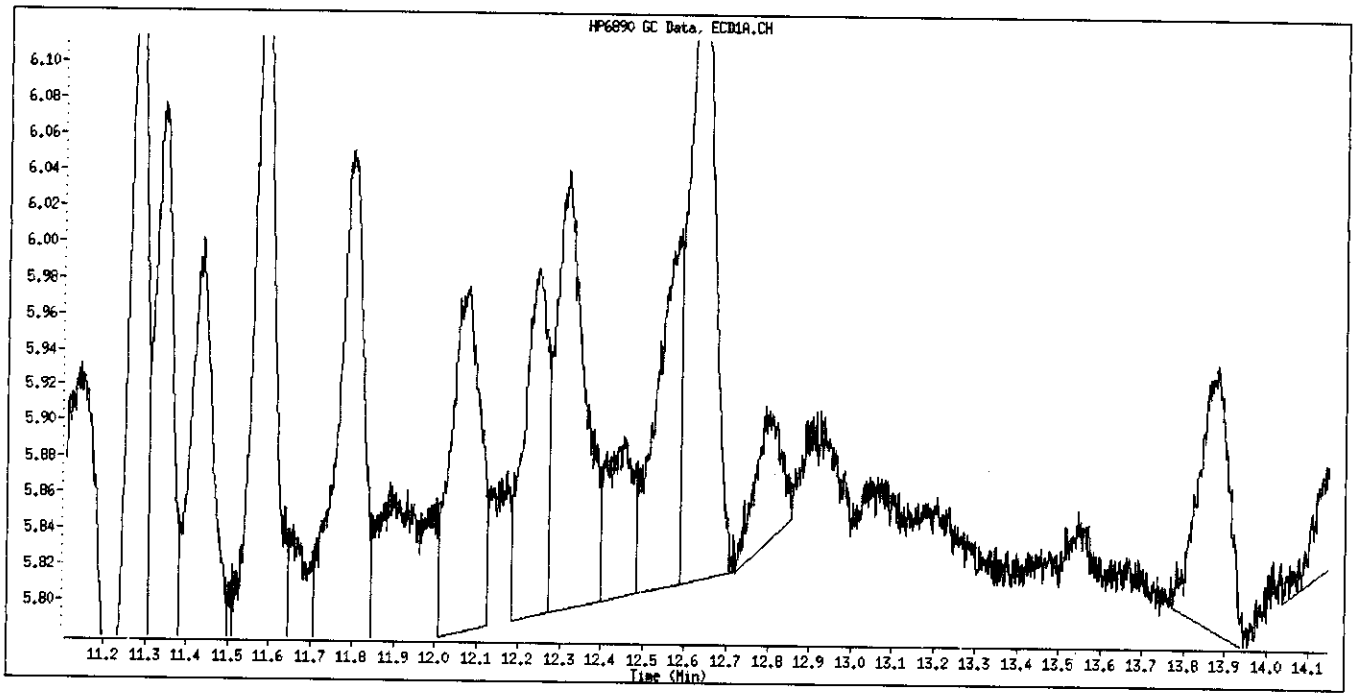
2016

C0J210496

Data File Name: Y1100333.D
Inj. Date and Time: 10-NOV-2010 11:13
Instrument ID: gc14.i
Client ID: SD10-19
Compound Name: Aroclor-1260
CAS #: 11096-82-5



Original Integration



Manual Integration

Manually Integrated By: guptaa
Manual Integration Reason: Poor Chromatography

Leo Brausch Consulting

Client Sample ID: SD10-18

GC Semivolatiles

Lot-Sample #...: C0J210496-003	**Work Order #...:** L8VK81AH	**Matrix.....:** SOLID
Date Sampled...: 10/20/10	**Date Received..:** 10/21/10	**MS Run #.....:** 0299034
Prep Date.....: 10/26/10	**Analysis Date..:** 11/10/10	
Prep Batch #...: 0299055	**Analysis Time..:** 11:43	
Dilution Factor: 0.49	**Initial Wgt/Vol:** 15.1 g	**Final Wgt/Vol..:** 10 mL
% Moisture.....: 46	**Analyst ID.....:** 402360	**Instrument ID..:** S/T
	Method.....: SW846 8082	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	15	ug/kg	2.2
Aroclor 1221	ND	15	ug/kg	2.9
Aroclor 1232	ND	15	ug/kg	2.6
Aroclor 1242	ND	15	ug/kg	2.5
Aroclor 1248	ND	15	ug/kg	1.4
Aroclor 1254	ND	15	ug/kg	2.1
Aroclor 1260	**28**	**15**	**ug/kg**	**2.1**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	104	(35 - 140)
Decachlorobiphenyl	75	(35 - 140)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100334.D
Report Date: 10-Nov-2010 13:22

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1100334.D
Lab Smp Id: L8VK81AH Client Smp ID: SD10-18
Inj Date : 10-NOV-2010 11:43
Operator : Inst ID: gc14.i
Smp Info : L8VK81AH,10260.B
Misc Info : C0J210496-003
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 10-Nov-2010 13:22 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 45
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-106

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.100	initial volume of sample
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8	
5.297	5.303	-0.006	353675	0.02080	13.776		
1 Aroclor-1221						CAS #: 11104-28-2	
Peaks not detected for Quant. or Qual. signal(s).							
4 Aroclor-1016						CAS #: 12674-11-2	
Peaks not detected for Quant. or Qual. signal(s).							
3 Aroclor-1232						CAS #: 11141-16-5	
Operator disabled compound identification.							

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100334.D
Report Date: 10-Nov-2010 13:22

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
5 Aroclor-1242					CAS #: 53469-21-9			
Operator disabled compound identification.								
6 Aroclor-1248					CAS #: 12672-29-6			
Operator disabled compound identification.								
7 Aroclor-1254					CAS #: 11097-69-1			
Operator disabled compound identification.								
8 Aroclor-1260					CAS #: 11096-82-5			
11.338	11.353	-0.015	27108	0.03036	20.106	0.00- 0.00	0.00	(aM)
11.582	11.595	-0.013	36326	0.03378	22.370	115.86- 115.86	0.00	
12.085	12.100	-0.015	7032	0.01667	11.040	136.91- 136.91	0.00	
12.798	12.813	-0.015	7722	0.01215	8.0485	140.00- 140.00	0.00	
13.875	13.872	0.003	12824	0.02241	14.843	128.33- 128.33	0.00	
Average of Peak Concentrations =					15.282			
9 Aroclor-1262					CAS #: 37324-23-5			
Peaks not detected for Quant. or Qual. signal(s).								
10 Aroclor-1268					CAS #: 11100-14-4			
Peaks not detected for Quant. or Qual. signal(s).								
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3			
23.659	23.675	-0.016	69238	0.01491	9.8720			

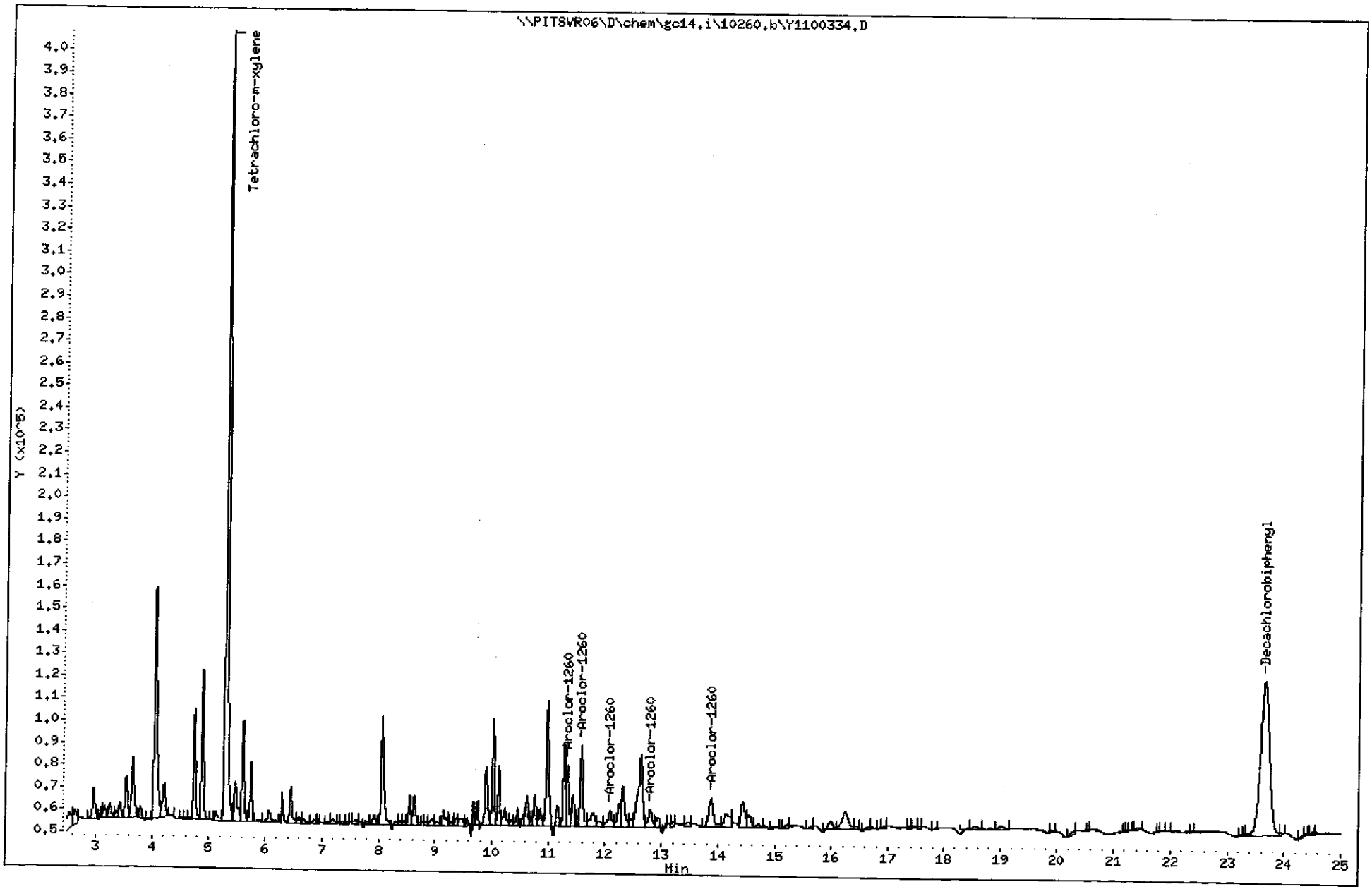
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100334.D
Date : 10-NOV-2010 11:43
Client ID: SD10-18
Sample Info: L8VK81AH,10260,B
Volume Injected (uL): 1.0
Column phase: MR-1

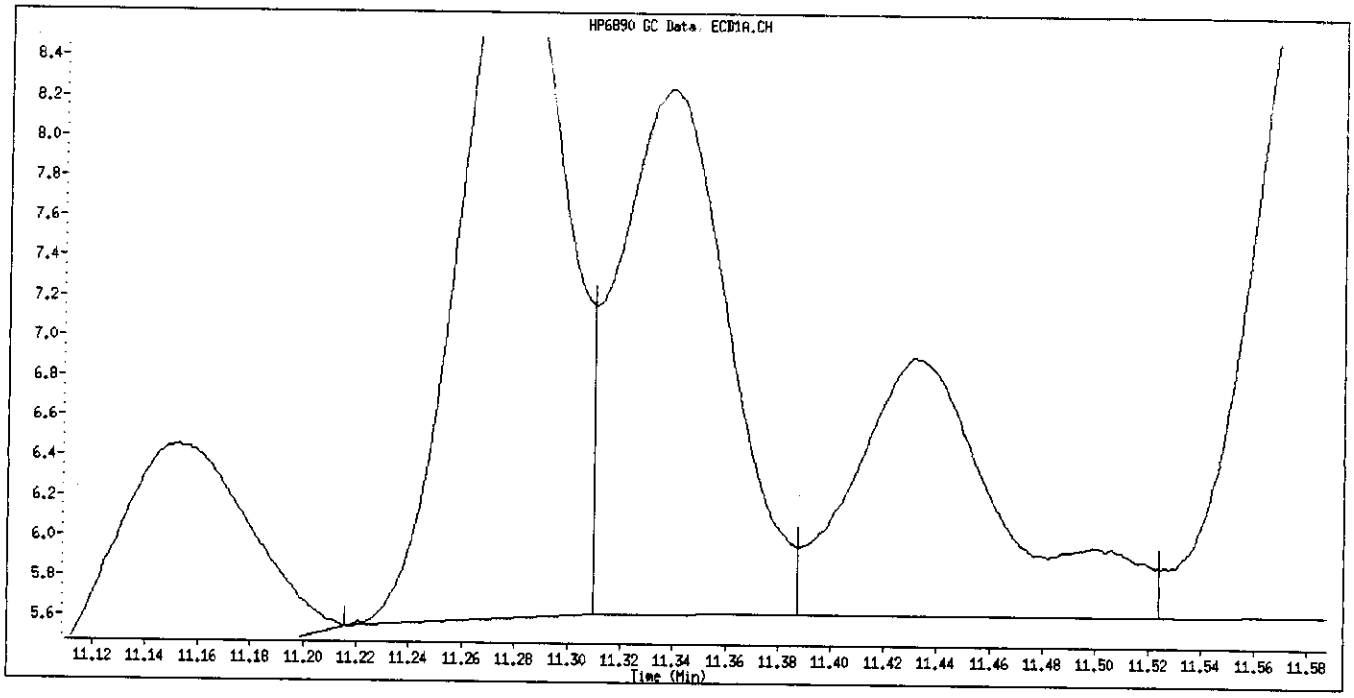
Instrument: gc14.i

Operator:
Column diameter: 0.53

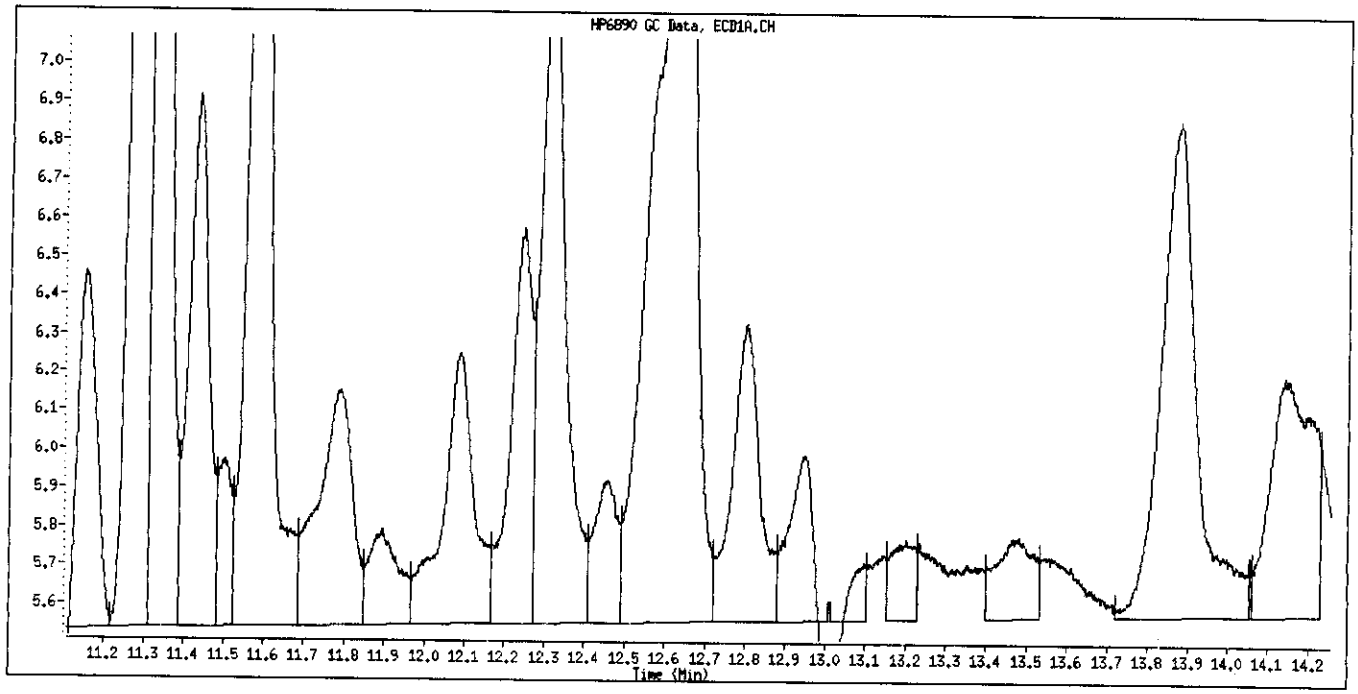


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2021
C0J210496

Data File Name: Y1100334.D
Inj. Date and Time: 10-NOV-2010 11:43
Instrument ID: gc14.i
Client ID: SD10-18
Compound Name: Aroclor-1260
CAS #: 11096-82-5



Original Integration



Manual Integration

Manually Integrated By: guptaa
Manual Integration Reason: Poor Chromatography

Leo Brausch Consulting

Client Sample ID: SD10-31

GC Semivolatiles

Lot-Sample #...:	C0J210496-004	**Work Order #...:**	L8VLA1AD	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	10/21/10	**MS Run #.....:**	0299034
Prep Date.....:	10/26/10	**Analysis Date..:**	11/10/10		
Prep Batch #...:	0299055	**Analysis Time..:**	12:11		
Dilution Factor:	0.5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	52	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	18	ug/kg	2.6
Aroclor 1221	ND	18	ug/kg	3.3
Aroclor 1232	ND	18	ug/kg	3.0
Aroclor 1242	ND	18	ug/kg	2.9
Aroclor 1248	ND	18	ug/kg	1.7
Aroclor 1254	ND	18	ug/kg	2.5
Aroclor 1260	**20**	**18**	**ug/kg**	**2.5**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	96	(35 - 140)
Decachlorobiphenyl	80	(35 - 140)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100335.D
Report Date: 10-Nov-2010 13:22

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1100335.D
Lab Smp Id: L8VLA1AD Client Smp ID: SD10-31
Inj Date : 10-NOV-2010 12:11
Operator : Inst ID: gc14.i
Smp Info : L8VLA1AD,10260.B
Misc Info : C0J210496-004
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 10-Nov-2010 13:22 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 46
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-106

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.000	initial volume of sample
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
	RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
$	2 Tetrachloro-m-xylene					CAS #: 877-09-8		
	5.298	5.303	-0.005	326440	0.01920	12.800		
	1 Aroclor-1221					CAS #: 11104-28-2		
	Peaks not detected for Quant. or Qual. signal(s).							
	4 Aroclor-1016					CAS #: 12674-11-2		
	Peaks not detected for Quant. or Qual. signal(s).							
	3 Aroclor-1232					CAS #: 11141-16-5		
	Operator disabled compound identification.							

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100335.D
Report Date: 10-Nov-2010 13:22

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		

Operator disabled compound identification.

---

6 Aroclor-1248					CAS #: 12672-29-6		

Operator disabled compound identification.

---

7 Aroclor-1254					CAS #: 11097-69-1		

Operator disabled compound identification.

---

8 Aroclor-1260					CAS #: 11096-82-5		
11.340	11.353	-0.013	12828	0.01437	9.5782	0.00- 0.00	0.00(aM)
11.582	11.595	-0.013	19801	0.01841	12.275	115.86- 115.86	0.00
12.080	12.100	-0.020	6180	0.01465	9.7675	136.91- 136.91	0.00
12.797	12.813	-0.016	6644	0.01046	6.9711	140.00- 140.00	0.00
13.873	13.872	0.001	7562	0.01322	8.8110	128.33- 128.33	0.00
		Average of Peak Concentrations =			9.4806		

---

9 Aroclor-1262					CAS #: 37324-23-5		

Peaks not detected for Quant. or Qual. signal(s).

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10 Aroclor-1268					CAS #: 11100-14-4		

Peaks not detected for Quant. or Qual. signal(s).

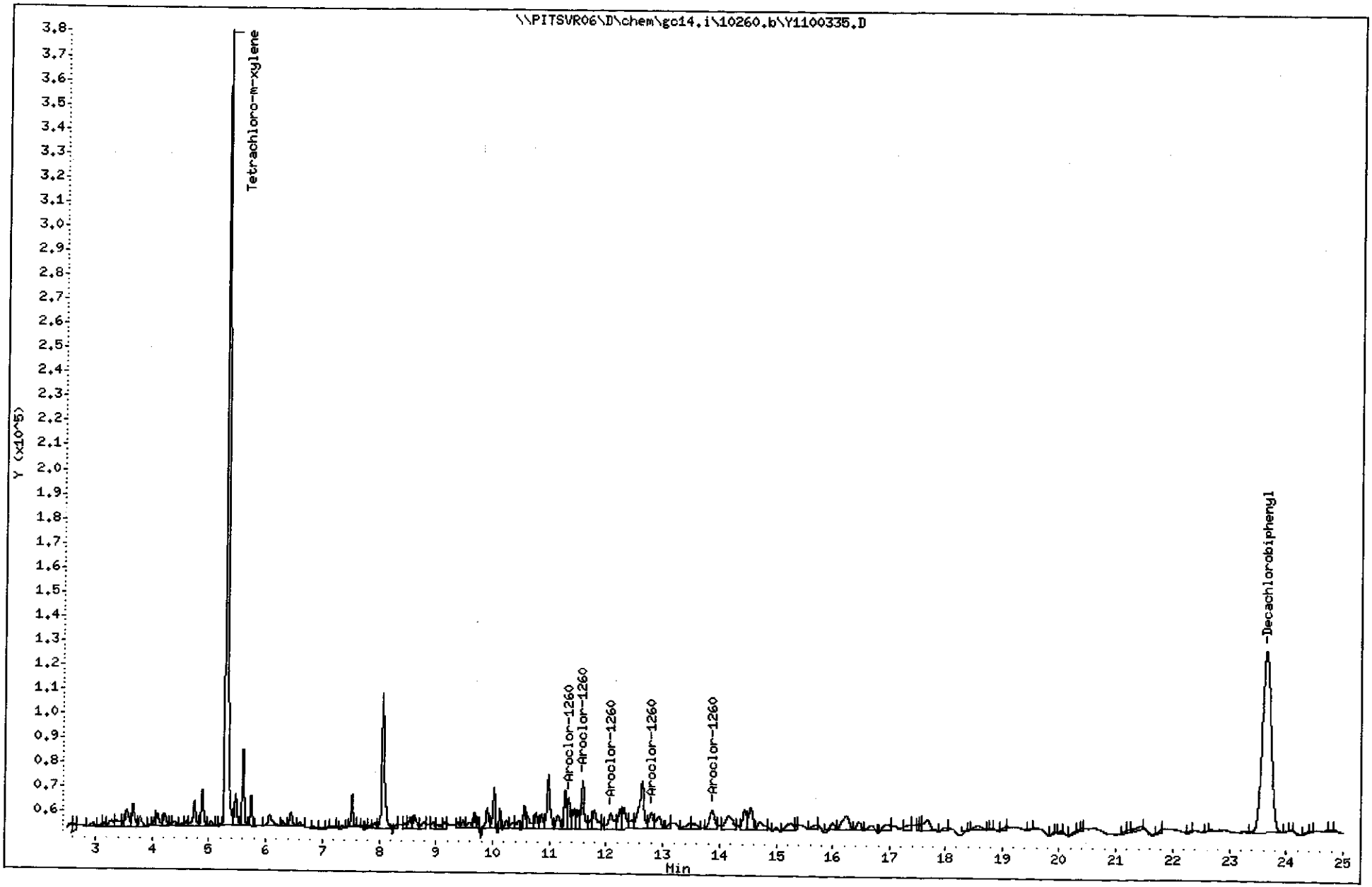
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
23.650	23.675	-0.025	74057	0.01594	10.629		

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

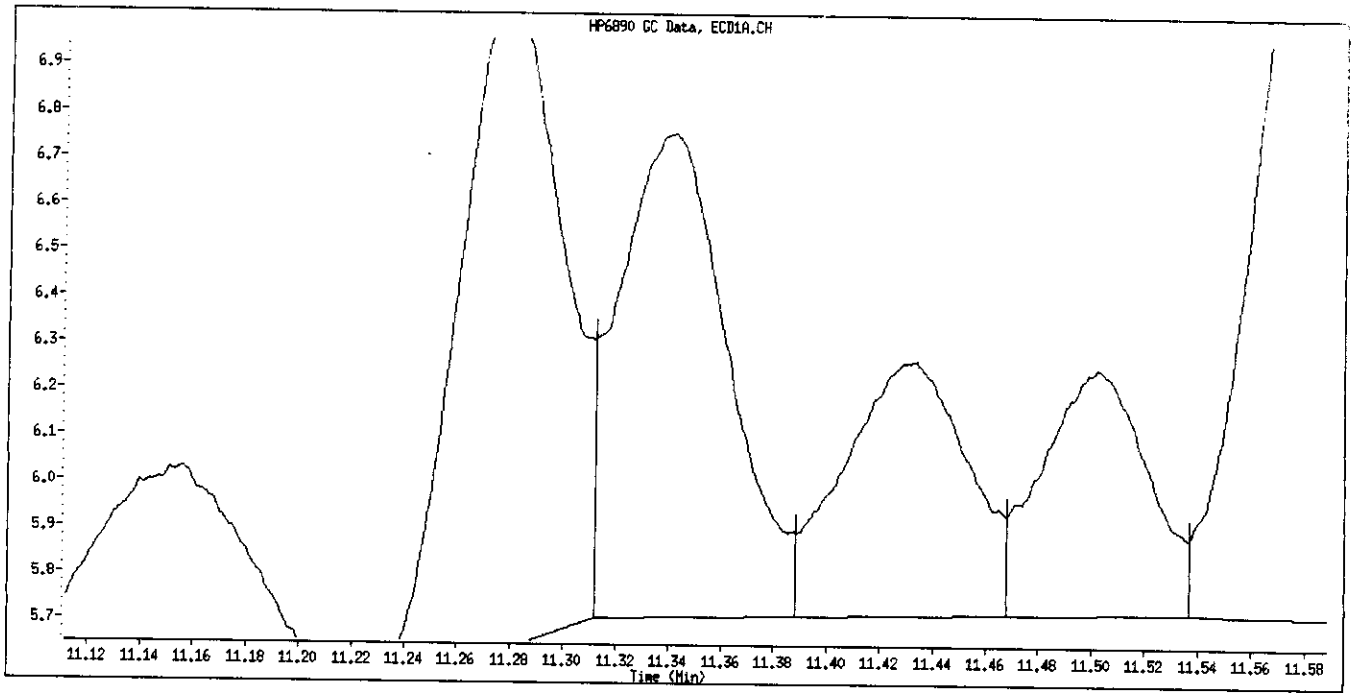
Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100335.D
Date : 10-NOV-2010 12:11
Client ID: SB10-31
Sample Info: LCSWLCSAD,10260,B
Volume Injected (uL): 1.0
Column phase: MP-1

Instrument: gc14.i
Operator:
Column diameter: 0.53

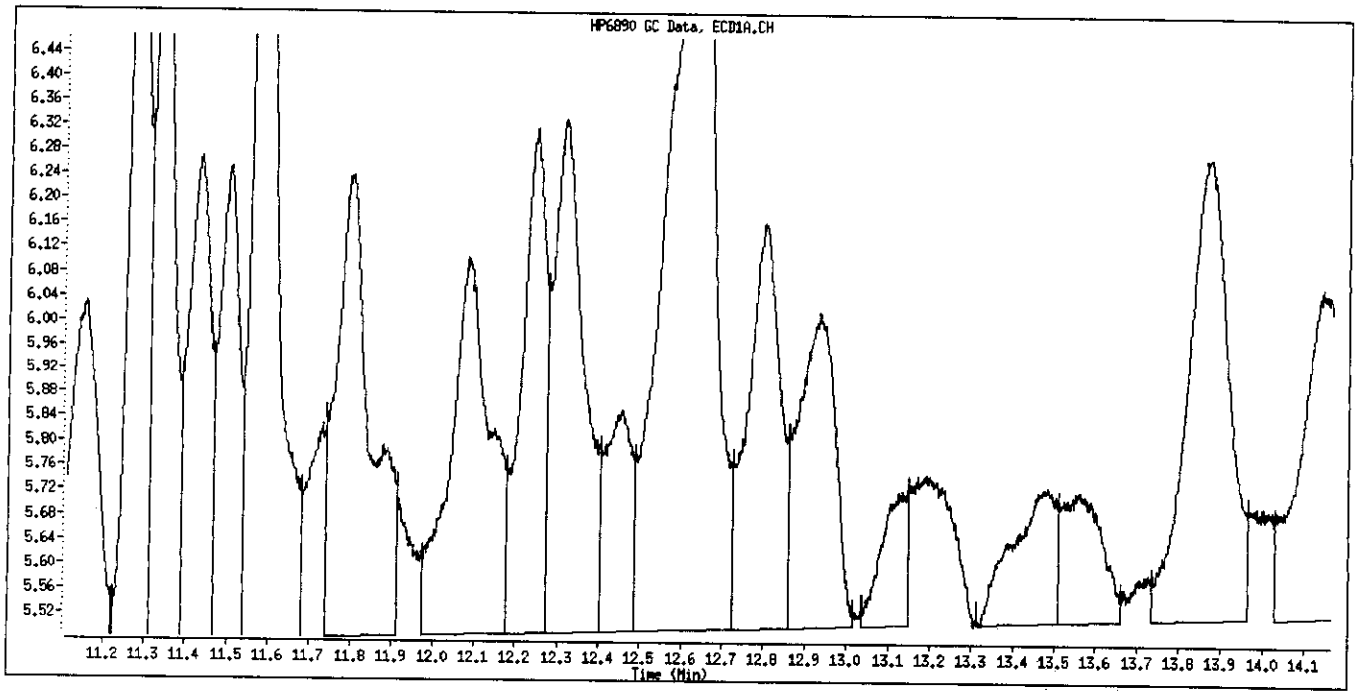


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2026
C0J210496

Data File Name: Y1100335.D
Inj. Date and Time: 10-NOV-2010 12:11
Instrument ID: gc14.i
Client ID: SD10-31
Compound Name: Aroclor-1260
CAS #: 11096-82-5



Original Integration



Manual Integration

Manually Integrated By: guptaa
Manual Integration Reason: Poor Chromatography

Leo Brausch Consulting

Client Sample ID: SD10-32

GC Semivolatiles

Lot-Sample #...:	C0J210496-005	**Work Order #...:**	L8VLH1AL	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	10/21/10	**MS Run #.....:**	0299034
Prep Date.....:	10/26/10	**Analysis Date..:**	11/10/10		
Prep Batch #...:	0299055	**Analysis Time..:**	12:40		
Dilution Factor:	0.5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	63	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	22	ug/kg	3.3
Aroclor 1221	ND	22	ug/kg	4.3
Aroclor 1232	ND	22	ug/kg	3.8
Aroclor 1242	ND	22	ug/kg	3.7
Aroclor 1248	ND	22	ug/kg	2.1
Aroclor 1254	ND	22	ug/kg	3.2
Aroclor 1260	**27**	**22**	**ug/kg**	**3.2**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	96	(35 - 140)
Decachlorobiphenyl	78	(35 - 140)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100336.D
Report Date: 10-Nov-2010 13:23

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1100336.D
Lab Smp Id: L8VLH1AL Client Smp ID: SD10-32
Inj Date : 10-NOV-2010 12:40
Operator : Inst ID: gc14.i
Smp Info : L8VLH1AL,10260.B
Misc Info : C0J210496-005
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 10-Nov-2010 13:22 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 47
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-106

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.000	initial volume of sample
Cpnd Variable		Local Compound Variable

			CONCENTRATIONS				
				ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.297	5.303	-0.006	325854	0.01917	12.777		
1 Aroclor-1221					CAS #: 11104-28-2		
Peaks not detected for Quant. or Qual. signal(s).							
4 Aroclor-1016					CAS #: 12674-11-2		
Peaks not detected for Quant. or Qual. signal(s).							
3 Aroclor-1232					CAS #: 11141-16-5		
Peaks not detected for Quant. or Qual. signal(s).							

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100336.D
Report Date: 10-Nov-2010 13:23

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		

Operator disabled compound identification.

---

6 Aroclor-1248					CAS #: 12672-29-6			

Operator disabled compound identification.

---

7 Aroclor-1254					CAS #: 11097-69-1			

Operator disabled compound identification.

---

8 Aroclor-1260					CAS #: 11096-82-5			
11.338	11.353	-0.015	15163	0.01698	11.322	0.00- 0.00	0.00	(aM)
11.579	11.595	-0.016	21051	0.01958	13.050	115.86- 115.86	0.00	
12.084	12.100	-0.016	6308	0.01495	9.9698	136.91- 136.91	0.00	
12.795	12.813	-0.018	7314	0.01151	7.6741	140.00- 140.00	0.00	
13.860	13.872	-0.012	7652	0.01337	8.9158	128.33- 128.33	0.00	
		Average of Peak Concentrations =			10.186			

---

9 Aroclor-1262					CAS #: 37324-23-5			

Peaks not detected for Quant. or Qual. signal(s).

---

10 Aroclor-1268					CAS #: 11100-14-4			

Peaks not detected for Quant. or Qual. signal(s).

$ 11 Decachlorobiphenyl					CAS #: 2051-24-3			

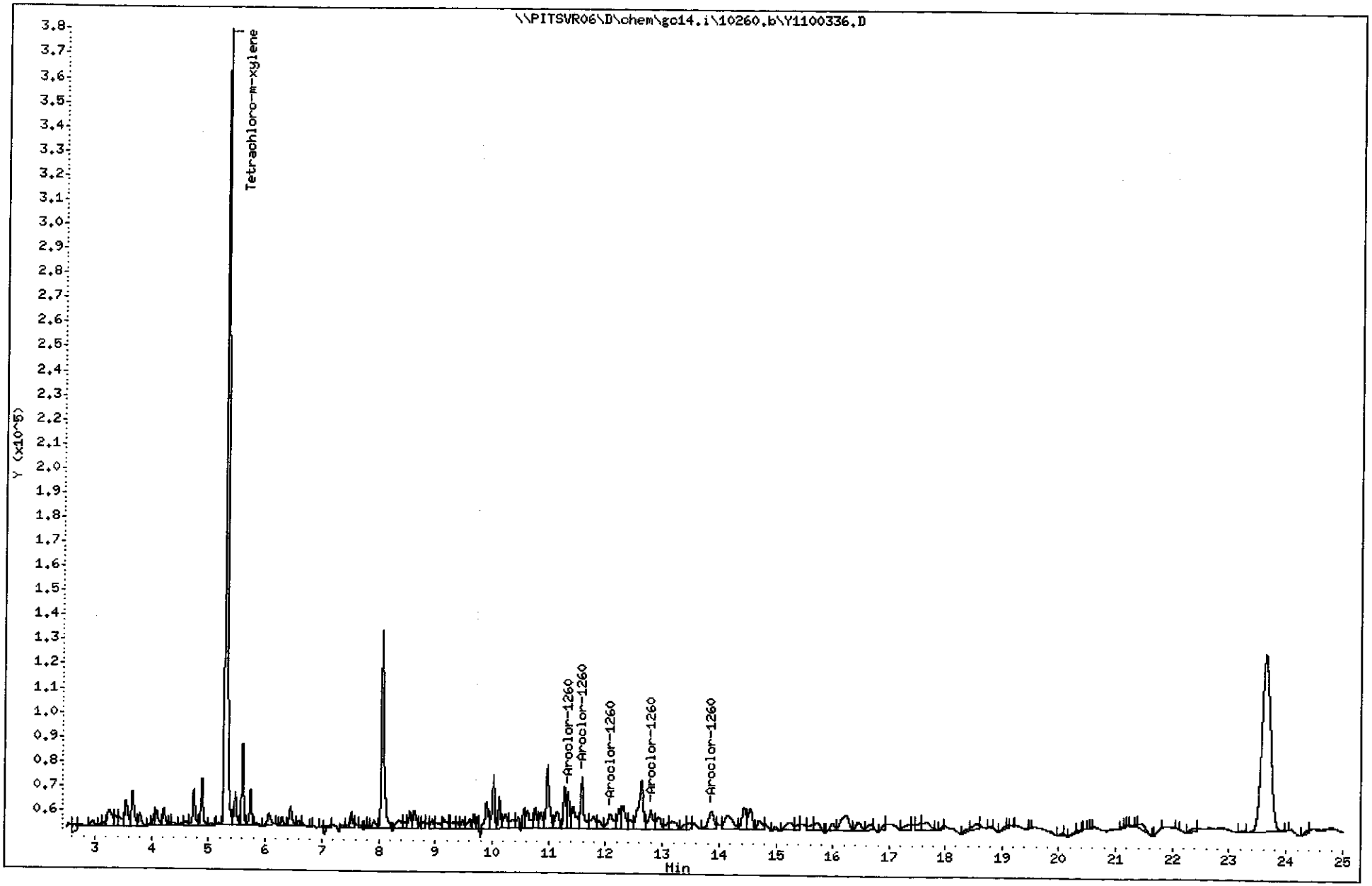
Peaks not detected for Quant. or Qual. signal(s).

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100336.D
Date : 10-NOV-2010 12:40
Client ID: SD10-32
Sample Info: L8VLH1AL,10260,B
Volume Injected (uL): 1.0
Column phase: MR-1

Instrument: gc14.i
Operator:
Column diameter: 0.53

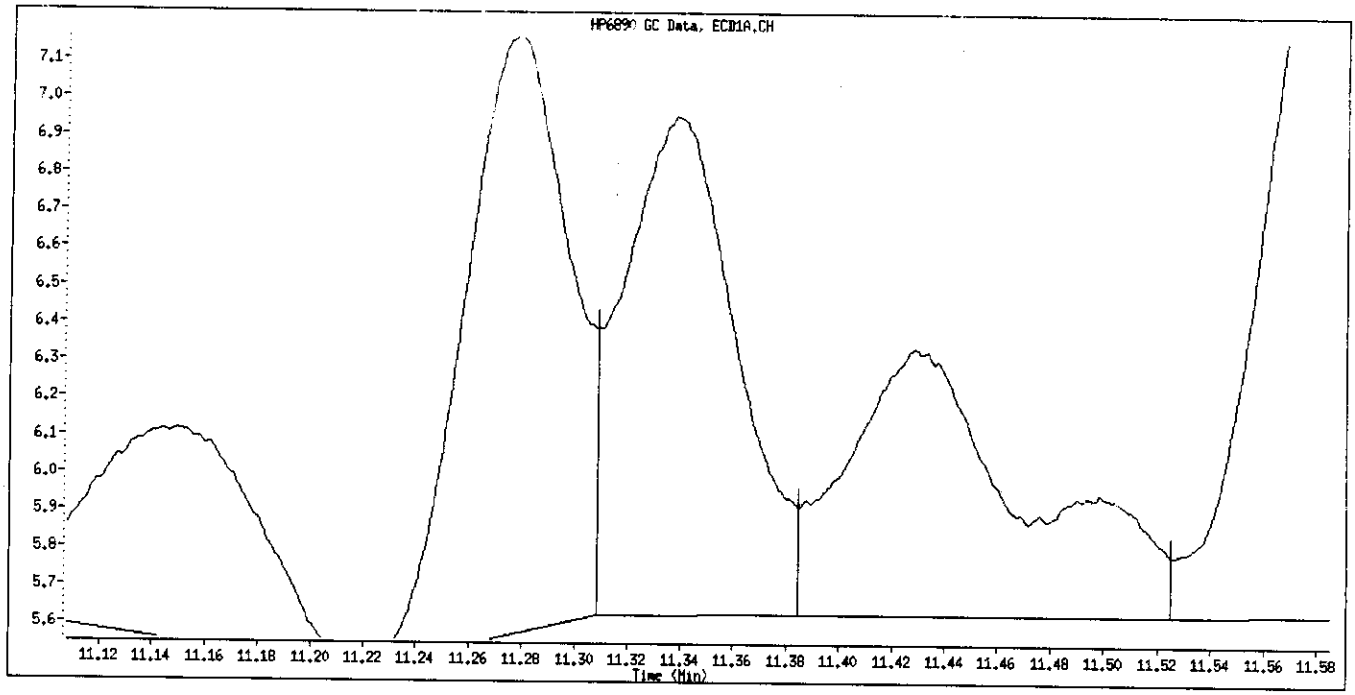


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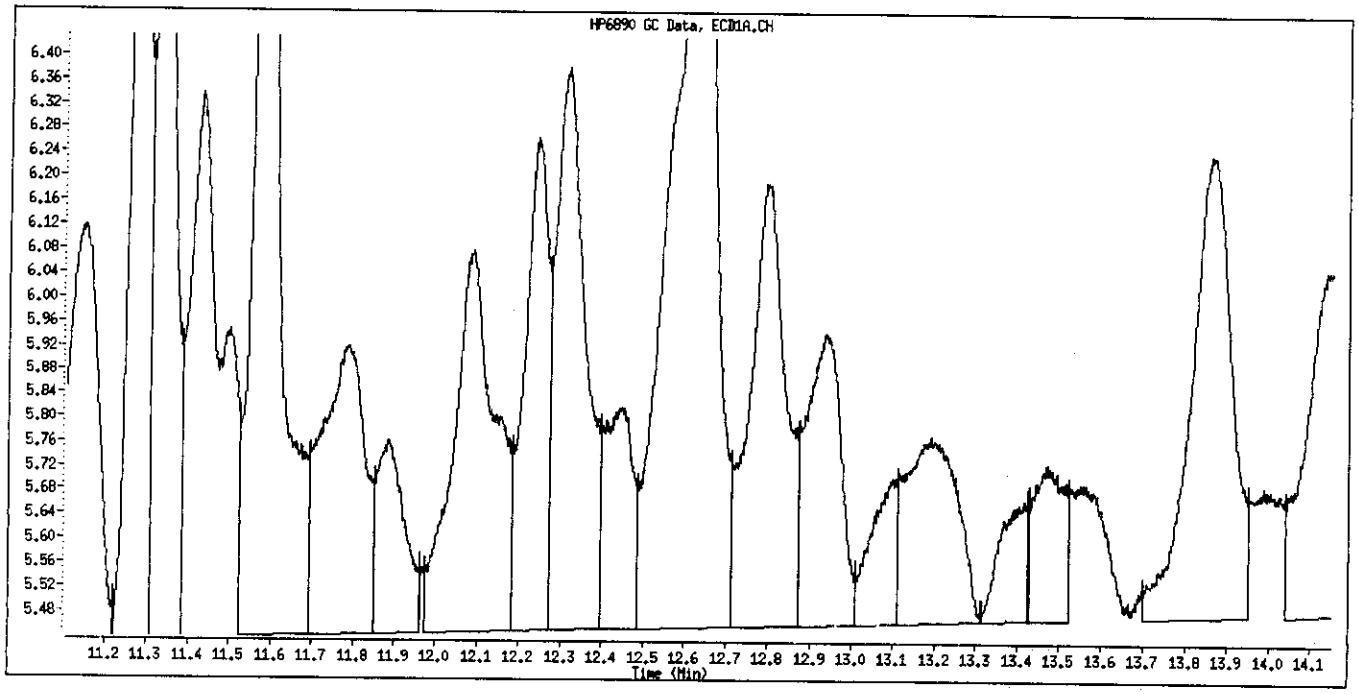
2031

C0J210496

Data File Name: Y1100336.D
Inj. Date and Time: 10-NOV-2010 12:40
Instrument ID: gc14.i
Client ID: SD10-32
Compound Name: Aroclor-1260
CAS #: 11096-82-5



Original Integration



Manual Integration

Manually Integrated By: guptaa
Manual Integration Reason: Poor Chromatography

Leo Brausch Consulting

Client Sample ID: SD10-33

GC Semivolatiles

Lot-Sample #...:	C0J210496-006	**Work Order #...:**	L8VLJ1AU	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	10/21/10	**MS Run #.....:**	0299034
Prep Date.....:	10/26/10	**Analysis Date..:**	11/10/10		
Prep Batch #...:	0299055	**Analysis Time..:**	14:06		
Dilution Factor:	0.49	**Initial Wgt/Vol:**	15.2 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	59	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	20	ug/kg	2.9
Aroclor 1221	ND	20	ug/kg	3.8
Aroclor 1232	ND	20	ug/kg	3.4
Aroclor 1242	ND	20	ug/kg	3.2
Aroclor 1248	ND	20	ug/kg	1.9
Aroclor 1254	ND	20	ug/kg	2.8
Aroclor 1260	**20**	**20**	**ug/kg**	**2.8**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	90	(35 - 140)
Decachlorobiphenyl	80	(35 - 140)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100339.D
Report Date: 13-Nov-2010 13:28

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1100339.D
Lab Smp Id: L8VLJ1AU Client Smp ID: SD10-33
Inj Date : 10-NOV-2010 14:06
Operator : Inst ID: gc14.i
Smp Info : L8VLJ1AU,10260.B
Misc Info : C0J210496-006
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 12-Nov-2010 16:43 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 50
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-106

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.200	initial volume of sample
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.296	5.299	-0.003	306511	0.01803	11.860		

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1 Aroclor-1221 CAS #: 11104-28-2

Peaks not detected for Quant. or Qual. signal(s).

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4 Aroclor-1016 CAS #: 12674-11-2

Peaks not detected for Quant. or Qual. signal(s).

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3 Aroclor-1232 CAS #: 11141-16-5

Peaks not detected for Quant. or Qual. signal(s).

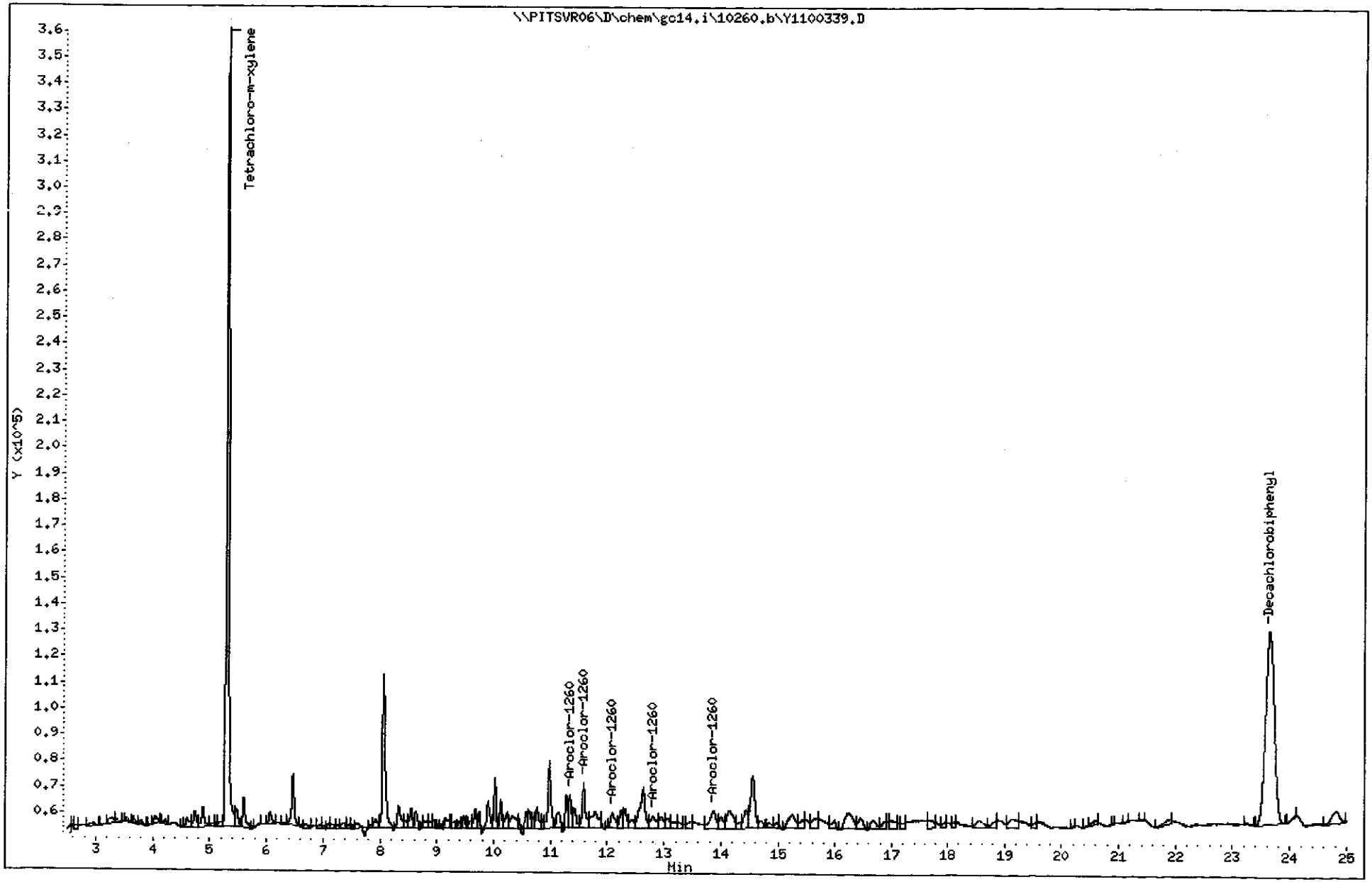
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
	5 Aroclor-1242				CAS #: 53469-21-9			
Peaks not detected for Quant. or Qual. signal(s).								
	6 Aroclor-1248				CAS #: 12672-29-6			
Operator disabled compound identification.								
	7 Aroclor-1254				CAS #: 11097-69-1			
Operator disabled compound identification.								
	8 Aroclor-1260				CAS #: 11096-82-5			
11.343	11.344	-0.001	12613	0.01413	9.2938	0.00- 0.00	0.00	(aM)
11.581	11.586	-0.005	17138	0.01594	10.485	115.86- 115.86	0.00	
12.086	12.093	-0.007	5695	0.01350	8.8825	136.91- 136.91	0.00	
12.806	12.803	0.003	4439	0.00699	4.5963	140.00- 140.00	0.00	
13.868	13.858	0.010	6507	0.01137	7.4820	128.33- 128.33	0.00	
		Average of Peak Concentrations =			8.1478			
	9 Aroclor-1262				CAS #: 37324-23-5			
Peaks not detected for Quant. or Qual. signal(s).								
	10 Aroclor-1268				CAS #: 11100-14-4			
Peaks not detected for Quant. or Qual. signal(s).								
$	11 Decachlorobiphenyl				CAS #: 2051-24-3			
23.644	23.669	-0.025	73930	0.01592	10.472			(M)

QC Flag Legend

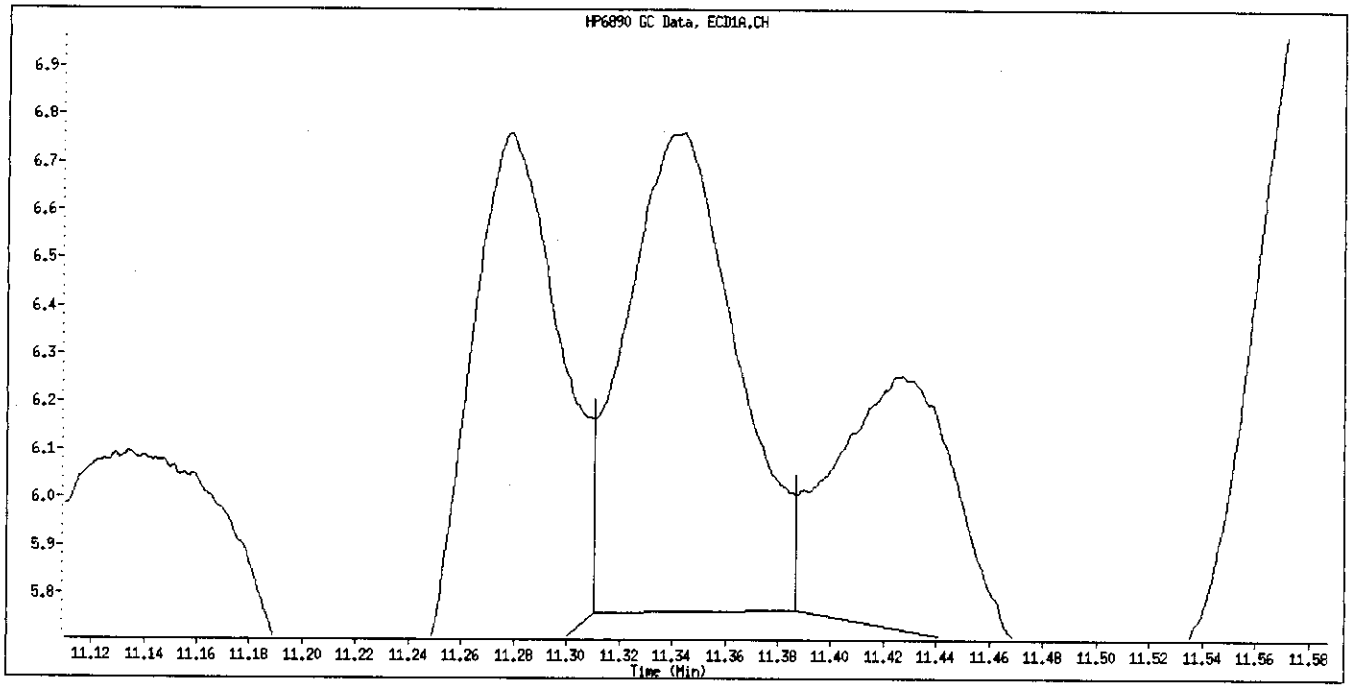
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100339.D
Date : 10-NOV-2010 14:06
Client ID: SD10-33
Sample Info: L8VLJ1AU,10260,B
Volume Injected (uL): 1.0
Column phase: MR-1

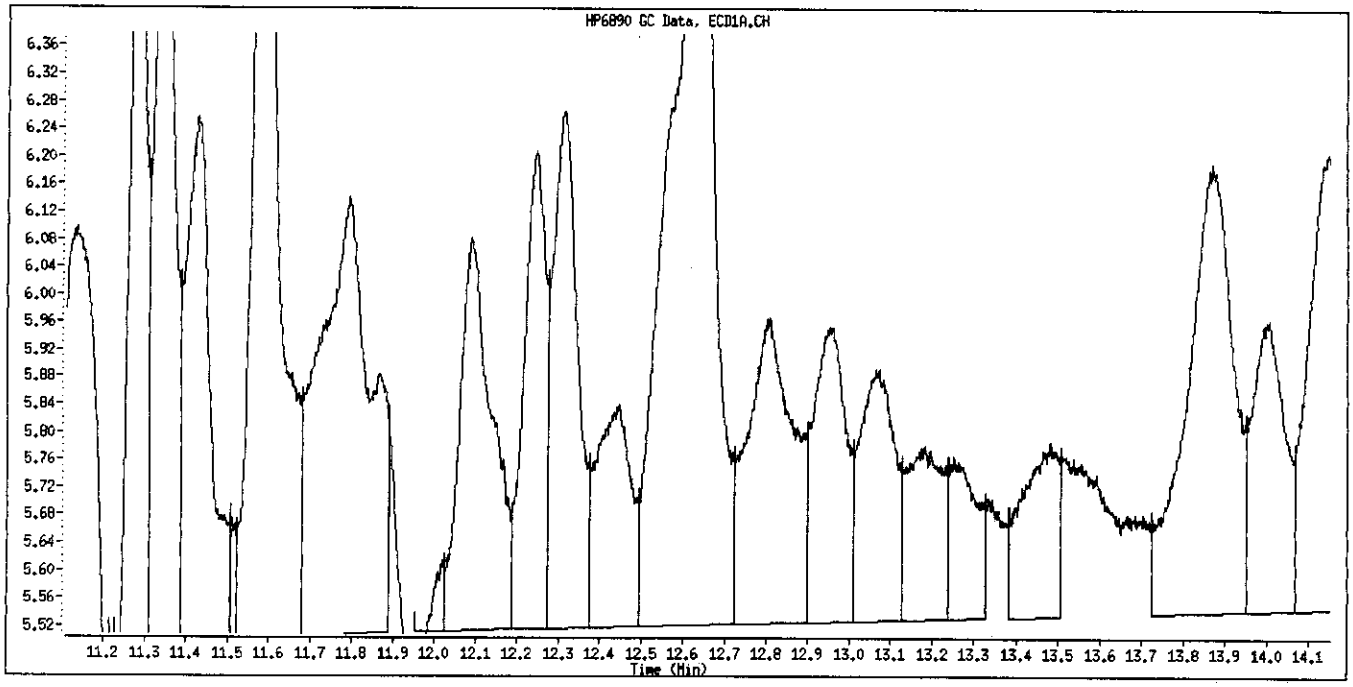
Instrument: gc14.i
Operator:
Column diameter: 0.53



Data File Name: Y1100339.D
Inj. Date and Time: 10-NOV-2010 14:06
Instrument ID: gc14.i
Client ID: SD10-33
Compound Name: Aroclor-1260
CAS #: 11096-82-5



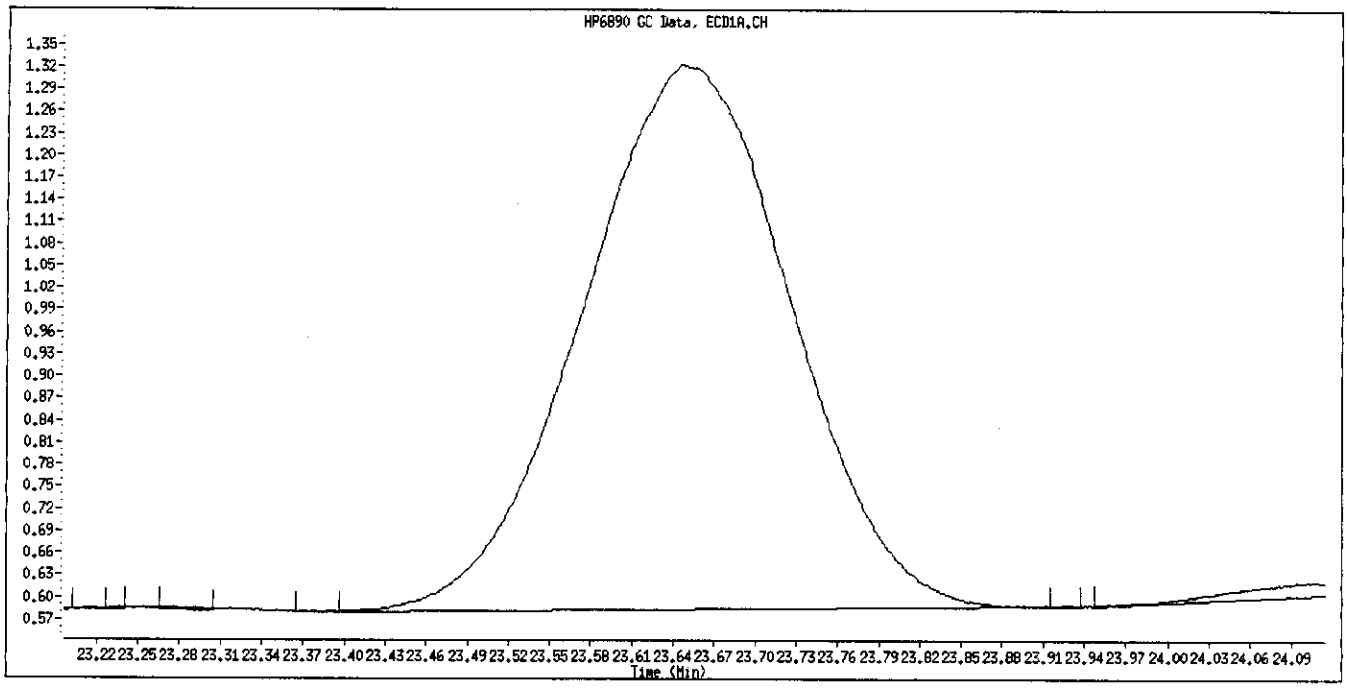
Original Integration



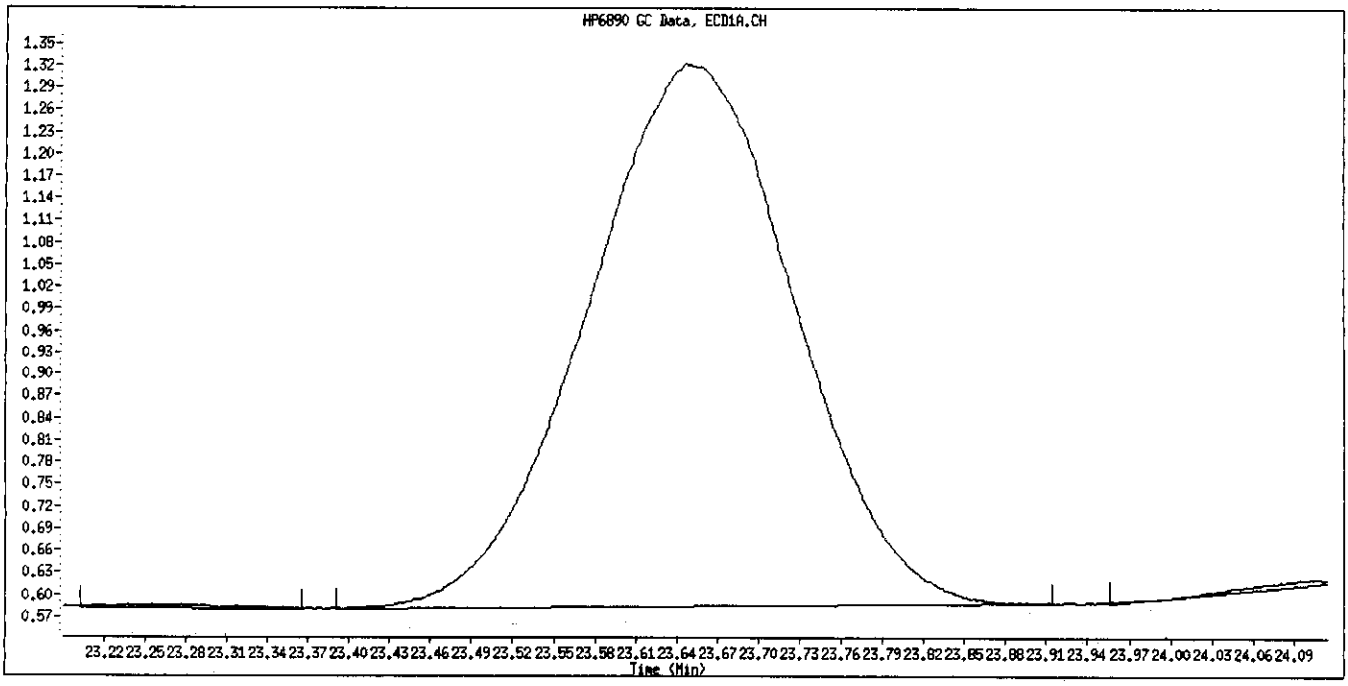
Manual Integration

Manually Integrated By: guptaa
Manual Integration Reason: Poor Chromatography

Data File Name: Y1100339.D
Inj. Date and Time: 10-NOV-2010 14:06
Instrument ID: gc14.i
Client ID: SD10-33
Compound Name: Decachlorobiphenyl
CAS #: 2051-24-3



Original Integration



Manual Integration

Manually Integrated By: guptaa
Manual Integration Reason: Analyte not Identified by the Data System

PCB
CALIBRATION DATA

Report Date : 27-Oct-2010 13:27

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

6E
HP6890 CeC-14
MR-1

Start Cal Date : 26-OCT-2010 16:47
End Cal Date : 27-OCT-2010 01:21
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Last Edit : 27-Oct-2010 13:24 gc14.i
Curve Type : Average

Calibration File Names:
Level 1: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001011.D
Level 2: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001012.D
Level 3: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001013.D
Level 4: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001014.D
Level 5: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001015.D
Level 6: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001016.D
Level 7: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001010.D

Compound	0.05000 Level 1 / 0.01000 Level 7	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	RRF	% RSD	
1 Aroclor-1221(1)	+++++ / +++++	+++++	171618	+++++	+++++	+++++	171618	0.000	
(2)	+++++ / +++++	+++++	140990	+++++	+++++	+++++	140990	0.000	
(3)	+++++ / +++++	+++++	464546	+++++	+++++	+++++	464546	0.000	<-
3 Aroclor-1232(1)	+++++ / +++++	+++++	167716	+++++	+++++	+++++	167716	0.000	
(2)	+++++ / +++++	+++++	230788	+++++	+++++	+++++	230788	0.000	<-
(3)	+++++ / +++++	+++++	192048	+++++	+++++	+++++	192048	0.000	<-
(4)	+++++ / +++++	+++++	151460	+++++	+++++	+++++	151460	0.000	<-
(5)	+++++ / +++++	+++++	139506	+++++	+++++	+++++	139506	0.000	<-

Report Date : 27-Oct-2010 13:27

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 26-OCT-2010 16:47
End Cal Date : 27-OCT-2010 01:21
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Last Edit : 27-Oct-2010 13:24 gc14.i
Curve Type : Average

Compound	0.05000 Level 1	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	0.01000 Level 7	___ RRF	% RSD
4 Aroclor-1016(1)	370400	377630	361376	344693	324760	303744	460300	363272	13.785
(2)	403480	404460	390106	370882	357151	339777	442800	386951	8.878
(3)	1765920	1879415	1832232	1751566	1735582	1708605	2049100	1817489	6.482
(4)	551720	563125	543206	523383	515046	494913	620200	544513	7.461
(5)	431360	453780	443256	427335	423989	409818	548700	448320	10.356
5 Aroclor-1242(1)	304250	329550	347860	357776	361765	+++++	+++++	340240	6.953
(2)	260950	281740	308846	324644	326072	+++++	+++++	300450	9.447
(3)	414100	446010	459166	481092	483069	+++++	+++++	456687	6.218
(4)	512400	518050	482216	506432	518925	+++++	+++++	507605	2.965
(5)	544000	538600	475614	504280	520736	+++++	+++++	516646	5.374
6 Aroclor-1248(1)	+++++	+++++	594672	+++++	+++++	+++++	+++++	594672	0.000

9.4 AC 10/27/11

Report Date : 27-Oct-2010 13:27

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 26-OCT-2010 16:47
End Cal Date : 27-OCT-2010 01:21
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Last Edit : 27-Oct-2010 13:24 gc14.i
Curve Type : Average

Compound	0.05000 Level 1	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	0.01000 Level 7	RRF	% RSD	
(2)	*****	*****	484596	*****	*****	*****	*****	484596	0.000	<-
(3)	*****	*****	459324	*****	*****	*****	*****	459324	0.000	<-
(4)	*****	*****	273368	*****	*****	*****	*****	273368	0.000	<-
(5)	*****	*****	432854	*****	*****	*****	*****	432854	0.000	<-
7 Aroclor-1254 (1)	*****	*****	279710	*****	*****	*****	*****	279710	0.000	
(2)	*****	*****	309774	*****	*****	*****	*****	309774	0.000	<-
(3)	*****	*****	643778	*****	*****	*****	*****	643778	0.000	<-
(4)	*****	*****	828936	*****	*****	*****	*****	828936	0.000	<-
(5)	*****	*****	181744	*****	*****	*****	*****	181744	0.000	<-
8 Aroclor-1260 (1)	889880	923385	892698	851777	826193	839492	1026600	892861	7.625	
(2)	1054640	1092175	1074946	1027922	1001693	1014615	1261700	1075384	8.213	

Report Date : 27-Oct-2010 13:27

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 26-OCT-2010 16:47
End Cal Date : 27-OCT-2010 01:21
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Last Edit : 27-Oct-2010 13:24 gc14.i
Curve Type : Average

Compound	0.05000 Level 1	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	0.01000 Level 7	RRF	% RSD	
(3)	404180	438800	427958	413005	402978	402039	463700	421809	5.488	
(4)	624100	653300	632824	612899	592908	583562	748100	635385	8.657	
(5)	560940	591305	569602	553656	538601	531947	659100	572164	7.532	
9 Aroclor-1262(1)	+++++	+++++	804842	+++++	+++++	+++++	+++++	804842	0.000	
(2)	+++++	+++++	662552	+++++	+++++	+++++	+++++	662552	0.000	<-
(3)	+++++	+++++	396084	+++++	+++++	+++++	+++++	396084	0.000	<-
(4)	+++++	+++++	441880	+++++	+++++	+++++	+++++	441880	0.000	<-
(5)	+++++	+++++	615634	+++++	+++++	+++++	+++++	615634	0.000	<-
10 Aroclor-1268(1)	+++++	+++++	1314350	+++++	+++++	+++++	+++++	1314350	0.000	<-
(2)	+++++	+++++	1091122	+++++	+++++	+++++	+++++	1091122	0.000	<-
(3)	+++++	+++++	867944	+++++	+++++	+++++	+++++	867944	0.000	<-

Report Date : 27-Oct-2010 13:27

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 26-OCT-2010 16:47
End Cal Date : 27-OCT-2010 01:21
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Last Edit : 27-Oct-2010 13:24 gc14.i
Curve Type : Average

Compound	0.05000 Level 1	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	0.01000 Level 7	RRF	% RSD	
(4)	+++++	+++++	2006090	+++++	+++++	+++++	+++++	2006090	0.000	<-
$ 2 Tetrachloro-m-xylene	15862400	17285900	17710040	17325860	16978430	16049035	17804000	17002238	4.516	
$ 11 Decachlorobiphenyl	4663200	4783600	4809320	4468840	4345050	4319400	5124000	4644773	6.234	

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001023.D
Report Date: 27-Oct-2010 13:24

7E
HP6890 GC-14
MR-1

TestAmerica Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc14.i
Lab File ID: Y1001023.D
Analysis Type:
Lab Sample ID: 2M1660
Method: \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m

Injection Date: 27-OCT-2010 05:06
Init. Cal. Date(s): 26-OCT-2010 27-OCT-2010
Init. Cal. Times: 16:47 01:21
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF0.500	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
4 Aroclor-1016 (1)	363272	366074	400.000	-0.77140	15.00000	Averaged	
(2)	386951	399112	400.000	-3.14283	15.00000	Averaged	
(3)	1817489	1873968	400.000	-3.10756	15.00000	Averaged	
(4)	544513	552064	400.000	-1.38670	15.00000	Averaged	
(5)	448320	454582	400.000	-1.39684	15.00000	Averaged	
$ 2 Tetrachloro-m-xylene	17002238	++++	400.000	++++	15.00000	Averaged	<- NA
$ 11 Decachlorobiphenyl	4644773	100440	400.000	97.83757	15.00000	Averaged	<- NA
8 Aroclor-1260 (1)	892861	891806	400.000	0.11812	15.00000	Averaged	
(2)	1075384	1068094	400.000	0.67792	15.00000	Averaged	
(3)	421809	438840	400.000	-4.03773	15.00000	Averaged	
(4)	635385	532490	400.000	16.19406	15.00000	Averaged	<-
(5)	572164	524454	400.000	8.33859	15.00000	Averaged	

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100267.D
Report Date: 09-Nov-2010 07:01

7E
HP6890 GC-14
MR-1

TestAmerica Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc14.i
Lab File ID: Y1100267.D
Analysis Type:
Lab Sample ID: M1660
Method: \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m

Injection Date: 09-NOV-2010 01:03
Init. Cal. Date(s): 26-OCT-2010 27-OCT-2010
Init. Cal. Times: 16:47 01:21
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF0.500	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
4 Aroclor-1016 (1)	363272	348486	400.000	4.07015	15.00000	Averaged
(2)	386951	390194	400.000	-0.83815	15.00000	Averaged
(3)	1817489	1873694	400.000	-3.09248	15.00000	Averaged
(4)	544513	529578	400.000	2.74286	15.00000	Averaged
(5)	448320	442862	400.000	1.21736	15.00000	Averaged
$ 2 Tetrachloro-m-xylene	17002238	17117760	400.000	-0.67945	15.00000	Averaged
$ 11 Decachlorobiphenyl	4644773	5315720	400.000	-14.44521	15.00000	Averaged
8 Aroclor-1260 (1)	892861	977446	400.000	-9.47352	15.00000	Averaged
(2)	1075384	1176856	400.000	-9.43586	15.00000	Averaged
(3)	421809	466258	400.000	-10.53784	15.00000	Averaged
(4)	635385	685914	400.000	-7.95257	15.00000	Averaged
(5)	572164	632942	400.000	-10.62240	15.00000	Averaged

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100321.D
Report Date: 10-Nov-2010 13:22

TestAmerica Pittsburgh

7E
HP6890 GC-14
MRY

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc14.i
Lab File ID: Y1100321.D
Analysis Type:
Lab Sample ID: M1660
Method: \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m

Injection Date: 10-NOV-2010 05:25
Init. Cal. Date(s): 26-OCT-2010 27-OCT-2010
Init. Cal. Times: 16:47 01:21
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF0.500	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
4 Aroclor-1016 (1)	363272	363672	400.000	-0.11019	15.00000	Averaged
(2)	386951	397910	400.000	-2.83220	15.00000	Averaged
(3)	1817489	1919814	400.000	-5.63005	15.00000	Averaged
(4)	544513	546160	400.000	-0.30243	15.00000	Averaged
(5)	448320	452358	400.000	-0.90077	15.00000	Averaged
$ 2 Tetrachloro-m-xylene	17002238	18770920	400.000	-10.40264	15.00000	Averaged
$ 11 Decachlorobiphenyl	4644773	5304280	400.000	-14.19891	15.00000	Averaged
8 Aroclor-1260 (1)	892861	967726	400.000	-8.38488	15.00000	Averaged
(2)	1075384	1172072	400.000	-8.99099	15.00000	Averaged
(3)	421809	461462	400.000	-9.40083	15.00000	Averaged
(4)	635385	694038	400.000	-9.23117	15.00000	Averaged
(5)	572164	622586	400.000	-8.81243	15.00000	Averaged

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100343.D
Report Date: 10-Nov-2010 15:16

7B
HP6890 GC-14
MR-1

TestAmerica Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc14.i
Lab File ID: Y1100343.D
Analysis Type:
Lab Sample ID: M1660
Method: \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m

Injection Date: 10-NOV-2010 16:01
Init. Cal. Date(s): 26-OCT-2010 27-OCT-2010
Init. Cal. Times: 16:47 01:21
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF0.500	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
4 Aroclor-1016 (1)	363272	358370	400.000	1.34932	15.00000	Averaged	
(2)	386951	390462	400.000	-0.90741	15.00000	Averaged	
(3)	1817489	1873886	400.000	-3.10305	15.00000	Averaged	
(4)	544513	530482	400.000	2.57684	15.00000	Averaged	
(5)	448320	460374	400.000	-2.68878	15.00000	Averaged	
$ 2 Tetrachloro-m-xylene	17002238	18391080	400.000	-8.16858	15.00000	Averaged	
$ 11 Decachlorobiphenyl	4644773	5497000	400.000	-18.34809	15.00000	Averaged	<-
8 Aroclor-1260 (1)	892861	989668	400.000	-10.84238	15.00000	Averaged	
(2)	1075384	1215458	400.000	-13.02546	15.00000	Averaged	
(3)	421809	477534	400.000	-13.21109	15.00000	Averaged	
(4)	635385	704660	400.000	-10.90291	15.00000	Averaged	
(5)	572164	642860	400.000	-12.35581	15.00000	Averaged	

8D

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: SDGA05064

GC Column: MR-1 ID: 0.53 (mm) Init. Calib. Date(s): 10/26/10 10/27/10

Instrument ID: GC14

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

					MEAN SURROGATE RT FROM INITIAL CALIBRATION			
	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT	#	RT	#
01		M1242	10/26/10	1647				
02		M1242	10/26/10	1719				
03		M1242	10/26/10	1751				
04		M1242	10/26/10	1823				
05		M1242	10/26/10	1856				
06		M2154	10/26/10	1928				
07		M1232	10/26/10	2000				
08		M1248	10/26/10	2032				
09		M1262	10/26/10	2104				
10		M1268	10/26/10	2137				
11		XL1660	10/26/10	2209				
12		L1660	10/26/10	2241				
13		ML1660	10/26/10	2313				
14		M1660	10/26/10	2345				
15		MH1660	10/27/10	0017				
16		H1660	10/27/10	0049				
17		XH1660	10/27/10	0121				
18		2M2154	10/27/10	0153				
19		2M1232	10/27/10	0225				
20		2M1242	10/27/10	0257				
21		2M1248	10/27/10	0330				
22		2M1262	10/27/10	0402				
23		2M1268	10/27/10	0434				
24		2M1660	10/27/10	0506				
25								
26								
27								
28								
29								
30								
31								
32								

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: C0J210496

GC Column: MR-1 ID: 0.53 (mm) Init. Calib. Date(s): 10/26/10 10/27/10

Instrument ID: GC14

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

					MEAN SURROGATE RT FROM INITIAL CALIBRATION			
	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT	#	RT	#
01		M1262	11/08/10	0005				
02		M1268	11/08/10	0033				
03		M2154	11/08/10	2210				
04		M1232	11/08/10	2238				
05		M1242	11/08/10	2307				
06		M1248	11/08/10	2336				
07		M1660	11/09/10	0103				
08		M1660	11/10/10	0525				
09	EB10-20	L8VKP1AC	11/10/10	1045				
10	SD10-19	L8VKW1AC	11/10/10	1113				
11	SD10-18	L8VK81AH	11/10/10	1143				
12	SD10-31	L8VLA1AD	11/10/10	1211				
13	SD10-32	L8VLH1AL	11/10/10	1240				
14	SD10-32 MS	L8VLH1A8	11/10/10	1309				
15	SD10-32 MSD	L8VLH1A9	11/10/10	1338				
16	SD10-33	L8VLJ1AU	11/10/10	1406				
17	PBLK9055	L83WC1AA	11/10/10	1504				
18	LCS9055	L83WC1AC	11/10/10	1532				
19		M1660	11/10/10	1601				
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001000.D
Report Date: 27-Oct-2010 13:23

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1001000.D
Lab Smp Id: M1242
Inj Date : 26-OCT-2010 16:47
Operator : Inst ID: gc14.i
Smp Info : M1242,10260.B
Misc Info : GC0447-10 0.02 UG/ML
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:23 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

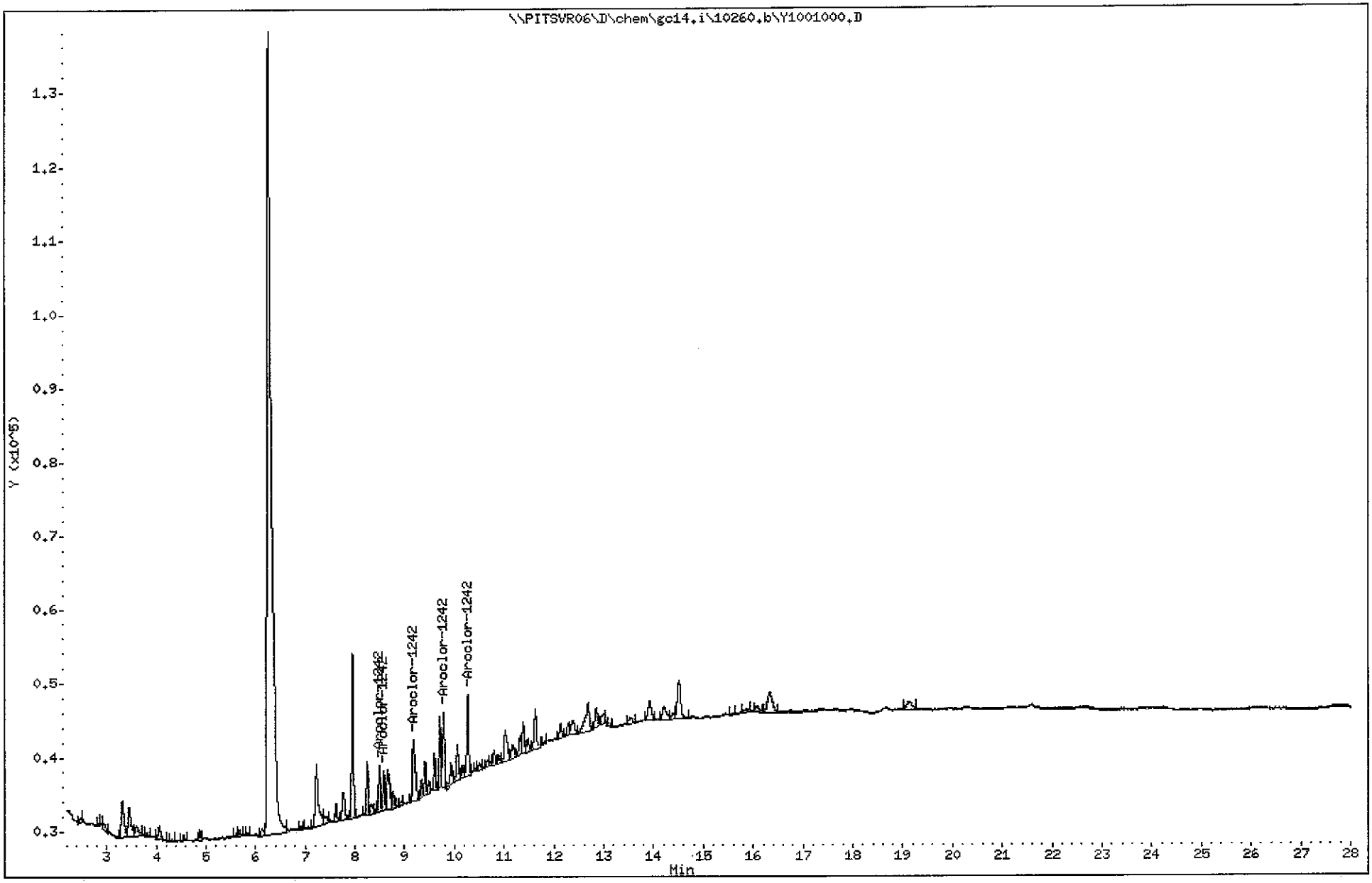
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
8.493	8.494	-0.001	6085	0.02000	0.017884	0.00- 0.00	0.00
8.583	8.582	0.001	5219	0.02000	0.017370	330.13- 330.13	0.00
9.176	9.175	0.001	8282	0.02000	0.018135	769.70- 769.70	0.00
9.783	9.784	-0.001	10248	0.02000	0.020189	532.48- 532.48	0.00
10.265	10.265	0.000	10880	0.02000	0.021059	334.30- 334.30	0.00
		Average of Peak Amounts =			0.01893		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001000.B
Date : 26-OCT-2010 16:47
Client ID:
Sample Info: M1242,10260.B

Column phase: MR-1

Instrument: gc14.i

Operator:
Column diameter: 0.53



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Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001001.D
Report Date: 27-Oct-2010 13:23

TestAmerica Pittsburgh

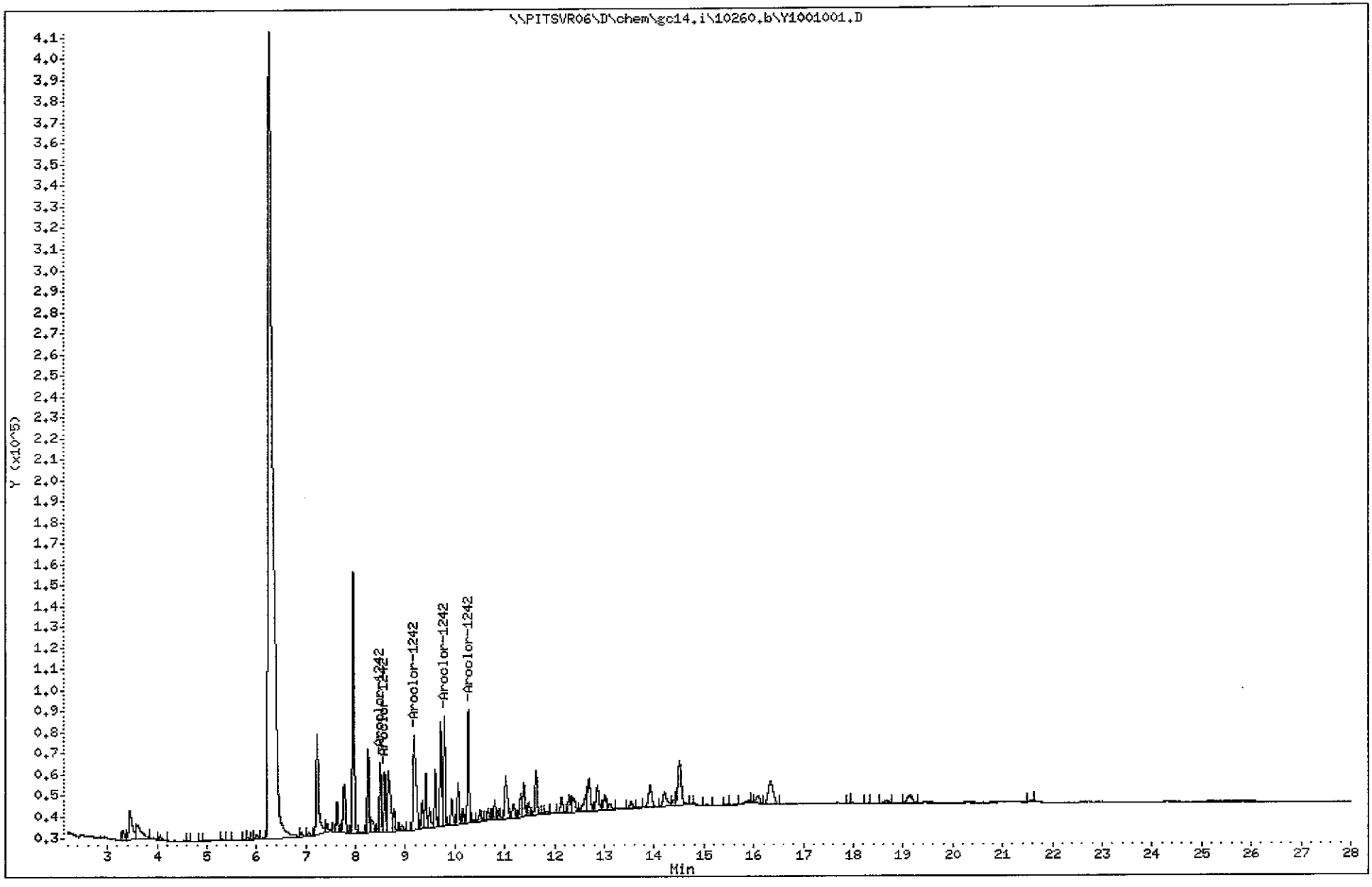
Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1001001.D
Lab Smp Id: M1242
Inj Date : 26-OCT-2010 17:19
Operator : Inst ID: gc14.i
Smp Info : M1242,10260.B
Misc Info : GC0447-10 0.10 UG/ML
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:23 gc14.i Quant Type: ESTD
Cal Date : 26-OCT-2010 22:41 Cal File: Y1001011.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
8.497	8.494	0.003	32955	0.10000	0.096858	0.00- 0.00	0.00
8.583	8.582	0.001	28174	0.10000	0.093772	330.13- 330.13	0.00
9.177	9.175	0.002	44601	0.10000	0.097662	769.70- 769.70	0.00
9.786	9.784	0.002	51805	0.10000	0.10206	532.48- 532.48	0.00
10.267	10.265	0.002	53860	0.10000	0.10425	334.30- 334.30	0.00
		Average of Peak Amounts =			0.09892		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001001.D
Date : 26-OCT-2010 17:19
Client ID:
Sample Info: M1242,10260,B

Instrument: gc14.i

Operator:
Column phase: MR-1
Column diameter: 0.53



Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001002.D
Report Date: 27-Oct-2010 13:23

TestAmerica Pittsburgh

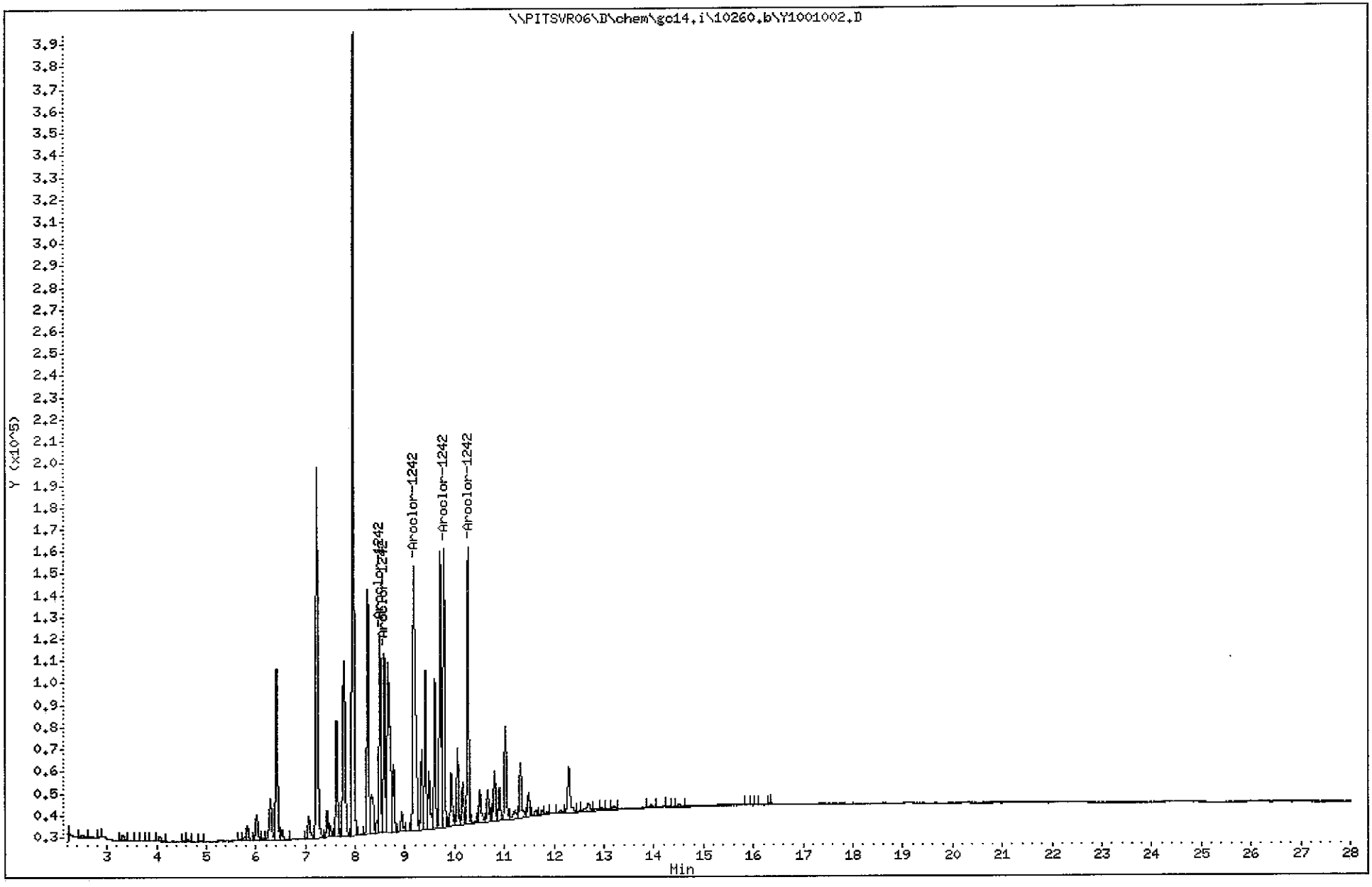
Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1001002.D
Lab Smp Id: M1242
Inj Date : 26-OCT-2010 17:51
Operator : Inst ID: gc14.i
Smp Info : M1242,10260.B
Misc Info : GC0447-10 0.25 UG/ML
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:23 gc14.i Quant Type: ESTD
Cal Date : 26-OCT-2010 23:13 Cal File: Y1001012.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
8.499	8.494	0.005	89444	0.25000	0.26288	0.00- 0.00	0.00
8.585	8.582	0.003	81161	0.25000	0.27013	330.13- 330.13	0.00
9.178	9.175	0.003	120273	0.25000	0.26336	769.70- 769.70	0.00
9.787	9.784	0.003	126608	0.25000	0.24942	532.48- 532.48	0.00
10.269	10.265	0.004	126070	0.25000	0.24402	334.30- 334.30	0.00
		Average of Peak Amounts =			0.25796		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001002.D
Date : 26-OCT-2010 17:51
Client ID:
Sample Info: M1242,10260.B

Instrument: gc14.i
Operator:
Column diameter: 0.53

Column phase: MR-1



Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001003.D
Report Date: 27-Oct-2010 13:23

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Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1001003.D
Lab Smp Id: M1242
Inj Date : 26-OCT-2010 18:23
Operator : Inst ID: gc14.i
Smp Info : M1242,10260.B
Misc Info : GC0447-10 0.50 UG/ML
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:23 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 00:17 Cal File: Y1001014.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

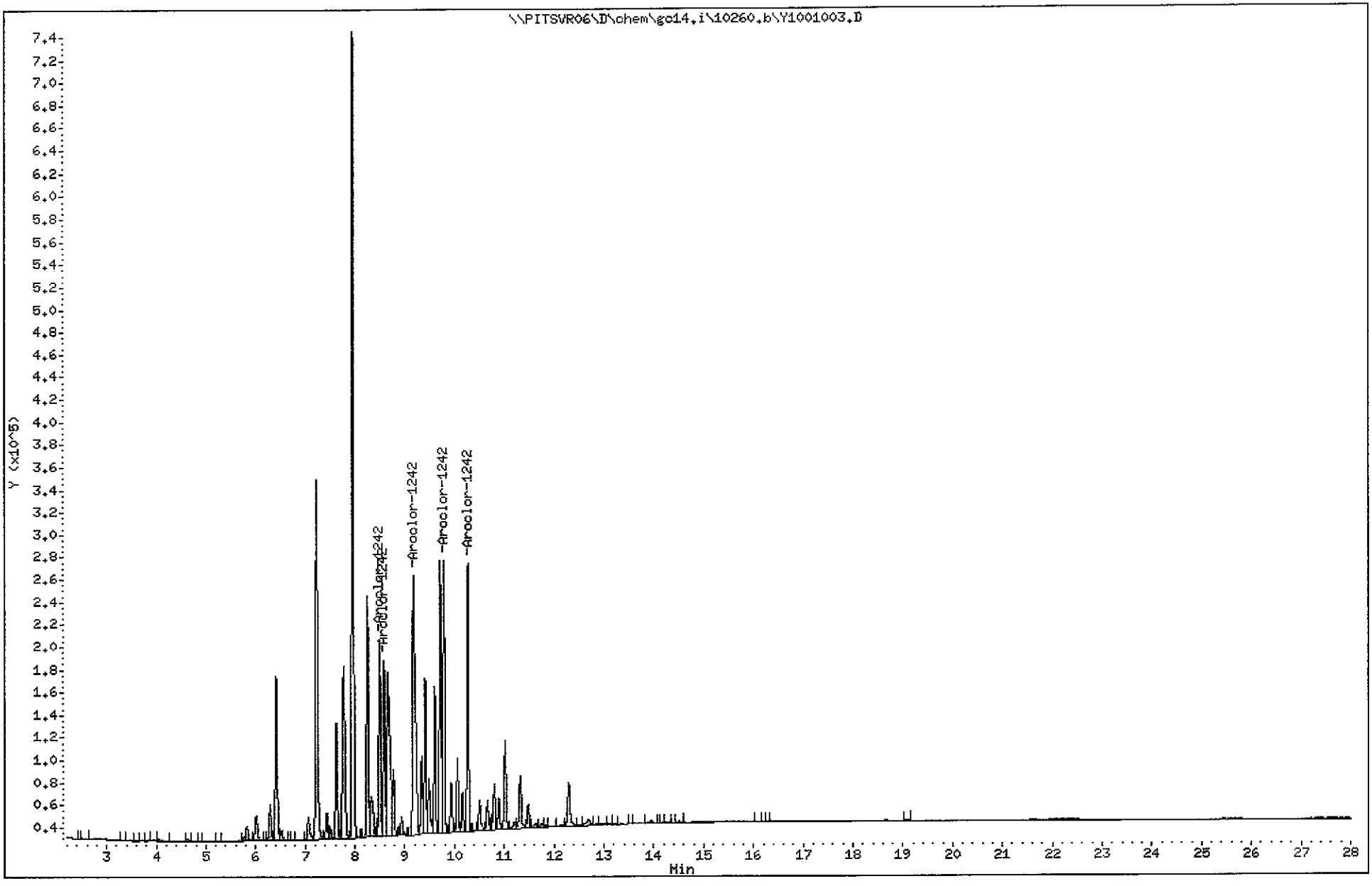
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
8.496	8.494	0.002	173930	0.50000	0.51120	0.00- 0.00	0.00
8.583	8.582	0.001	154423	0.50000	0.51397	330.13- 330.13	0.00
9.177	9.175	0.002	229583	0.50000	0.50271	769.70- 769.70	0.00
9.784	9.784	0.000	241108	0.50000	0.47499	532.48- 532.48	0.00
10.266	10.265	0.001	237807	0.50000	0.46029	334.30- 334.30	0.00
		Average of Peak Amounts =			0.49263		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001003.D
Date : 26-OCT-2010 18:23
Client ID:
Sample Info: M1242,10260.B

Instrument: gc14.i

Operator:
Column diameter: 0.53

Column phase: MR-1



Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001004.D
Report Date: 27-Oct-2010 13:23

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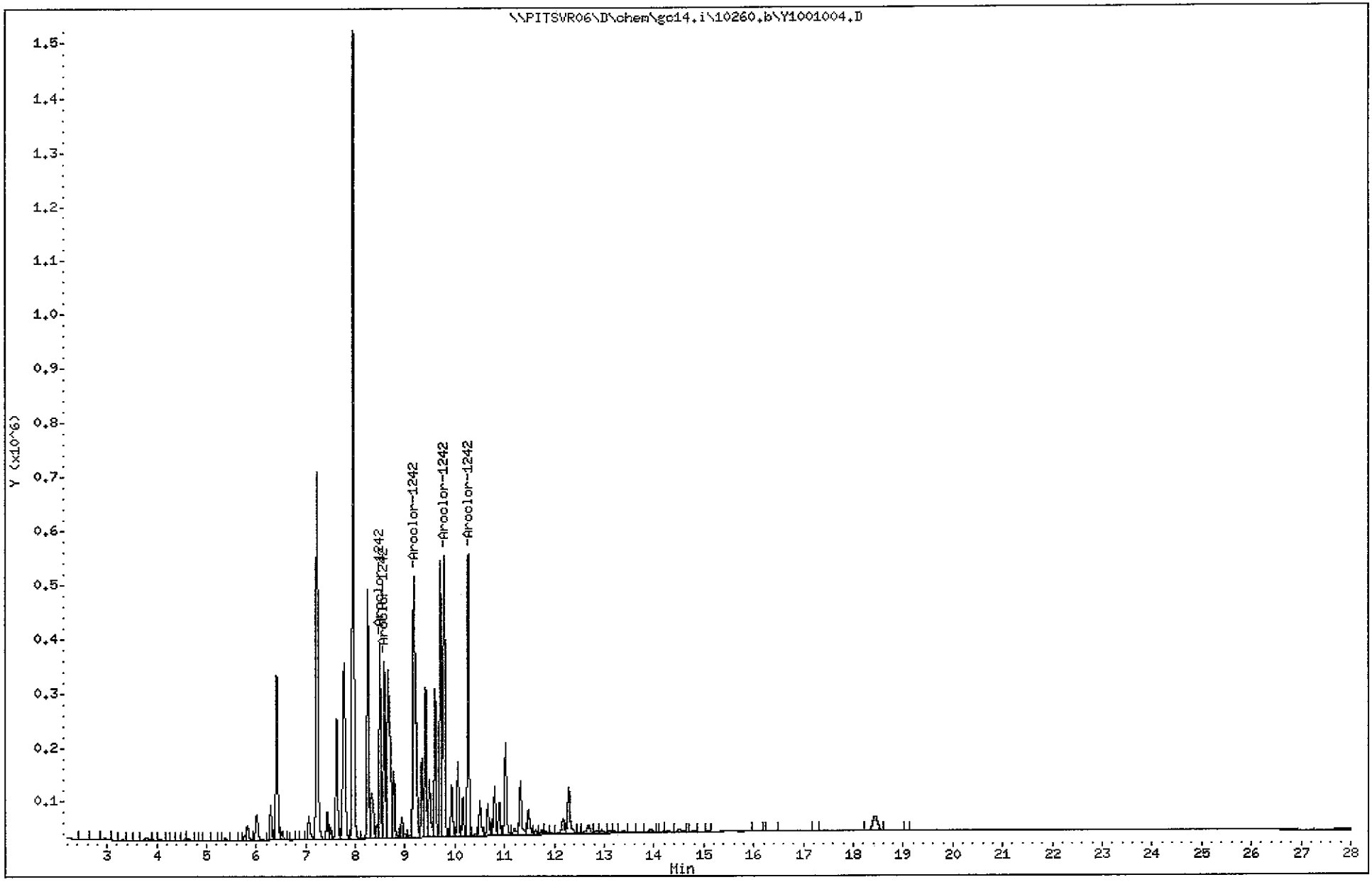
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Lab Smp Id: M1242
Inj Date : 26-OCT-2010 18:56
Operator : Inst ID: gc14.i
Smp Info : M1242,10260.B
Misc Info : GC0447-10 1.0 UG/ML
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:23 gc14.i Quant Type: ESTD
Cal Date : 26-OCT-2010 23:45 Cal File: Y1001013.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
8.494	8.494	0.000	361765	1.00000	1.0633	0.00- 0.00	0.00
8.582	8.582	0.000	326072	1.00000	1.0853	330.13- 330.13	0.00
9.175	9.175	0.000	483069	1.00000	1.0578	769.70- 769.70	0.00
9.784	9.784	0.000	518925	1.00000	1.0223	532.48- 532.48	0.00
10.265	10.265	0.000	520736	1.00000	1.0079	334.30- 334.30	0.00
		Average of Peak Amounts =			1.04732		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001004.D
Date : 26-OCT-2010 18:56
Client ID:
Sample Info: M1242,10260.B

Instrument: gc14.i

Operator:
Column phase: MR-1
Column diameter: 0.53



Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001005.D
Report Date: 27-Oct-2010 13:24

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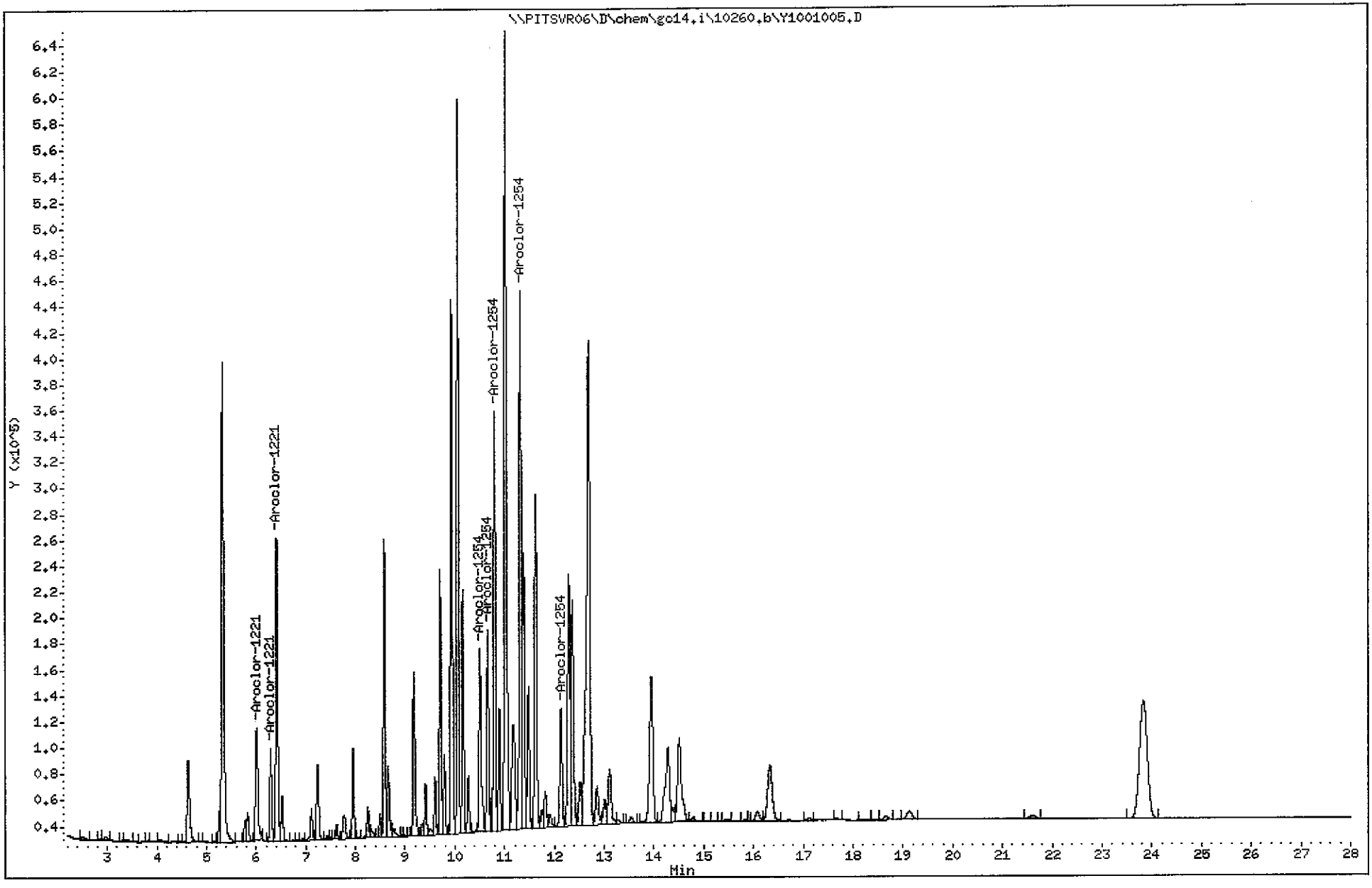
Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1001005.D
Lab Smp Id: M2154
Inj Date : 26-OCT-2010 19:28
Operator : Inst ID: gc14.i
Smp Info : M2154,10260.B
Misc Info : GC0445-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:24 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 00:49 Cal File: Y1001015.D
Als bottle: 7 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
1 Aroclor-1221					CAS #: 11104-28-2		
6.008	6.008	0.000	85809	0.50000	0.50000	0.00- 0.00	0.00
6.294	6.294	0.000	70495	0.50000	0.50000	136.57- 136.57	0.00
6.417	6.417	0.000	232273	0.50000	0.50000	86.04- 86.04	0.00
		Average of Peak Amounts =			0.50000		
7 Aroclor-1254					CAS #: 11097-69-1		
10.503	10.503	0.000	139855	0.50000	0.50000	0.00- 0.00	0.00
10.659	10.659	0.000	154887	0.50000	0.50000	112.23- 112.23	0.00
10.799	10.799	0.000	321889	0.50000	0.50000	97.40- 97.40	0.00
11.320	11.320	0.000	414468	0.50000	0.50000	71.09- 71.09	0.00
12.135	12.135	0.000	90872	0.50000	0.50000	85.01- 85.01	0.00
		Average of Peak Amounts =			0.50000		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001005.D
Date : 26-OCT-2010 19:28
Client ID:
Sample Info: M2154,10260,B

Instrument: gc14.i

Operator:
Column phase: MR-1
Column diameter: 0.53



Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001006.D
Report Date: 27-Oct-2010 13:24

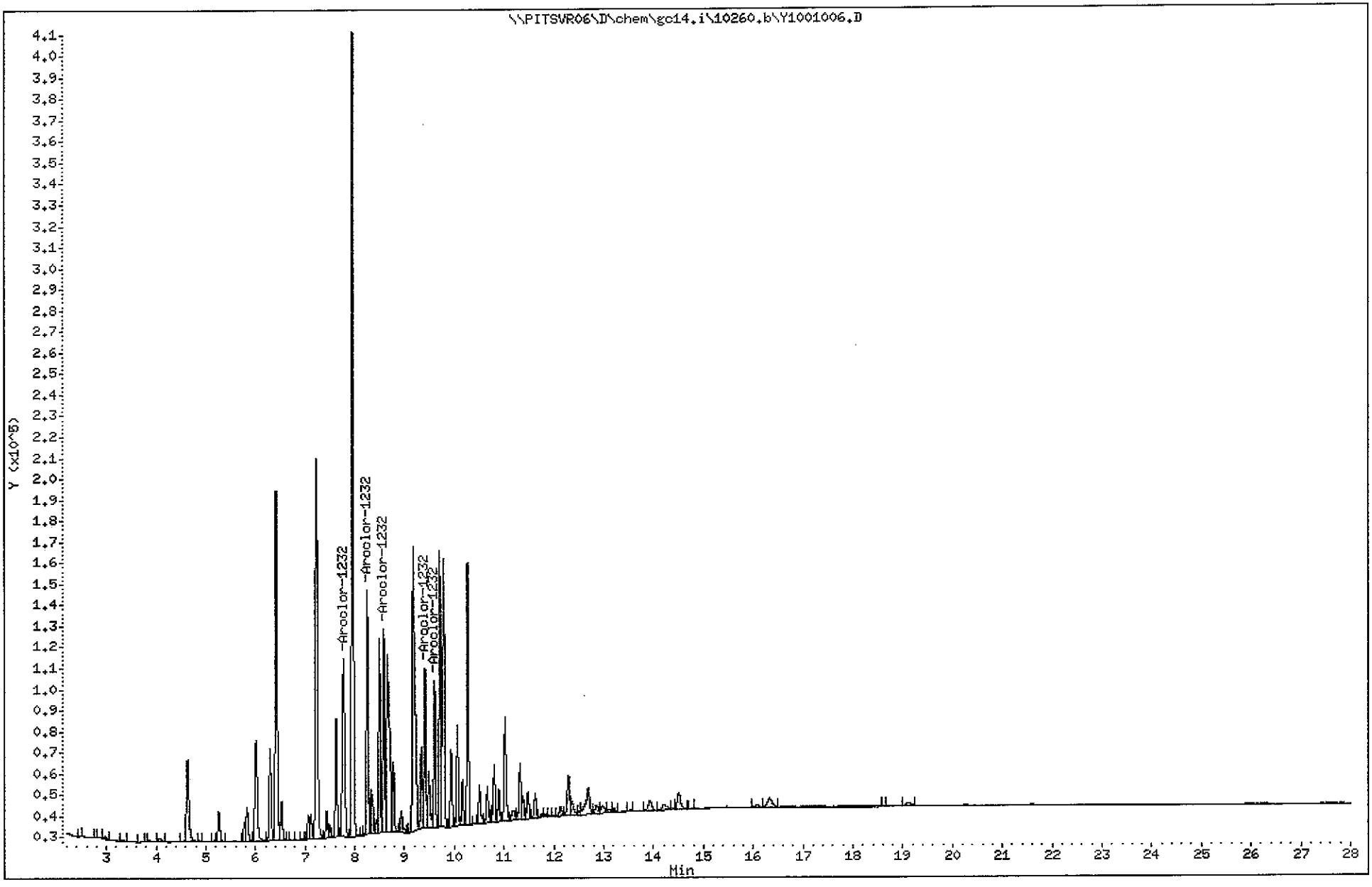
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Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1001006.D
Lab Smp Id: M1232
Inj Date : 26-OCT-2010 20:00
Operator : Inst ID: gc14.i
Smp Info : M1232,10260.B
Misc Info : GC0446-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:24 gc14.i Quant Type: ESTD
Cal Date : 26-OCT-2010 23:45 Cal File: Y1001013.D
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1232.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
7.772	7.772	0.000	83858	0.50000	0.50000	0.00- 0.00	0.00
8.250	8.250	0.000	115394	0.50000	0.50000	166.26- 166.26	0.00
8.583	8.583	0.000	96024	0.50000	0.50000	85.99- 85.99	0.00
9.411	9.411	0.000	75730	0.50000	0.50000	94.18- 94.18	0.00
9.599	9.599	0.000	69753	0.50000	0.50000	0.00- 0.00	0.00
		Average of Peak Amounts =			0.50000		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001006.D
Date : 26-OCT-2010 20:00
Client ID:
Sample Info: M1232,10260.B

Instrument: gc14.i
Operator:
Column diameter: 0.53
Column phase: MR-1



Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001007.D
Report Date: 27-Oct-2010 13:24

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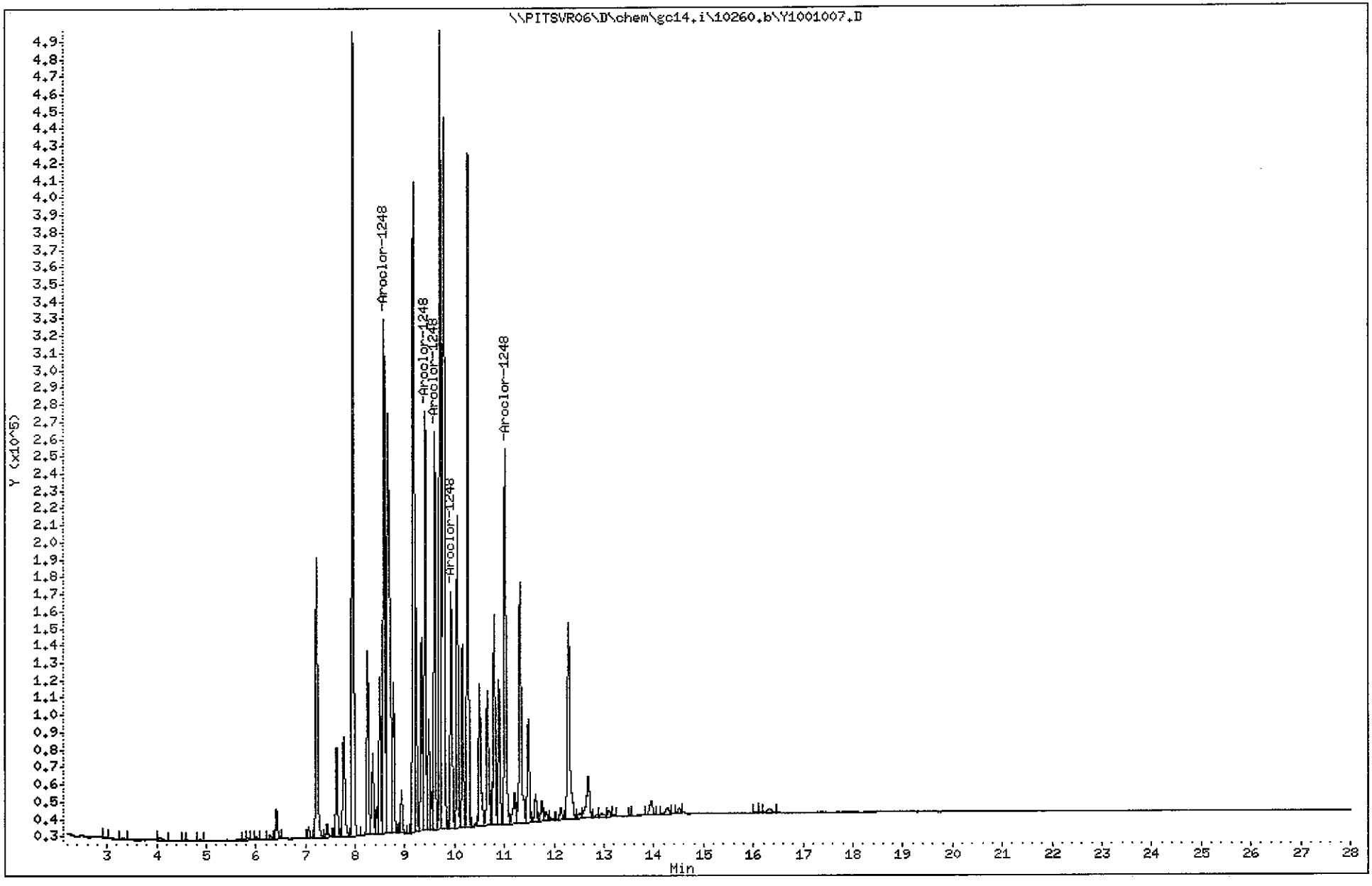
Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1001007.D
Lab Smp Id: M1248
Inj Date : 26-OCT-2010 20:32
Operator : Inst ID: gc14.i
Smp Info : M1248,10260.B
Misc Info : GC0451-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:24 gc14.i Quant Type: ESTD
Cal Date : 26-OCT-2010 23:45 Cal File: Y1001013.D
Als bottle: 9 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
6 Aroclor-1248					CAS #: 12672-29-6		
8.581	8.581	0.000	297336	0.50000	0.50000	0.00- 0.00	0.00
9.409	9.409	0.000	242298	0.50000	0.50000	134.57- 134.57	0.00
9.598	9.598	0.000	229662	0.50000	0.50000	83.67- 83.67	0.00
9.928	9.928	0.000	136684	0.50000	0.50000	63.86- 63.86	0.00
11.014	11.014	0.000	216427	0.50000	0.50000	148.08- 148.08	0.00
		Average of Peak Amounts =			0.50000		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001007.D
Date : 26-OCT-2010 20:32
Client ID:
Sample Info: M1248,10260.B

Instrument: gc14.i

Operator:
Column phase: HR-1
Column diameter: 0.53



Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001008.D
Report Date: 27-Oct-2010 13:24

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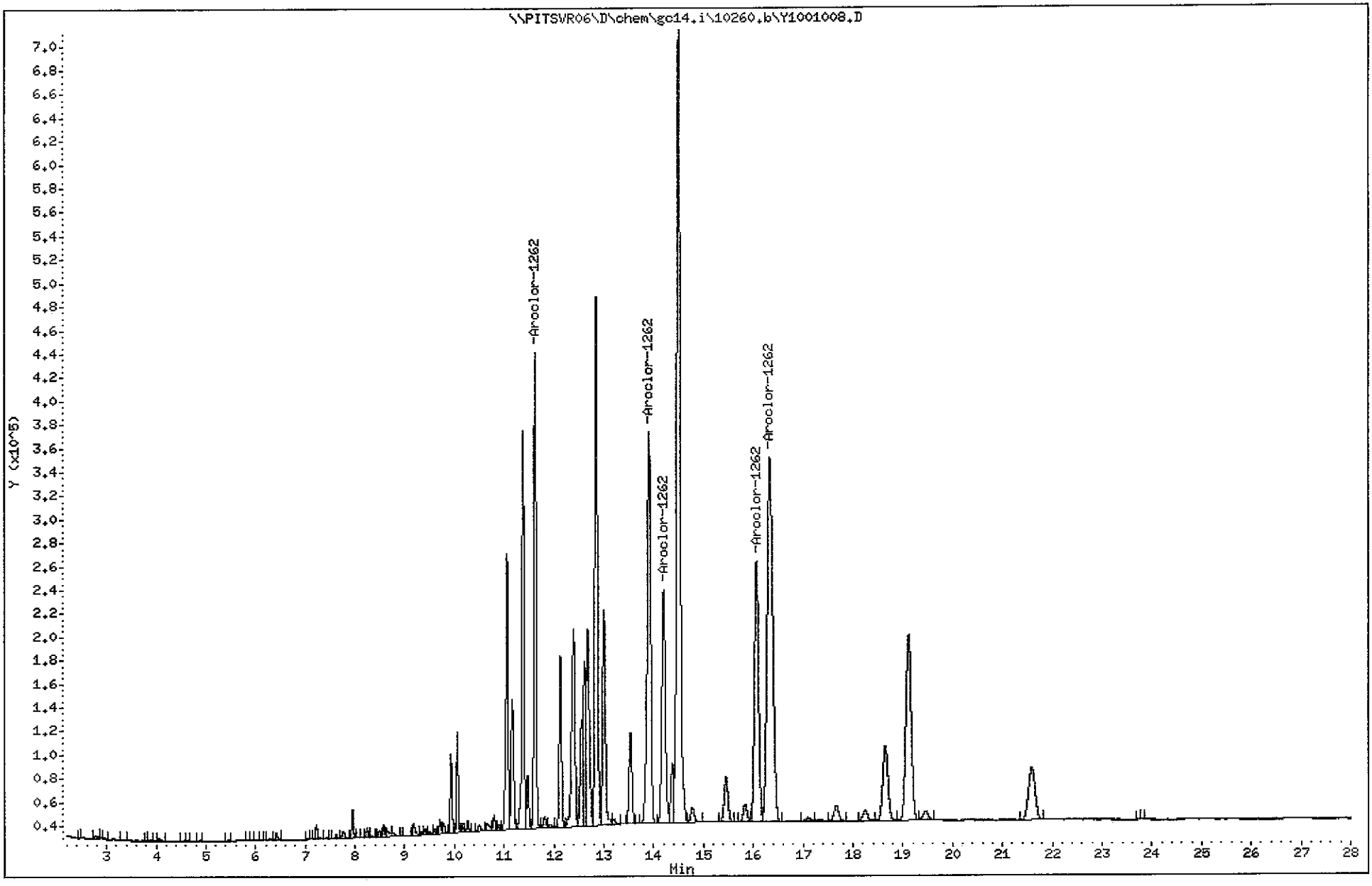
Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1001008.D
Lab Smp Id: M1262
Inj Date : 26-OCT-2010 21:04
Operator : Inst ID: gc14.i
Smp Info : M1262,10260.B
Misc Info : GC0449-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:24 gc14.i Quant Type: ESTD
Cal Date : 26-OCT-2010 23:45 Cal File: Y1001013.D
Als bottle: 10 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
9 Aroclor-1262					CAS #: 37324-23-5			
11.623	11.623	0.000	402421	0.50000	0.50000	0.00-	0.00	0.00
13.908	13.908	0.000	331276	0.50000	0.50000	0.00-	0.00	0.00
14.199	14.199	0.000	198042	0.50000	0.50000	0.00-	0.00	0.00
16.065	16.065	0.000	220940	0.50000	0.50000	0.00-	0.00	0.00
16.332	16.332	0.000	307817	0.50000	0.50000	0.00-	0.00	0.00
		Average of Peak Amounts =			0.50000			

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001008.D
Date : 26-OCT-2010 21:04
Client ID:
Sample Info: M1262,10260,B

Instrument: gc14.i

Operator:
Column phase: MR-1
Column diameter: 0.53



Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001009.D
Report Date: 27-Oct-2010 13:24

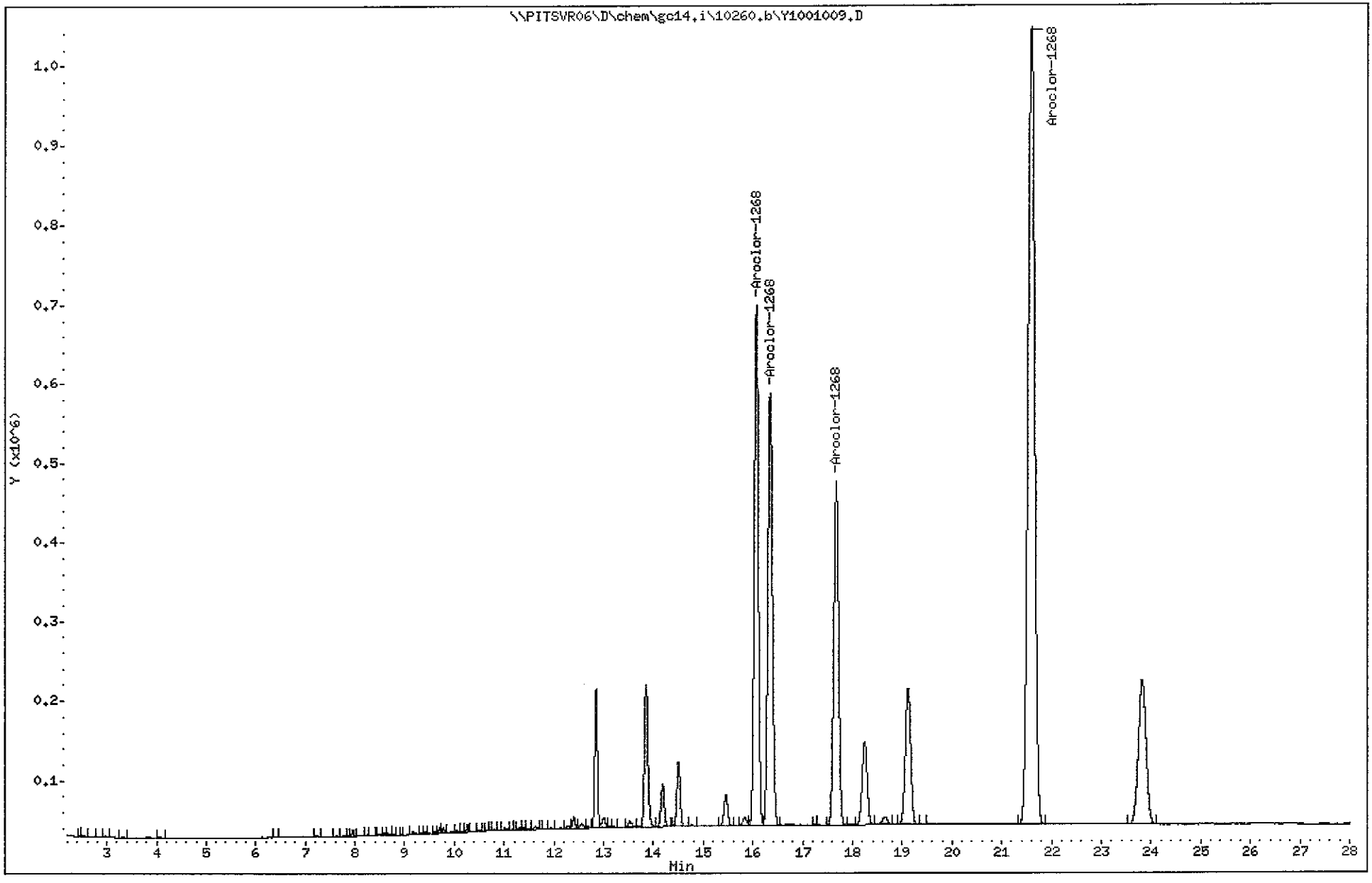
TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1001009.D
Lab Smp Id: M1268
Inj Date : 26-OCT-2010 21:37
Operator : Inst ID: gc14.i
Smp Info : M1268,10260.B
Misc Info : GC0450-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:24 gc14.i Quant Type: ESTD
Cal Date : 26-OCT-2010 23:45 Cal File: Y1001013.D
Als bottle: 11 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1268.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
10 Aroclor-1268					CAS #: 11100-14-4		
16.069	16.069	0.000	657175	0.50000	0.50000	0.00- 0.00	0.00
16.342	16.342	0.000	545561	0.50000	0.50000	0.00- 0.00	0.00
17.668	17.668	0.000	433972	0.50000	0.50000	0.00- 0.00	0.00
21.592	21.592	0.000	1003045	0.50000	0.50000	0.00- 0.00	0.00
		Average of Peak Amounts =			0.50000		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001009.D
Date : 26-OCT-2010 21:37
Client ID:
Sample Info: M1268,10260.B

Instrument: gc14.i
Operator:
Column phase: MR-1
Column diameter: 0.53



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2070
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Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001010.D
Report Date: 27-Oct-2010 13:24

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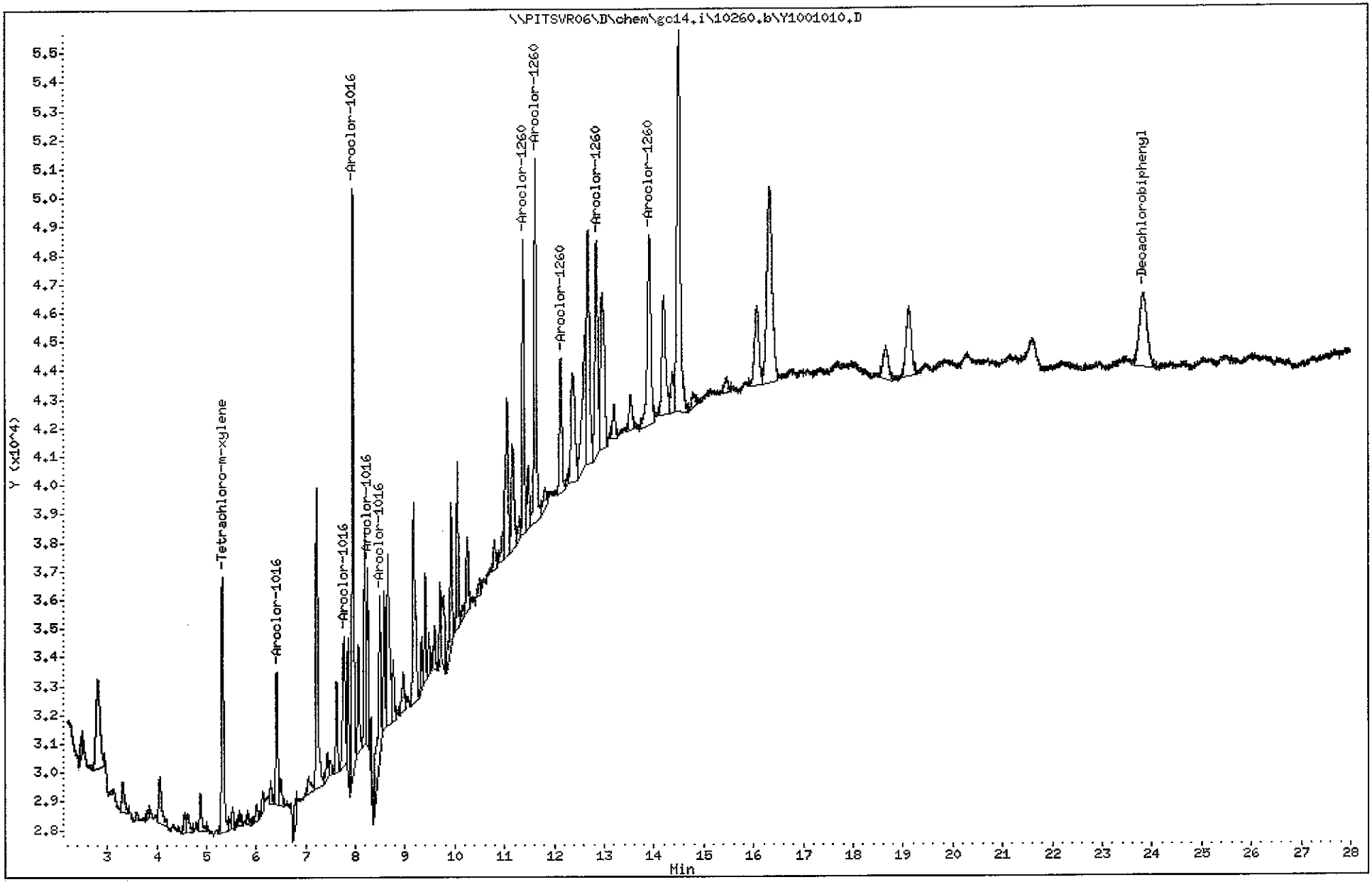
Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1001010.D
Lab Smp Id: XL1660
Inj Date : 26-OCT-2010 22:09
Operator : Inst ID: gc14.i
Smp Info : XL1660,10260.B
Misc Info : GC0782-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:24 gc14.i Quant Type: ESTD
Cal Date : 26-OCT-2010 23:45 Cal File: Y1001013.D
Als bottle: 12 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
4 Aroclor-1016					CAS #: 12674-11-2			
6.417	6.417	0.000	4603	0.01000	0.012671	0.00-	0.00	0.00
7.772	7.774	-0.002	4428	0.01000	0.011443	100.00-	100.00	0.00
7.953	7.958	-0.005	20491	0.01000	0.011274	223.51-	223.51	0.00
8.248	8.253	-0.005	6202	0.01000	0.011390	223.51-	223.51	0.00
8.495	8.497	-0.002	5487	0.01000	0.012239	317.56-	317.56	0.00
Average of Peak Amounts =					0.01180			
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.323	5.328	-0.005	8902	0.00050	0.00052358			
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3			
23.828	23.831	-0.003	2562	0.00050	0.00055159			
8 Aroclor-1260					CAS #: 11096-82-5			
11.379	11.383	-0.004	10266	0.01000	0.011498	0.00-	0.00	0.00
11.622	11.627	-0.005	12617	0.01000	0.011732	115.86-	115.86	0.00
12.135	12.138	-0.003	4637	0.01000	0.010993	136.91-	136.91	0.00
12.853	12.856	-0.003	7481	0.01000	0.011774	140.00-	140.00	0.00
13.916	13.917	-0.001	6591	0.01000	0.011519	128.33-	128.33	0.00
Average of Peak Amounts =					0.01150			

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001010.D
Date : 26-OCT-2010 22:09
Client ID:
Sample Info: XL1660,10260,B

Instrument: gc14.i

Operator:
Column phase: MR-1
Column diameter: 0.53



(2001 - 2148)

2072

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Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001011.D
Report Date: 27-Oct-2010 13:24

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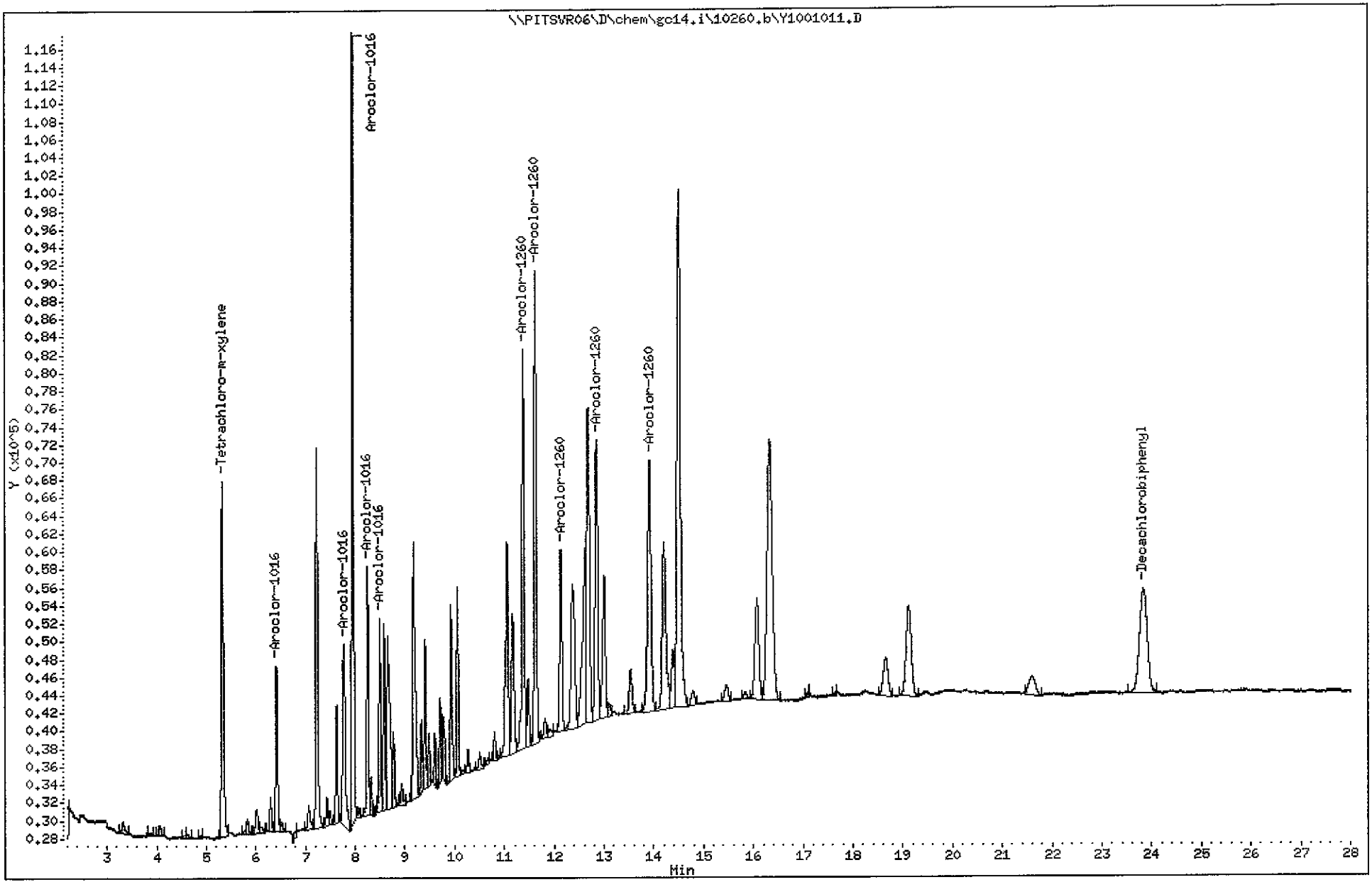
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Lab Smp Id: L1660
Inj Date : 26-OCT-2010 22:41
Operator : Inst ID: gc14.i
Smp Info : L1660,10260.B
Misc Info : GC0783-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:24 gc14.i Quant Type: ESTD
Cal Date : 26-OCT-2010 22:09 Cal File: Y1001010.D
Als bottle: 13 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
4 Aroclor-1016					CAS #: 12674-11-2			
6.416	6.417	-0.001	18520	0.05000	0.050981	0.00-	0.00	0.00
7.771	7.774	-0.003	20174	0.05000	0.052136	100.00-	100.00	0.00
7.954	7.958	-0.004	88296	0.05000	0.048581	223.51-	223.51	0.00
8.250	8.253	-0.003	27586	0.05000	0.050662	223.51-	223.51	0.00
8.494	8.497	-0.003	21568	0.05000	0.048108	317.56-	317.56	0.00
Average of Peak Amounts =					0.05009			
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.324	5.328	-0.004	39656	0.00250	0.0023324			
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3			
23.826	23.831	-0.005	11658	0.00250	0.0025099			
8 Aroclor-1260					CAS #: 11096-82-5			
11.381	11.383	-0.002	44494	0.05000	0.049833	0.00-	0.00	0.00
11.624	11.627	-0.003	52732	0.05000	0.049035	115.86-	115.86	0.00
12.136	12.138	-0.002	20209	0.05000	0.047910	136.91-	136.91	0.00
12.854	12.856	-0.002	31205	0.05000	0.049112	140.00-	140.00	0.00
13.919	13.917	0.002	28047	0.05000	0.049019	128.33-	128.33	0.00
Average of Peak Amounts =					0.04898			

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001011.D
Date : 26-OCT-2010 22:41
Client ID:
Sample Info: L1660,10260,B

Instrument: gc14.i
Operator:
Column diameter: 0.53

Column phase: MR-1



Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001012.D
Report Date: 27-Oct-2010 13:24

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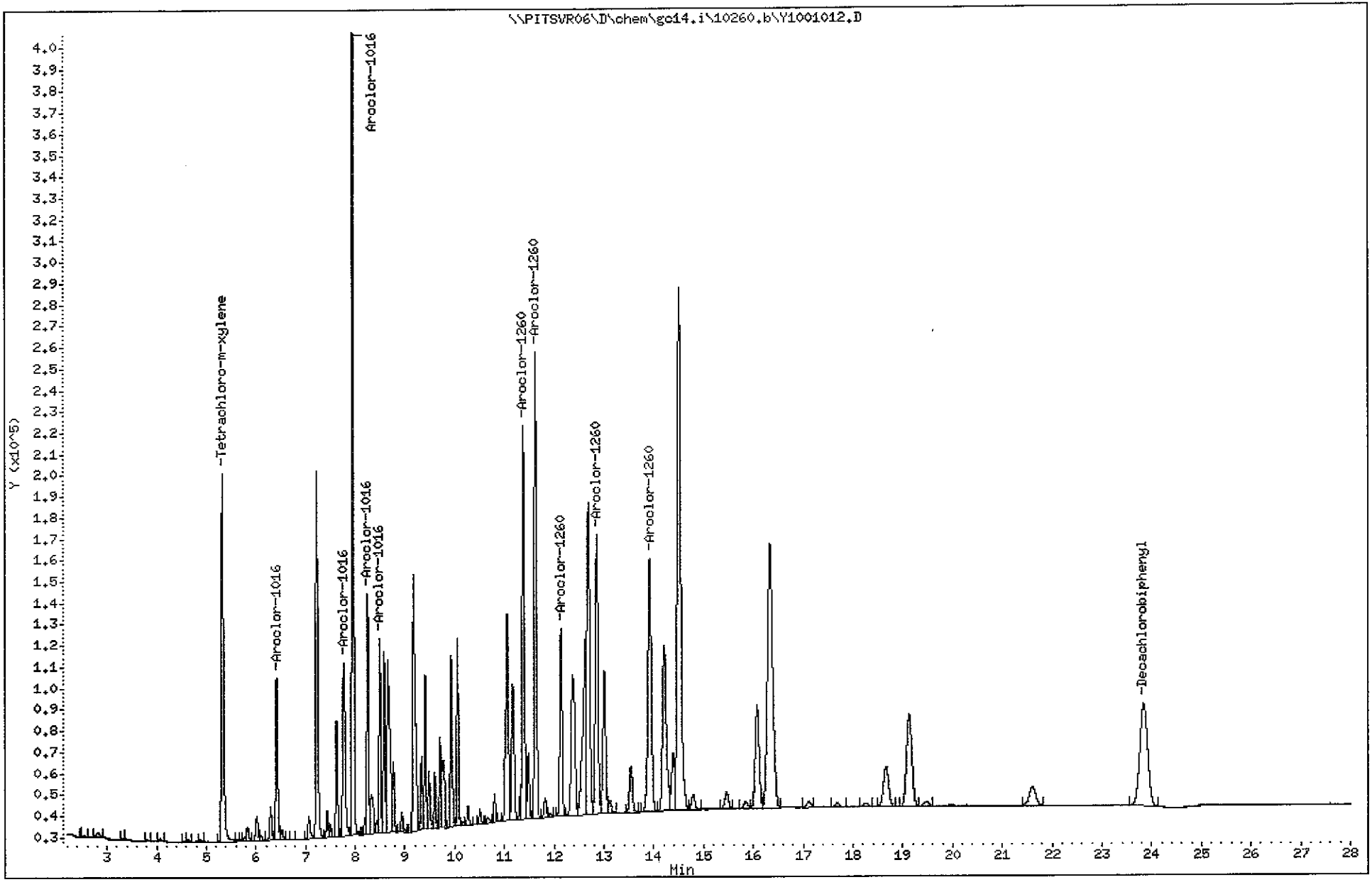
Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1001012.D
Lab Smp Id: ML1660
Inj Date : 26-OCT-2010 23:13
Operator : Inst ID: gc14.i
Smp Info : ML1660,10260.B
Misc Info : GC0784-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:24 gc14.i Quant Type: ESTD
Cal Date : 26-OCT-2010 22:41 Cal File: Y1001011.D
Als bottle: 14 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
6.418	6.417	0.001	75526	0.20000	0.20790	0.00- 0.00	0.00
7.773	7.774	-0.001	80892	0.20000	0.20905	100.00- 100.00	0.00
7.955	7.958	-0.003	375883	0.20000	0.20681	223.51- 223.51	0.00
8.252	8.253	-0.001	112625	0.20000	0.20684	223.51- 223.51	0.00
8.497	8.497	0.000	90756	0.20000	0.20244	317.56- 317.56	0.00
Average of Peak Amounts =					0.20661		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.327	5.328	-0.001	172859	0.01000	0.010167		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
23.836	23.831	0.005	47836	0.01000	0.010299		
8 Aroclor-1260					CAS #: 11096-82-5		
11.383	11.383	0.000	184677	0.20000	0.20684	0.00- 0.00	0.00
11.627	11.627	0.000	218435	0.20000	0.20312	115.86- 115.86	0.00
12.136	12.138	-0.002	87760	0.20000	0.20806	136.91- 136.91	0.00
12.857	12.856	0.001	130660	0.20000	0.20564	140.00- 140.00	0.00
13.921	13.917	0.004	118261	0.20000	0.20669	128.33- 128.33	0.00
Average of Peak Amounts =					0.20607		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001012.D
Date : 26-OCT-2010 23:13
Client ID:
Sample Info: ML1660,10260,B

Instrument: gc14.i
Operator:
Column diameter: 0.53

Column phase: MR-1



Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001013.D
Report Date: 27-Oct-2010 13:24

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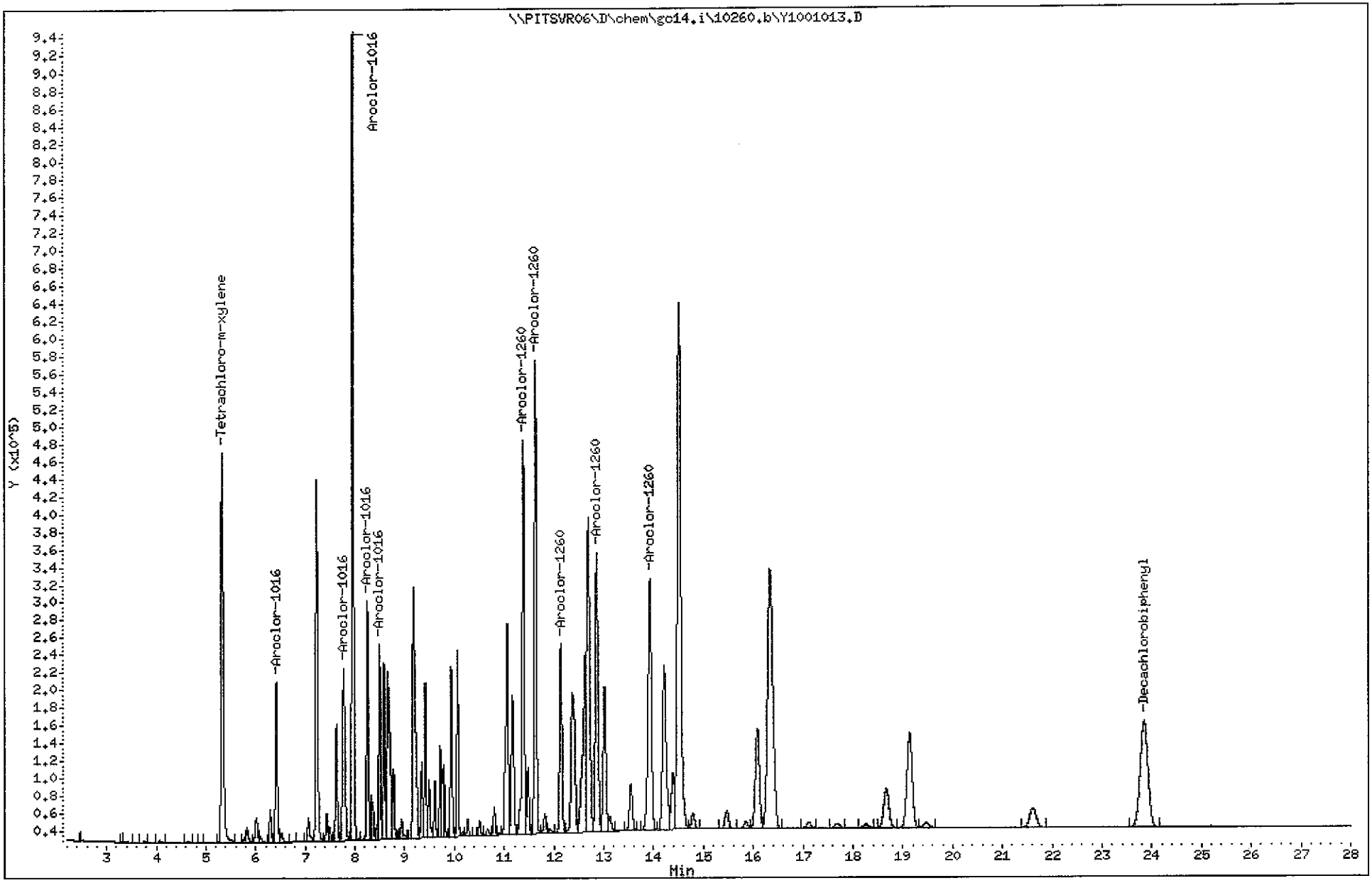
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Lab Smp Id: M1660
Inj Date : 26-OCT-2010 23:45
Operator : Inst ID: gc14.i
Smp Info : M1660,10260.B
Misc Info : GC0785-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:24 gc14.i Quant Type: ESTD
Cal Date : 26-OCT-2010 23:13 Cal File: Y1001012.D
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
6.419	6.417	0.002	180688	0.50000	0.49739	0.00- 0.00	0.00
7.775	7.774	0.001	195053	0.50000	0.50408	100.00- 100.00	0.00
7.957	7.958	-0.001	916116	0.50000	0.50406	223.51- 223.51	0.00
8.254	8.253	0.001	271603	0.50000	0.49880	223.51- 223.51	0.00
8.497	8.497	0.000	221628	0.50000	0.49435	317.56- 317.56	0.00
Average of Peak Amounts =					0.49974		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.328	5.328	0.000	442751	0.02500	0.026041		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
23.850	23.831	0.019	120233	0.02500	0.025886		
8 Aroclor-1260					CAS #: 11096-82-5		
11.384	11.383	0.001	446349	0.50000	0.49991	0.00- 0.00	0.00
11.628	11.627	0.001	537473	0.50000	0.49980	115.86- 115.86	0.00
12.138	12.138	0.000	213979	0.50000	0.50729	136.91- 136.91	0.00
12.857	12.856	0.001	316412	0.50000	0.49798	140.00- 140.00	0.00
13.921	13.917	0.004	284801	0.50000	0.49776	128.33- 128.33	0.00
Average of Peak Amounts =					0.50055		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001013.D
Date : 26-OCT-2010 23:45
Client ID:
Sample Info: M1660,10260.B

Instrument: gc14.i
Operator:
Column diameter: 0.53

Column phase: MR-1



Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001014.D
Report Date: 27-Oct-2010 13:24

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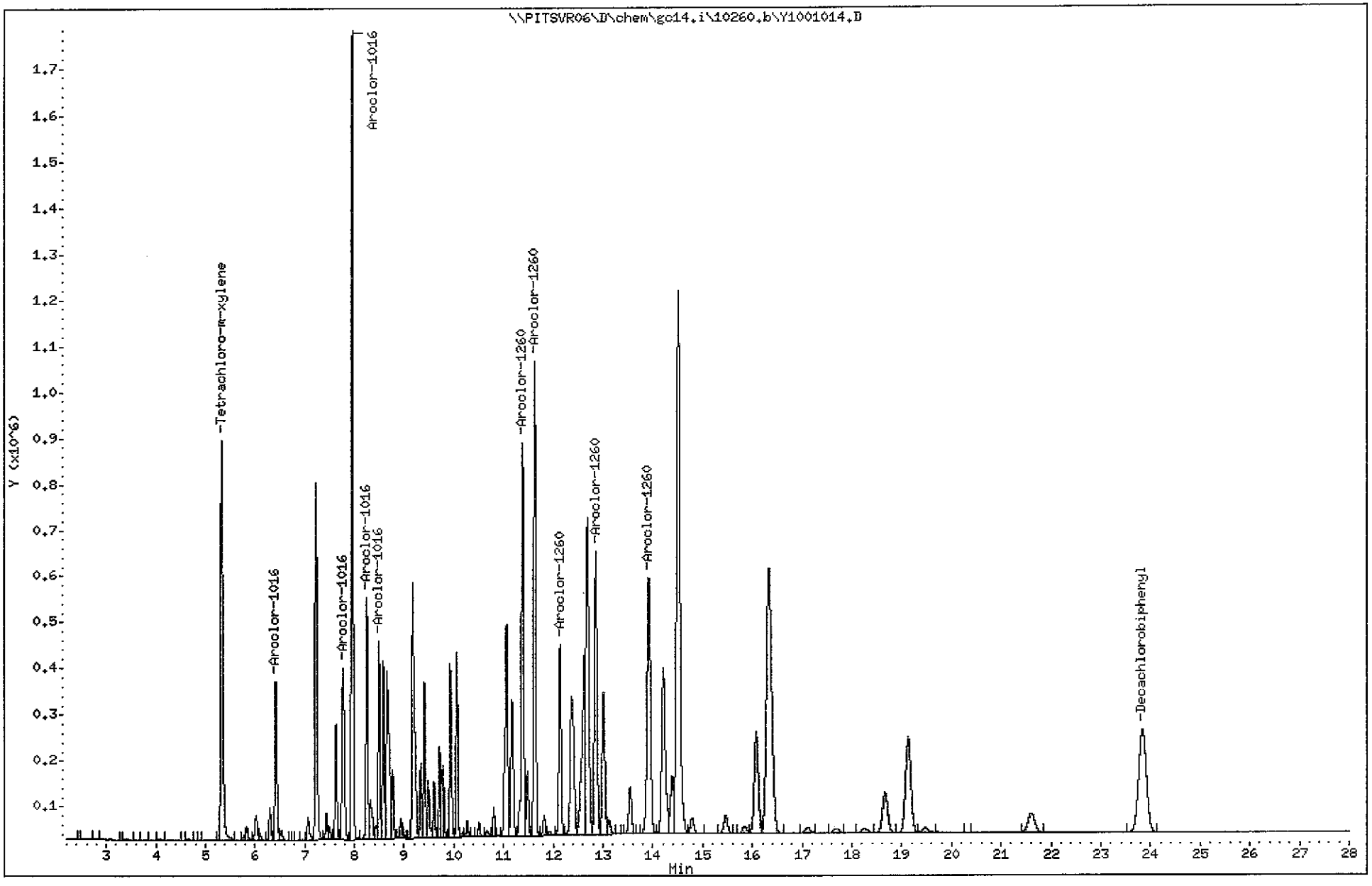
Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1001014.D
Lab Smp Id: MH1660
Inj Date : 27-OCT-2010 00:17
Operator : Inst ID: gc14.i
Smp Info : MH1660,10260.B
Misc Info : GC0786-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:24 gc14.i Quant Type: ESTD
Cal Date : 26-OCT-2010 23:45 Cal File: Y1001013.D
Als bottle: 16 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
6.417	6.417	0.000	344693	1.00000	0.94886	0.00- 0.00	0.00
7.774	7.774	0.000	370882	1.00000	0.95847	100.00- 100.00	0.00
7.958	7.958	0.000	1751566	1.00000	0.96373	223.51- 223.51	0.00
8.253	8.253	0.000	523383	1.00000	0.96119	223.51- 223.51	0.00
8.497	8.497	0.000	427335	1.00000	0.95319	317.56- 317.56	0.00
		Average of Peak Amounts =			0.95709		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.328	5.328	0.000	866293	0.05000	0.050952		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
23.831	23.831	0.000	223442	0.05000	0.048106		
8 Aroclor-1260					CAS #: 11096-82-5		
11.383	11.383	0.000	851777	1.00000	0.95399	0.00- 0.00	0.00
11.627	11.627	0.000	1027922	1.00000	0.95586	115.86- 115.86	0.00
12.138	12.138	0.000	413005	1.00000	0.97913	136.91- 136.91	0.00
12.856	12.856	0.000	612899	1.00000	0.96461	140.00- 140.00	0.00
13.917	13.917	0.000	553656	1.00000	0.96765	128.33- 128.33	0.00
		Average of Peak Amounts =			0.96425		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001014.D
Date : 27-OCT-2010 00:17
Client ID:
Sample Info: MH1660,10260,B

Instrument: gc14.i

Operator:
Column phase: MR-1
Column diameter: 0.53



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2080

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Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001015.D
Report Date: 27-Oct-2010 13:24

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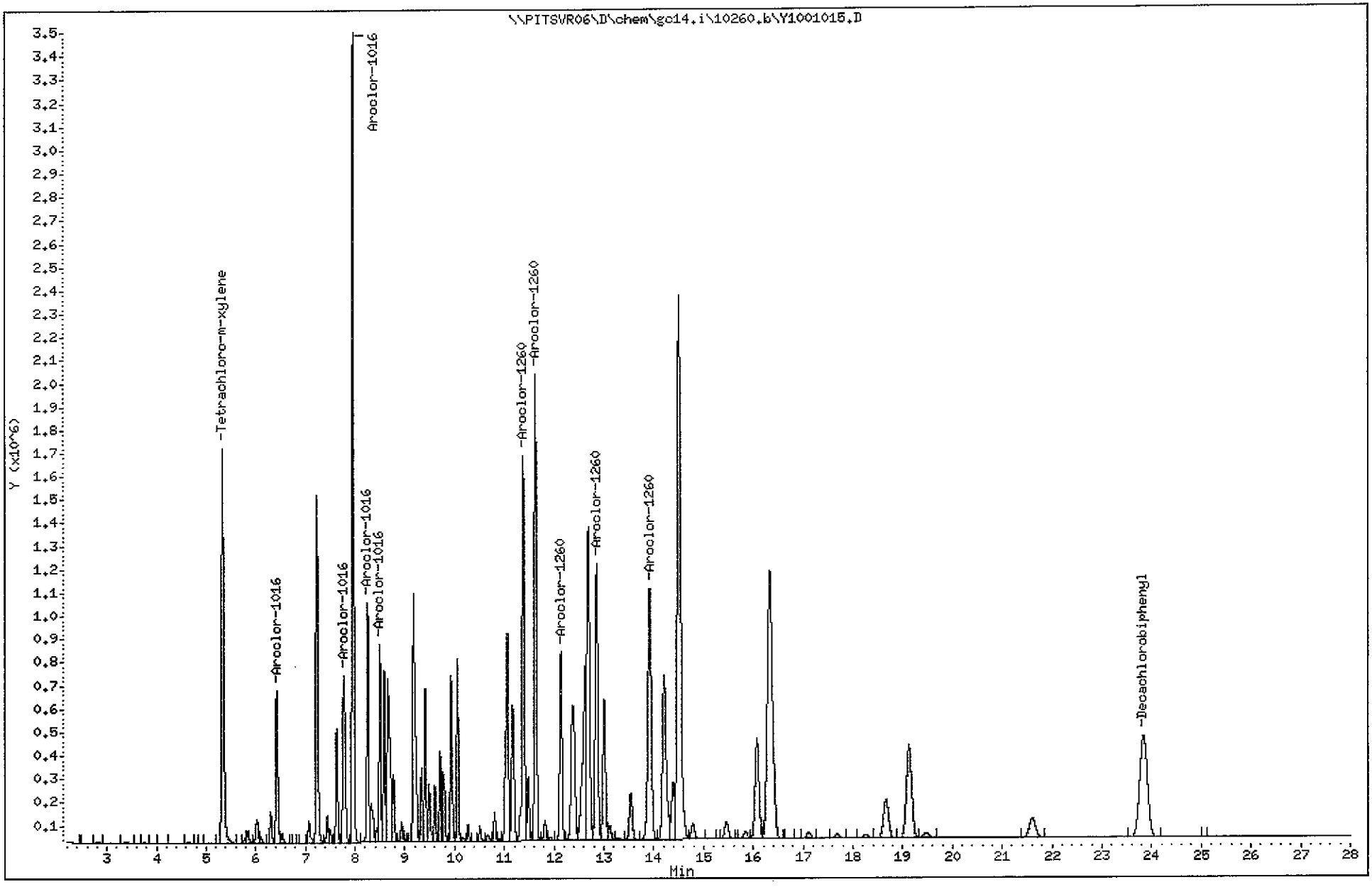
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Lab Smp Id: H1660
Inj Date : 27-OCT-2010 00:49
Operator : Inst ID: gc14.i
Smp Info : H1660,10260.B
Misc Info : GC0787-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:24 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 00:17 Cal File: Y1001014.D
Als bottle: 17 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
4 Aroclor-1016					CAS #: 12674-11-2			
6.422	6.417	0.005	649519	2.00000	1.7880	0.00-	0.00	0.00
7.775	7.774	0.001	714302	2.00000	1.8460	100.00-	100.00	0.00
7.959	7.958	0.001	3471164	2.00000	1.9099	223.51-	223.51	0.00
8.253	8.253	0.000	1030091	2.00000	1.8918	223.51-	223.51	0.00
8.498	8.497	0.001	847978	2.00000	1.8914	317.56-	317.56	0.00
Average of Peak Amounts =					1.86542			
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.332	5.328	0.004	1697843	0.10000	0.099860			
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3			
23.831	23.831	0.000	434505	0.10000	0.093547			
8 Aroclor-1260					CAS #: 11096-82-5			
11.383	11.383	0.000	1652385	2.00000	1.8507	0.00-	0.00	0.00
11.627	11.627	0.000	2003385	2.00000	1.8629	115.86-	115.86	0.00
12.136	12.138	-0.002	805955	2.00000	1.9107	136.91-	136.91	0.00
12.853	12.856	-0.003	1185815	2.00000	1.8663	140.00-	140.00	0.00
13.919	13.917	0.002	1077202	2.00000	1.8827	128.33-	128.33	0.00
Average of Peak Amounts =					1.87466			

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001015.D
Date : 27-OCT-2010 00:49
Client ID:
Sample Info: H1660,10260.B

Instrument: gc14.i

Operator:
Column phase: MR-1
Column diameter: 0.53



Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001016.D
Report Date: 27-Oct-2010 13:24

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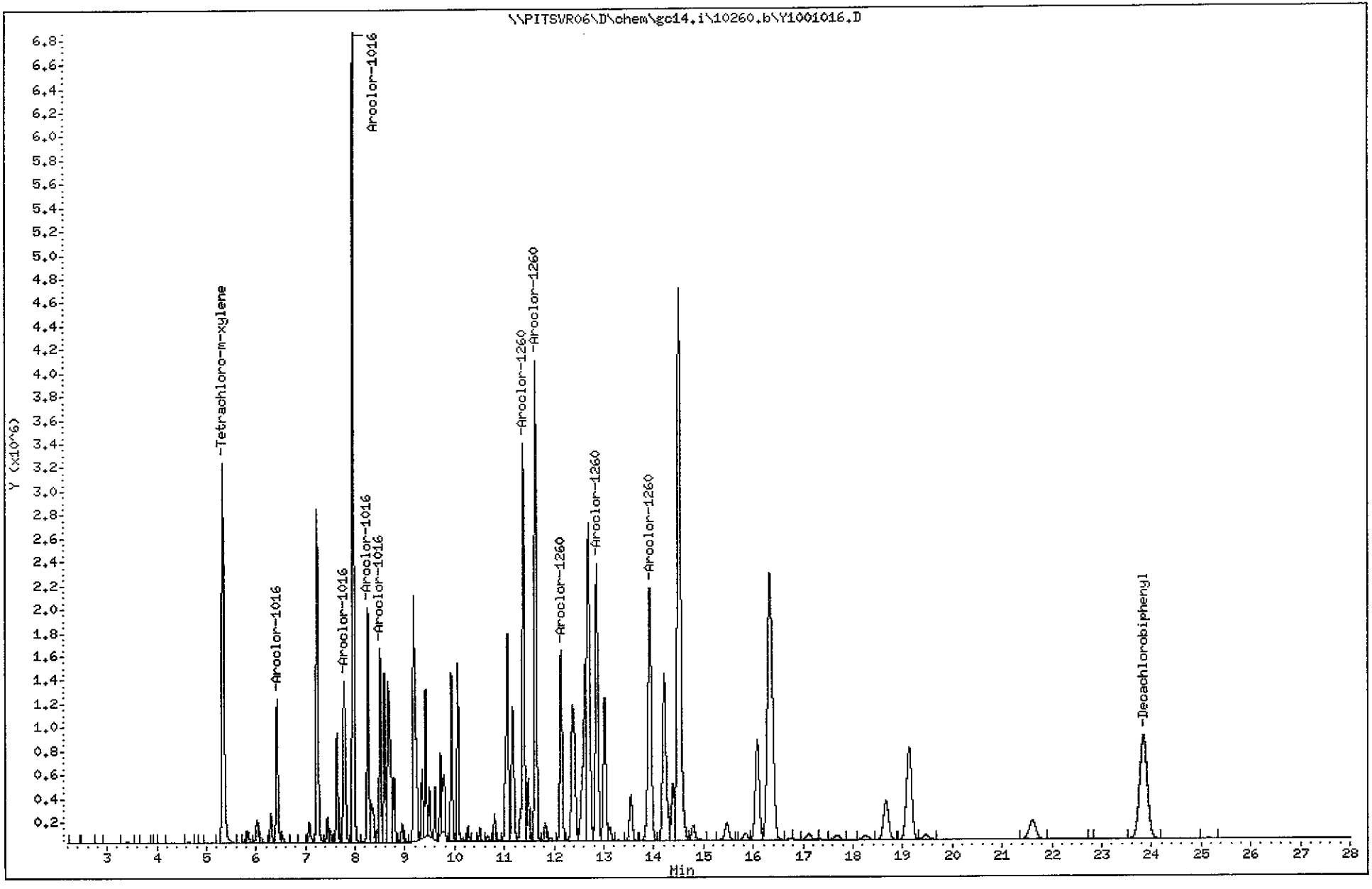
Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1001016.D
Lab Smp Id: XH1660
Inj Date : 27-OCT-2010 01:21
Operator : Inst ID: gc14.i
Smp Info : XH1660,10260.B
Misc Info : GC0788-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:24 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 00:49 Cal File: Y1001015.D
Als bottle: 18 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
6.424	6.417	0.007	1214974	4.00000	3.3445	0.00- 0.00	0.00
7.777	7.774	0.003	1359106	4.00000	3.5123	100.00- 100.00	0.00
7.960	7.958	0.002	6834418	4.00000	3.7604	223.51- 223.51	0.00
8.256	8.253	0.003	1979653	4.00000	3.6356	223.51- 223.51	0.00
8.501	8.497	0.004	1639271	4.00000	3.6565	317.56- 317.56	0.00
Average of Peak Amounts =					3.58186		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.336	5.328	0.008	3209807	0.20000	0.18879		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
23.841	23.831	0.010	863880	0.20000	0.18599		
8 Aroclor-1260					CAS #: 11096-82-5		
11.385	11.383	0.002	3357969	4.00000	3.7609	0.00- 0.00	0.00
11.628	11.627	0.001	4058458	4.00000	3.7740	115.86- 115.86	0.00
12.138	12.138	0.000	1608156	4.00000	3.8125	136.91- 136.91	0.00
12.856	12.856	0.000	2334246	4.00000	3.6738	140.00- 140.00	0.00
13.919	13.917	0.002	2127788	4.00000	3.7188	128.33- 128.33	0.00
Average of Peak Amounts =					3.74800		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001016.D
Date : 27-OCT-2010 01:21
Client ID:
Sample Info: XH1660,10260.B

Instrument: gc14.i

Operator:
Column phase: MR-1
Column diameter: 0.53



Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001017.D
Report Date: 27-Oct-2010 13:24

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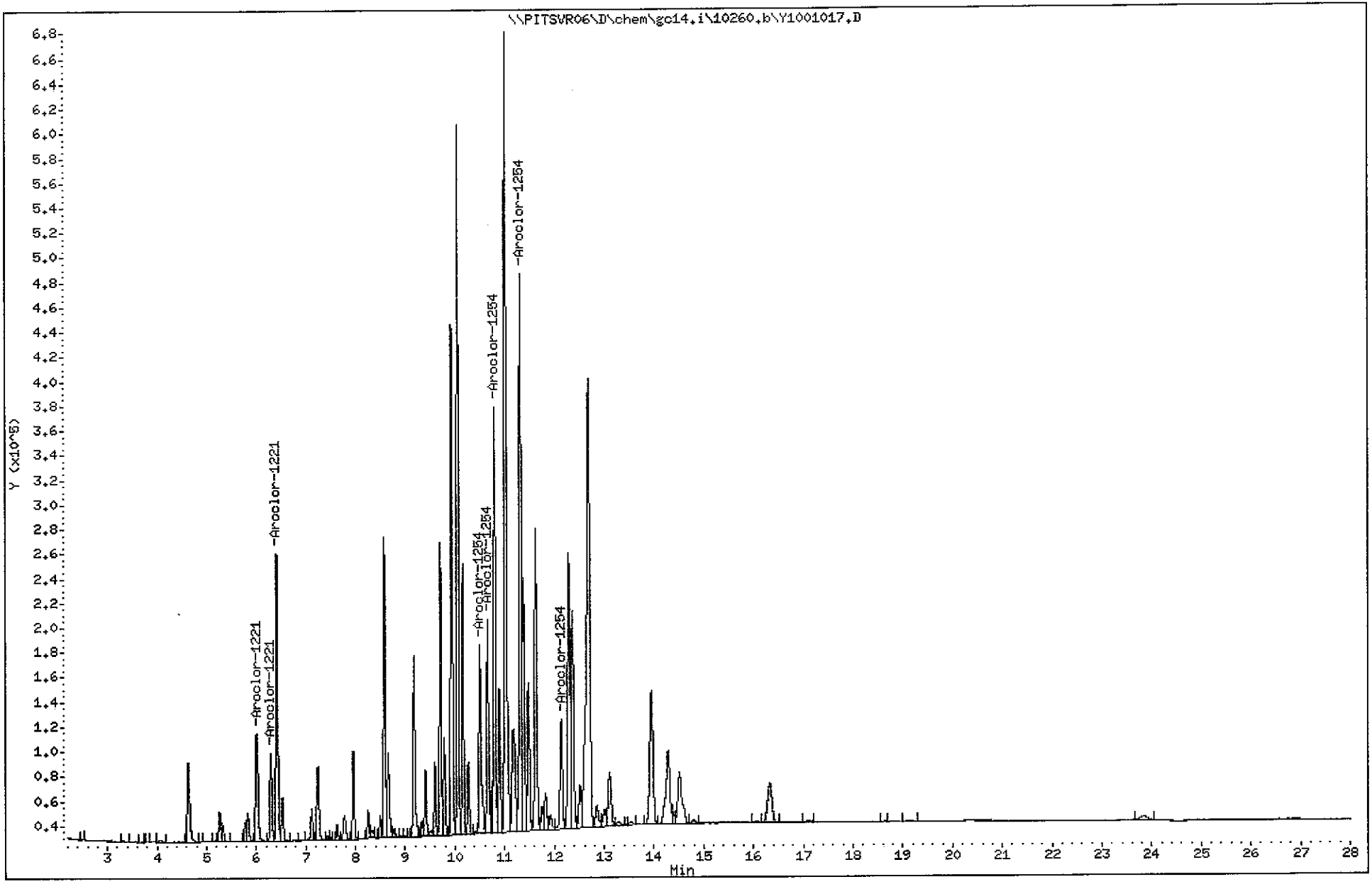
Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1001017.D
Lab Smp Id: 2M2154
Inj Date : 27-OCT-2010 01:53
Operator : Inst ID: gc14.i
Smp Info : 2M2154,10260.B
Misc Info : GC0861-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:24 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 19 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
1 Aroclor-1221					CAS #: 11104-28-2		
6.009	6.008	0.001	86466	0.50000	0.50383	0.00- 0.00	0.00
6.294	6.294	0.000	70724	0.50000	0.50162	136.57- 136.57	0.00
6.416	6.417	-0.001	232132	0.50000	0.49970	86.04- 86.04	0.00
		Average of Peak Amounts =			0.50172		
7 Aroclor-1254					CAS #: 11097-69-1		
10.503	10.503	0.000	152148	0.50000	0.54395	0.00- 0.00	0.00
10.659	10.659	0.000	172620	0.50000	0.55724	112.23- 112.23	0.00
10.799	10.799	0.000	344020	0.50000	0.53438	97.40- 97.40	0.00
11.319	11.320	-0.001	450937	0.50000	0.54399	71.09- 71.09	0.00
12.136	12.135	0.001	87620	0.50000	0.48211	85.01- 85.01	0.00
		Average of Peak Amounts =			0.53233		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001017.D
Date : 27-OCT-2010 01:53
Client ID:
Sample Info: 2M2154,10260,B

Instrument: gc14.i
Operator:
Column diameter: 0.53

Column phase: MR-1



Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001018.D
Report Date: 27-Oct-2010 13:24

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Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1001018.D
Lab Smp Id: 2M1232
Inj Date : 27-OCT-2010 02:25
Operator : Inst ID: gc14.i
Smp Info : 2M1232,10260.B
Misc Info : GC0862-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:24 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1232.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

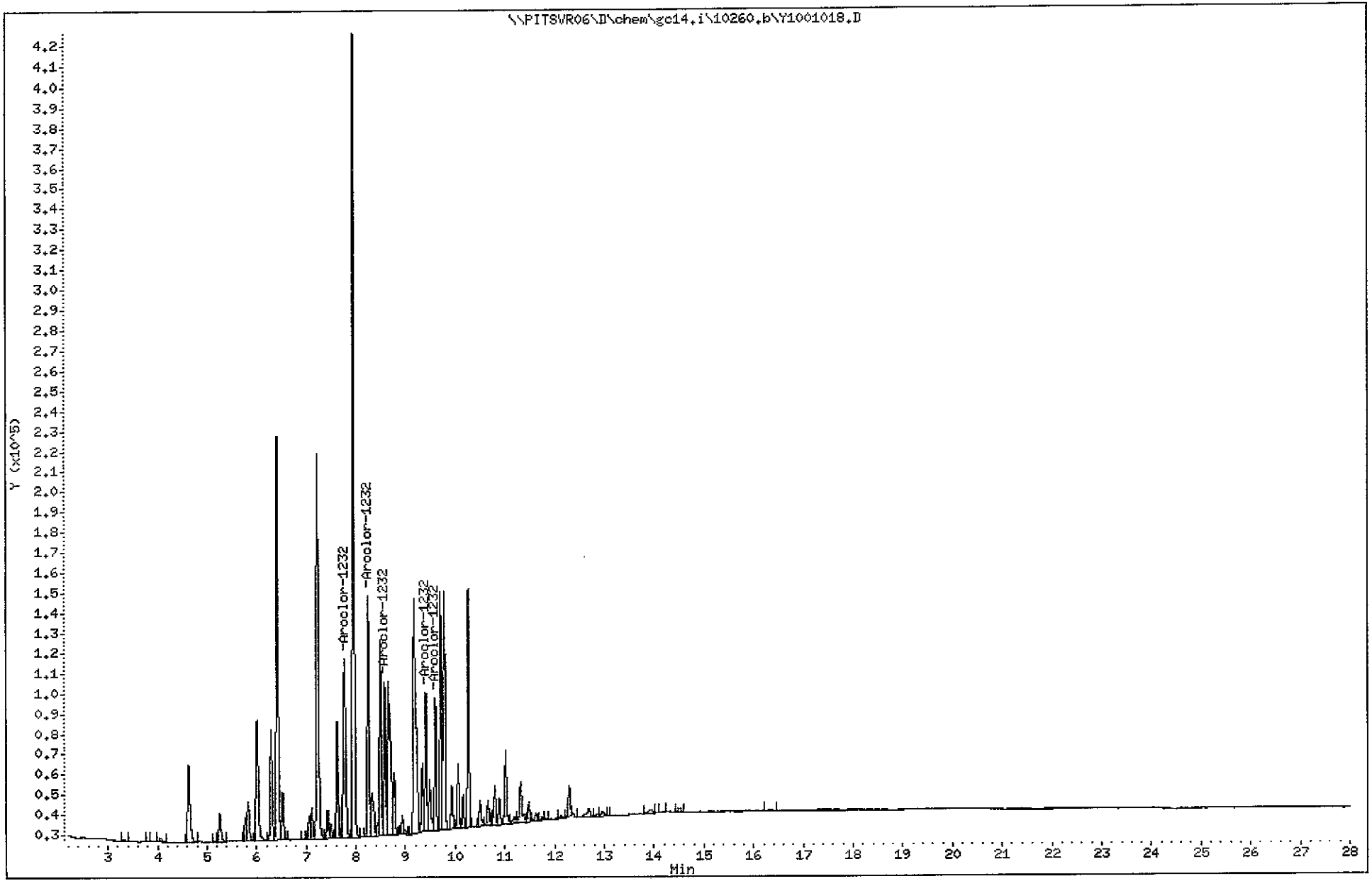
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
7.772	7.772	0.000	88428	0.50000	0.52725	0.00- 0.00	0.00
8.251	8.250	0.001	119070	0.50000	0.51593	166.26- 166.26	0.00
8.583	8.583	0.000	75756	0.50000	0.39446	85.99- 85.99	0.00
9.410	9.411	-0.001	68332	0.50000	0.45116	94.18- 94.18	0.00
9.600	9.599	0.001	65622	0.50000	0.47039	0.00- 0.00	0.00
		Average of Peak Amounts =			0.47184		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001018.D
Date : 27-OCT-2010 02:25
Client ID:
Sample Info: 2M1232,10260.B

Column phase: MR-1

Instrument: gc14.i

Operator:
Column diameter: 0.53



Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001019.D
Report Date: 27-Oct-2010 13:24

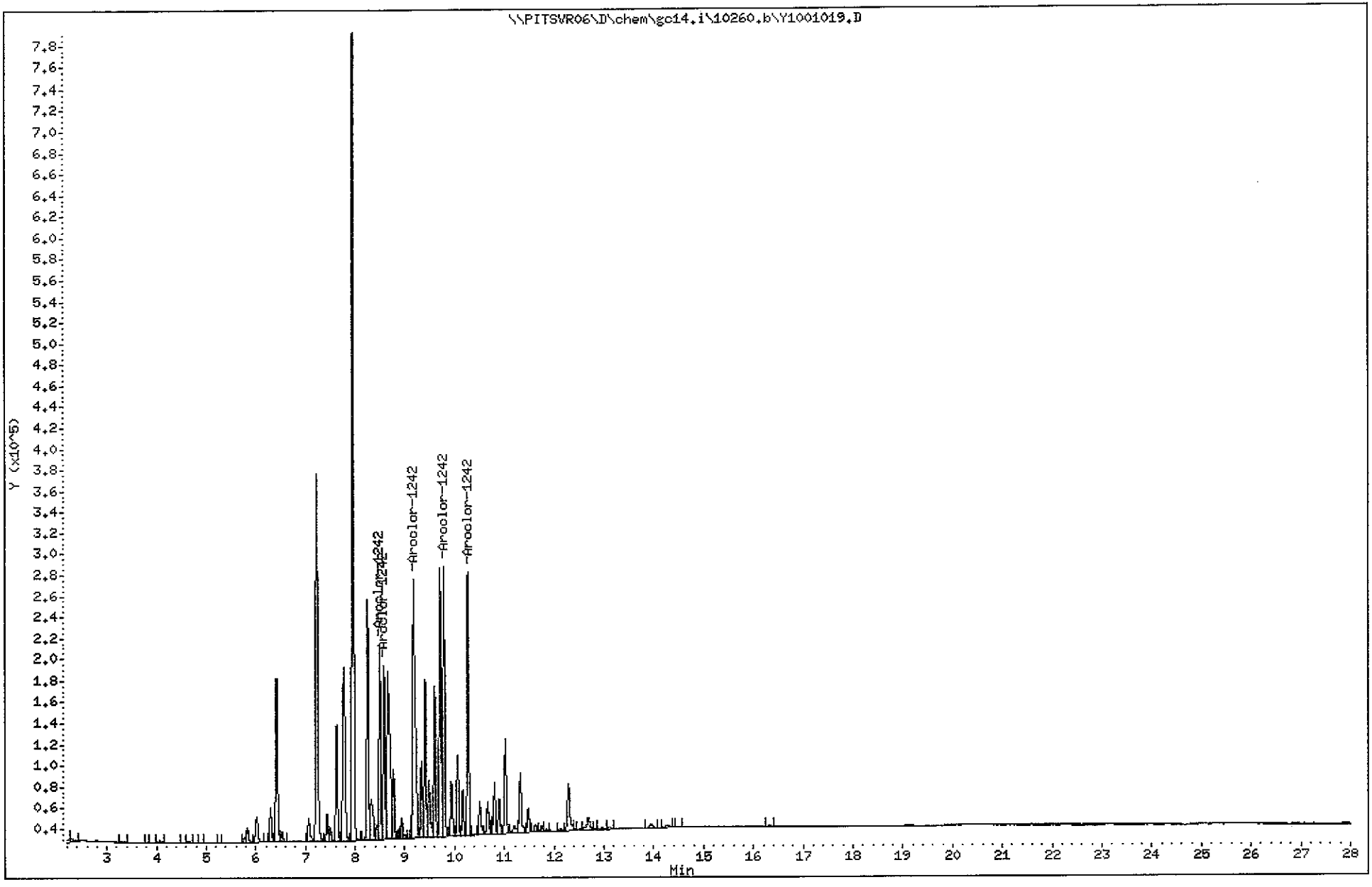
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Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1001019.D
Lab Smp Id: 2M1242
Inj Date : 27-OCT-2010 02:57
Operator : Inst ID: gc14.i
Smp Info : 2M1242,10260.B
Misc Info : GC0863-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:24 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 21 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
8.496	8.494	0.002	184507	0.50000	0.54228	0.00- 0.00	0.00
8.583	8.582	0.001	164356	0.50000	0.54703	330.13- 330.13	0.00
9.176	9.175	0.001	244724	0.50000	0.53587	769.70- 769.70	0.00
9.785	9.784	0.001	255123	0.50000	0.50260	532.48- 532.48	0.00
10.266	10.265	0.001	248331	0.50000	0.48066	334.30- 334.30	0.00
		Average of Peak Amounts =			0.52169		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001019.D
Date : 27-OCT-2010 02:57
Client ID:
Sample Info: 2M1242,10260.B

Instrument: gc14.i
Operator:
Column phase: MR-1
Column diameter: 0.53



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2090
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Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001020.D
Report Date: 27-Oct-2010 13:24

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Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1001020.D
Lab Smp Id: 2M1248
Inj Date : 27-OCT-2010 03:30
Operator : Inst ID: gc14.i
Smp Info : 2M1248,10260.B
Misc Info : GC0864-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:24 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 22 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

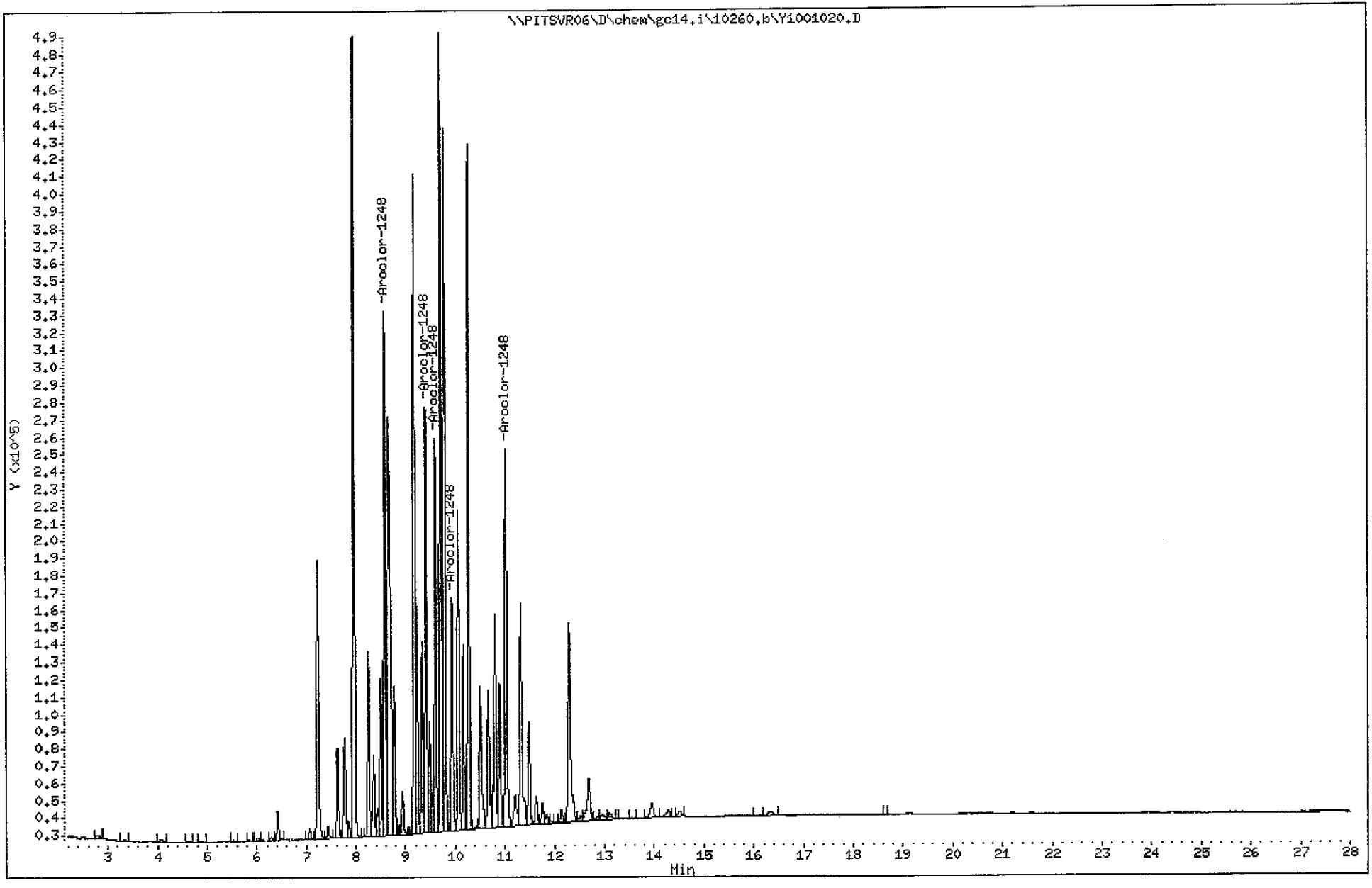
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
6 Aroclor-1248					CAS #: 12672-29-6		
8.584	8.581	0.003	302152	0.50000	0.50810	0.00- 0.00	0.00
9.411	9.409	0.002	245280	0.50000	0.50615	134.57- 134.57	0.00
9.600	9.598	0.002	226823	0.50000	0.49382	83.67- 83.67	0.00
9.930	9.928	0.002	134108	0.50000	0.49058	63.86- 63.86	0.00
11.018	11.014	0.004	218053	0.50000	0.50376	148.08- 148.08	0.00
		Average of Peak Amounts =			0.50048		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001020.D
Date : 27-OCT-2010 03:30
Client ID:
Sample Info: 2M1248,10260,B

Instrument: gc14.i

Operator:
Column diameter: 0.53

Column phase: MR-1



(2001 - 2148)

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C0J210496

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001021.D
Report Date: 27-Oct-2010 13:24

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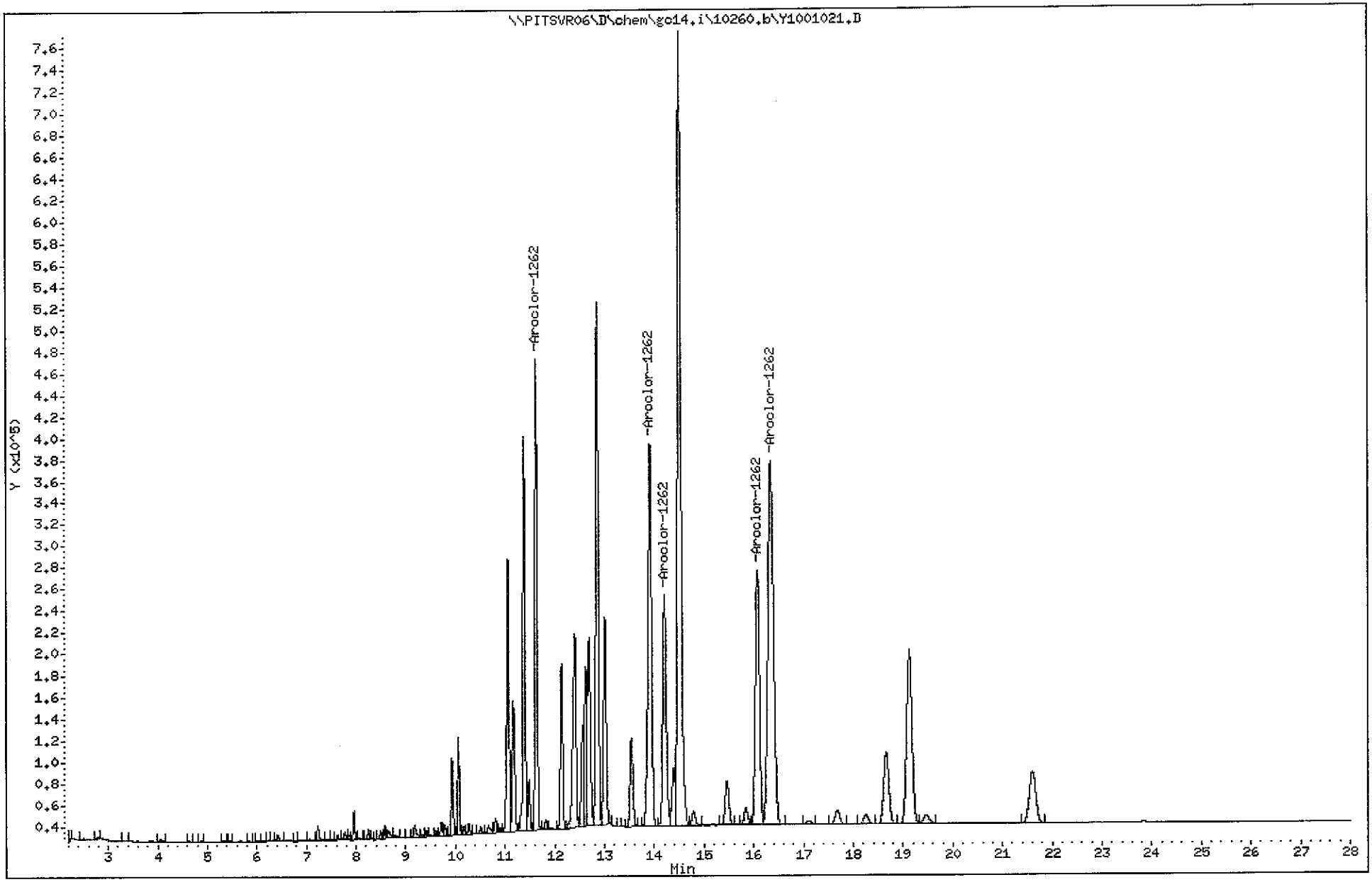
Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1001021.D
Lab Smp Id: 2M1262
Inj Date : 27-OCT-2010 04:02
Operator : Inst ID: gc14.i
Smp Info : 2M1262,10260.B
Misc Info : GC0865-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:24 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 23 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
9 Aroclor-1262					CAS #: 37324-23-5		
11.625	11.623	0.002	435887	0.50000	0.54158	0.00- 0.00	0.00
13.916	13.908	0.008	354058	0.50000	0.53438	0.00- 0.00	0.00
14.206	14.199	0.007	213449	0.50000	0.53890	0.00- 0.00	0.00
16.080	16.065	0.015	234590	0.50000	0.53089	0.00- 0.00	0.00
16.340	16.332	0.008	335796	0.50000	0.54545	0.00- 0.00	0.00
		Average of Peak Amounts =			0.53824		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001021.D
Date : 27-OCT-2010 04:02
Client ID:
Sample Info: 2M1262,10260.B

Instrument: gc14.i

Operator:
Column phase: MR-1
Column diameter: 0.53



(2001 - 2148)

2094

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Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001022.D
Report Date: 27-Oct-2010 13:24

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Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1001022.D
Lab Smp Id: 2M1268
Inj Date : 27-OCT-2010 04:34
Operator : Inst ID: gc14.i
Smp Info : 2M1268,10260.B
Misc Info : GC0866-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:24 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 24 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1268.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

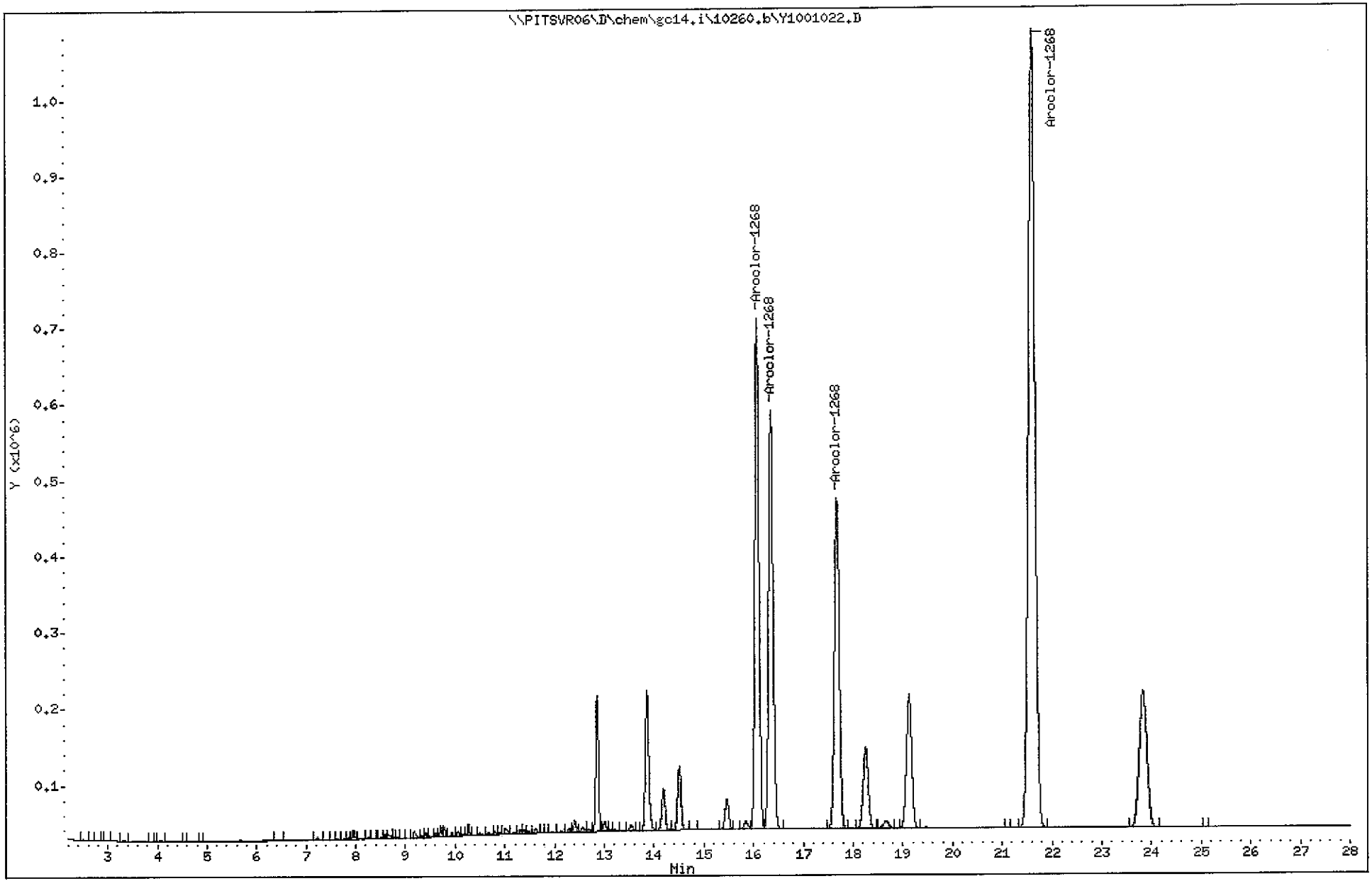
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
10 Aroclor-1268					CAS #: 11100-14-4		
16.074	16.069	0.005	670801	0.50000	0.51037	0.00- 0.00	0.00
16.351	16.342	0.009	549670	0.50000	0.50376	0.00- 0.00	0.00
17.678	17.668	0.010	434717	0.50000	0.50086	0.00- 0.00	0.00
21.598	21.592	0.006	1046003	0.50000	0.52141	0.00- 0.00	0.00
		Average of Peak Amounts =			0.50910		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001022.D
Date : 27-OCT-2010 04:34
Client ID:
Sample Info: 2M1268,10260.B

Column phase: MR-1

Instrument: gc14.i

Operator:
Column diameter: 0.53



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2096
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Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001023.D
Report Date: 27-Oct-2010 13:24

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Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1001023.D
Lab Smp Id: 2M1660
Inj Date : 27-OCT-2010 05:06
Operator : Inst ID: gc14.i
Smp Info : 2M1660,10260.B
Misc Info : GC0867-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 27-Oct-2010 13:24 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
6.417	6.417	0.000	183037	0.50000	0.50386	0.00- 0.00	0.00
7.775	7.774	0.001	199556	0.50000	0.51571	100.00- 100.00	0.00
7.955	7.958	-0.003	936984	0.50000	0.51554	223.51- 223.51	0.00
8.251	8.253	-0.002	276032	0.50000	0.50693	223.51- 223.51	0.00
8.496	8.497	-0.001	227291	0.50000	0.50698	317.56- 317.56	0.00
		Average of Peak Amounts =			0.50980		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		

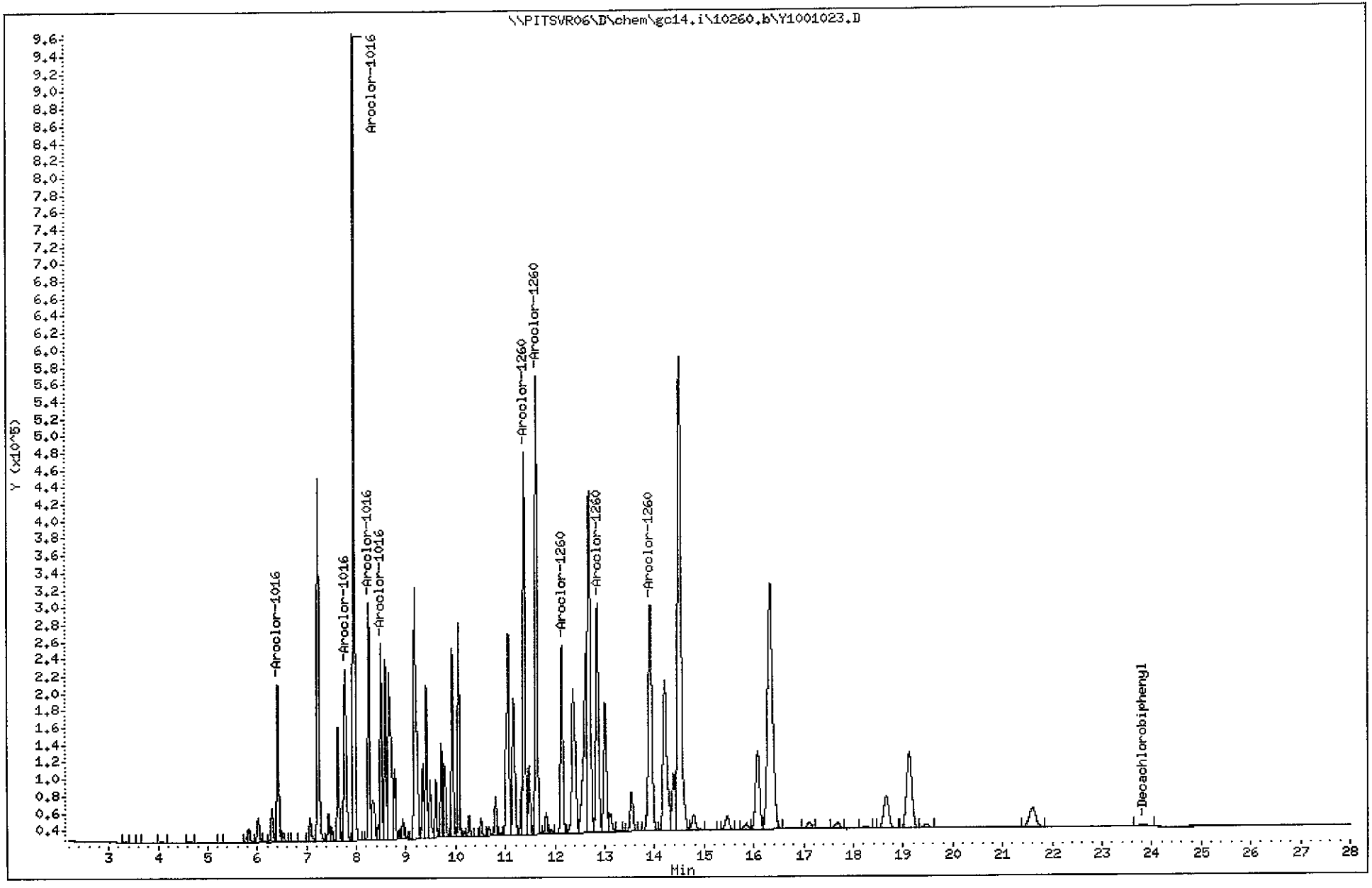
Peaks not detected for Quant. or Qual. signal(s).

$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
23.829	23.831	-0.002	2511	0.02500	0.00054061		
8 Aroclor-1260					CAS #: 11096-82-5		
11.382	11.383	-0.001	445903	0.50000	0.49941	0.00- 0.00	0.00
11.625	11.627	-0.002	534047	0.50000	0.49661	115.86- 115.86	0.00
12.135	12.138	-0.003	219420	0.50000	0.52019	136.91- 136.91	0.00
12.854	12.856	-0.002	266245	0.50000	0.41903	140.00- 140.00	0.00
13.918	13.917	0.001	262227	0.50000	0.45831	128.33- 128.33	0.00
		Average of Peak Amounts =			0.47871		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1001023.D
Date : 27-OCT-2010 05:06
Client ID:
Sample Info: 2M1660,10260,B

Instrument: gc14.i
Operator:
Column diameter: 0.53

Column phase: MR-1



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2098

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Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100261.D
Report Date: 09-Nov-2010 07:01

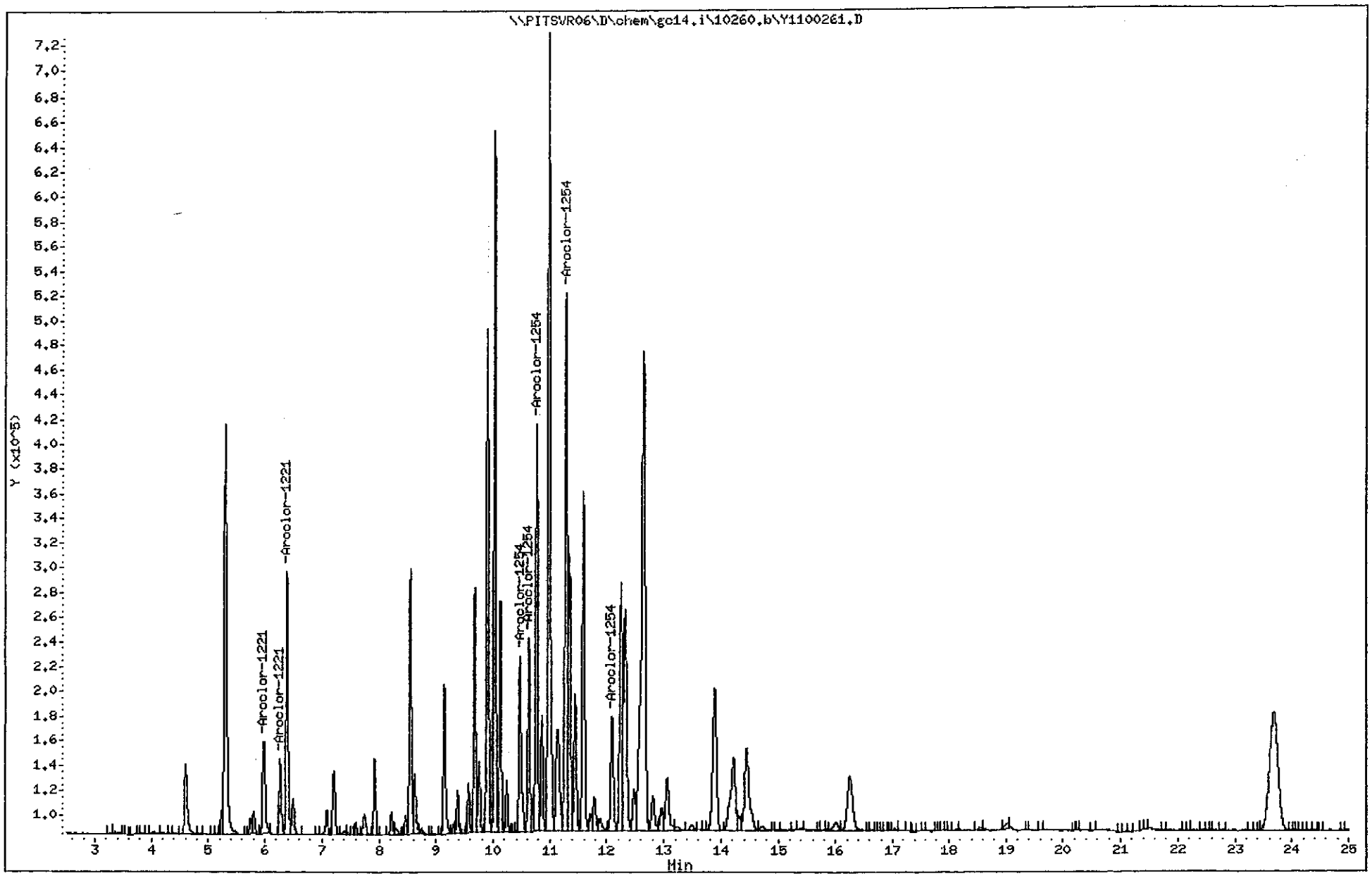
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Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1100261.D
Lab Smp Id: M2154
Inj Date : 08-NOV-2010 22:10
Operator :
Inst ID: gc14.i
Smp Info : M2154,10260.B
Misc Info : GC0966-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 09-Nov-2010 07:01 gc14.i
Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21
Cal File: Y1001016.D
Als bottle: 2
Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon
Compound Sublist: 2154.sub
Target Version: 4.14
Sample Matrix: None
Processing Host: PITPC-106

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
1 Aroclor-1221					CAS #: 11104-28-2		
5.984	5.985	-0.001	74025	0.50000	0.43134	0.00- 0.00	0.00
6.267	6.270	-0.003	60713	0.50000	0.43062	136.57- 136.57	0.00
6.390	6.393	-0.003	212542	0.50000	0.45753	86.04- 86.04	0.00
		Average of Peak Amounts =			0.43983		
7 Aroclor-1254					CAS #: 11097-69-1		
10.473	10.475	-0.002	141227	0.50000	0.50490	0.00- 0.00	0.00
10.630	10.632	-0.002	156927	0.50000	0.50658	112.23- 112.23	0.00
10.767	10.771	-0.004	329316	0.50000	0.51154	97.40- 97.40	0.00
11.285	11.287	-0.002	435060	0.50000	0.52484	71.09- 71.09	0.00
12.094	12.098	-0.004	92315	0.50000	0.50794	85.01- 85.01	0.00
		Average of Peak Amounts =			0.51116		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100261.D
Date : 08-NOV-2010 22:10
Client ID:
Sample Info: M2154,10260,B

Instrument: gc14.i
Operator:
Column phase: MR-1
Column diameter: 0.53



Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100262.D
Report Date: 09-Nov-2010 07:01

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Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1100262.D
Lab Smp Id: M1232
Inj Date : 08-NOV-2010 22:38
Operator : Inst ID: gc14.i
Smp Info : M1232,10260.B
Misc Info : GC0967-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 09-Nov-2010 07:01 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1232.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

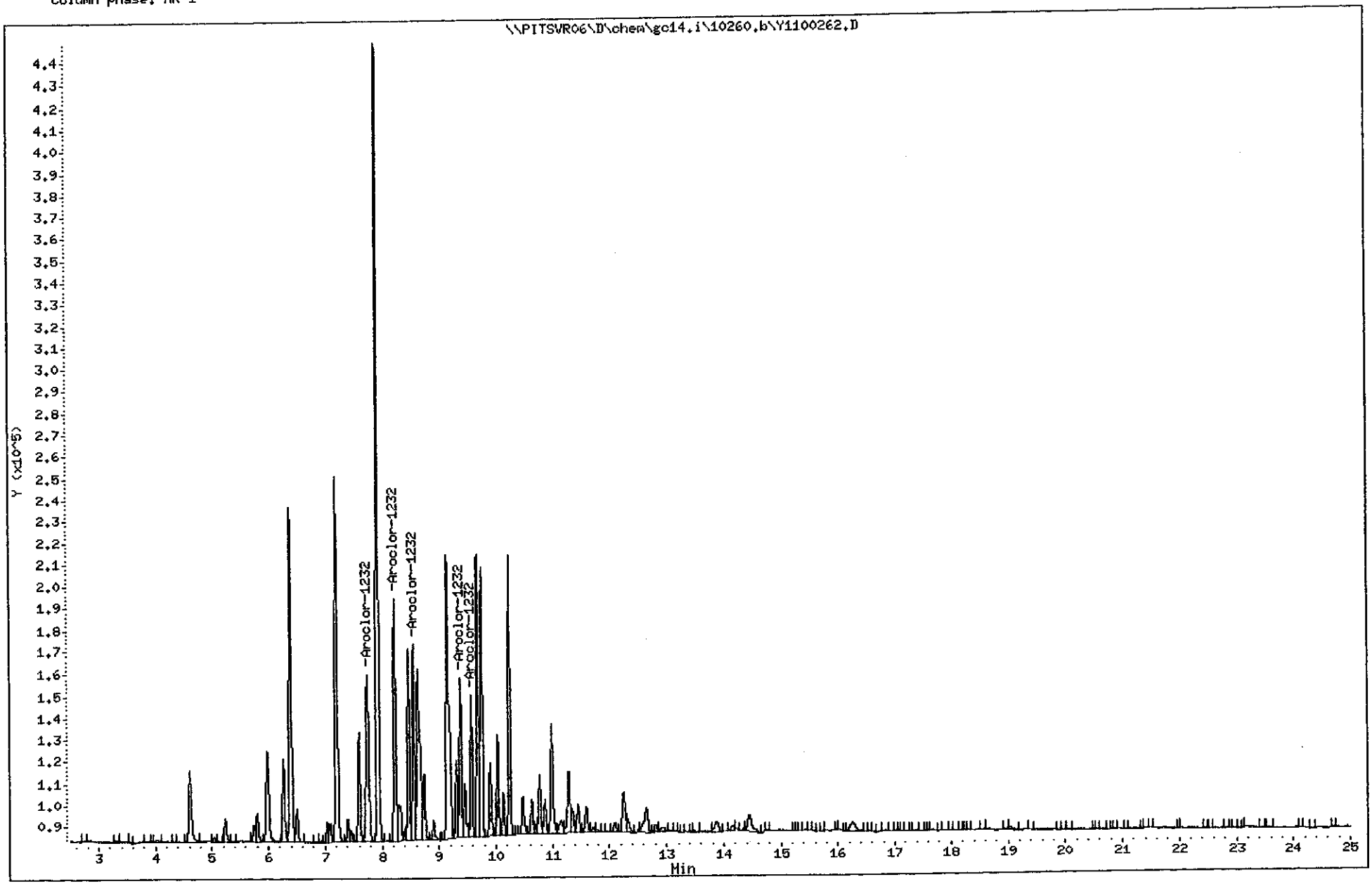
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
7.745	7.746	-0.001	76943	0.50000	0.45877	0.00- 0.00	0.00
8.222	8.226	-0.004	110886	0.50000	0.48047	166.26- 166.26	0.00
8.554	8.557	-0.003	89868	0.50000	0.46794	85.99- 85.99	0.00
9.380	9.384	-0.004	73419	0.50000	0.48474	94.18- 94.18	0.00
9.569	9.575	-0.006	64994	0.50000	0.46589	0.00- 0.00	0.00
Average of Peak Amounts =					0.47156		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100262.D
Date : 08-NOV-2010 22:38
Client ID:
Sample Info: M1232,10260.B

Instrument: gc14.i

Operator:
Column diameter: 0.53

Column phase: HR-1



Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100263.D
Report Date: 09-Nov-2010 07:01

TestAmerica Pittsburgh

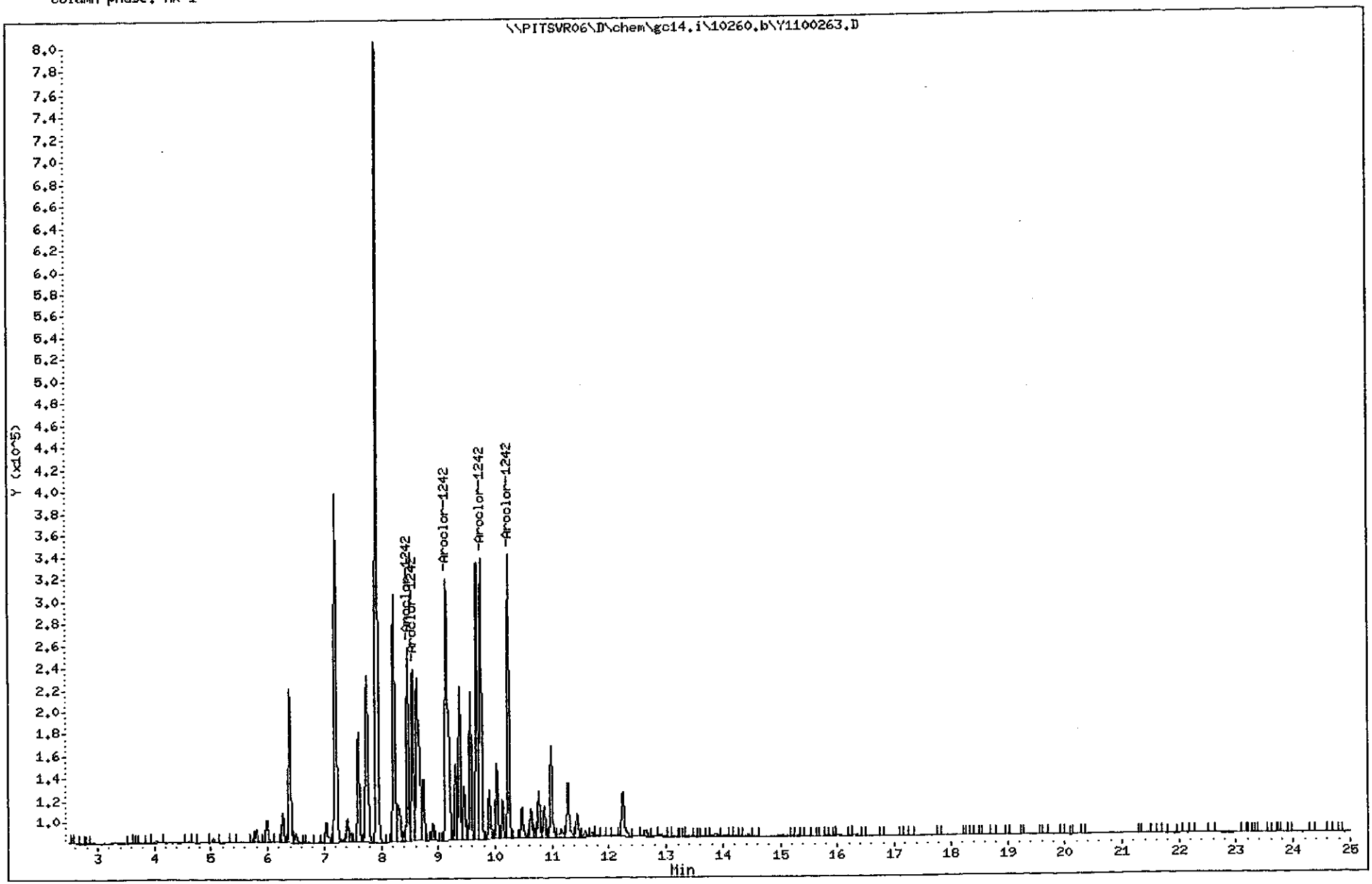
Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1100263.D
Lab Smp Id: M1242
Inj Date : 08-NOV-2010 23:07
Operator : Inst ID: gc14.i
Smp Info : M1242,10260.B
Misc Info : GC0968-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 09-Nov-2010 07:01 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
5 Aroclor-1242						CAS #: 53469-21-9		
8.466	8.472	-0.006	174290	0.50000	0.51226	0.00-	0.00	0.00
8.553	8.560	-0.007	154385	0.50000	0.51384	330.13-	330.13	0.00
9.144	9.151	-0.007	236593	0.50000	0.51806	769.70-	769.70	0.00
9.755	9.762	-0.007	253262	0.50000	0.49894	532.48-	532.48	0.00
10.237	10.243	-0.006	256806	0.50000	0.49706	334.30-	334.30	0.00
		Average of Peak Amounts =			0.50803			

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100263.D
Date : 08-NOV-2010 23:07
Client ID:
Sample Info: M1242,10260,B

Instrument: gc14.i
Operator:
Column diameter: 0.53

Column phase: MR-1



Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100264.D
Report Date: 09-Nov-2010 07:01

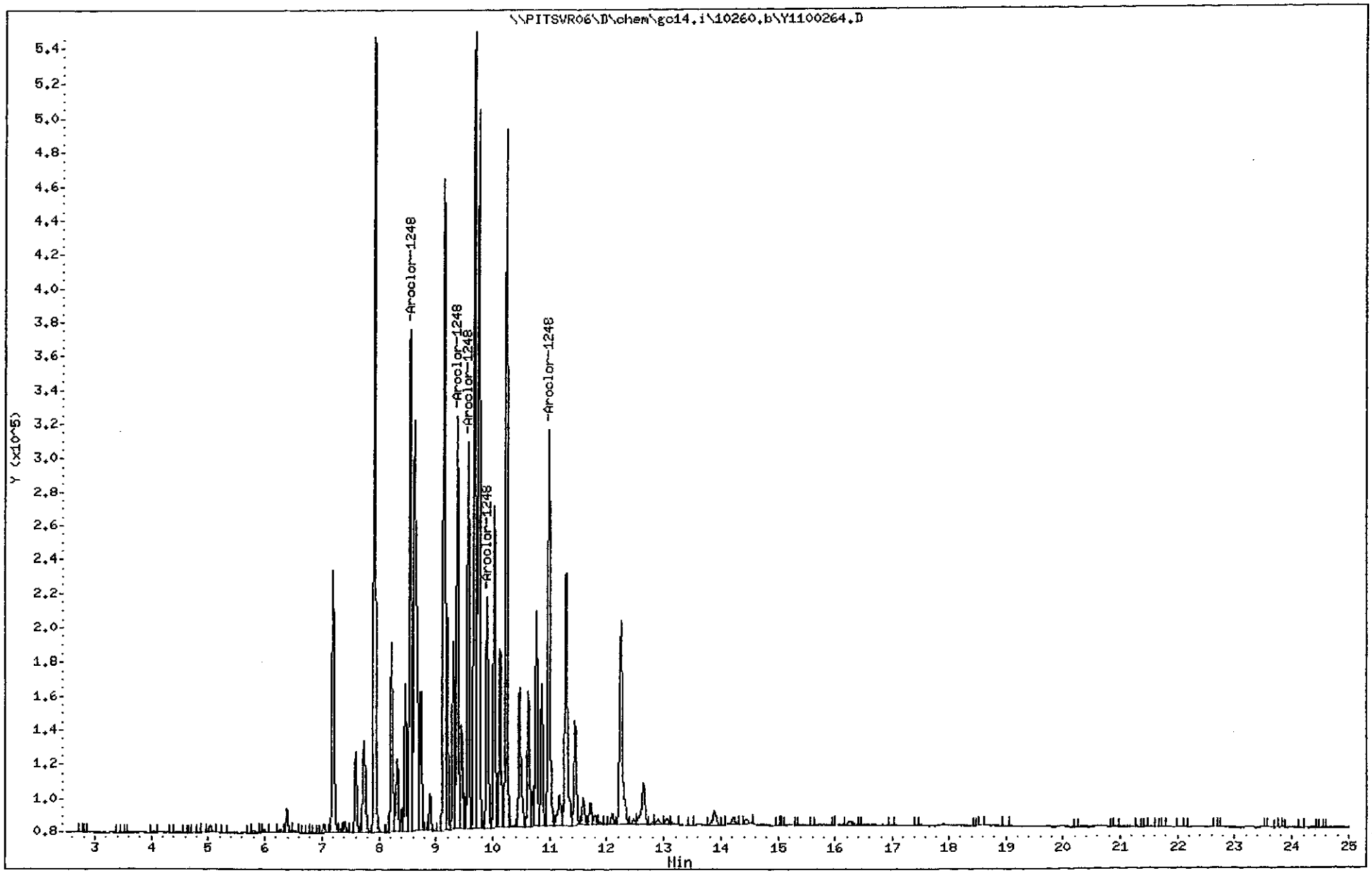
TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1100264.D
Lab Smp Id: M1248
Inj Date : 08-NOV-2010 23:36
Operator : Inst ID: gc14.i
Smp Info : M1248,10260.B
Misc Info : GC0969-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 09-Nov-2010 07:01 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
6 Aroclor-1248					CAS #: 12672-29-6		
8.553	8.560	-0.007	294959	0.50000	0.49600	0.00- 0.00	0.00
9.381	9.386	-0.005	242590	0.50000	0.50060	134.57- 134.57	0.00
9.571	9.577	-0.006	227044	0.50000	0.49430	83.67- 83.67	0.00
9.902	9.909	-0.007	135708	0.50000	0.49643	63.86- 63.86	0.00
10.985	10.989	-0.004	232483	0.50000	0.53709	148.08- 148.08	0.00
		Average of Peak Amounts =			0.50488		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100264.D
Date : 08-NOV-2010 23:36
Client ID:
Sample Info: M1248,10260.B

Instrument: gc14.i
Operator:
Column phase: MR-1
Column diameter: 0.53



Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100265.D
Report Date: 09-Nov-2010 07:01

TestAmerica Pittsburgh

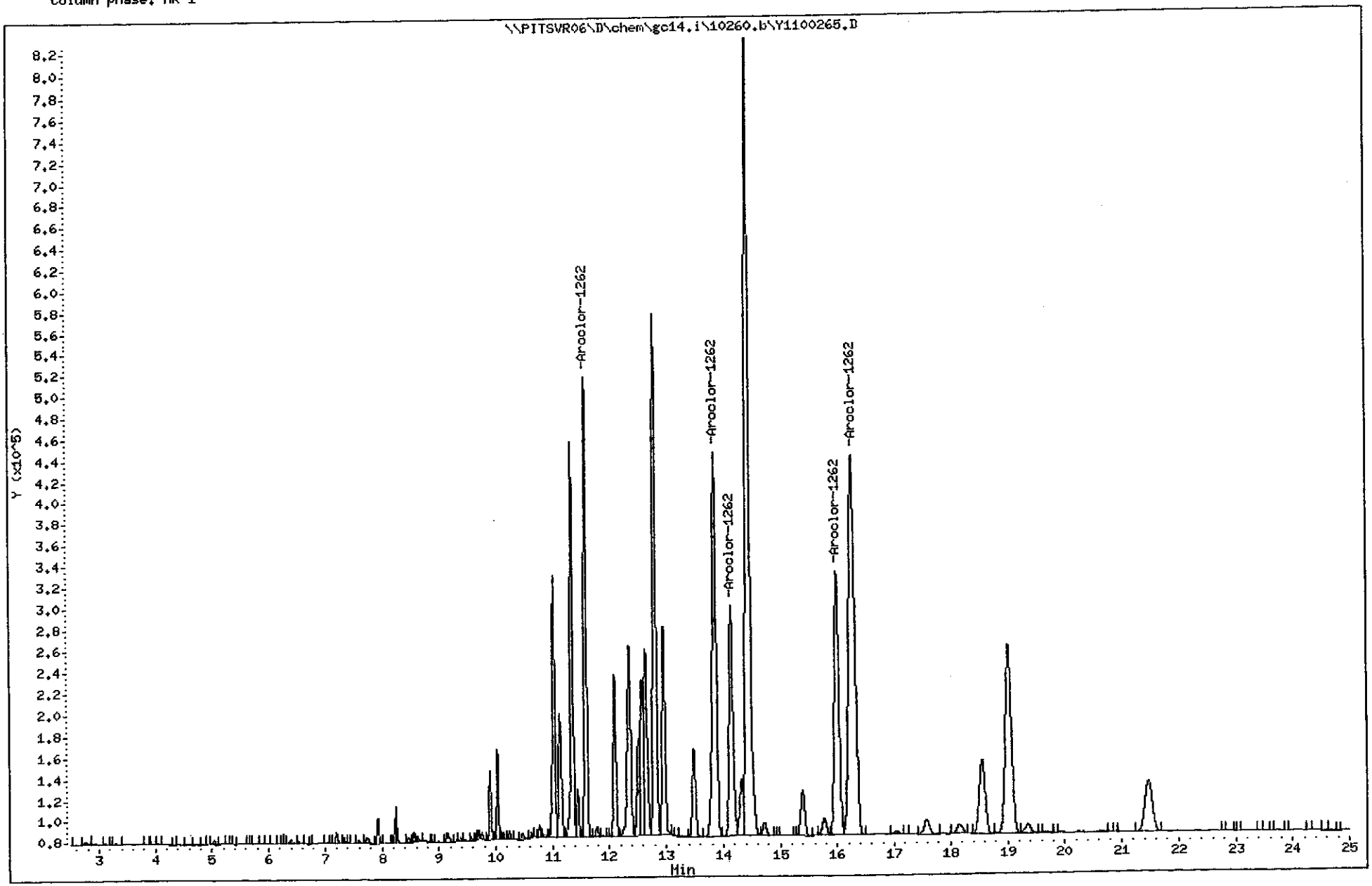
Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1100265.D
Lab Smp Id: M1262
Inj Date : 08-NOV-2010 00:05
Operator : Inst ID: gc14.i
Smp Info : M1262,10260.B
Misc Info : GC0970-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 09-Nov-2010 07:01 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 6 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
9 Aroclor-1262					CAS #: 37324-23-5			
11.587	11.595	-0.008	432128	0.50000	0.53691	0.00-	0.00	0.00
13.858	13.871	-0.013	360862	0.50000	0.54465	0.00-	0.00	0.00
14.146	14.159	-0.013	215873	0.50000	0.54502	0.00-	0.00	0.00
15.997	16.014	-0.017	248192	0.50000	0.56167	0.00-	0.00	0.00
16.268	16.279	-0.011	356922	0.50000	0.57976	0.00-	0.00	0.00
		Average of Peak Amounts =			0.55360			

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100265.D
Date : 08-NOV-2010 00:05
Client ID:
Sample Info: M1262,10260,B

Instrument: gc14.i
Operator:
Column diameter: 0.53

Column phase: MR-1



Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100266.D
Report Date: 09-Nov-2010 07:01

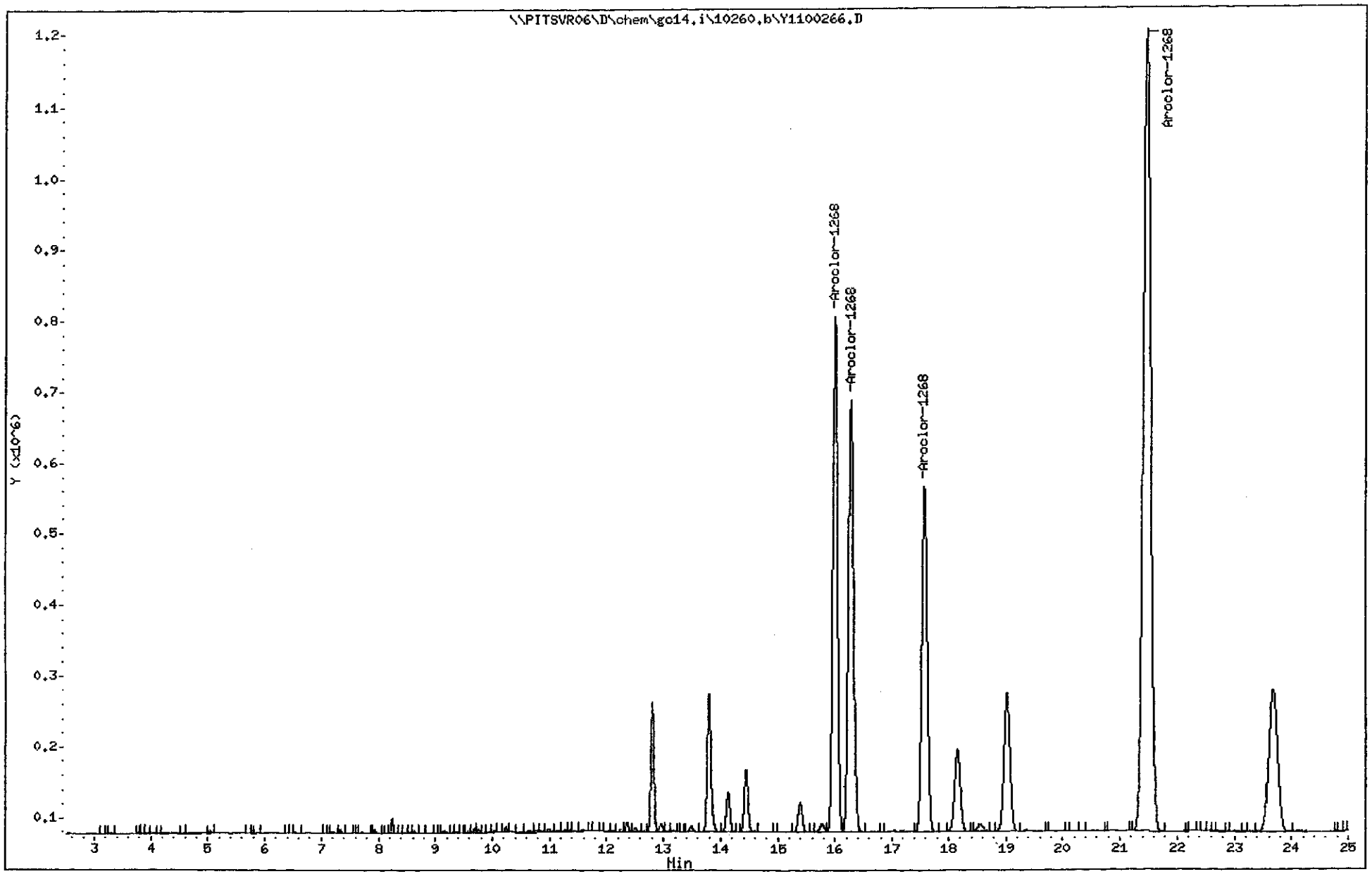
TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1100266.D
Lab Smp Id: M1268
Inj Date : 08-NOV-2010 00:33
Operator :
Inst ID: gc14.i
Smp Info : M1268,10260.B
Misc Info : GC0971-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 09-Nov-2010 07:01 gc14.i
Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21
Cal File: Y1001016.D
Als bottle: 7
Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon
Compound Sublist: 1268.sub
Target Version: 4.14
Sample Matrix: None
Processing Host: PITPC-106

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE		RATIO
10 Aroclor-1268					CAS #: 11100-14-4			
15.996	16.009	-0.013	724704	0.50000	0.55138	0.00-	0.00	0.00
16.271	16.284	-0.013	607683	0.50000	0.55693	0.00-	0.00	0.00
17.581	17.601	-0.020	484911	0.50000	0.55869	0.00-	0.00	0.00
21.477	21.490	-0.013	1123639	0.50000	0.56011	0.00-	0.00	0.00
Average of Peak Amounts =					0.55678			

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100266.D
Date : 08-NOV-2010 00:33
Client ID:
Sample Info: Mi268,10260.B

Instrument: gc14.i
Operator:
Column phase: MR-1
Column diameter: 0.53



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2110
C0J210496

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100267.D
Report Date: 09-Nov-2010 07:01

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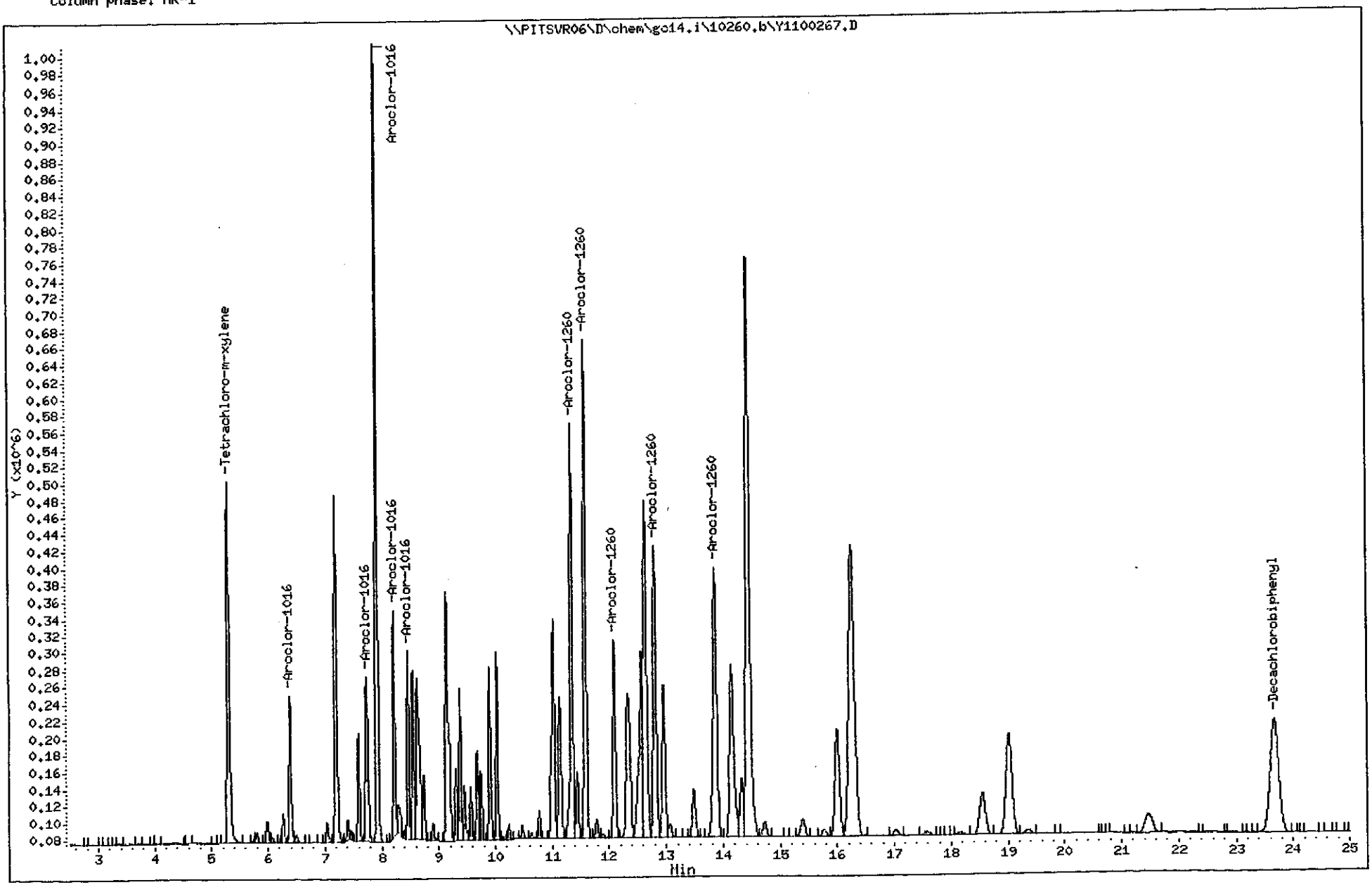
Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1100267.D
Lab Smp Id: M1660
Inj Date : 09-NOV-2010 01:03
Operator :
Inst ID: gc14.i
Smp Info : M1660,10260.B
Misc Info : GC0785-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 09-Nov-2010 07:01 gc14.i
Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21
Cal File: Y1001016.D
Als bottle: 8
Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon
Compound Sublist: 1660.sub
Target Version: 4.14
Sample Matrix: None
Processing Host: PITPC-106

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
6.388	6.395	-0.007	174243	0.50000	0.47965	0.00- 0.00	0.00
7.743	7.750	-0.007	195097	0.50000	0.50419	100.00- 100.00	0.00
7.923	7.931	-0.008	936847	0.50000	0.51546	223.51- 223.51	0.00
8.220	8.228	-0.008	264789	0.50000	0.48628	223.51- 223.51	0.00
8.465	8.473	-0.008	221431	0.50000	0.49391	317.56- 317.56	0.00
		Average of Peak Amounts =			0.49590		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.299	5.303	-0.004	427944	0.02500	0.025170		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
23.677	23.675	0.002	132893	0.02500	0.028611		
8 Aroclor-1260					CAS #: 11096-82-5		
11.343	11.353	-0.010	488723	0.50000	0.54737	0.00- 0.00	0.00
11.586	11.595	-0.009	588428	0.50000	0.54718	115.86- 115.86	0.00
12.094	12.100	-0.006	233129	0.50000	0.55269	136.91- 136.91	0.00
12.804	12.813	-0.009	342957	0.50000	0.53976	140.00- 140.00	0.00
13.860	13.872	-0.012	316471	0.50000	0.55311	128.33- 128.33	0.00
		Average of Peak Amounts =			0.54802		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100267.D
Date : 09-NOV-2010 01:03
Client ID:
Sample Info: M1660,10260,B

Instrument: gc14.i
Operator:
Column diameter: 0.53

Column phase: MR-1



Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100321.D
Report Date: 10-Nov-2010 13:22

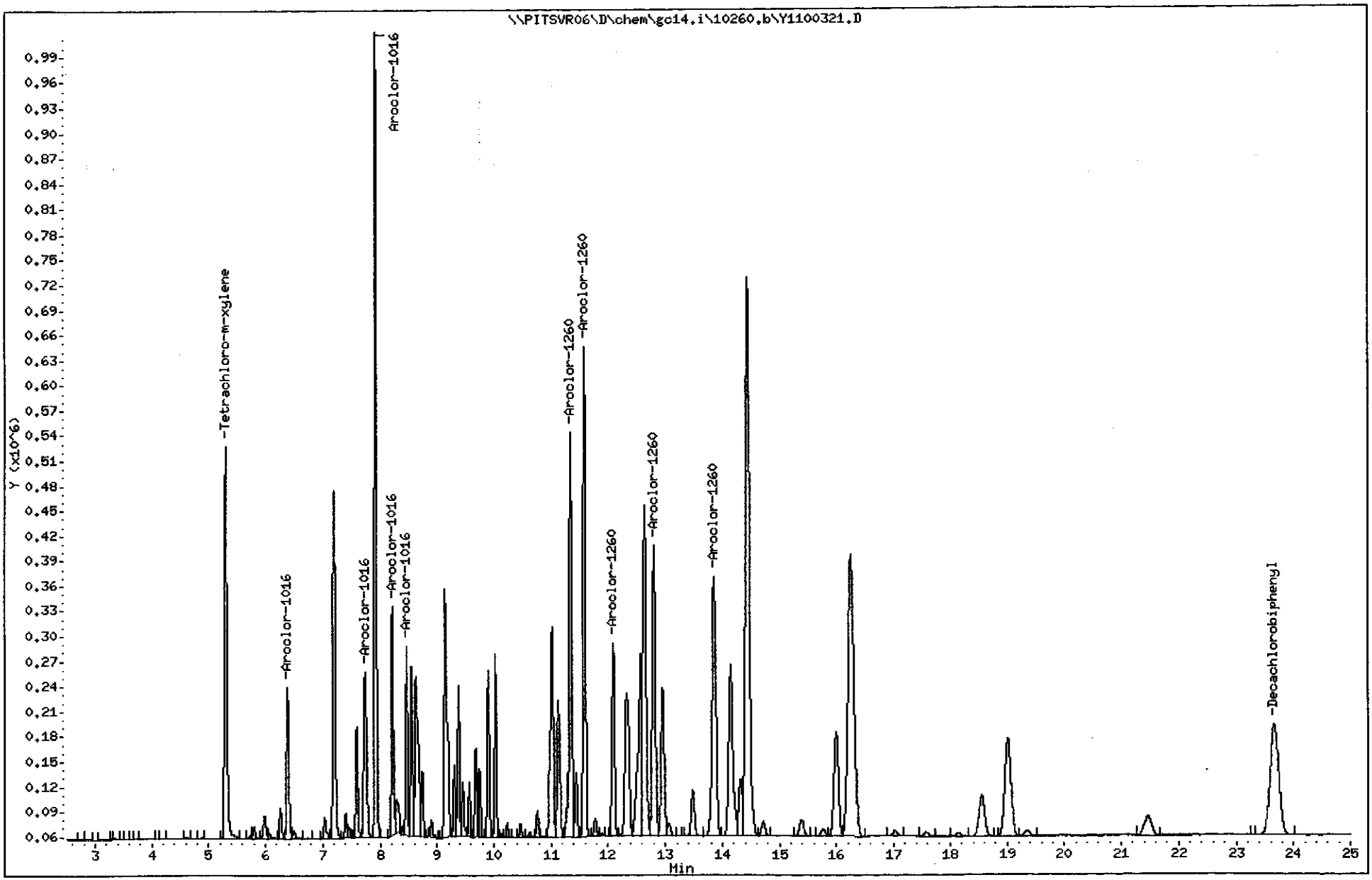
TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1100321.D
Lab Smp Id: M1660
Inj Date : 10-NOV-2010 05:25
Operator : Inst ID: gc14.i
Smp Info : M1660,10260.B
Misc Info : GC0785-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 10-Nov-2010 13:22 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 32 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
6.387	6.395	-0.008	181836	0.50000	0.50055	0.00- 0.00	0.00
7.739	7.750	-0.011	198955	0.50000	0.51416	100.00- 100.00	0.00
7.923	7.931	-0.008	959907	0.50000	0.52815	223.51- 223.51	0.00
8.218	8.228	-0.010	273080	0.50000	0.50151	223.51- 223.51	0.00
8.464	8.473	-0.009	226179	0.50000	0.50450	317.56- 317.56	0.00
		Average of Peak Amounts =			0.50977		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.297	5.303	-0.006	469273	0.02500	0.027601		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
23.665	23.675	-0.010	132607	0.02500	0.028550		
8 Aroclor-1260					CAS #: 11096-82-5		
11.342	11.353	-0.011	483863	0.50000	0.54192	0.00- 0.00	0.00
11.584	11.595	-0.011	586036	0.50000	0.54495	115.86- 115.86	0.00
12.089	12.100	-0.011	230731	0.50000	0.54700	136.91- 136.91	0.00
12.800	12.813	-0.013	347019	0.50000	0.54616	140.00- 140.00	0.00
13.854	13.872	-0.018	311293	0.50000	0.54406	128.33- 128.33	0.00
		Average of Peak Amounts =			0.54482		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100321.D
Date : 10-NOV-2010 05:25
Client ID:
Sample Info: M1660,10260,B

Instrument: gc14.i
Operator:
Column phase: MR-1
Column diameter: 0.53



(2001 - 2148)

2114

C0J210496

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100343.D
Report Date: 10-Nov-2010 15:16

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1100343.D
Lab Smp Id: M1660
Inj Date : 10-NOV-2010 16:01
Operator : Inst ID: gc14.i
Smp Info : M1660,10260.B
Misc Info : GC0785-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 10-Nov-2010 15:16 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 54 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-106

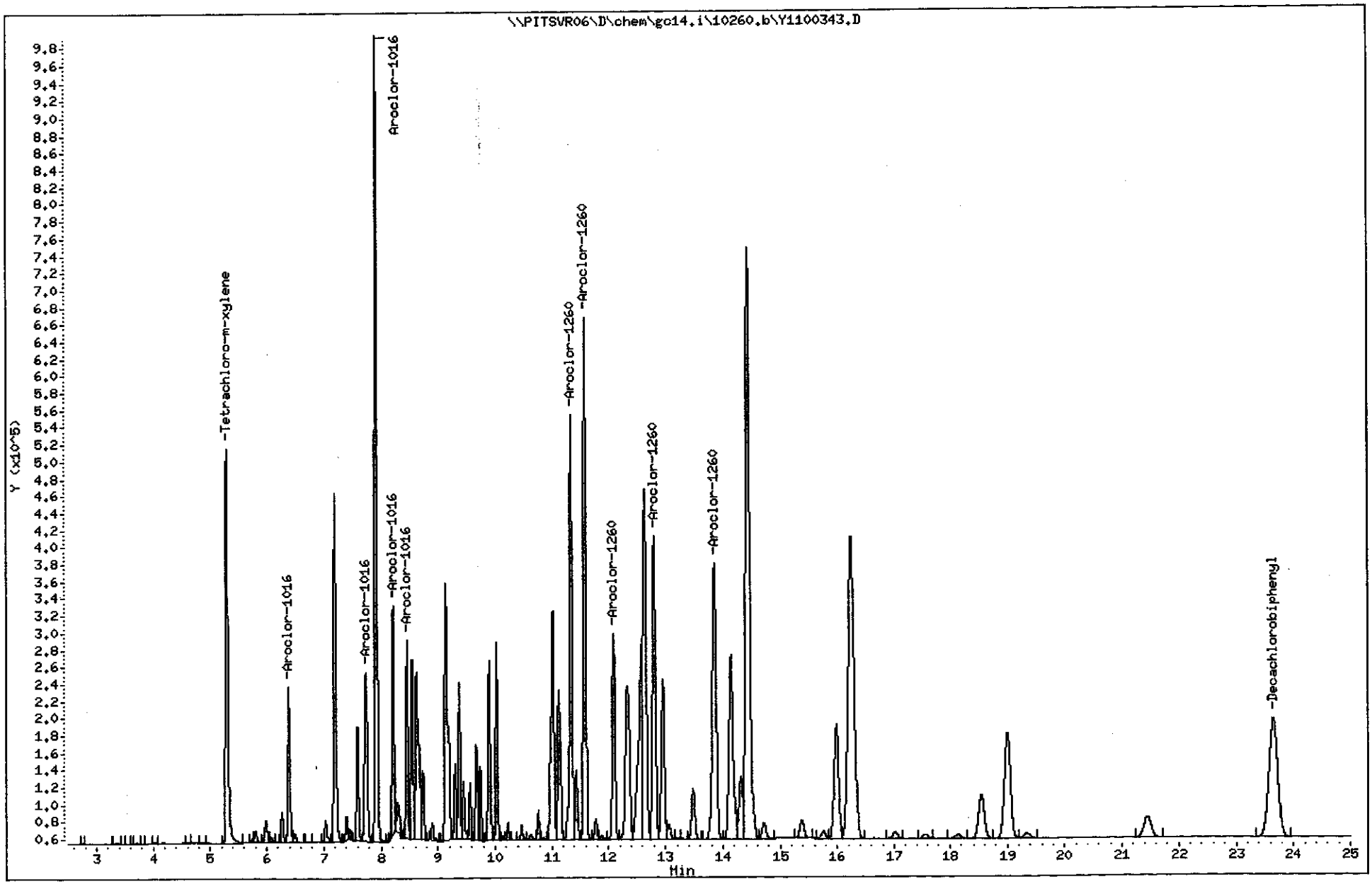
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
6.384	6.395	-0.011	179185	0.50000	0.49325	0.00- 0.00	0.00
7.739	7.750	-0.011	195231	0.50000	0.50454	100.00- 100.00	0.00
7.922	7.931	-0.009	936943	0.50000	0.51552	223.51- 223.51	0.00
8.218	8.228	-0.010	265241	0.50000	0.48712	223.51- 223.51	0.00
8.462	8.473	-0.011	230187	0.50000	0.51344	317.56- 317.56	0.00
		Average of Peak Amounts =			0.50277		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.294	5.303	-0.009	459777	0.02500	0.027042		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
23.651	23.675	-0.024	137425	0.02500	0.029587		
8 Aroclor-1260					CAS #: 11096-82-5		
11.339	11.353	-0.014	494834	0.50000	0.55421	0.00- 0.00	0.00
11.581	11.595	-0.014	607729	0.50000	0.56513	115.86- 115.86	0.00
12.087	12.100	-0.013	238767	0.50000	0.56606	136.91- 136.91	0.00
12.799	12.813	-0.014	352330	0.50000	0.55451	140.00- 140.00	0.00
13.854	13.872	-0.018	321430	0.50000	0.56178	128.33- 128.33	0.00
		Average of Peak Amounts =			0.56034		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100343.D
Date : 10-NOV-2010 16:01
Client ID:
Sample Info: M1660,10260.B

Instrument: gc14.i

Operator:
Column diameter: 0.53

Column phase: MR-1



PCB
QC DATA

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: C0J210496 **Work Order #...:** L83WC1AA **Matrix.....:** SOLID
MB Lot-Sample #: C0J260000-055

Prep Date.....: 10/26/10 **Analysis Time..:** 15:04
Analysis Date..: 11/10/10 **Prep Batch #...:** 0299055 **Final Wgt/Vol..:** 10 mL
Dilution Factor: 1 **Initial Wgt/Vol:** 15 g **Instrument ID..:** S/T
Analyst ID.....: 402360

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	17	ug/kg	SW846 8082
Aroclor 1221	ND	17	ug/kg	SW846 8082
Aroclor 1232	ND	17	ug/kg	SW846 8082
Aroclor 1242	ND	17	ug/kg	SW846 8082
Aroclor 1248	ND	17	ug/kg	SW846 8082
Aroclor 1254	ND	17	ug/kg	SW846 8082
Aroclor 1260	ND	17	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	107	(35 - 140)
Decachlorobiphenyl	103	(35 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100341.D
Report Date: 10-Nov-2010 14:59

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1100341.D
Lab Smp Id: L83WC1AA Client Smp ID: PBLK9055
Inj Date : 10-NOV-2010 15:04
Operator : Inst ID: gc14.i
Smp Info : L83WC1AA,10260.B
Misc Info : C0J210496-BLK
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 10-Nov-2010 13:22 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 52 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-106

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.000	initial volume of sample
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.296	5.303	-0.007	362483	0.02132	14.213		
1 Aroclor-1221					CAS #: 11104-28-2		

Peaks not detected for Quant. or Qual. signal(s).

4 Aroclor-1016 CAS #: 12674-11-2

Peaks not detected for Quant. or Qual. signal(s).

3 Aroclor-1232 CAS #: 11141-16-5

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100341.D
Report Date: 10-Nov-2010 14:59

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		

Peaks not detected for Quant. or Qual. signal(s).

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6 Aroclor-1248 CAS #: 12672-29-6

Peaks not detected for Quant. or Qual. signal(s).

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7 Aroclor-1254 CAS #: 11097-69-1

Peaks not detected for Quant. or Qual. signal(s).

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8 Aroclor-1260 CAS #: 11096-82-5

Peaks not detected for Quant. or Qual. signal(s).

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9 Aroclor-1262 CAS #: 37324-23-5

Peaks not detected for Quant. or Qual. signal(s).

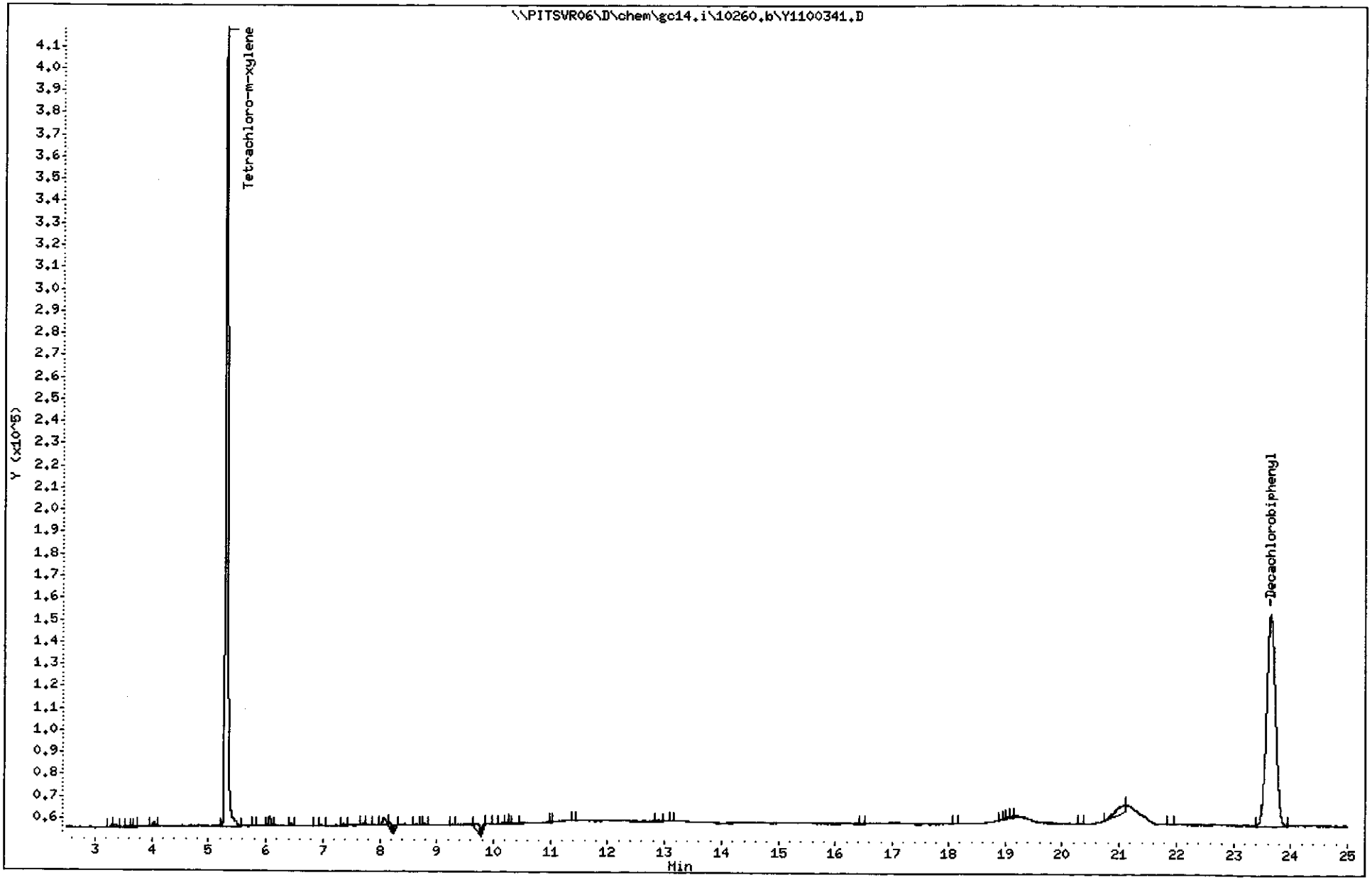
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10 Aroclor-1268 CAS #: 11100-14-4

Peaks not detected for Quant. or Qual. signal(s).

$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
23.655	23.675	-0.020	95795	0.02062	13.750		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100341.D
Date : 10-NOV-2010 15:04
Client ID: PBLK9055
Instrument: gc14.i
Sample Info: L83WC1AA,10260,B
Volume Injected (uL): 1.0
Operator:
Column phase: MR-1
Column diameter: 0.53



LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...:	C0J210496	**Work Order #...:**	L83WC1AC	**Matrix.....:**	SOLID
LCS Lot-Sample#:	C0J260000-055				
Prep Date.....:	10/26/10	**Analysis Date..:**	11/10/10		
Prep Batch #...:	0299055	**Analysis Time..:**	15:32		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	10 mL
Analyst ID.....:	402360	**Instrument ID..:**	S/T		

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**83**	**(55 - 130)**	**SW846 8082**
Aroclor 1260	**92**	**(54 - 130)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	106	(35 - 140)
Decachlorobiphenyl	101	(35 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100342.D
Report Date: 10-Nov-2010 14:59

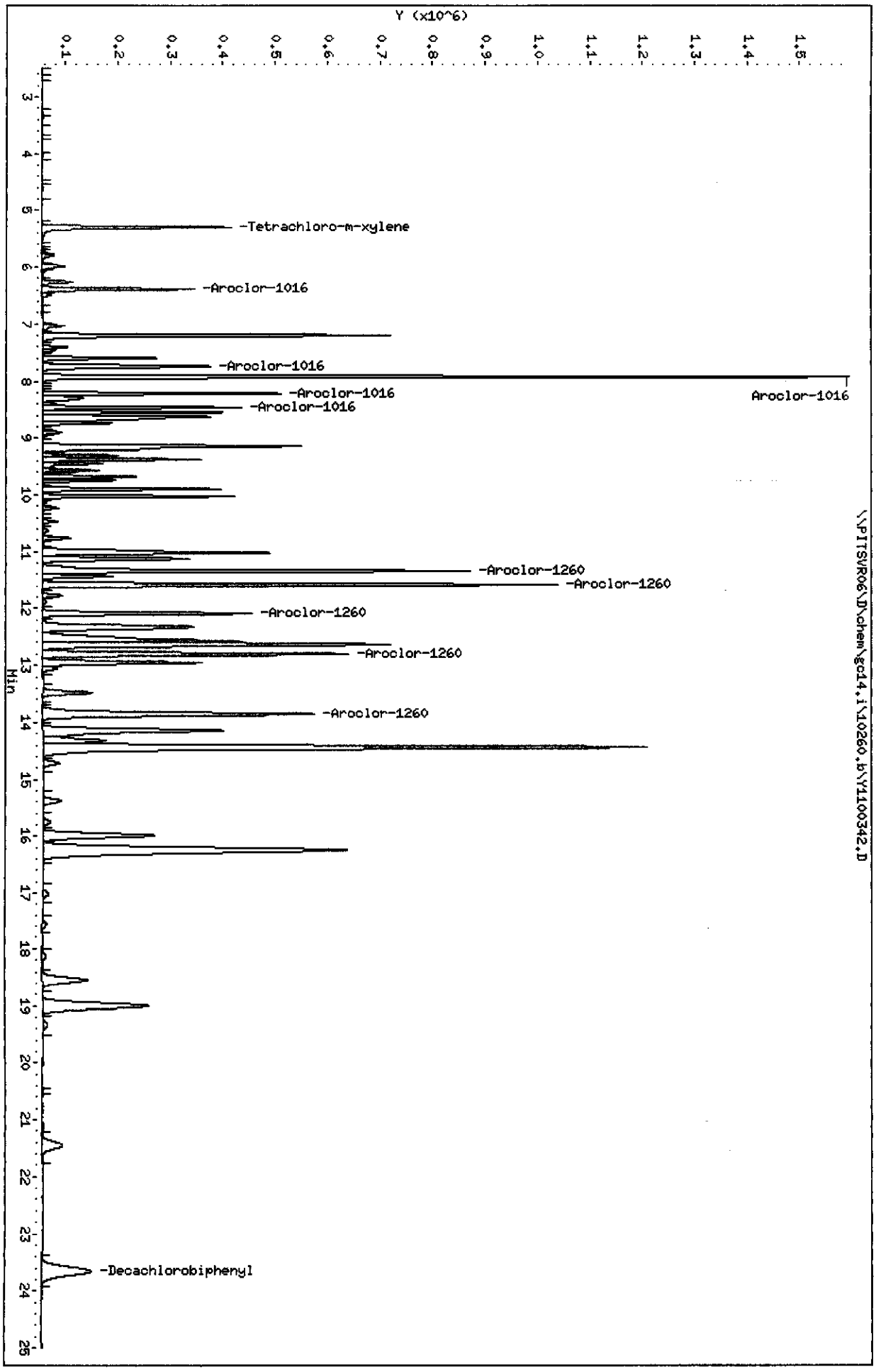
TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1100342.D
Lab Smp Id: L83WC1AC Client Smp ID: LCS9055
Inj Date : 10-NOV-2010 15:32
Operator : Inst ID: gc14.i
Smp Info : L83WC1AC,10260.B
Misc Info : C0J210496-LCS
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 10-Nov-2010 13:22 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 53 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-106

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.000	initial volume of sample
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
6.385	6.395	-0.010	290860	0.80067	533.78	0.00- 0.00	0.00
7.741	7.750	-0.009	321737	0.83147	554.31	100.00- 100.00	0.00
7.922	7.931	-0.009	1537121	0.84574	563.83	223.51- 223.51	0.00
8.218	8.228	-0.010	455049	0.83570	557.13	223.51- 223.51	0.00
8.463	8.473	-0.010	379926	0.84744	564.96	317.56- 317.56	0.00
Average of Peak Concentrations =					554.80		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.297	5.303	-0.006	359891	0.02117	14.112		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
23.660	23.675	-0.015	93391	0.02011	13.404		
8 Aroclor-1260					CAS #: 11096-82-5		
11.339	11.353	-0.014	815754	0.91364	609.09	0.00- 0.00	0.00
11.583	11.595	-0.012	980914	0.91215	608.10	115.86- 115.86	0.00
12.088	12.100	-0.012	398327	0.94433	629.55	136.91- 136.91	0.00
12.799	12.813	-0.014	582461	0.91671	611.14	140.00- 140.00	0.00
13.851	13.872	-0.021	518386	0.90601	604.00	128.33- 128.33	0.00
Average of Peak Concentrations =					612.38		


Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100342.D
Date : 10-NOV-2010 15:32
Client ID: LCS9055
Sample Info: L83WC1AC,10260.B
Volume Injected (uL): 1.0
Column phase: HR-1
Instrument: gc14.i
Operator:
Column diameter: 0.53
Y (x10^6)
Min
-Tetrachloro-m-xylene
-Aroclor-1016
-Aroclor-1016
-Aroclor-1016
-Aroclor-1016
-Aroclor-1016
Aroclor-1016
-Aroclor-1260
-Aroclor-1260
-Aroclor-1260
-Aroclor-1260
-Aroclor-1260
-Decachlorobiphenyl
\\PITSVR06\D\chem\gc14.i\10260.b\Y1100342.D

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...:	C0J210496	**Work Order #...:**	L8VLH1A8-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	C0J210496-005		L8VLH1A9-MSD		
Date Sampled...:	10/20/10	**Date Received..:**	10/21/10	**MS Run #.....:**	0299034
Prep Date.....:	10/26/10	**Analysis Date..:**	11/10/10		
Prep Batch #...:	0299055	**Analysis Time..:**	13:09		
Dilution Factor:	0.5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	63	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**74**	**(55 - 130)**			**SW846 8082**
	64	**(55 - 130)**	**15**	**(0-35)**	**SW846 8082**
Aroclor 1260	**80**	**(54 - 130)**			**SW846 8082**
	68	**(54 - 130)**	**15**	**(0-29)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	104	(35 - 140)
	82	(35 - 140)
Decachlorobiphenyl	87	(35 - 140)
	72	(35 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100337.D
Report Date: 13-Nov-2010 13:14

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1100337.D
Lab Smp Id: L8VLH1A8 Client Smp ID: SD10-32 MS
Inj Date : 10-NOV-2010 13:09
Operator : Inst ID: gc14.i
Smp Info : L8VLH1A8,10260.B
Misc Info : C0J210496-005 MS
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 12-Nov-2010 16:43 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 48 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-106

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.000	initial volume of sample
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO	
4 Aroclor-1016					CAS #: 12674-11-2			
6.384	6.389	-0.005	272829	0.75103	500.69	0.00- 0.00	0.00	
7.739	7.744	-0.005	275699	0.71249	474.99	100.00- 100.00	0.00	
7.920	7.926	-0.006	1389412	0.76447	509.64	223.51- 223.51	0.00	
8.217	8.223	-0.006	402120	0.73849	492.33	223.51- 223.51	0.00	
8.461	8.467	-0.006	336598	0.75080	500.53	317.56- 317.56	0.00	
Average of Peak Concentrations =					495.64			
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.297	5.299	-0.002	354469	0.02085	13.899			
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3			
23.644	23.669	-0.025	80975	0.01743	11.622			(M)
8 Aroclor-1260					CAS #: 11096-82-5			
11.339	11.344	-0.005	713849	0.79951	533.00	0.00- 0.00	0.00	
11.579	11.586	-0.007	876912	0.81544	543.63	115.86- 115.86	0.00	
12.084	12.093	-0.009	353573	0.83823	558.82	136.91- 136.91	0.00	
12.794	12.803	-0.009	508556	0.80039	533.59	140.00- 140.00	0.00	
13.844	13.858	-0.014	463972	0.81091	540.60	128.33- 128.33	0.00	
Average of Peak Concentrations =					541.93			

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100337.D
Report Date: 13-Nov-2010 13:14

QC Flag Legend

M - Compound response manually integrated.

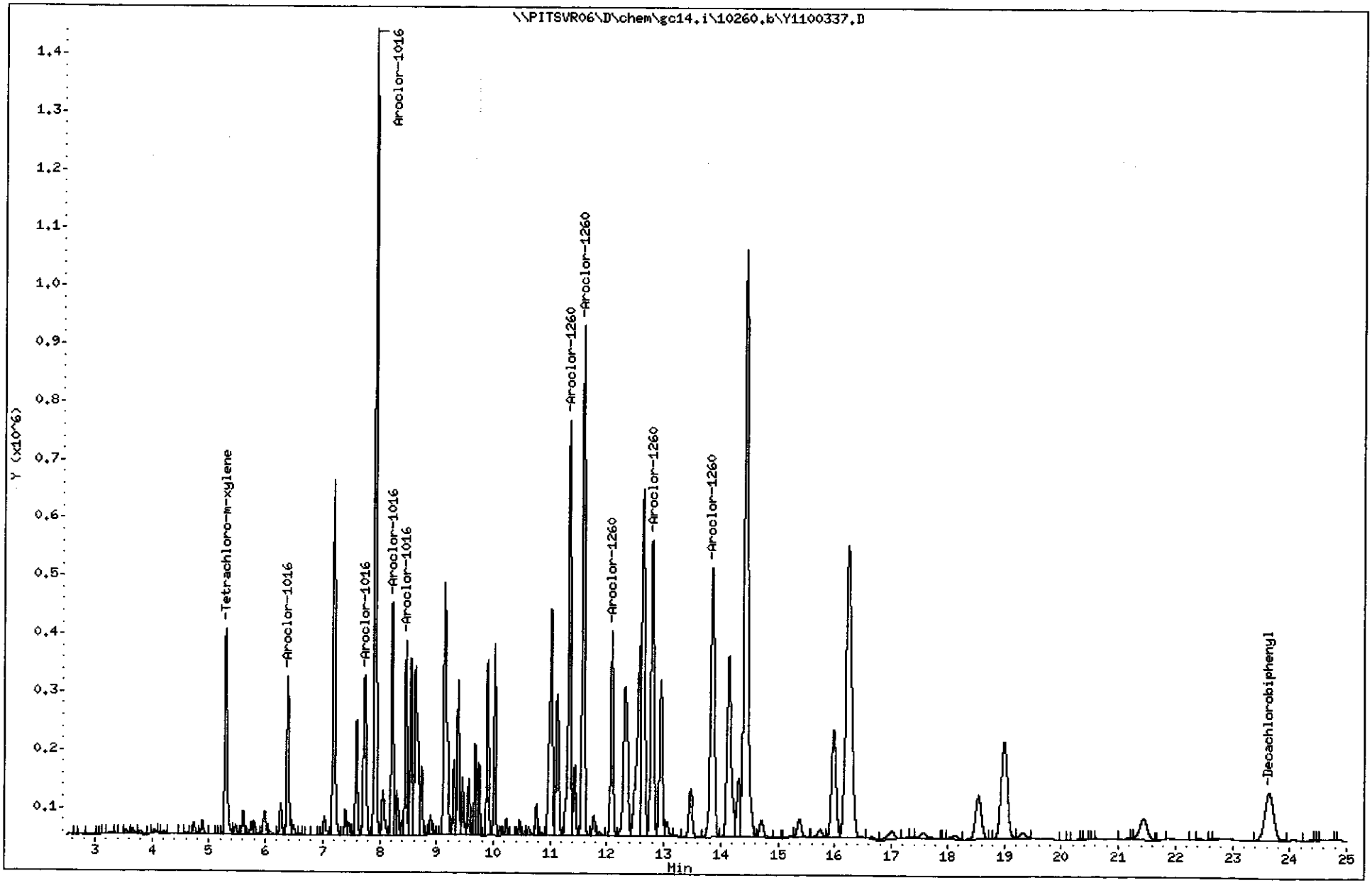
Data File: \\PITSVR06\D\chem\gci4.i\10260.b\Y1100337.D
Report Date: 13-Nov-2010 13:14

QC Flag Legend

M - Compound response manually integrated.

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100337.D
Date : 10-NOV-2010 13:09
Client ID: SD10-32 MS
Sample Info: L8VLH1A8,10260,B
Volume Injected (uL): 1.0
Column phase: MR-1

Instrument: gc14.i
Operator:
Column diameter: 0.53

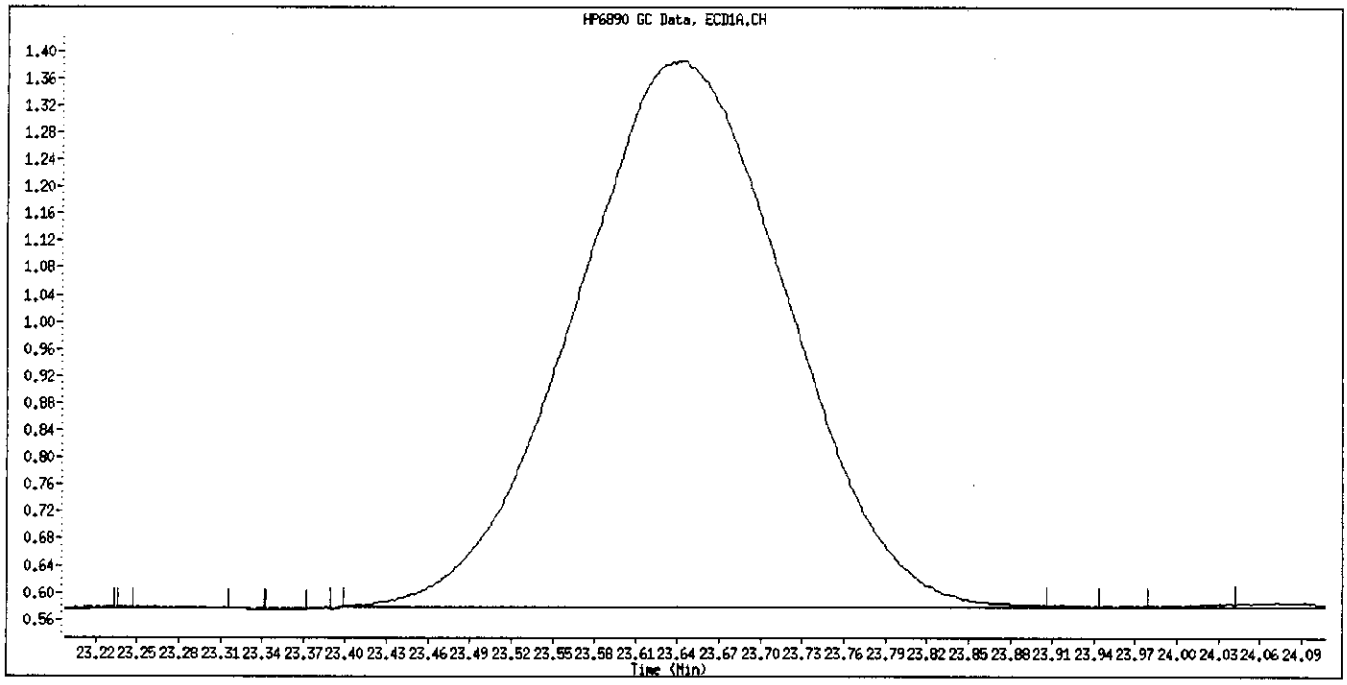


(2001 - 2148)

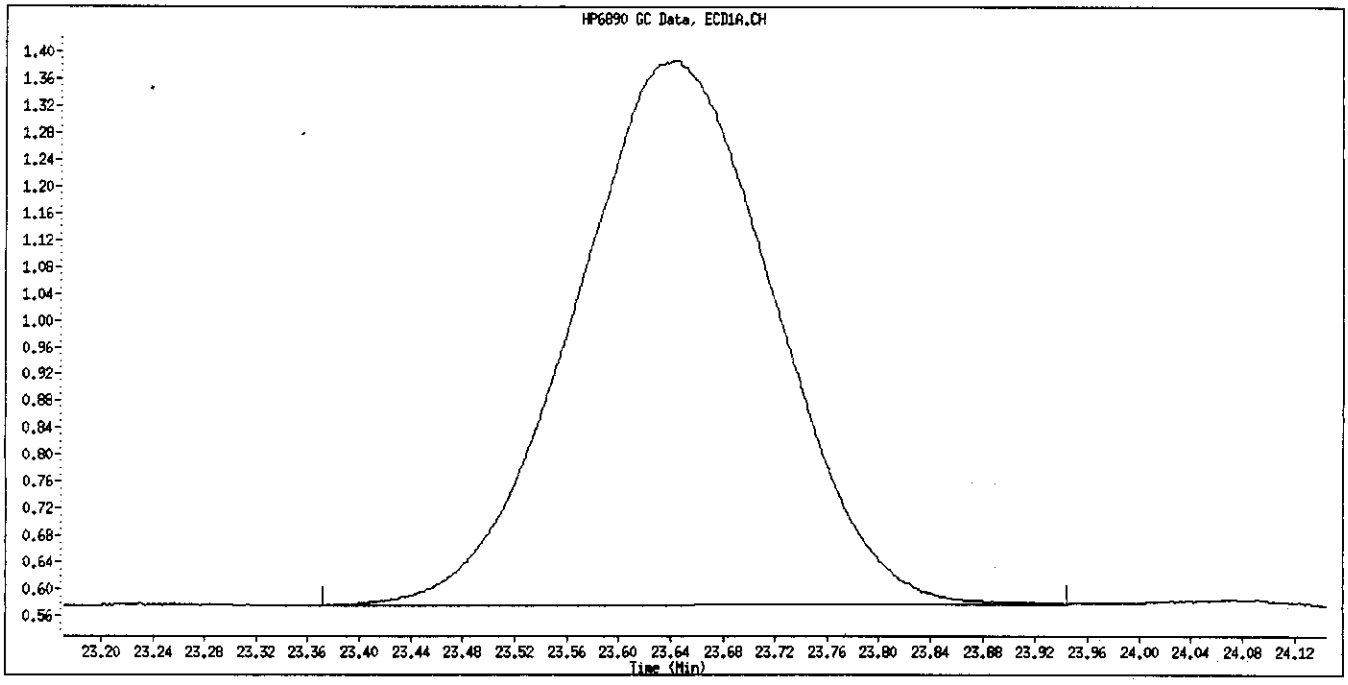
2130

C0J210496

Data File Name: Y1100337.D
Inj. Date and Time: 10-NOV-2010 13:09
Instrument ID: gc14.i
Client ID: SD10-32 MS
Compound Name: Decachlorobiphenyl
CAS #: 2051-24-3



Original Integration



Manual Integration

Manually Integrated By: guptaa
Manual Integration Reason: Analyte not Identified by the Data System

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100338.D
Report Date: 10-Nov-2010 13:23

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc14.i\10260.b\Y1100338.D
Lab Smp Id: L8VLH1A9 Client Smp ID: SD10-32 MSD
Inj Date : 10-NOV-2010 13:38
Operator : Inst ID: gc14.i
Smp Info : L8VLH1A9,10260.B
Misc Info : C0J210496-005 MSD
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc14.i\10260.b\PCBA.m
Meth Date : 10-Nov-2010 13:22 gc14.i Quant Type: ESTD
Cal Date : 27-OCT-2010 01:21 Cal File: Y1001016.D
Als bottle: 49 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-106

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.000	initial volume of sample
Cpnd Variable		Local Compound Variable

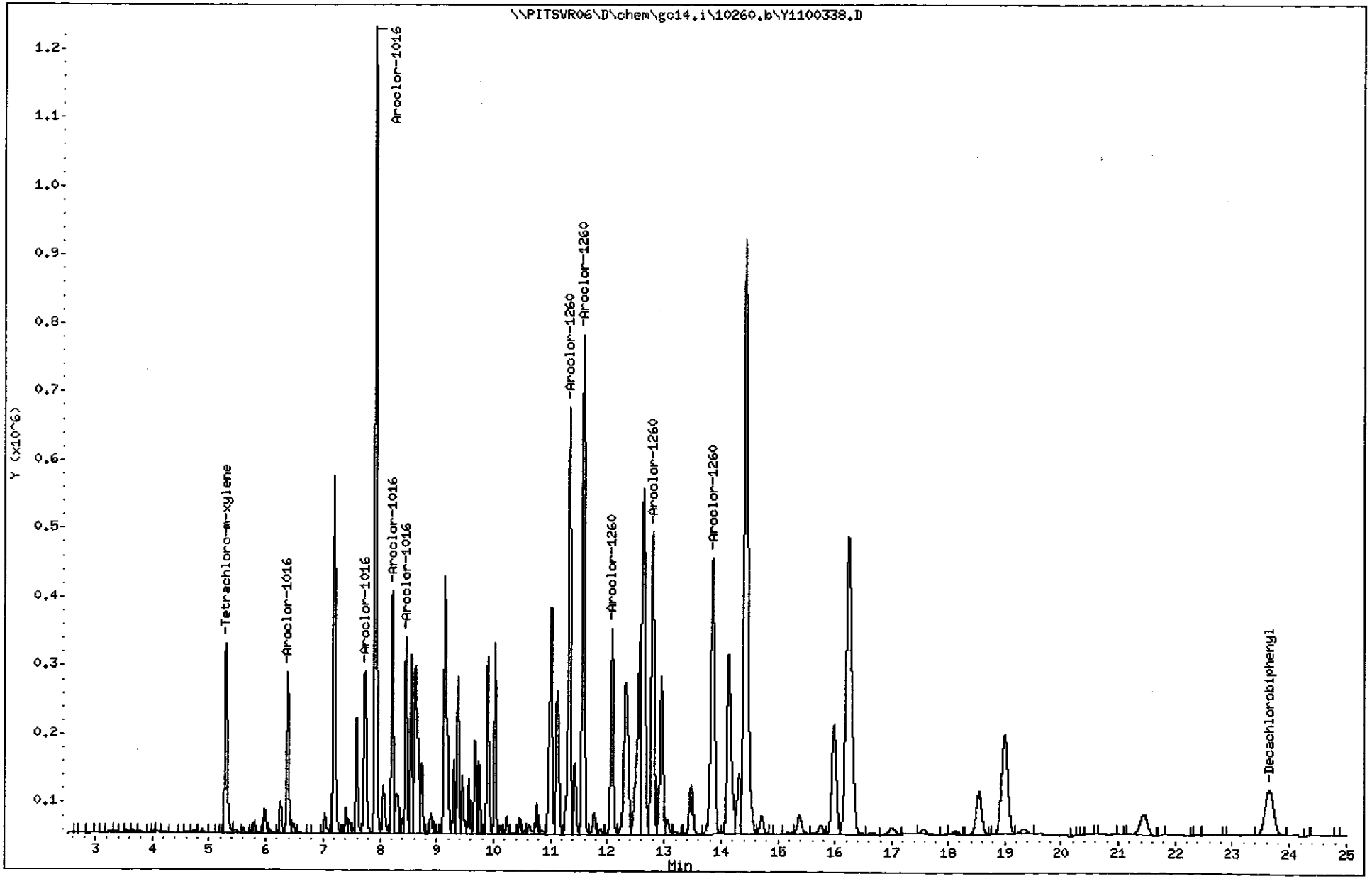
				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
6.385	6.395	-0.010	236783	0.65181	434.54	0.00- 0.00	0.00(M)
7.740	7.750	-0.010	238093	0.61531	410.20	100.00- 100.00	0.00
7.921	7.931	-0.010	1177884	0.64808	432.06	223.51- 223.51	0.00
8.217	8.228	-0.011	355142	0.65222	434.81	223.51- 223.51	0.00
8.462	8.473	-0.011	287127	0.64045	426.97	317.56- 317.56	0.00
Average of Peak Concentrations =					427.72		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.295	5.303	-0.008	277316	0.01631	10.874		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
23.648	23.675	-0.027	66803	0.01438	9.5883		
8 Aroclor-1260					CAS #: 11096-82-5		
11.338	11.353	-0.015	622712	0.69743	464.96	0.00- 0.00	0.00(M)
11.580	11.595	-0.015	727317	0.67633	450.89	115.86- 115.86	0.00
12.085	12.100	-0.015	300170	0.71163	474.42	136.91- 136.91	0.00
12.795	12.813	-0.018	440451	0.69320	462.14	140.00- 140.00	0.00
13.848	13.872	-0.024	402549	0.70355	469.04	128.33- 128.33	0.00
Average of Peak Concentrations =					464.29		

Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100338.D
Report Date: 10-Nov-2010 13:23

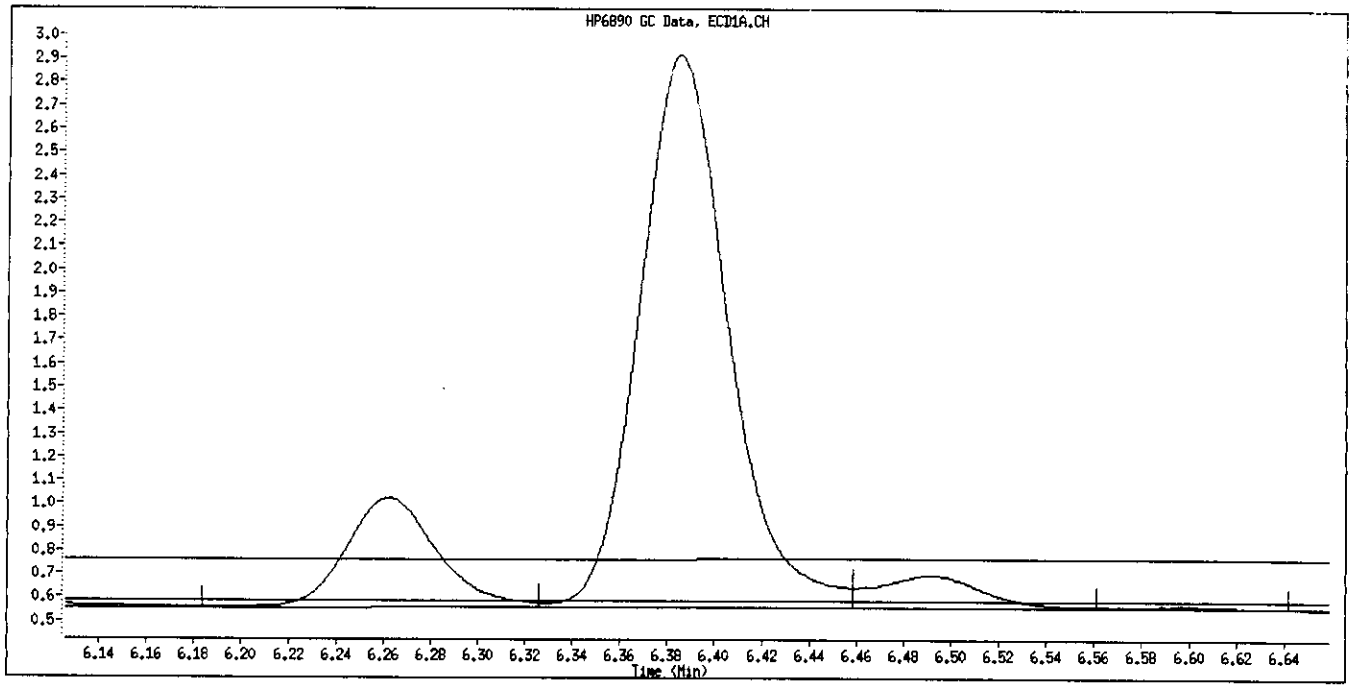
QC Flag Legend

M - Compound response manually integrated.

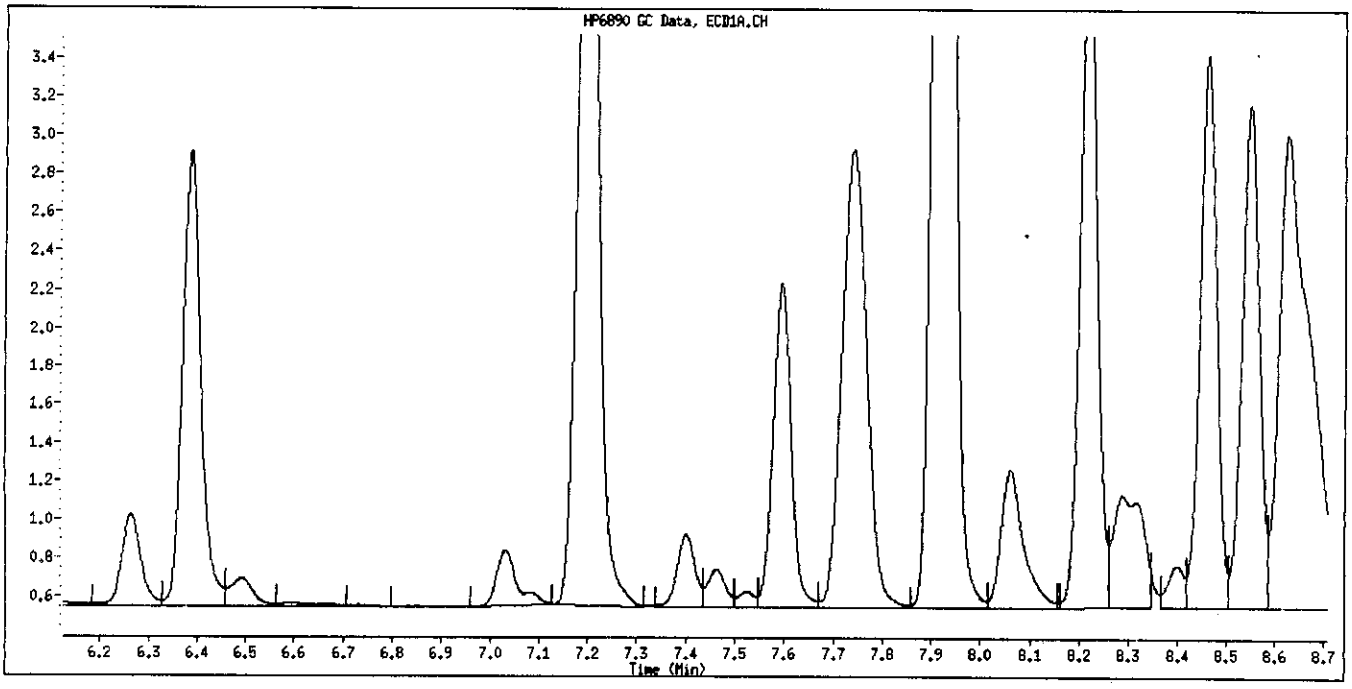
Data File: \\PITSVR06\D\chem\gc14.i\10260.b\Y1100338.D
Date : 10 Nov 2010 13:38
Client ID: SD10-32 MSD
Instrument: gc14.i
Sample Info: L8VLH1A9,10260,B
Volume Injected (uL): 1.0
Operator:
Column phase: MR-1
Column diameter: 0.53



Data File Name: Y1100338.D
Inj. Date and Time: 10-NOV-2010 13:38
Instrument ID: gc14.i
Client ID: SD10-32 MSD
Compound Name: Aroclor-1016
CAS #: 12674-11-2



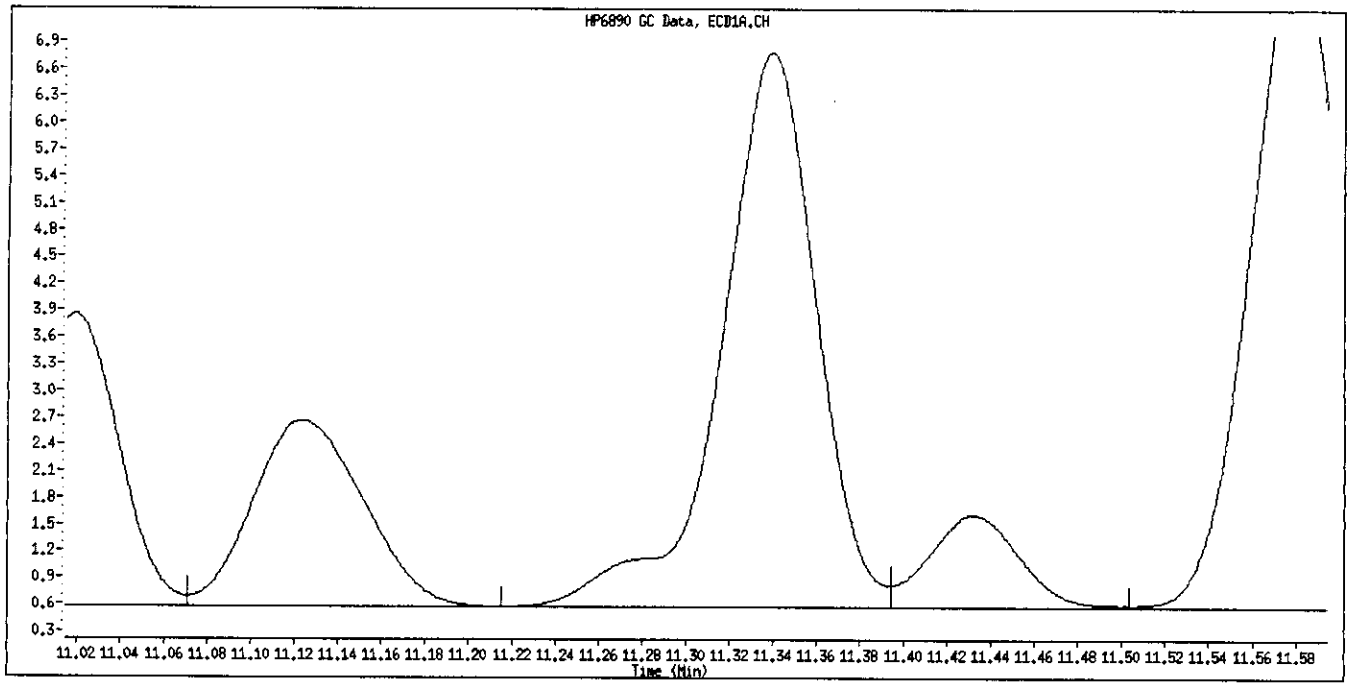
Original Integration



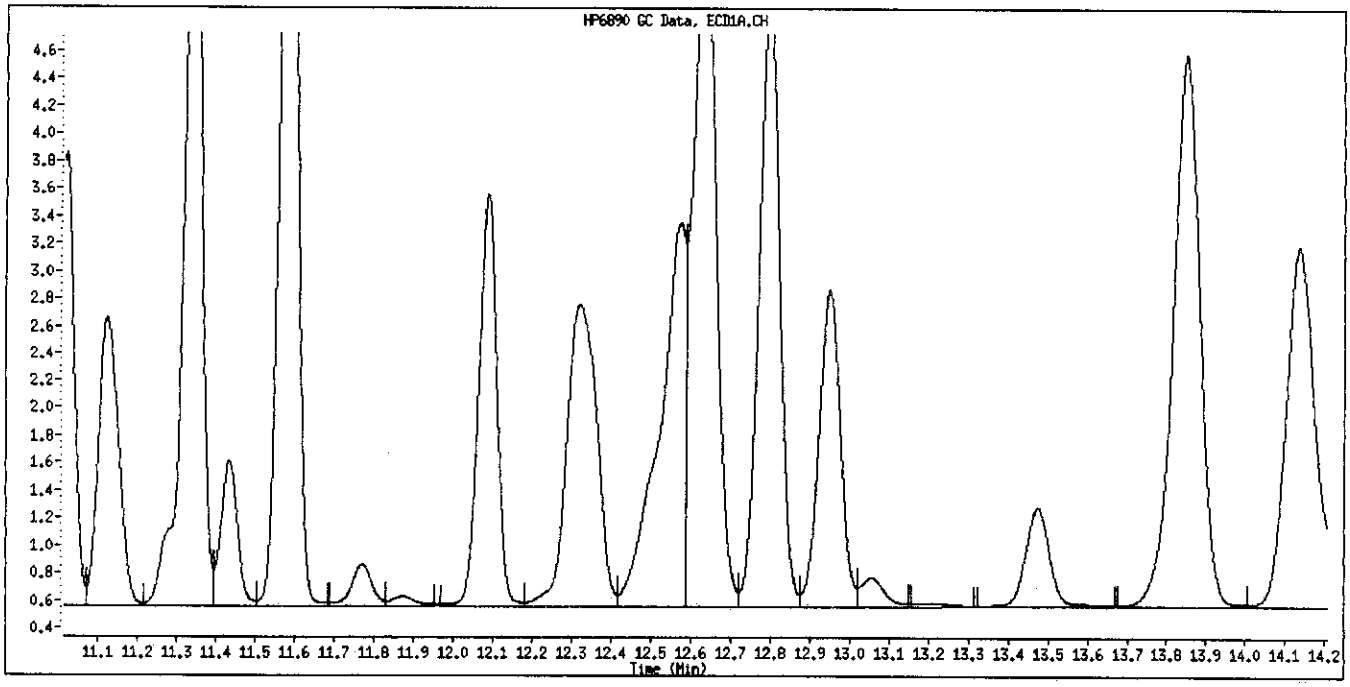
Manual Integration

Manually Integrated By: guptaa
Manual Integration Reason: Poor Chromatography

Data File Name: Y1100338.D
Inj. Date and Time: 10-NOV-2010 13:38
Instrument ID: gc14.i
Client ID: SD10-32 MSD
Compound Name: Aroclor-1260
CAS #: 11096-82-5



Original Integration



Manual Integration

Manually Integrated By: guptaa
Manual Integration Reason: Poor Chromatography

PCB
MISCELLANEOUS

1119 Batch # 0299255

Soxtherm Extraction Worksheet

TestAmerica Pittsburgh Baker
Logbook ID: OP3696 OP0198-10

Start Date/Time	Date Completed	Parameter	Method	Solvent	Solvent Lot	Solvent Mfg	GPC Number
10-26-10 0645	10-26-10	PCB (8082)	Soxtherm	Hexane/Acetone	OP0151-10	Baker	N/A

	Lot Number	Sample ID	Sample Weight (g)	Final Volume (mL)	Surrogate #	Surr Vol (mL)	Matrix Spike Lot #	MS Vol (mL)	GPC Date
1.	C0J210496	BLK	15.0,	10.0	GC0480-10	250ul	N/A	N/A	N/A
2.		LCS	15.0,				GC0693-10	250ul	
3.		MS-005	15.0,				↓	↓	
4.		MSD-005	15.0,				GC0693-10	250ul	
5.		001	15.2,				N/A	N/A	
6.		002	15.0,						
7.		003	15.1,						
8.		004	15.0,						
9.		005	15.0,						
10.		006	15.2,		GC0480-10	250ul			
11.									
12.									
13.									
14.									
15.									
16.									
17.									
18.									
19.									
20.									
21.									
22.									
23.									
24.									
Analyst:	KG	KG	KG	B.P.	JM	JM	JM	JM	KG

KG 10-26-10

Extract(s) (record line # from above)	Date	Time	Extract(s) Received	Analyst	Location	Date	Time	Extract(s) Relinquished	Analyst	Location
All Above	10-26-10	0950	Brian A. Pine	Org. Prep.		10-26-10		Brian A. Pine		RT04-GC
all extract	10-30-10	1430	E. Jennings			10-30-10	1430	E. Jennings		GC

Start Temp: End Temp: (+/- 5%)

Sodium Sulfate Mfg/Lot Number: Baker/OP0195-10

Magnesium Sulfate Mfg/Lot Number: Baker/OP0199-10

N2 Blow Down Temp: 32°

Comments:

Reviewed by: Brian A. Pine Date: 10-26-10

Balance ID: 1120122641

Cleanups | TBA: GC0490-10 | H2SO4: 1:1

Carboprep:

printed on: 01-Oct-10 5:13:20 AM

v2.06/16/2005

(2001 - 2148)

2138

C0J210496

Sequence: C:\HPCHEM\1\SEQUENCE\Y10260.S

Sequence Table (Front Injector):

Vial Information Part:

Line	Vial	Vial Information	
1	1	8082 PCB ANALYSIS	
2	2	GC0447-10	0.01 UG/ML
3	3	GC0447-10	0.10 UG/ML
4	4	GC0447-10	0.25 UG/ML
5	5	GC0447-10	0.50 UG/ML
6	6	GC0447-10	1.0 UG/ML
7	7	GC0445-10	
8	8	GC0446-10	
9	9	GC0451-10	
10	10	GC0449-10	
11	11	GC0450-10	
12	12	GC0782-10	
13	13	GC0783-10	
14	14	GC0784-10	
15	15	GC0785-10	
16	16	GC0786-10	
17	17	GC0787-10	
18	18	GC0788-10	
19	19	GC0861-10	
20	20	GC0862-10	
21	21	GC0863-10	
22	22	GC0864-10	
23	23	GC0865-10	
24	24	GC0866-10	
25	25	GC0867-10	
26	26	C0I030421-001	10X
27	27	C0I030421-002	10X
28	28	C0I030421-003	10X
29	29	C0I030421-004	10X
30	30	C0I030421-005	10X

Y1001000

1005

1010

1016

1023

1028

Y10260.PDF

Ace 10-26-2010

HP6890 Col-14

MR-1

EPA 608

Aroclor 1016, 1260 and 1242

11-1-10

1029	31	31	C0I030421-006	10X	
	32	32	C0I030421-007	10X	
	33	33	C0I030421-008	10X	
	34	34	C0I030421-009	10X	
	35	35	C0I030421-010	10X	
	36	36	C0I030421-011	10X	
1035	37	37	C0H200623-001	10X	
	38	38	C0H200623-002	10X	
	39	39	C0H200623-003	10X	
	40	40	C0H200623-004	10X	
	41	41	C0H200623-005	10X	
1040	42	42	C0H200623-005	10X	MS
	43	43	C0H200623-005	10X	MSD
	44	44	C0H200623-BLK		
	45	45	C0H200623-LCS		
1044	46	46	GC0786-10		
	47	47	C0J190451-001		
	48	48	C0J190451-002		
	49	49	C0J190451-003		
	50	50	C0J190451-004		
	51	51	C0J190451-005		
1050	52	52	C0J190451-006		
	53	53	C0J190451-007		
	54	54	C0J190451-007	MS	
	55	55	C0J190451-007	MSD	
	56	56	C0J190451-008		
	57	57	C0J190451-009		
1056	58	58	C0J190451-010		
	59	59	C0J190451-011		
	60	60	C0J190451-012		
	61	61	C0J190451-013		
	62	62	C0J190451-014		
	63	63	8082 PCB ANALYSIS		
1062	64	64	C0J190451-BLK		

Sequence: C:\HPCHEM\1\SEQUENCE\Y10260.S

Line	Vial	Vial Information
1063 65	65	C0J190451-LCS
1064 66	66	GC0786-10
67	1	8082 PCB ANALYSIS

Method and Injection Info Part:

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	1	HEXANE	PCB1	2	Sample		
2	2	M1242,10260.B	PCB1	1	Sample		
3	3	M1242,10260.B	PCB1	1	Sample		
4	4	M1242,10260.B	PCB1	1	Sample		
5	5	M1242,10260.B	PCB1	1	Sample		
6	6	M1242,10260.B	PCB1	1	Sample		
7	7	M2154,10260.B	PCB1	1	Sample		
8	8	M1232,10260.B	PCB1	1	Sample		
9	9	M1248,10260.B	PCB1	1	Sample		
10	10	M1262,10260.B	PCB1	1	Sample		
11	11	M1268,10260.B	PCB1	1	Sample		
12	12	XL1660,10260.B	PCB1	1	Sample		
13	13	L1660,10260.B	PCB1	1	Sample		
14	14	ML1660,10260.B	PCB1	1	Sample		
15	15	M1660,10260.B	PCB1	1	Sample		
16	16	MH1660,10260.B	PCB1	1	Sample		
17	17	H1660,10260.B	PCB1	1	Sample		
18	18	XH1660,10260.B	PCB1	1	Sample		
19	19	2M2154,10260.B	PCB1	1	Sample		
20	20	2M1232,10260.B	PCB1	1	Sample		
21	21	2M1242,10260.B	PCB1	1	Sample		
22	22	2M1248,10260.B	PCB1	1	Sample		
23	23	2M1262,10260.B	PCB1	1	Sample		
24	24	2M1268,10260.B	PCB1	1	Sample		
25	25	2M1660,10260.B	PCB1	1	Sample		
26	26	L6HG81AC,10260.B	PCB1	1	Sample		
27	27	L6HHE1AC,10260.B	PCB1	1	Sample		
28	28	L6HHF1AC,10260.B	PCB1	1	Sample		
29	29	L6HHH1AC,10260.B	PCB1	1	Sample		
30	30	L6HHJ1AC,10260.B	PCB1	1	Sample		
31	31	L6HHL1AC,10260.B	PCB1	1	Sample		
32	32	L6HHM1AC,10260.B	PCB1	1	Sample		
33	33	L6HHP1AC,10260.B	PCB1	1	Sample		
34	34	L6HHR1AC,10260.B	PCB1	1	Sample		
35	35	L6HHW1AC,10260.B	PCB1	1	Sample		
36	36	L6HHX1AC,10260.B	PCB1	1	Sample		
37	37	L5XWJ1AC,10260.B	PCB1	1	Sample		
38	38	L5XWK1AC,10260.B	PCB1	1	Sample		
39	39	L5XWL1AC,10260.B	PCB1	1	Sample		
40	40	L5XWM1AC,10260.B	PCB1	1	Sample		
41	41	L5XWN1AC,10260.B	PCB1	1	Sample		
42	42	L5XWN1AH,10260.B	PCB1	1	Sample		
43	43	L5XWN1AJ,10260.B	PCB1	1	Sample		
44	44	L8LEM1AA,10260.B	PCB1	1	Sample		
45	45	L8LEM1AC,10260.B	PCB1	1	Sample		
46	46	MH1660,10260.B	PCB1	1	Sample		
47	47	L8PGD1AA,10260.B	PCB1	1	Sample		
48	48	L8PGF1AA,10260.B	PCB1	1	Sample		
49	49	L8PGG1AA,10260.B	PCB1	1	Sample		
50	50	L8PGH1AA,10260.B	PCB1	1	Sample		
51	51	L8PGJ1AA,10260.B	PCB1	1	Sample		
52	52	L8PGL1AA,10260.B	PCB1	1	Sample		
53	53	L8PGM1AA,10260.B	PCB1	1	Sample		
54	54	L8PGM1AC,10260.B	PCB1	1	Sample		

Sequence: C:\HPCHEM\1\SEQUENCE\Y10260.S

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
55	55	L8PGM1AD,10260.B	PCB1	1	Sample		
56	56	L8PGN1AA,10260.B	PCB1	1	Sample		
57	57	L8PGP1AA,10260.B	PCB1	1	Sample		
58	58	L8PGQ1AA,10260.B	PCB1	1	Sample		
59	59	L8PGR1AA,10260.B	PCB1	1	Sample		
60	60	L8PGT1AA,10260.B	PCB1	1	Sample		
61	61	L8PG01AA,10260.B	PCB1	1	Sample		
62	62	L8PG11AA,10260.B	PCB1	1	Sample		
63	63	HEXANE	PCB1	1	Sample		
64	64	L8QGK1AA,10260.B	PCB1	1	Sample		
65	65	L8QGK1AC,10260.B	PCB1	1	Sample		
66	66	MH1660,10260.B	PCB1	1	Sample		
67	1	HEXANE	PCB1	10	Sample		

Sequence Table (Back Injector):

No entries - empty table!

Sequence Table (Front Injector):

Vial Information Part:

Y10260.PDF

AC 11-08-2010
HP6890 GC-14
MR-1

Line	Vial	Vial Information	
1	1	8082 PCB ANALYSIS	Y1100261
2	2	GC0966-10	
3	3	GC0967-10	
4	4	GC0968-10	
5	5	GC0969-10	
6	6	GC0970-10	
7	7	GC0971-10	
267 8	8	GC0785-10	
9	9	C0K060429-001	
10	10	C0K060429-002	
11	11	C0K060429-003	
271 12	12	C0K060429-004	
13	13	C0K060429-BLK	
14	14	C0K060429-LCS	
15	15	C0K060429-LCSD	
16	16	C0K060429-005	
276 17	17	C0K060429-BLK	
18	18	C0K060429-LCS	
19	19	C0K060429-LCSD	
279 20	20	GC0786-10	
21	21	~~C0K030591-001~~	
22	22	~~C0K030591-002~~	
23	23	~~C0K030591-003~~	
24	24	C0K060429-001 ~~20X~~ 50X da 11/9/10	
25	25	8082 PCB ANALYSIS	
285 26	26	GC0786-10	
27	1	8082 PCB ANALYSIS	

Method and Injection Info Part:

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	1	HEXANE	PCB1	6	Sample		
2	2	M2154,10260.B	PCB1	1	Sample		
3	3	M1232,10260.B	PCB1	1	Sample		
4	4	M1242,10260.B	PCB1	1	Sample		
5	5	M1248,10260.B	PCB1	1	Sample		
6	6	M1262,10260.B	PCB1	1	Sample		
7	7	M1268,10260.B	PCB1	1	Sample		
8	8	M1660,10260.B	PCB1	1	Sample		
9	9	L9M3H1AA,10260.B	PCB1	1	Sample		
10	10	L9M3J1AA,10260.B	PCB1	1	Sample		
11	11	L9M3K1AA,10260.B	PCB1	1	Sample		
12	12	L9M3L1AA,10260.B	PCB1	1	Sample		
13	13	L9NAL1AA,10260.B	PCB1	1	Sample		
14	14	L9NAL1AC,10260.B	PCB1	1	Sample		
15	15	L9NAL1AD,10260.B	PCB1	1	Sample		
16	16	L9M3M1AA,10260.B	PCB1	1	Sample		
17	17	L9NEE1AA,10260.B	PCB1	1	Sample		
18	18	L9NEE1AC,10260.B	PCB1	1	Sample		
19	19	L9NEE1AD,10260.B	PCB1	1	Sample		
20	20	MH1660,10260.B	PCB1	1	Sample		
21	21	L8HPD1AT,10260.B	PCB1	1	Sample		
22	22	L8HPE1AT,10260.B	PCB1	1	Sample		
23	23	L8HPG1AT,10260.B	PCB1	1	Sample		
24	24	L9M3H1AA,10260.B	PCB1	1	Sample		
25	25	HEXANE	PCB1	1	Sample		
26	26	M1660,10260.B	PCB1	1	Sample		
27	1	HEXANE	PCB1	10	Sample		

Sequence Table (Back Injector):

No entries - empty table!

C0J210496 2144 (2001 - 2148)

Sequence: C:\HPCHEM\1\SEQUENCE\Y11090.S

Sequence Table (Front Injector):

Vial Information Part:

Y10260.PDF
AG 11-09-2010
HP6890 GC-14
MR-1

	Line	Vial	Vial Information
Y11002	1	1	8082 PCB ANALYSIS
90	2	2	GC0785-10
	3	3	C0K030591-001 20X
	4	4	C0K030591-002 20X
	5	5	C0K030591-003 20X
	6	6	C0K030591-BLK
295	7	7	C0K030591-LCS
	8	8	C0K030591-LCSD
	9	9	C0J300436-001
	10	10	C0J300436-002
	11	11	C0J300436-002 MS
300	12	12	C0J300436-002 MSD
	13	13	C0K030424-001
	14	14	C0K030424-002
	15	15	C0K030424-003
	16	55	C0J230441-001 100X
305	17	16	8082 PCB ANALYSIS
	18	17	C0K030424-BLK
	19	18	C0K030424-LCS
308	20	19	GC0786-10
	21	20	C0K040566-001
	22	21	C0K040566-002
	23	22	C0K040566-003
	24	23	C0K040566-004
	25	24	C0K040566-005
	26	25	C0K040566-006
315	27	26	C0K040566-007
	28	27	C0K040566-008
	29	28	C0K030450-001
318	30	29	C0K030450-BLK

319	31	30	C0K030450-LCS
	32	31	C0K030450-LCSD
321	33	32	GC0785-10
	34	33	C0J290538-001
	35	34	C0J290538-003
	36	35	C0J290538-005
325	37	36	C0J290538-007
	38	37	C0J290538-009
	39	38	C0J290538-011
	40	39	C0J290538-013
	41	40	C0J290538-BLK
330	42	41	C0J290538-LCS
	43	42	C0J290538-LCSD
	44	43	C0J210496-001
	45	44	C0J210496-002
	46	45	C0J210496-003
335	47	46	C0J210496-004
	48	47	C0J210496-005
	49	48	C0J210496-005 MS
	50	49	C0J210496-005 MSD
	51	50	C0J210496-006
340	52	51	8082 PCB ANALYSIS
	53	52	C0J210496-BLK
	54	53	C0J210496-LCS
343	55	54	GC0785-10
	56	1	8082 PCB ANALYSIS

Method and Injection Info Part:

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	1	HEXANE	PCB1	2	Sample		
2	2	M1660,10260.B	PCB1	1	Sample		
3	3	K9HPD1AT,10260.B	PCB1	1	Sample		
4	4	K9HPE1AT,10260.B	PCB1	1	Sample		
5	5	K9HPG1AT,10260.B	PCB1	1	Sample		
6	6	L9MRW1AA,10260.B	PCB1	1	Sample		
7	7	L9MRW1AC,10260.B	PCB1	1	Sample		
8	8	L9MRW1AD,10260.B	PCB1	1	Sample		
9	9	L9C001A7,10260.B	PCB1	1	Sample		
10	10	L9C011A1,10260.B	PCB1	1	Sample		
11	11	L9C011A2,10260.B	PCB1	1	Sample		

Sequence: C:\HPCHEM\1\SEQUENCE\Y11090.S

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
12	12	L9C011A3,10260.B	PCB1	1	Sample		
13	13	L9GHF1AV,10260.B	PCB1	1	Sample		
14	14	L9GHN1AV,10260.B	PCB1	1	Sample		
15	15	L9GHQ1AV,10260.B	PCB1	1	Sample		
16	55	L81WR1AE,10260.B	PCB1	1	Sample		
17	16	HEXANE	PCB1	1	Sample		
18	17	L9NAK1AA,10260.B	PCB1	1	Sample		
19	18	L9NAK1AC,10260.B	PCB1	1	Sample		
20	19	MH1660,10260.B	PCB1	1	Sample		
21	20	L9J751AT,10260.B	PCB1	1	Sample		
22	21	L9J8X1AT,10260.B	PCB1	1	Sample		
23	22	L9J831AT,10260.B	PCB1	1	Sample		
24	23	L9J841AT,10260.B	PCB1	1	Sample		
25	24	L9J881AT,10260.B	PCB1	1	Sample		
26	25	L9J891AT,10260.B	PCB1	1	Sample		
27	26	L9J9C1AT,10260.B	PCB1	1	Sample		
28	27	L9J9D1AT,10260.B	PCB1	1	Sample		
29	28	L9GPX1AP,10260.B	PCB1	1	Sample		
30	29	L9J811AA,10260.B	PCB1	1	Sample		
31	30	L9J811AC,10260.B	PCB1	1	Sample		
32	31	L9J811AD,10260.B	PCB1	1	Sample		
33	32	M1660,10260.B	PCB1	1	Sample		
34	33	L9A6E1AA,10260.B	PCB1	1	Sample		
35	34	L9A6T1AA,10260.B	PCB1	1	Sample		
36	35	L9A6W1AA,10260.B	PCB1	1	Sample		
37	36	L9A611AA,10260.B	PCB1	1	Sample		
38	37	L9A681AA,10260.B	PCB1	1	Sample		
39	38	L9A7C1AA,10260.B	PCB1	1	Sample		
40	39	L9A7E1AA,10260.B	PCB1	1	Sample		
41	40	L9CPT1AA,10260.B	PCB1	1	Sample		
42	41	L9CPT1AC,10260.B	PCB1	1	Sample		
43	42	L9CPT1AD,10260.B	PCB1	1	Sample		
44	43	L8VKP1AC,10260.B	PCB1	1	Sample		
45	44	L8VKW1AC,10260.B	PCB1	1	Sample		
46	45	L8VK81AH,10260.B	PCB1	1	Sample		
47	46	L8VLA1AD,10260.B	PCB1	1	Sample		
48	47	L8VLH1AL,10260.B	PCB1	1	Sample		
49	48	L8VLH1A8,10260.B	PCB1	1	Sample		
50	49	L8VLH1A9,10260.B	PCB1	1	Sample		
51	50	L8VLJ1AU,10260.B	PCB1	1	Sample		
52	51	HEXANE	PCB1	1	Sample		
53	52	L83WC1AA,10260.B	PCB1	1	Sample		
54	53	L83WC1AC,10260.B	PCB1	1	Sample		
55	54	M1660,10260.B	PCB1	1	Sample		
56	1	HEXANE	PCB1	10	Sample		

Sequence Table (Back Injector):

Vial Information Part:

Line	Vial	Vial Information
1	76	8082 PCB ANALYSIS

Method and Injection Info Part:

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	76	HEXANE	PCB1	2	Sample		

REQUESTED BY: GEHRINK

METHOD: QH PCBs (8082)

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD
11B	L8RR4-1-AD	___ ___ ___	903439	432260	A-4F-QH	C0J200511	001		SOLID	0	2 1
11B	L8RTE-1-AD	___ ___ ___	903440	432260	A-4F-QH	C0J200511	002		SOLID	0	2 1
11B	L8RTG-1-AD	___ ___ ___	903441	432260	A-4F-QH	C0J200511	003		SOLID	0	2 1
11B CLP1	L8R38-1-A0	___ ___ ___	903436	007907	A-4F-QH	C0J200539	001		SOLID	0	10 1
11B CLP1	L8R4D-1-AA	___ ___ ___	903437	007907	A-4F-QH	C0J200539	002		SOLID	0	30 1
11B CLP1	L8R4E-1-AA	___ ___ ___	903438	007907	A-4F-QH	C0J200539	003		SOLID	0	10 1
12B	L8VKP-1-AC	___ ___ ___	903442	356280	A-4F-QH	C0J210496	001		SOLID	0	1 1
12B	L8VKW-1-AC	___ ___ ___	903443	356280	A-4F-QH	C0J210496	002		SOLID	0	1 1
12B	L8VK8-1-AH	___ ___ ___	903444	356280	A-4F-QH	C0J210496	003		SOLID	0	1 1
12B	L8VLA-1-AD	___ ___ ___	903445	356280	A-4F-QH	C0J210496	004		SOLID	0	2 1
12B	L8VLH-1-AL	___ ___ ___	903446	356280	A-4F-QH	C0J210496	005		SOLID	0	2 1
12B	L8VLJ-1-AU	___ ___ ___	903447	356280	A-4F-QH	C0J210496	006		SOLID	0	2 1

KG
10-26-10

RELINQUISHED BY	RECEIVED BY	DATE/TIME
K. Smith	K. Smith	10-26-10 03:00
K. Smith		10-26-10 05:30

***** END OF REPORT *****

METALS DATA

METALS RESULTS

Leo Brausch Consulting

Client Sample ID: EB10-20

TOTAL Metals

Lot-Sample #...: C0J210496-001 **Matrix.....:** SOLID
Date Sampled...: 10/20/10 **Date Received..:** 10/21/10
% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0309374						
Silver	ND	0.048	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1AD
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0019	
Aluminum	**0.93 B**	**1.4**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKP1AE**
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.14	
Arsenic	ND	0.048	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1AF
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0087	
Barium	**0.079 B**	**0.48**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKP1AG**
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0051	
Beryllium	ND	0.048	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1AH
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0036	
Calcium	**16.6**	**4.8**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKP1AJ**
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.64	
Cadmium	ND	0.048	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1AK
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0034	
Cobalt	ND	0.024	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1AL
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.00072	
Chromium	**0.14**	**0.096**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKP1AM**
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0029	

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: EB10-20

TOTAL Metals

Lot-Sample #...: C0J210496-001 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	**0.10**	**0.096**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKP1AN**
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.016	
Iron	**1.5 B,J**	**2.4**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKP1AP**
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.17	
Potassium	**5.4 J**	**4.8**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKP1AQ**
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.65	
Magnesium	**3.7 B**	**4.8**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKP1AR**
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.090	
Manganese	**0.028**	**0.024**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKP1AT**
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0049	
Sodium	**6.5**	**4.8**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKP1AU**
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.66	
Nickel	**0.024 B**	**0.048**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKP1AV**
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0054	
Lead	**0.017 B**	**0.048**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKP1AW**
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0018	
Selenium	ND	0.24	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1AX
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.024	
Thallium	**0.0037 B,J**	**0.048**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKP1A0**
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.00096	

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Client Sample ID: EB10-20

TOTAL Metals

Lot-Sample #...: C0J210496-001 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	**0.016 B,J**	**0.096**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKP1A1**
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0012	
Vanadium	ND	0.048	mg/kg	SW846 6020	11/05-11/08/10	L8VKP1A2
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0038	
Zinc	**0.88**	**0.24**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKP1A3**
		Dilution Factor: 0.48		Analysis Time..: 15:48	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.031	
Prep Batch #...: 0312033						
Mercury	ND	0.016	mg/kg	SW846 7471A	11/08/10	L8VKP1A4
		Dilution Factor: 0.5		Analysis Time..: 09:32	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0312032	MDL.....: 0.0054	

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Leo Brausch Consulting

Client Sample ID: SD10-19

TOTAL Metals

Lot-Sample #...: C0J210496-002 **Matrix.....:** SOLID
Date Sampled...: 10/20/10 **Date Received..:** 10/21/10
% Moisture.....: 25

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0309374						
Silver	**0.10**	**0.059**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AD**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0023	
Aluminum	**14200**	**1.8**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AE**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.17	
Arsenic	**3.4**	**0.059**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AF**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.011	
Barium	**223**	**0.59**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AG**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0063	
Beryllium	**0.81**	**0.059**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AH**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0044	
Calcium	**5400**	**5.9**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AJ**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.78	
Cadmium	**0.73**	**0.059**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AK**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0041	
Cobalt	**9.3**	**0.029**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AL**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.00088	
Chromium	**18.7**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AM**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0036	

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Client Sample ID: SD10-19

TOTAL Metals

Lot-Sample #...: C0J210496-002 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	**18.6**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AN**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.019	
Iron	**25600 J**	**2.9**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AP**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.21	
Potassium	**964 J**	**5.9**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AQ**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.80	
Magnesium	**4100**	**5.9**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AR**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.11	
Manganese	**205**	**0.029**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AT**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0061	
Sodium	**172**	**5.9**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AU**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.81	
Nickel	**25.4**	**0.059**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AV**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0067	
Lead	**19.2**	**0.059**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AW**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0022	
Selenium	**0.67**	**0.29**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1AX**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.030	
Thallium	**0.11 J**	**0.059**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1A0**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0012	

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Client Sample ID: SD10-19

TOTAL Metals

Lot-Sample #...: C0J210496-002 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	**0.16 J**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1A1**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0015	
Vanadium	**18.6**	**0.059**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1A2**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0047	
Zinc	**95.0**	**0.29**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VKW1A3**
		Dilution Factor: 0.44		Analysis Time..: 15:52	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.038	
Prep Batch #...: 0312033						
Mercury	**0.035**	**0.022**	**mg/kg**	**SW846 7471A**	**11/08/10**	**L8VKW1A4**
		Dilution Factor: 0.5		Analysis Time..: 09:34	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0312032	MDL.....: 0.0073	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

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Client Sample ID: SD10-18

TOTAL Metals

Lot-Sample #...: C0J210496-003 **Matrix.....:** SOLID
Date Sampled...: 10/20/10 **Date Received..:** 10/21/10
% Moisture.....: 46

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0309374						
Silver	**1.0**	**0.088**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AJ**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0034	
Aluminum	**12600**	**2.7**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AK**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.25	
Arsenic	**4.6**	**0.088**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AL**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.016	
Barium	**192**	**0.88**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AM**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0095	
Beryllium	**0.70**	**0.088**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AN**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0066	
Calcium	**20700**	**8.8**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AP**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.2	
Cadmium	**7.0**	**0.088**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AQ**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0062	
Cobalt	**9.2**	**0.044**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AR**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0013	
Chromium	**25.0**	**0.18**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AT**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0054	

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Client Sample ID: SD10-18

TOTAL Metals

Lot-Sample #...: C0J210496-003 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	**29.2**	**0.18**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AU**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.029	
Iron	**24400 J**	**4.4**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AV**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.31	
Potassium	**1030 J**	**8.8**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AW**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.2	
Magnesium	**4380**	**8.8**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AX**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.17	
Manganese	**235**	**0.044**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81A0**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0091	
Sodium	**220**	**8.8**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81A1**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.2	
Nickel	**27.2**	**0.088**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81A2**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.010	
Lead	**45.2**	**0.088**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81A3**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0034	
Selenium	**0.80**	**0.44**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81A4**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.044	
Thallium	**0.13 J**	**0.088**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AA**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0018	

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Client Sample ID: SD10-18

TOTAL Metals

Lot-Sample #...: C0J210496-003 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	**0.46 J**	**0.18**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AC**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0023	
Vanadium	**18.2**	**0.088**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AD**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0070	
Zinc	**192**	**0.44**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VK81AE**
		Dilution Factor: 0.48		Analysis Time..: 15:56	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.057	
Prep Batch #...: 0312033						
Mercury	**0.071**	**0.030**	**mg/kg**	**SW846 7471A**	**11/08/10**	**L8VK81AF**
		Dilution Factor: 0.5		Analysis Time..: 09:35	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0312032	MDL.....: 0.010	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

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Client Sample ID: SD10-31

TOTAL Metals

Lot-Sample #...: C0J210496-004 **Matrix.....:** SOLID
Date Sampled...: 10/20/10 **Date Received..:** 10/21/10
% Moisture.....: 52

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0309374						
Silver	**1.3**	**0.084**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AE**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0033	
Aluminum	**13500**	**2.5**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AF**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.24	
Arsenic	**1.7**	**0.084**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AG**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.015	
Barium	**294**	**0.84**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AH**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0090	
Beryllium	**0.73**	**0.084**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AJ**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0063	
Calcium	**7470**	**8.4**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AK**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.1	
Cadmium	**3.4**	**0.084**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AL**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0059	
Cobalt	**7.4**	**0.042**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AM**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0013	
Chromium	**41.6**	**0.17**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AN**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0051	

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Client Sample ID: SD10-31

TOTAL Metals

Lot-Sample #...: C0J210496-004 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	**35.1**	**0.17**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AP**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.028	
Iron	**18100 J**	**4.2**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AQ**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.30	
Potassium	**1320 J**	**8.4**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AR**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.1	
Magnesium	**3410**	**8.4**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AT**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.16	
Manganese	**107**	**0.042**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AU**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0087	
Sodium	**293**	**8.4**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AV**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.1	
Nickel	**35.4**	**0.084**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AW**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0095	
Lead	**114**	**0.084**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1AX**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0032	
Selenium	**1.1**	**0.42**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1A0**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.042	
Thallium	**0.19 J**	**0.084**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1A1**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0017	

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Client Sample ID: SD10-31

TOTAL Metals

Lot-Sample #...: C0J210496-004 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	**0.99 J**	**0.17**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1A2**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0022	
Vanadium	**17.8**	**0.084**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1A3**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0065	
Zinc	**202**	**0.42**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLA1A4**
		Dilution Factor: 0.4		Analysis Time..: 16:01	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.054	
Prep Batch #...: 0312033						
Mercury	**0.10**	**0.035**	**mg/kg**	**SW846 7471A**	**11/08/10**	**L8VLA1A5**
		Dilution Factor: 0.5		Analysis Time..: 09:37	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0312032	MDL.....: 0.011	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Leo Brausch Consulting

Client Sample ID: SD10-32

TOTAL Metals

Lot-Sample #...: C0J210496-005 **Matrix.....:** SOLID
Date Sampled...: 10/20/10 **Date Received..:** 10/21/10
% Moisture.....: 63

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0309374						
Silver	**1.5**	**0.13**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AM**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0050	
Aluminum	**12300**	**3.9**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AN**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.37	
Arsenic	**2.2**	**0.13**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AP**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.023	
Barium	**234**	**1.3**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AQ**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.014	
Beryllium	**0.68**	**0.13**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AR**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0097	
Calcium	**9500**	**12.9**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AT**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.7	
Cadmium	**4.2**	**0.13**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AU**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0091	
Cobalt	**7.2**	**0.065**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AV**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0019	
Chromium	**42.2**	**0.26**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AW**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0079	

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Client Sample ID: SD10-32

TOTAL Metals

Lot-Sample #...: C0J210496-005 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	**41.8**	**0.26**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AX**
	Dilution Factor: 0.48	Analysis Time..: 16:05		Analyst ID.....: 400149		
	Instrument ID..: ICPMS2	MS Run #.....: 0309204		MDL.....: 0.043		
Iron	**17200 J**	**6.5**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1A0**
	Dilution Factor: 0.48	Analysis Time..: 16:05		Analyst ID.....: 400149		
	Instrument ID..: ICPMS2	MS Run #.....: 0309204		MDL.....: 0.46		
Potassium	**1050 J**	**12.9**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1A1**
	Dilution Factor: 0.48	Analysis Time..: 16:05		Analyst ID.....: 400149		
	Instrument ID..: ICPMS2	MS Run #.....: 0309204		MDL.....: 1.8		
Magnesium	**3100**	**12.9**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1A2**
	Dilution Factor: 0.48	Analysis Time..: 16:05		Analyst ID.....: 400149		
	Instrument ID..: ICPMS2	MS Run #.....: 0309204		MDL.....: 0.24		
Manganese	**98.5**	**0.065**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1A3**
	Dilution Factor: 0.48	Analysis Time..: 16:05		Analyst ID.....: 400149		
	Instrument ID..: ICPMS2	MS Run #.....: 0309204		MDL.....: 0.013		
Sodium	**333**	**12.9**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1A4**
	Dilution Factor: 0.48	Analysis Time..: 16:05		Analyst ID.....: 400149		
	Instrument ID..: ICPMS2	MS Run #.....: 0309204		MDL.....: 1.8		
Nickel	**34.7**	**0.13**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1A5**
	Dilution Factor: 0.48	Analysis Time..: 16:05		Analyst ID.....: 400149		
	Instrument ID..: ICPMS2	MS Run #.....: 0309204		MDL.....: 0.015		
Lead	**126**	**0.13**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1A6**
	Dilution Factor: 0.48	Analysis Time..: 16:05		Analyst ID.....: 400149		
	Instrument ID..: ICPMS2	MS Run #.....: 0309204		MDL.....: 0.0049		
Selenium	**0.98**	**0.65**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AA**
	Dilution Factor: 0.48	Analysis Time..: 16:05		Analyst ID.....: 400149		
	Instrument ID..: ICPMS2	MS Run #.....: 0309204		MDL.....: 0.065		
Thallium	**0.21 J**	**0.13**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AC**
	Dilution Factor: 0.48	Analysis Time..: 16:05		Analyst ID.....: 400149		
	Instrument ID..: ICPMS2	MS Run #.....: 0309204		MDL.....: 0.0026		

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Client Sample ID: SD10-32

TOTAL Metals

Lot-Sample #...: C0J210496-005 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	**0.94 J**	**0.26**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AD**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0034	
Vanadium	**18.0**	**0.13**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AE**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.010	
Zinc	**227**	**0.65**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLH1AF**
		Dilution Factor: 0.48		Analysis Time..: 16:05	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.084	
Prep Batch #...: 0312033						
Mercury	**0.099**	**0.044**	**mg/kg**	**SW846 7471A**	**11/08/10**	**L8VLH1AG**
		Dilution Factor: 0.5		Analysis Time..: 09:39	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0312032	MDL.....: 0.015	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

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Client Sample ID: SD10-33

TOTAL Metals

Lot-Sample #...: C0J210496-006 **Matrix.....:** SOLID
Date Sampled...: 10/20/10 **Date Received..:** 10/21/10
% Moisture.....: 59

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0309374						
Silver	**2.0**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AV**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0048	
Aluminum	**10700**	**3.7**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AW**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.35	
Arsenic	**3.1**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AX**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.022	
Barium	**204**	**1.2**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1A0**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.013	
Beryllium	**0.57**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1A1**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0093	
Calcium	**11800**	**12.4**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1A2**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.6	
Cadmium	**5.1**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1A3**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0087	
Cobalt	**7.3**	**0.062**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1A4**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0019	
Chromium	**51.2**	**0.25**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1A5**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0075	

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Client Sample ID: SD10-33

TOTAL Metals

Lot-Sample #...: C0J210496-006 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	**46.8**	**0.25**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1A6**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.041	
Iron	**17600 J**	**6.2**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AA**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.44	
Potassium	**1040 J**	**12.4**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AC**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.7	
Magnesium	**3240**	**12.4**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AD**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.23	
Manganese	**118**	**0.062**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AE**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.013	
Sodium	**295**	**12.4**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AF**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 1.7	
Nickel	**40.1**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AG**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.014	
Lead	**157**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AH**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0047	
Selenium	**1.2**	**0.62**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AJ**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.062	
Thallium	**0.15 J**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AK**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0025	

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Client Sample ID: SD10-33

TOTAL Metals

Lot-Sample #...: C0J210496-006 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Antimony	**1.2 J**	**0.25**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AL**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0032	
Vanadium	**15.8**	**0.12**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AM**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.0098	
Zinc	**263**	**0.62**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L8VLJ1AN**
		Dilution Factor: 0.51		Analysis Time..: 16:09	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0309204	MDL.....: 0.080	
Prep Batch #...: 0312033						
Mercury	**0.10**	**0.040**	**mg/kg**	**SW846 7471A**	**11/08/10**	**L8VLJ1AP**
		Dilution Factor: 0.5		Analysis Time..: 09:44	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0312032	MDL.....: 0.013	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C0K050000-374 **Prep Batch #...:** 0309374						
Silver	ND	0.10	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AA
		Dilution Factor: 1				
		Analysis Time..: 21:44		Analyst ID.....: 400149	Instrument ID..: ICP	
Aluminum	ND	1.2	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AC
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Arsenic	ND	0.040	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AD
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Barium	ND	0.40	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AE
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Beryllium	ND	0.040	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AF
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Calcium	ND	4.0	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AG
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Cadmium	ND	0.040	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AH
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Cobalt	ND	0.020	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AJ
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Chromium	ND	0.080	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AK
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Copper	ND	0.080	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AL
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Iron	**0.55 B**	**2.0**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L9MM91AM**
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Potassium	**1.6 B**	**4.0**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L9MM91AN**
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Magnesium	ND	4.0	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AP
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Manganese	ND	0.020	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AQ
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Sodium	ND	4.0	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AR
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Nickel	ND	0.040	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AT
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Lead	ND	0.040	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AU
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Selenium	ND	0.20	mg/kg	SW846 6020	11/05-11/08/10	L9MM91AV
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Thallium	**0.0031 B**	**0.040**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L9MM91AW**
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Antimony	**0.0065 B**	**0.080**	**mg/kg**	**SW846 6020**	**11/05-11/08/10**	**L9MM91AX**
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Vanadium	ND	0.040	mg/kg	SW846 6020	11/05-11/08/10	L9MM91A0
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	
Zinc	ND	0.20	mg/kg	SW846 6020	11/05-11/08/10	L9MM91A1
		Dilution Factor: 0.4				
		Analysis Time..: 15:36		Analyst ID.....: 400149	Instrument ID..: ICP	

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C0K080000-033 **Prep Batch #...:** 0312033						
Mercury	ND	0.016	mg/kg	SW846 7471A	11/08/10	L9NRF1AA
		Dilution Factor: 0.5				
		Analysis Time..: 08:54		Analyst ID.....: 031043	Instrument ID..: HGH	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C0K050000-374 **Prep Batch #...:** 0309374					
Silver	100	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91A2
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Aluminum	85	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91A3
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Arsenic	88	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91A4
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Barium	89	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91A5
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Beryllium	100	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91A6
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Calcium	106	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91A7
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Cadmium	94	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91A8
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Cobalt	93	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91A9
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Chromium	94	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CA
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Copper	96	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CC
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	97	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CD
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Potassium	102	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CE
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Magnesium	91	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CF
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Manganese	95	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CG
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Sodium	98	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CH
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Nickel	91	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CJ
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Lead	100	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CK
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Selenium	86	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CL
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Thallium	97	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CM
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Antimony	91	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CN
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Vanadium	93	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CP
		Dilution Factor: 0.5	Analysis Time..: 15:41	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	99	(80 - 120)	SW846 6020	11/05-11/08/10	L9MM91CQ

Dilution Factor: 0.5 Analysis Time..: 15:41 Analyst ID.....: 400149
Instrument ID..: ICPMS2

LCS Lot-Sample#: C0K080000-033 **Prep Batch #...:** 0312033

Mercury	97	(80 - 120)	SW846 7471A	11/08/10	L9NRF1AC

Dilution Factor: 0.5 Analysis Time..: 08:56 Analyst ID.....: 031043
Instrument ID..: HGHYDRA

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C0K050000-374 **Prep Batch #...:** 0309374							
Silver	2.50	2.50	mg/kg	100	SW846 6020	11/05-11/08/10	L9MM91A2
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Aluminum	100	85.0	mg/kg	85	SW846 6020	11/05-11/08/10	L9MM91A3
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Arsenic	2.00	1.76	mg/kg	88	SW846 6020	11/05-11/08/10	L9MM91A4
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Barium	100	89.0	mg/kg	89	SW846 6020	11/05-11/08/10	L9MM91A5
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Beryllium	2.50	2.50	mg/kg	100	SW846 6020	11/05-11/08/10	L9MM91A6
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Calcium	2500	2660	mg/kg	106	SW846 6020	11/05-11/08/10	L9MM91A7
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Cadmium	2.50	2.34	mg/kg	94	SW846 6020	11/05-11/08/10	L9MM91A8
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Cobalt	25.0	23.3	mg/kg	93	SW846 6020	11/05-11/08/10	L9MM91A9
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Chromium	10.0	9.36	mg/kg	94	SW846 6020	11/05-11/08/10	L9MM91CA
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Copper	12.5	12.0	mg/kg	96	SW846 6020	11/05-11/08/10	L9MM91CC
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	50.0	48.7	mg/kg	97	SW846 6020	11/05-11/08/10	L9MM91CD
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Potassium	2500	2560	mg/kg	102	SW846 6020	11/05-11/08/10	L9MM91CE
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Magnesium	2500	2270	mg/kg	91	SW846 6020	11/05-11/08/10	L9MM91CF
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Manganese	25.0	23.7	mg/kg	95	SW846 6020	11/05-11/08/10	L9MM91CG
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Sodium	2500	2440	mg/kg	98	SW846 6020	11/05-11/08/10	L9MM91CH
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Nickel	25.0	22.7	mg/kg	91	SW846 6020	11/05-11/08/10	L9MM91CJ
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Lead	1.00	0.996	mg/kg	100	SW846 6020	11/05-11/08/10	L9MM91CK
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Selenium	0.500	0.431	mg/kg	86	SW846 6020	11/05-11/08/10	L9MM91CL
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Thallium	2.50	2.43	mg/kg	97	SW846 6020	11/05-11/08/10	L9MM91CM
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Antimony	25.0	22.7	mg/kg	91	SW846 6020	11/05-11/08/10	L9MM91CN
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Vanadium	25.0	23.2	mg/kg	93	SW846 6020	11/05-11/08/10	L9MM91CP
			Dilution Factor: 0.5		Analysis Time..: 15:41	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	25.0	24.7	mg/kg	99	SW846 6020	11/05-11/08/10	L9MM91CQ

Dilution Factor: 0.5 Analysis Time..: 15:41 Analyst ID.....: 400149
Instrument ID..: ICPMS2

LCS Lot-Sample#: C0K080000-033 **Prep Batch #...:** 0312033

Mercury	0.208	0.203	mg/kg	97	SW846 7471A	11/08/10	L9NRF1AC

Dilution Factor: 0.5 Analysis Time..: 08:56 Analyst ID.....: 031043
Instrument ID..: HGHYDRA

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID
Date Sampled...: 10/13/10 **Date Received..:** 10/14/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C0J140521-001 **Prep Batch #...:** 0312033							
						% Moisture.....: 60	
Mercury	98	(75 - 125)			SW846 7471A	11/08/10	L8GPF1CK
	97	(75 - 125)	0.61	(0-20)	SW846 7471A	11/08/10	L8GPF1CL

Dilution Factor: 0.5
Analysis Time..: 09:02 Instrument ID..: HGHYDRA Analyst ID.....: 031043
MS Run #.....: 0312032

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID
Date Sampled...: 10/13/10 **Date Received..:** 10/14/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C0J140521-001 **Prep Batch #...:** 0312033 **% Moisture.....:** 60									
Mercury									
	0.13	0.209	0.339	mg/kg	98		SW846 7471A	11/08/10	L8GPF1CK
	0.13	0.209	0.337	mg/kg	97	0.61	SW846 7471A	11/08/10	L8GPF1CL

Dilution Factor: 0.5
Analysis Time..: 09:02 Instrument ID..: HGHYDRA Analyst ID.....: 031043
MS Run #.....: 0312032

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID
Date Sampled...: 10/28/10 **Date Received..:** 10/29/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C0J290519-001 **Prep Batch #...:** 0309374							
						% Moisture.....: 74	
Silver	96	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1CD
	96	(75 - 125)	8.2	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1CE
		Dilution Factor: 0.47					
		Analysis Time..: 16:14 Instrument ID..: ICPMS2 Analyst ID.....: 400149					
		MS Run #.....: 0309204					
Aluminum	NC	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1CF
	NC	(75 - 125)		(0-20)	SW846 6020	11/05-11/08/10	L9A0J1CG
		Dilution Factor: 0.47					
		Analysis Time..: 16:14 Instrument ID..: ICPMS2 Analyst ID.....: 400149					
		MS Run #.....: 0309204					
Arsenic	94	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1CH
	100	(75 - 125)	5.9	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1CJ
		Dilution Factor: 0.47					
		Analysis Time..: 16:14 Instrument ID..: ICPMS2 Analyst ID.....: 400149					
		MS Run #.....: 0309204					
Barium	89	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1CK
	92	(75 - 125)	8.4	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1CL
		Dilution Factor: 0.47					
		Analysis Time..: 16:14 Instrument ID..: ICPMS2 Analyst ID.....: 400149					
		MS Run #.....: 0309204					
Beryllium	91	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1CM
	93	(75 - 125)	8.6	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1CN
		Dilution Factor: 0.47					
		Analysis Time..: 16:14 Instrument ID..: ICPMS2 Analyst ID.....: 400149					
		MS Run #.....: 0309204					
Calcium	94	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1CP
	95	(75 - 125)	6.6	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1CQ
		Dilution Factor: 0.47					
		Analysis Time..: 16:14 Instrument ID..: ICPMS2 Analyst ID.....: 400149					
		MS Run #.....: 0309204					
Cadmium	89	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1CR
	91	(75 - 125)	8.8	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1CT
		Dilution Factor: 0.47					
		Analysis Time..: 16:14 Instrument ID..: ICPMS2 Analyst ID.....: 400149					
		MS Run #.....: 0309204					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID
Date Sampled...: 10/28/10 **Date Received..:** 10/29/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	82	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1CU
	82	(75 - 125)	7.9	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1CV
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Chromium	97	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1CW
	107	(75 - 125)	8.2	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1CX
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Copper	88	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1C0
	91	(75 - 125)	6.9	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1C1
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Iron	NC	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1C2
	NC	(75 - 125)		(0-20)	SW846 6020	11/05-11/08/10	L9A0J1C3
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Potassium	102	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1C4
	102	(75 - 125)	7.1	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1C5
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Magnesium	88	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1C6
	90	(75 - 125)	6.5	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1C7
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Manganese	NC	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1C8
	NC	(75 - 125)		(0-20)	SW846 6020	11/05-11/08/10	L9A0J1C9
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID
Date Sampled...: 10/28/10 **Date Received..:** 10/29/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	86	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1DA
	84	(75 - 125)	6.1	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1DC
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Nickel	82	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1DD
	84	(75 - 125)	7.8	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1DE
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Lead	NC	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1DF
	NC	(75 - 125)		(0-20)	SW846 6020	11/05-11/08/10	L9A0J1DG
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Selenium	97	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1DH
	99	(75 - 125)	6.7	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1DJ
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Thallium	95	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1DK
	95	(75 - 125)	8.7	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1DL
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Antimony	52 N	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1DM
	52 N	(75 - 125)	8.2	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1DN
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					
Vanadium	93	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1DP
	97	(75 - 125)	8.9	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1DQ
		Dilution Factor: 0.47					
		Analysis Time..: 16:14			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0309204					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID
Date Sampled...: 10/28/10 **Date Received..:** 10/29/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	97	(75 - 125)			SW846 6020	11/05-11/08/10	L9A0J1DR
	109	(75 - 125)	6.9	(0-20)	SW846 6020	11/05-11/08/10	L9A0J1DT

Dilution Factor: 0.47
Analysis Time..: 16:14 Instrument ID..: ICPMS2 Analyst ID.....: 400149
MS Run #.....: 0309204

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID
Date Sampled...: 10/28/10 **Date Received..:** 10/29/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C0J290519-001 **Prep Batch #...:** 0309374									
								% Moisture.....: 74	
Silver									
	0.30	9.02	8.96	mg/kg	96		SW846 6020	11/05-11/08/10	L9A0J1CD
	0.30	9.79	9.72	mg/kg	96	8.2	SW846 6020	11/05-11/08/10	L9A0J1CE
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Aluminum									
	13300	361	20400	mg/kg			SW846 6020	11/05-11/08/10	L9A0J1CF
			Qualifiers: NC						
	13300	391	22100	mg/kg			SW846 6020	11/05-11/08/10	L9A0J1CG
			Qualifiers: NC						
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Arsenic									
	10.6	7.21	17.4	mg/kg	94		SW846 6020	11/05-11/08/10	L9A0J1CH
	10.6	7.83	18.5	mg/kg	100	5.9	SW846 6020	11/05-11/08/10	L9A0J1CJ
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Barium									
	97.9	361	421	mg/kg	89		SW846 6020	11/05-11/08/10	L9A0J1CK
	97.9	391	458	mg/kg	92	8.4	SW846 6020	11/05-11/08/10	L9A0J1CL
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Beryllium									
	0.95	9.02	9.19	mg/kg	91		SW846 6020	11/05-11/08/10	L9A0J1CM
	0.95	9.79	10.0	mg/kg	93	8.6	SW846 6020	11/05-11/08/10	L9A0J1CN
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Calcium									
	3420	9020	11900	mg/kg	94		SW846 6020	11/05-11/08/10	L9A0J1CP
	3420	9790	12700	mg/kg	95	6.6	SW846 6020	11/05-11/08/10	L9A0J1CQ
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID
Date Sampled...: 10/28/10 **Date Received..:** 10/29/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cadmium									
	0.66	9.02	8.72	mg/kg	89		SW846 6020	11/05-11/08/10	L9A0J1CR
	0.66	9.79	9.52	mg/kg	91	8.8	SW846 6020	11/05-11/08/10	L9A0J1CT
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Cobalt									
	11.9	90.2	85.4	mg/kg	82		SW846 6020	11/05-11/08/10	L9A0J1CU
	11.9	97.9	92.4	mg/kg	82	7.9	SW846 6020	11/05-11/08/10	L9A0J1CV
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Chromium									
	42.7	36.1	77.8	mg/kg	97		SW846 6020	11/05-11/08/10	L9A0J1CW
	42.7	39.1	84.5	mg/kg	107	8.2	SW846 6020	11/05-11/08/10	L9A0J1CX
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Copper									
	29.2	45.1	68.8	mg/kg	88		SW846 6020	11/05-11/08/10	L9A0J1C0
	29.2	48.9	73.7	mg/kg	91	6.9	SW846 6020	11/05-11/08/10	L9A0J1C1
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Iron									
	26200	180	28900	mg/kg			SW846 6020	11/05-11/08/10	L9A0J1C2
			Qualifiers: NC						
	26200	196	30600	mg/kg			SW846 6020	11/05-11/08/10	L9A0J1C3
			Qualifiers: NC						
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Potassium									
	2350	9020	11500	mg/kg	102		SW846 6020	11/05-11/08/10	L9A0J1C4
	2350	9790	12400	mg/kg	102	7.1	SW846 6020	11/05-11/08/10	L9A0J1C5
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID
Date Sampled...: 10/28/10 **Date Received..:** 10/29/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium									
	5050	9020	13000	mg/kg	88		SW846 6020	11/05-11/08/10	L9A0J1C6
	5050	9790	13900	mg/kg	90	6.5	SW846 6020	11/05-11/08/10	L9A0J1C7
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Manganese									
	1390	90.2	1530 NC	mg/kg			SW846 6020	11/05-11/08/10	L9A0J1C8
	1390	97.9	1620 NC	mg/kg			SW846 6020	11/05-11/08/10	L9A0J1C9
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Sodium									
	394	9020	8130	mg/kg	86		SW846 6020	11/05-11/08/10	L9A0J1DA
	394	9790	8650	mg/kg	84	6.1	SW846 6020	11/05-11/08/10	L9A0J1DC
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Nickel									
	23.6	90.2	97.8	mg/kg	82		SW846 6020	11/05-11/08/10	L9A0J1DD
	23.6	97.9	106	mg/kg	84	7.8	SW846 6020	11/05-11/08/10	L9A0J1DE
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Lead									
	44.2	3.61	51.3 NC	mg/kg			SW846 6020	11/05-11/08/10	L9A0J1DF
	44.2	3.91	54.5 NC	mg/kg			SW846 6020	11/05-11/08/10	L9A0J1DG
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Selenium									
	1.2	1.80	2.95	mg/kg	97		SW846 6020	11/05-11/08/10	L9A0J1DH
	1.2	1.96	3.16	mg/kg	99	6.7	SW846 6020	11/05-11/08/10	L9A0J1DJ
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0J210496 **Matrix.....:** SOLID
Date Sampled...: 10/28/10 **Date Received..:** 10/29/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium									
	0.18	9.02	8.71	mg/kg	95		SW846 6020	11/05-11/08/10	L9A0J1DK
	0.18	9.79	9.50	mg/kg	95	8.7	SW846 6020	11/05-11/08/10	L9A0J1DL
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Antimony									
	0.42	90.2	47.4 N	mg/kg	52		SW846 6020	11/05-11/08/10	L9A0J1DM
	0.42	97.9	51.5 N	mg/kg	52	8.2	SW846 6020	11/05-11/08/10	L9A0J1DN
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Vanadium									
	36.9	90.2	121	mg/kg	93		SW846 6020	11/05-11/08/10	L9A0J1DP
	36.9	97.9	132	mg/kg	97	8.9	SW846 6020	11/05-11/08/10	L9A0J1DQ
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						
Zinc									
	178	90.2	266	mg/kg	97		SW846 6020	11/05-11/08/10	L9A0J1DR
	178	97.9	285	mg/kg	109	6.9	SW846 6020	11/05-11/08/10	L9A0J1DT
			Dilution Factor: 0.47						
			Analysis Time..: 16:14		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0309204						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

Test America Pittsburgh
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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LEO BRAUSCH **SDG No.:** C0J210496

Initial Calibration Source: Inorganic **Instrument:** ICPMS

Continuing Calibration Source: HIPUR

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1			**ICV1 MET5571-10**						
	Aluminum	0.4062	0.4000	101.6	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen
	Antimony	0.0812	0.0800	101.5	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen
	Arsenic	0.0808	0.0800	101.0	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen
	Barium	0.0796	0.0800	99.5	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen
	Beryllium	0.0815	0.0800	101.9	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen
	Cadmium	0.0772	0.0800	96.5	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen
	Calcium	40.8500	40.0000	102.1	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen
	Chromium	0.0813	0.0800	101.6	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen
	Cobalt	0.0808	0.0800	101.0	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen
	Copper	0.0820	0.0800	102.5	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen
	Iron	20.5200	20.0000	102.6	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen
	Lead	0.0785	0.0800	98.1	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen
	Magnesium	40.4533	40.0000	101.1	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen
	Manganese	0.4027	0.4000	100.7	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen
	Nickel	0.0817	0.0800	102.1	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen
	Potassium	40.9833	40.0000	102.5	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen
	Selenium	0.0812	0.0800	101.5	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen
	Silver	0.0801	0.0800	100.1	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen
	Sodium	39.8967	40.0000	99.7	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen
	Thallium	0.0817	0.0800	102.1	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen
	Vanadium	0.0807	0.0800	100.9	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen
	Zinc	0.0829	0.0800	103.6	90.0 - 110.0	MS	11/8/2010	14:54	M01108A, gen

Test America Pittsburgh

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LEO BRAUSCH **SDG No.:** C0J210496

Initial Calibration Source: Inorganic **Instrument:** ICPMS

Continuing Calibration Source: HIPUR

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1			**CCV1-1 MET5575-10**						
	Aluminum	0.4929	0.5000	98.6	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen
	Antimony	0.0974	0.1000	97.4	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen
	Arsenic	0.1013	0.1000	101.3	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen
	Barium	0.0979	0.1000	97.9	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen
	Beryllium	0.0997	0.1000	99.7	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen
	Cadmium	0.0998	0.1000	99.8	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen
	Calcium	50.2467	50.0000	100.5	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen
	Chromium	0.0973	0.1000	97.3	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen
	Cobalt	0.0978	0.1000	97.8	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen
	Copper	0.0995	0.1000	99.5	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen
	Iron	24.6033	25.0000	98.4	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen
	Lead	0.1056	0.1000	105.6	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen
	Magnesium	49.5767	50.0000	99.2	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen
	Manganese	0.4925	0.5000	98.5	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen
	Nickel	0.0971	0.1000	97.1	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen
	Potassium	49.3167	50.0000	98.6	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen
	Selenium	0.1044	0.1000	104.4	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen
	Silver	0.1044	0.1000	104.4	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen
	Sodium	48.4900	50.0000	97.0	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen
	Thallium	0.1055	0.1000	105.5	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen
	Vanadium	0.0973	0.1000	97.3	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen
	Zinc	0.1033	0.1000	103.3	90.0 - 110.0	MS	11/8/2010	15:22	M01108A, gen

Test America Pittsburgh

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LEO BRAUSCH **SDG No.:** C0J210496

Initial Calibration Source: Inorganic **Instrument:** ICPMS

Continuing Calibration Source: HIPUR

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV2			**CCV1-2**						
	Aluminum	0.4797	0.5000	95.9	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
	Antimony	0.0960	0.1000	96.0	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
	Arsenic	0.1014	0.1000	101.4	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
	Barium	0.0971	0.1000	97.1	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
	Beryllium	0.0963	0.1000	96.3	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
	Cadmium	0.0994	0.1000	99.4	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
	Calcium	49.8400	50.0000	99.7	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
	Chromium	0.0967	0.1000	96.7	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
	Cobalt	0.0976	0.1000	97.6	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
	Copper	0.1000	0.1000	100.0	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
	Iron	24.5533	25.0000	98.2	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
	Lead	0.1078	0.1000	107.8	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
	Magnesium	47.7467	50.0000	95.5	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
	Manganese	0.4871	0.5000	97.4	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
	Nickel	0.0977	0.1000	97.7	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
	Potassium	47.9233	50.0000	95.8	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
	Selenium	0.1036	0.1000	103.6	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
	Silver	0.1037	0.1000	103.7	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
	Sodium	45.5900	50.0000	91.2	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
	Thallium	0.1073	0.1000	107.3	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
	Vanadium	0.0967	0.1000	96.7	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
	Zinc	0.1026	0.1000	102.6	90.0 - 110.0	MS	11/8/2010	16:25	M01108A, gen
CCV3			**CCV1-3**						
	Silver	0.1034	0.1000	103.4	90.0 - 110.0	MS	11/8/2010	17:30	M01108A, gen
CCV4			**CCV1-4**						
	Silver	0.1026	0.1000	102.6	90.0 - 110.0	MS	11/8/2010	18:33	M01108A, gen
CCV5			**CCV1-5**						
	Silver	0.1016	0.1000	101.6	90.0 - 110.0	MS	11/8/2010	19:37	M01108A, gen
CCV6			**CCV1-6**						
	Silver	0.1010	0.1000	101.0	90.0 - 110.0	MS	11/8/2010	20:34	M01108A, gen

Test America Pittsburgh

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LEO BRAUSCH **SDG No.:** C0J210496

Initial Calibration Source: Inorganic **Instrument:** ICPMS

Continuing Calibration Source: HIPUR

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV7			**CCV1-7**						
	Silver	0.1005	0.1000	100.5	90.0 - 110.0	MS	11/8/2010	21:32	M01108A, gen
CCV8			**CCV1-8**						
	Silver	0.1002	0.1000	100.2	90.0 - 110.0	MS	11/8/2010	22:12	M01108A, gen

TestAmerica Pittsburgh

Metals Data Reporting Form

Initial Calibration Verification Standar

Instrument: CVAA **Units:** ug/L

Chart Number: G01108A.PRN **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:** MET5966-10

Element	WL/ Mass	True Conc	ICV6-1 11/8/2010 8:13 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	2.5	2.55	**102.0**								

5.11.0 *Form 2A Equivalent*

TestAmerica Pittsburgh

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: CVAA **Units:** ug/L

Chart Number: G01108A.PRN **Acceptable Range:** 90% - 110%

Standard Source: Inorganic Ventures **Standard ID:** MET5968-10

Element	WL/ Mass	True Conc	CCV6-1 11/8/2010 8:18 AM		CCV6-2 11/8/2010 8:38 AM		CCV6-3 11/8/2010 8:59 AM		CCV6-4 11/8/2010 9:20 AM		CCV6-5 11/8/2010 9:41 AM	
			Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	5.0	4.94	**98.8**	4.86	**97.2**	4.94	**98.8**	4.92	**98.4**	5.06	**101.2**

TestAmerica Pittsburgh

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: CVAA **Units:** ug/L

Chart Number: G01108A.PRN **Acceptable Range:** 90% - 110%

Standard Source: Inorganic Ventures **Standard ID:** MET5968-10

Element	WL/ Mass	True Conc	CCV6-6 11/8/2010 10:01 AM Found	% Rec	CCV6-7 11/8/2010 10:21 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	5.0	5.05	**101.0**	5.00	**100.0**						

5.11.0

Form 2A Equivalent

Test America Pittsburgh
- 2b -
CRDL STANDARD FOR AA & ICP

Client: LEO BRAUSCH **SDG No.:** C0J210496

ICPMS Standard Source: HIPUR

Instrument: ICPMS

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Advisory Limits (%R)	M	Analysis Date	Analysis Time	Run Number
CRDL1			**CRI MET5572-10**						
	Aluminum	0.02596	0.03000	86.5	50 - 150	MS	11/8/2010	15:06	M01108A,
	Antimony	0.00181	0.00200	90.5	50 - 150	MS	11/8/2010	15:06	M01108A,
	Arsenic	0.00112	0.00100	112.0	50 - 150	MS	11/8/2010	15:06	M01108A,
	Barium	0.00894	0.01000	89.4	50 - 150	MS	11/8/2010	15:06	M01108A,
	Beryllium	0.00100	0.00100	100.0	50 - 150	MS	11/8/2010	15:06	M01108A,
	Cadmium	0.00082	0.00100	82.0	50 - 150	MS	11/8/2010	15:06	M01108A,
	Calcium	0.10493	0.10000	104.9	50 - 150	MS	11/8/2010	15:06	M01108A,
	Chromium	0.00192	0.00200	96.0	50 - 150	MS	11/8/2010	15:06	M01108A,
	Cobalt	0.00049	0.00050	98.0	50 - 150	MS	11/8/2010	15:06	M01108A,
	Copper	0.00189	0.00200	94.5	50 - 150	MS	11/8/2010	15:06	M01108A,
	Iron	0.06150	0.05000	123.0	50 - 150	MS	11/8/2010	15:06	M01108A,
	Lead	0.00108	0.00100	108.0	50 - 150	MS	11/8/2010	15:06	M01108A,
	Magnesium	0.10047	0.10000	100.5	50 - 150	MS	11/8/2010	15:06	M01108A,
	Manganese	0.00043	0.00050	86.0	50 - 150	MS	11/8/2010	15:06	M01108A,
	Nickel	0.00103	0.00100	103.0	50 - 150	MS	11/8/2010	15:06	M01108A,
	Potassium	0.10537	0.10000	105.4	50 - 150	MS	11/8/2010	15:06	M01108A,
	Selenium	0.00481	0.00500	96.2	50 - 150	MS	11/8/2010	15:06	M01108A,
	Silver	0.00146	0.00100	146.0	50 - 150	MS	11/8/2010	15:06	M01108A,
	Sodium	0.09747	0.10000	97.5	50 - 150	MS	11/8/2010	15:06	M01108A,
	Thallium	0.00111	0.00100	111.0	50 - 150	MS	11/8/2010	15:06	M01108A,
	Vanadium	0.00096	0.00100	96.0	50 - 150	MS	11/8/2010	15:06	M01108A,
	Zinc	0.00484	0.00500	96.8	50 - 150	MS	11/8/2010	15:06	M01108A,

TestAmerica Pittsburgh

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: CVAA **Units:** ug/L

Chart Number: G01108A.PRN **Acceptable Range:** 50% - 150%

Standard Source: Ultra **Standard ID:** MET5967-10

Element	WL/ Mass	True Conc	CRA/RLV 11/8/2010 8:16 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	0.2	0.22	**108.5**								

5.11.0 *Form 2B Equivalent*

Test America Pittsburgh

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LEO BRAUSCH **SDG No.:** C0J210496

Instrument: ICPMS

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
ICB1			ICB1							
	Aluminum	-0.00555	+/-0.03000	J	0.00285	0.03000	MS	11/8/2010	15:02	M01108A, ge
	Antimony	0.00003	+/-0.00200	J	0.00003	0.00200	MS	11/8/2010	15:02	M01108A, ge
	Arsenic	0.00008	+/-0.00100	U	0.00018	0.00100	MS	11/8/2010	15:02	M01108A, ge
	Barium	-0.00003	+/-0.01000	U	0.00011	0.01000	MS	11/8/2010	15:02	M01108A, ge
	Beryllium	0.00000	+/-0.00100	U	0.00008	0.00100	MS	11/8/2010	15:02	M01108A, ge
	Cadmium	-0.00004	+/-0.00100	U	0.00007	0.00100	MS	11/8/2010	15:02	M01108A, ge
	Calcium	-0.00629	+/-0.10000	U	0.01326	0.10000	MS	11/8/2010	15:02	M01108A, ge
	Chromium	-0.00004	+/-0.00200	U	0.00006	0.00200	MS	11/8/2010	15:02	M01108A, ge
	Cobalt	-0.00001	+/-0.00050	U	0.00002	0.00050	MS	11/8/2010	15:02	M01108A, ge
	Copper	-0.00024	+/-0.00200	U	0.00033	0.00200	MS	11/8/2010	15:02	M01108A, ge
	Iron	0.00257	+/-0.05000	U	0.00354	0.05000	MS	11/8/2010	15:02	M01108A, ge
	Lead	-0.00002	+/-0.00100	U	0.00004	0.00100	MS	11/8/2010	15:02	M01108A, ge
	Magnesium	-0.00260	+/-0.10000	J	0.00187	0.10000	MS	11/8/2010	15:02	M01108A, ge
	Manganese	-0.00018	+/-0.00050	J	0.00010	0.00050	MS	11/8/2010	15:02	M01108A, ge
	Nickel	-0.00002	+/-0.00100	U	0.00011	0.00100	MS	11/8/2010	15:02	M01108A, ge
	Potassium	0.00693	+/-0.10000	U	0.03155	0.10000	MS	11/8/2010	15:02	M01108A, ge
	Selenium	0.00039	+/-0.00500	U	0.00050	0.00500	MS	11/8/2010	15:02	M01108A, ge
	Silver	0.00080	+/-0.00100	J	0.00004	0.00100	MS	11/8/2010	15:02	M01108A, ge
	Sodium	-0.00013	+/-0.10000	U	0.01369	0.10000	MS	11/8/2010	15:02	M01108A, ge
	Thallium	0.00000	+/-0.00100	U	0.00002	0.00100	MS	11/8/2010	15:02	M01108A, ge
	Vanadium	-0.00001	+/-0.00100	U	0.00008	0.00100	MS	11/8/2010	15:02	M01108A, ge
	Zinc	-0.00093	+/-0.00500	J	0.00065	0.00500	MS	11/8/2010	15:02	M01108A, ge

Test America Pittsburgh

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LEO BRAUSCH **SDG No.:** C0J210496

Instrument: ICPMS

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
CCB1			CCB1							
	Aluminum	-0.00525	+/-0.03000	J	0.00285	0.03000	MS	11/8/2010	15:29	M01108A, ge
	Antimony	0.00026	+/-0.00200	J	0.00003	0.00200	MS	11/8/2010	15:29	M01108A, ge
	Arsenic	0.00008	+/-0.00100	U	0.00018	0.00100	MS	11/8/2010	15:29	M01108A, ge
	Barium	-0.00003	+/-0.01000	U	0.00011	0.01000	MS	11/8/2010	15:29	M01108A, ge
	Beryllium	0.00000	+/-0.00100	U	0.00008	0.00100	MS	11/8/2010	15:29	M01108A, ge
	Cadmium	0.00002	+/-0.00100	U	0.00007	0.00100	MS	11/8/2010	15:29	M01108A, ge
	Calcium	-0.00452	+/-0.10000	U	0.01326	0.10000	MS	11/8/2010	15:29	M01108A, ge
	Chromium	-0.00004	+/-0.00200	U	0.00006	0.00200	MS	11/8/2010	15:29	M01108A, ge
	Cobalt	-0.00001	+/-0.00050	U	0.00002	0.00050	MS	11/8/2010	15:29	M01108A, ge
	Copper	-0.00023	+/-0.00200	U	0.00033	0.00200	MS	11/8/2010	15:29	M01108A, ge
	Iron	0.00777	+/-0.05000	J	0.00354	0.05000	MS	11/8/2010	15:29	M01108A, ge
	Lead	-0.00002	+/-0.00100	U	0.00004	0.00100	MS	11/8/2010	15:29	M01108A, ge
	Magnesium	-0.00071	+/-0.10000	U	0.00187	0.10000	MS	11/8/2010	15:29	M01108A, ge
	Manganese	-0.00013	+/-0.00050	J	0.00010	0.00050	MS	11/8/2010	15:29	M01108A, ge
	Nickel	-0.00002	+/-0.00100	U	0.00011	0.00100	MS	11/8/2010	15:29	M01108A, ge
	Potassium	0.02276	+/-0.10000	U	0.03155	0.10000	MS	11/8/2010	15:29	M01108A, ge
	Selenium	0.00034	+/-0.00500	U	0.00050	0.00500	MS	11/8/2010	15:29	M01108A, ge
	Silver	0.00038	+/-0.00100	J	0.00004	0.00100	MS	11/8/2010	15:29	M01108A, ge
	Sodium	0.00510	+/-0.10000	U	0.01369	0.10000	MS	11/8/2010	15:29	M01108A, ge
	Thallium	0.00001	+/-0.00100	U	0.00002	0.00100	MS	11/8/2010	15:29	M01108A, ge
	Vanadium	0.00000	+/-0.00100	U	0.00008	0.00100	MS	11/8/2010	15:29	M01108A, ge
	Zinc	-0.00094	+/-0.00500	J	0.00065	0.00500	MS	11/8/2010	15:29	M01108A, ge

Test America Pittsburgh

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LEO BRAUSCH **SDG No.:** C0J210496

Instrument: ICPMS

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
CCB2			**CCB2**							
	Aluminum	-0.00427	+/-0.03000	J	0.00285	0.03000	MS	11/8/2010	16:32	M01108A, ge
	Antimony	0.00036	+/-0.00200	J	0.00003	0.00200	MS	11/8/2010	16:32	M01108A, ge
	Arsenic	0.00016	+/-0.00100	U	0.00018	0.00100	MS	11/8/2010	16:32	M01108A, ge
	Barium	-0.00001	+/-0.01000	U	0.00011	0.01000	MS	11/8/2010	16:32	M01108A, ge
	Beryllium	-0.00001	+/-0.00100	U	0.00008	0.00100	MS	11/8/2010	16:32	M01108A, ge
	Cadmium	-0.00001	+/-0.00100	U	0.00007	0.00100	MS	11/8/2010	16:32	M01108A, ge
	Calcium	-0.00250	+/-0.10000	U	0.01326	0.10000	MS	11/8/2010	16:32	M01108A, ge
	Chromium	-0.00001	+/-0.00200	U	0.00006	0.00200	MS	11/8/2010	16:32	M01108A, ge
	Cobalt	-0.00001	+/-0.00050	U	0.00002	0.00050	MS	11/8/2010	16:32	M01108A, ge
	Copper	-0.00022	+/-0.00200	U	0.00033	0.00200	MS	11/8/2010	16:32	M01108A, ge
	Iron	0.01471	+/-0.05000	J	0.00354	0.05000	MS	11/8/2010	16:32	M01108A, ge
	Lead	0.00008	+/-0.00100	J	0.00004	0.00100	MS	11/8/2010	16:32	M01108A, ge
	Magnesium	0.00058	+/-0.10000	U	0.00187	0.10000	MS	11/8/2010	16:32	M01108A, ge
	Manganese	0.00005	+/-0.00050	U	0.00010	0.00050	MS	11/8/2010	16:32	M01108A, ge
	Nickel	0.00000	+/-0.00100	U	0.00011	0.00100	MS	11/8/2010	16:32	M01108A, ge
	Potassium	0.01775	+/-0.10000	U	0.03155	0.10000	MS	11/8/2010	16:32	M01108A, ge
	Selenium	0.00077	+/-0.00500	J	0.00050	0.00500	MS	11/8/2010	16:32	M01108A, ge
	Silver	0.00001	+/-0.00100	U	0.00004	0.00100	MS	11/8/2010	16:32	M01108A, ge
	Sodium	-0.00820	+/-0.10000	U	0.01369	0.10000	MS	11/8/2010	16:32	M01108A, ge
	Thallium	0.00003	+/-0.00100	J	0.00002	0.00100	MS	11/8/2010	16:32	M01108A, ge
	Vanadium	0.00005	+/-0.00100	U	0.00008	0.00100	MS	11/8/2010	16:32	M01108A, ge
	Zinc	-0.00088	+/-0.00500	J	0.00065	0.00500	MS	11/8/2010	16:32	M01108A, ge
CCB3			**CCB3**							
	Silver	0.00000	+/-0.00100	U	0.00004	0.00100	MS	11/8/2010	17:37	M01108A, ge
CCB4			**CCB4**							
	Silver	0.00001	+/-0.00100	U	0.00004	0.00100	MS	11/8/2010	18:40	M01108A, ge
CCB5			**CCB5**							
	Silver	0.00000	+/-0.00100	U	0.00004	0.00100	MS	11/8/2010	19:44	M01108A, ge
CCB6			**CCB6**							
	Silver	0.00001	+/-0.00100	U	0.00004	0.00100	MS	11/8/2010	20:41	M01108A, ge

Test America Pittsburgh

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LEO BRAUSCH **SDG No.:** C0J210496

Instrument: ICPMS

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
CCB7	Silver	0.00000	**CCB7** +/-0.00100	U	0.00004	0.00100	MS	11/8/2010	21:39	M01108A. ge
CCB8	Silver	0.00000	**CCB8** +/-0.00100	U	0.00004	0.00100	MS	11/8/2010	22:20	M01108A. ge

TestAmerica Pittsburgh

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: CVAA **Units:** ug/L

Chart Number: G01108A.PRN

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	ICB1 11/8/2010 8:14 AM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Mercury	253.7	0.2	0.0	U								

5.11.0

U Result is less than the MDL

B Result is between MDL and RL

Form 3 Equivalent

TestAmerica Pittsburgh

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: CVAA **Units:** ug/L

Chart Number: G01108A.PRN

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB1 11/8/2010 8:20 AM Found	Q	CCB2 11/8/2010 8:40 AM Found	Q	CCB3 11/8/2010 9:00 AM Found	Q	CCB4 11/8/2010 9:22 AM Found	Q	CCB5 11/8/2010 9:43 AM Found	Q
Mercury	253.7	0.2	0.0	U	0.0	U	0.0	U	0.0	U	0.0	U

5.11.0

U Result is less than the MDL

B Result is between MDL and RL

Form 3 Equivalent

TestAmerica Pittsburgh

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: CVAA **Units:** ug/L

Chart Number: G01108A.PRN

Standard Source: **Standard ID:**

Element	WL/ Mass	Report Limit	CCB6 11/8/2010 10:03 AM Found	Q	CCB7 11/8/2010 10:22 AM Found	Q	Found	Q	Found	Q	Found	Q
Mercury	253.7	0.2	0.0	U	0.0	U						

5.11.0

U Result is less than the MDL

B Result is between MDL and RL

Form 3 Equivalent

Test America Pittsburgh
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INTERFERENCE CHECK SAMPLE

Client: LEO BRAUSCH **SDG No.:** C0J210496

ICS Source: EPA **Instrument ID:** ICPMS

Sample ID Analyte	WL/Mass	Result mg/L	Qual	True Value mg/L	% Recovery	Acceptance Window	Analysis Date	Analysis Time	Run Number
ICSA MET5573-10									
Aluminum	27Al	96.58000		100.00000	96.6	50 - 150%	11/8/2010	15:10	M01108A, g
Antimony	121Sb	0.00031				0.0 - 0.0	11/8/2010	15:10	M01108A, g
Arsenic	75As	0.00009				0.0 - 0.0	11/8/2010	15:10	M01108A, g
Barium	137Ba	0.00013				0.0 - 0.0	11/8/2010	15:10	M01108A, g
Beryllium	9Be	-0.00001				0.0 - 0.0	11/8/2010	15:10	M01108A, g
Cadmium	111Cd	0.00048				0.0 - 0.0	11/8/2010	15:10	M01108A, g
Calcium	44Ca	102.30000		100.00000	102.3	50 - 150%	11/8/2010	15:10	M01108A, g
Chromium	52Cr	0.00000				0.0 - 0.0	11/8/2010	15:10	M01108A, g
Cobalt	59Co	0.00021				0.0 - 0.0	11/8/2010	15:10	M01108A, g
Copper	65Cu	0.00108				0.0 - 0.0	11/8/2010	15:10	M01108A, g
Iron	56Fe	97.97000		100.00000	98.0	50 - 150%	11/8/2010	15:10	M01108A, g
Lead	208Pb	0.00016				0.0 - 0.0	11/8/2010	15:10	M01108A, g
Magnesium	26Mg	100.70000		100.00000	100.7	50 - 150%	11/8/2010	15:10	M01108A, g
Manganese	55Mn	0.00019				0.0 - 0.0	11/8/2010	15:10	M01108A, g
Nickel	60Ni	0.00053				0.0 - 0.0	11/8/2010	15:10	M01108A, g
Potassium	39K	100.30000		100.00000	100.3	50 - 150%	11/8/2010	15:10	M01108A, g
Selenium	82Se	0.00010				0.0 - 0.0	11/8/2010	15:10	M01108A, g
Silver	107Ag	0.00600				0.0 - 0.0	11/8/2010	15:10	M01108A, g
Sodium	23Na	99.42001		100.00000	99.4	50 - 150%	11/8/2010	15:10	M01108A, g
Thallium	205Tl	0.00001				0.0 - 0.0	11/8/2010	15:10	M01108A, g
Vanadium	51V	-0.00040				0.0 - 0.0	11/8/2010	15:10	M01108A, g
Zinc	66Zn	0.00462				0.0 - 0.0	11/8/2010	15:10	M01108A, g

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INTERFERENCE CHECK SAMPLE

Client: LEO BRAUSCH **SDG No.:** C0J210496

ICS Source: EPA **Instrument ID:** ICPMS

Sample ID / Analyte	WL/Mass	Result mg/L	Qual	True Value mg/L	% Recovery	Acceptance Window	Analysis Date	Analysis Time	Run Number
ICSAB MET5574-10									
Aluminum	27Al	97.64001		100.00000	97.6	80 - 120%	11/8/2010	15:15	M01108A, g
Antimony	121Sb	0.02040		0.02000	102.0	80 - 120%	11/8/2010	15:15	M01108A, g
Arsenic	75As	0.02098		0.02000	104.9	80 - 120%	11/8/2010	15:15	M01108A, g
Barium	137Ba	0.01954		0.02000	97.7	80 - 120%	11/8/2010	15:15	M01108A, g
Beryllium	9Be	0.02011		0.02000	100.6	80 - 120%	11/8/2010	15:15	M01108A, g
Cadmium	111Cd	0.01851		0.02000	92.6	80 - 120%	11/8/2010	15:15	M01108A, g
Calcium	44Ca	103.43330		100.00000	103.4	80 - 120%	11/8/2010	15:15	M01108A, g
Chromium	52Cr	0.01848		0.02000	92.4	80 - 120%	11/8/2010	15:15	M01108A, g
Cobalt	59Co	0.01863		0.02000	93.2	80 - 120%	11/8/2010	15:15	M01108A, g
Copper	65Cu	0.01990		0.02000	99.5	80 - 120%	11/8/2010	15:15	M01108A, g
Iron	56Fe	98.48667		100.00000	98.5	80 - 120%	11/8/2010	15:15	M01108A, g
Lead	208Pb	0.02170		0.02000	108.5	80 - 120%	11/8/2010	15:15	M01108A, g
Magnesium	26Mg	101.20000		100.00000	101.2	80 - 120%	11/8/2010	15:15	M01108A, g
Manganese	55Mn	0.01910		0.02200	86.8	80 - 120%	11/8/2010	15:15	M01108A, g
Nickel	60Ni	0.01872		0.02000	93.6	80 - 120%	11/8/2010	15:15	M01108A, g
Potassium	39K	101.20000		100.00000	101.2	80 - 120%	11/8/2010	15:15	M01108A, g
Selenium	82Se	0.05287		0.05000	105.7	80 - 120%	11/8/2010	15:15	M01108A, g
Silver	107Ag	0.02364		0.02000	118.2	80 - 120%	11/8/2010	15:15	M01108A, g
Sodium	23Na	99.67001		100.00000	99.7	80 - 120%	11/8/2010	15:15	M01108A, g
Thallium	205Tl	0.02095		0.02000	104.8	80 - 120%	11/8/2010	15:15	M01108A, g
Vanadium	51V	0.01881		0.02000	94.0	80 - 120%	11/8/2010	15:15	M01108A, g
Zinc	66Zn	0.02377		0.02500	95.1	80 - 120%	11/8/2010	15:15	M01108A, g

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METHOD DETECTION LIMITS

Client: LEO BRAUSCH **SDG No.:** C0J210496

	Analyte	Mass	MDL ug/L	CRQL ug/L
ICPMS		**MDL Date:**	6/6/2009	
	Aluminum	27	2.8	30
	Antimony	121	0.026	2
	Arsenic	75	0.18	1
	Barium	137	0.1	10
	Beryllium	9	0.075	1
	Cadmium	111	0.070	1
	Calcium	44	13.26	100
	Chromium	52	0.06	2
	Cobalt	59	0.02	0.5
	Copper	65	0.33	2
	Iron	56	3.5	50
	Lead	208	0.038	1
	Magnesium	26	1.9	100
	Manganese	55	0.103	0.5
	Nickel	60	0.1	1
	Potassium	39	31.6	100
	Selenium	82	0.50	5
	Silver	107	0.04	1
	Sodium	23	13.7	100
	Thallium	205	0.020	1
	Vanadium	51	0.08	1
	Zinc	66	0.65	5

TestAmerica Pittsburgh

Metals Data Reporting Form

Instrument Detection Limits

Instrument: CVAA **Units:** ppb

Element	Wavelength	Reporting Limit	MDL	Date of MDL
Mercury	253.700	0.2	0.011	3/23/2009

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LINEAR RANGES

Client: LEO BRAUSCH **SDG No.:** C0J210496

Contract: **Lab Code:** STL Pitt. **Case No.:** **SAS No.:**

Instrument ID: ICPMS **Date:** 8/8/2010

Analyte	LDR ug/L
Aluminum	450000
Antimony	20000
Arsenic	4500
Barium	13500
Beryllium	9000
Cadmium	13500
Calcium	1250000
Chromium	13500
Cobalt	13500
Copper	20000
Iron	450000
Lead	20000
Magnesium	1250000
Manganese	20000
Nickel	13500
Potassium	450000
Selenium	4500
Silver	2500
Sodium	450000
Thallium	13500
Vanadium	13500
Zinc	20000

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Metals Data Reporting Form

Linear Dynamic Ranges

Instrument: CVAA **Units:** ppb

Element	Wavelength /Mass	Linear Range	Date of Linear Range
Mercury	253.70	10	10/10/2010

Test America Pittsburgh

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ICP-MS Tune

Lab Name: Test America Pittsburgh Contract:

Lab Code: STL Pitt Case No.: NRAS No.: SDG NO.: C0J210496

ICP-MS Instrument ID: ICPMS Date: 11/8/2010

Element - Mass	Avg. Measured Mass (amu)	Avg. Peak Width at 5% Peak Height (amu)	%RSD
Be_9	9.10218	0.75000	1.7000
Mg_24	23.955041	0.63000	0.4240
Mg_25	24.95583	0.61000	0.9400
Mg_26	25.93259	0.63000	0.6980
Co_59	58.903189	0.73000	0.6190
In_113	112.934404	0.79000	0.9610
In_115	114.93387	0.79000	0.5810
Ce_140	139.935441	0.79000	0.3790
Pb_206	205.984457	0.73000	0.2800
Pb_207	206.985876	0.73000	0.4930
Pb_208	207.986639	0.73000	0.4100

Comments:

METALS RAW DATA

11-9-10

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	PERFORMANCE REPORT	Instrument Setup	1.000	1	1	1	155
2	STD1 MET5812-10 INT STD	Blank	1.000	0	1	1	155
3	STD2X MET5569-10	Fully Quant Standard	1.000	0	1	2	155
4	STD3X MET5570-10	Fully Quant Standard	1.000	0	1	3	155
5	ICV1 MET5571-10	QC Sample	1.000	0	1	5	155
6	ICB1	QC Sample	1.000	0	1	9	155
7	CRI MET5572-10	QC Sample	1.000	0	1	6	155
8	ICSA MET5573-10	QC Sample	1.000	0	1	7	155
9	ICSAB MET5574-10	QC Sample	1.000	0	1	8	155
10	CCV1-1 MET5575-10	QC Sample	1.000	0	1	4	155
11	CCB1	QC Sample	1.000	0	1	9	155
12	L9MM9B	Unknown	1.000	1	1	2	155
13	L9MM9C	Unknown	1.000	1	1	3	155
14	L8VKP	Unknown	1.000	1	1	4	155
15	L8VKW	Unknown	1.000	1	1	5	155
16	L8VK8	Unknown	1.000	1	1	6	155
17	L8VLA	Unknown	1.000	1	1	7	155
18	L8VLH	Unknown	1.000	1	1	8	155
19	L8VLJ	Unknown	1.000	1	1	9	155
20	L9A0JS	Unknown	1.000	1	1	10	155
21	L9A0JD	Unknown	1.000	1	1	11	155
22	CCV1-2	QC Sample	1.000	0	1	4	155
23	CCB2	QC Sample	1.000	0	1	9	155
24	L9A0J	Unknown	1.000	1	1	12	155
25	L9A0JP5	Unknown	1.000	1	2	1	155
26	L9CR2	Unknown	1.000	1	2	2	155
27	L9CT3	Unknown	1.000	1	2	3	155
28	L9CXJ	Unknown	1.000	1	2	4	155
29	L9CXK	Unknown	1.000	1	2	5	155
30	L9MM5B	Unknown	1.000	1	2	6	155
31	L9MM5C	Unknown	1.000	1	2	7	155
32	L9MM5L	Unknown	1.000	1	2	8	155
33	L89FL	Unknown	1.000	1	2	9	155
34	CCV1-3	QC Sample	1.000	0	1	4	155
35	CCB3	QC Sample	1.000	0	1	9	155
36	L9CXL	Unknown	1.000	1	2	10	155
37	L9MNGB	Unknown	1.000	1	2	11	155
38	L9MNGC	Unknown	1.000	1	2	12	155
39	L89EM	Unknown	1.000	1	3	1	155
40	L9J75	Unknown	1.000	1	3	2	155
41	L9J75P5	Unknown	1.000	1	3	3	155
42	L9J75S	Unknown	1.000	1	3	4	155
43	L9J75D	Unknown	1.000	1	3	5	155
44	L9J8X	Unknown	1.000	1	3	6	155
45	L9J83	Unknown	1.000	1	3	7	155
46	CCV1-4	QC Sample	1.000	0	1	4	155
47	CCB4	QC Sample	1.000	0	1	9	155
48	L9J84	Unknown	1.000	1	3	8	155
49	L9J88	Unknown	1.000	1	3	9	155
50	L9J89	Unknown	1.000	1	3	10	155
51	L9J9C	Unknown	1.000	1	3	11	155
52	L9J9D	Unknown	1.000	1	3	12	155
53	L9NMXB	Unknown	1.000	1	4	1	155
54	L9NMXC	Unknown	1.000	1	4	2	155
55	L9EKD	Unknown	1.000	1	4	3	155
56	L9EKG	Unknown	1.000	1	4	4	155
57	L9EKH	Unknown	1.000	1	4	5	155
58	CCV1-5	QC Sample	1.000	0	1	4	155
59	CCB5	QC Sample	1.000	0	1	9	155
60	L9EKJ	Unknown	1.000	1	4	6	155
61	L9EKK	Unknown	1.000	1	4	7	155
62	L9EKL	Unknown	1.000	1	4	8	155
63	L9EKM	Unknown	1.000	1	4	9	155
64	L9EKN	Unknown	1.000	1	4	10	155
65	L9EKP	Unknown	1.000	1	4	11	155
66	L9EKQ	Unknown	1.000	1	4	12	155
67	L9EKR	Unknown	1.000	1	5	1	155

68	L9EKT	Unknown	1.000	1	5	2	155
69	L9EKV	Unknown	1.000	1	5	3	155
70	CCV1-6	QC Sample	1.000	0	1	4	155
71	CCB6	QC Sample	1.000	0	1	9	155
72	L9EKW	Unknown	1.000	1	5	4	155
73	L9EKX	Unknown	1.000	1	5	5	155
74	L9EK0	Unknown	1.000	1	5	6	155
75	L9EK1	Unknown	1.000	1	5	7	155
76	L9EK2	Unknown	1.000	1	5	8	155
77	L9EK3	Unknown	1.000	1	5	9	155
78	L9EK4	Unknown	1.000	1	5	10	155
79	L9EK4P5	Unknown	1.000	1	5	11	155
80	L9EK4S	Unknown	1.000	1	5	12	155
81	L9EK4D	Unknown	1.000	2	1	1	155
82	CCV1-7	QC Sample	1.000	0	1	4	155
83	CCB7	QC Sample	1.000	0	1	9	155
84	L9MM9B	Unknown	1.000	1	1	2	155
85	L9K7GBT	Unknown	1.000	2	1	5	155
86	L9JPTT/10	Unknown	1.000	2	1	6	155
87	L9JPTP50T	Unknown	1.000	2	1	7	155
88	L9CR2/10	Unknown	1.000	2	1	8	155
89	L9CT3/10	Unknown	1.000	2	1	9	155
90	CCV1-8	QC Sample	1.000	0	1	4	155
91	CCB8	QC Sample	1.000	0	1	9	155

Dilution Corrected Concentrations

STD1 MET5812-10 INT STD 11/8/2010 2:41:55 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	-0.000	-0.000	0.000	0.000	-0.000	-0.000	0.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	0.000	0.000	0.000	0.000	-0.000	-0.000	-0.000
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.000	0.000	-0.000	-0.000	-0.000	-0.000		

STD2X MET5569-10 11/8/2010 2:46:10 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		200.000	100000.000	100000.000	1000.000	100000.000	100000.000	200.000	200.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1000.000	50000.000	200.000	200.000	200.000	200.000	200.000	200.000
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		200.000	200.000	0.051	200.000	200.000	200.000		

STD3X MET5570-10 11/8/2010 2:50:27 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.168	64.670	57.350	0.053	58.220	163.000	0.188	0.122
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.662	111.600	0.119	0.156	0.092	0.644	0.308	0.777
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		1.758	0.198	200.000	0.496	0.131	0.142		

ICV1 MET5571-10 11/8/2010 2:54:45 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.909%	99.746%	101.137%	101.557%	102.448%	102.125%	100.846%	101.598%
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.672%	102.604%	101.046%	102.132%	102.552%	103.656%	101.003%	101.554%
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		100.108%	96.490%	101.444%	99.532%	102.073%	98.146%		

ICB1 11/8/2010 3:02:12 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.001	-0.132	-2.604	-5.552	6.932	-6.288	-0.012	-0.035
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.177	2.570	-0.011	-0.021	-0.238	-0.934	0.075	0.392
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.801	-0.042	0.028	-0.031	-0.002	-0.017		

CRI MET5572-10 11/8/2010 3:06:33 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.688%	97.465%	100.446%	86.522%	105.398%	104.941%	95.760%	95.784%
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		85.642%	122.991%	97.730%	102.962%	94.730%	96.866%	112.170%	96.211%
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		145.756%	82.330%	90.474%	89.402%	110.909%	108.409%		

ICSA MET5573-10 11/8/2010 3:10:54 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.011	99420.000	100700.000	96580.000	100300.000	102300.000	-0.402	-0.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.190	97970.000	0.211	0.526	1.083	4.617	0.092	0.100
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		5.998	0.478	0.313	0.133	0.006	0.163		

ICSAB MET5574-10 11/8/2010 3:15:14 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.557%	99.656%	101.200%	97.642%	101.173%	103.460%	94.068%	92.385%
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		83.063%	98.488%	93.178%	93.598%	99.483%	95.100%	104.916%	105.738%
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		118.188%	92.524%	101.985%	97.674%	104.735%	108.526%		

CCV1-1 MET5575-10 11/8/2010 3:22:27 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.675%	96.979%	99.153%	98.573%	98.634%	100.499%	97.322%	97.317%
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.490%	98.421%	97.829%	97.133%	99.479%	103.234%	101.324%	104.407%
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		104.424%	99.809%	97.419%	97.920%	105.455%	105.624%		

CCB1 11/8/2010 3:29:40 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.001	5.098	-0.708	-5.247	22.760	-4.519	-0.004	-0.038
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.134	7.772	-0.009	-0.023	-0.231	-0.940	0.077	0.335
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.384	0.021	0.259	-0.029	0.014	-0.018		

L9MM9B 11/8/2010 3:36:52 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.017	5.699	-2.589	-4.922	38.860	-4.026	0.038	0.127
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.124	13.650	-0.011	0.005	-0.150	-0.373	-0.081	-0.253
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		1.483	0.013	0.163	-0.028	0.077	-0.005		

L9MM9C 11/8/2010 3:41:08 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.070	48830.000	45440.000	1701.000	51220.000	53180.000	464.000	187.100
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		473.700	974.100	466.900	454.600	239.400	493.500	35.240	8.614
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		50.030	46.830	454.600	1781.000	48.570	19.910		

L8VKP 11/8/2010 3:48:18 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.001	134.500	76.910	19.290	112.400	346.700	-0.128	2.961
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.588	31.220	0.031	0.503	2.145	18.300	-0.334	-0.877
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.043	-0.205	0.329	1.649	0.077	0.352		

L8VKW 11/8/2010 3:52:35 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		13.810	2921.000	69490.000	240700.000	16350.000	91580.000	315.100	317.600
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3471.000	434500.000	157.900	429.900	316.100	1610.000	57.360	11.440
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		1.751	12.400	2.697	3777.000	1.920	325.700		

L8VK8 11/8/2010 3:56:52 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		7.928	2488.000	49560.000	142000.000	11700.000	233800.000	205.900	282.400
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2662.000	276300.000	104.100	307.300	330.200	2166.000	52.390	9.091
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		11.290	79.260	5.167	2171.000	1.425	511.200		

L8VLA 11/8/2010 4:01:11 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8.640	3486.000	40540.000	160900.000	15700.000	88900.000	211.500	495.600
Run	Time	55Mn	56Fe	59Co	60Ni	65Cu	66Zn	75As	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1270.000	215900.000	88.660	421.100	417.700	2408.000	20.420	12.650
Run	Time	107Ag	111Cd	121Sb	137Ba	205Tl	208Pb		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		15.020	40.420	11.800	3499.000	2.278	1355.000		

L8VLH 11/8/2010 4:05:29 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		5.228	2574.000	23960.000	94770.000	8105.000	73420.000	138.700	326.000
Run	Time	55Mn	56Fe	59Co	60Ni	65Cu	66Zn	75As	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		761.100	132600.000	55.840	268.100	323.200	1750.000	16.670	7.570
Run	Time	107Ag	111Cd	121Sb	137Ba	205Tl	208Pb		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		11.610	32.370	7.230	1806.000	1.596	969.700		

L8VLJ 11/8/2010 4:09:47 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4.632	2386.000	26250.000	86400.000	8428.000	95080.000	128.100	414.400
Run	Time	55Mn	56Fe	59Co	60Ni	65Cu	66Zn	75As	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		952.100	142500.000	59.370	324.400	378.900	2124.000	25.010	9.635
Run	Time	107Ag	111Cd	121Sb	137Ba	205Tl	208Pb		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		15.840	41.180	9.856	1652.000	1.223	1270.000		

L9A0JS 11/8/2010 4:14:07 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		50.940	45100.000	72110.000	113000.000	63850.000	66070.000	669.300	431.400
Run	Time	55Mn	56Fe	59Co	60Ni	65Cu	66Zn	75As	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8499.000	160000.000	473.700	542.300	381.200	1473.000	96.520	16.380
Run	Time	107Ag	111Cd	121Sb	137Ba	205Tl	208Pb		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		49.670	48.370	263.000	2333.000	48.280	284.500		

L9A0JD 11/8/2010 4:18:27 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.160	44180.000	70900.000	113100.000	63170.000	65020.000	674.000	431.700
Run	Time	55Mn	56Fe	59Co	60Ni	65Cu	66Zn	75As	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8277.000	156600.000	472.400	540.600	376.400	1454.000	94.370	16.140
Run	Time	107Ag	111Cd	121Sb	137Ba	205Tl	208Pb		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		49.680	48.660	263.000	2339.000	48.550	278.300		

CCV1-2 11/8/2010 4:25:38 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.305%	91.180%	95.487%	95.952%	95.844%	99.679%	96.702%	96.742%
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.413%	98.213%	97.591%	97.685%	99.963%	102.646%	101.459%	103.624%
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		103.722%	99.398%	95.960%	97.076%	107.316%	107.794%		

CCB2 11/8/2010 4:32:52 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.005	-8.195	0.582	-4.266	17.750	-2.503	0.053	-0.013
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.046	14.710	-0.005	-0.004	-0.224	-0.878	0.157	0.770
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.005	-0.012	0.356	-0.005	0.026	0.083		

L9A0J 11/8/2010 4:37:13 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4.861	2013.000	25790.000	67760.000	11990.000	17460.000	188.800	218.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		7126.000	133700.000	60.870	120.500	149.300	909.500	54.340	6.198
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		1.539	3.377	2.129	500.500	0.897	226.000		

L9A0JP5 11/8/2010 4:41:31 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.921	386.000	5537.000	14540.000	2470.000	3648.000	39.900	45.610
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1459.000	27510.000	12.230	24.760	30.320	188.400	10.740	-1.068
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.314	0.645	0.344	105.300	0.183	46.110		

L9CR2 11/8/2010 4:45:47 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		13.880	4384.000	197600.000	118300.000	23520.000	458900.000	84.800	7096.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4737.000	374600.000	190.700	2210.000	5142.000	25230.000	195.200	29.050
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		185.600	813.200	47.630	3793.000	17.580	6890.000		

L9CT3 11/8/2010 4:50:05 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		15.000	4517.000	182400.000	119800.000	23340.000	428400.000	92.870	8324.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4489.000	376300.000	200.400	2548.000	6013.000	30410.000	272.100	35.800
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		223.700	919.100	55.730	4453.000	21.210	7780.000		

L9CXJ 11/8/2010 4:54:22 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		11.040	1319.000	30580.000	146900.000	11820.000	49220.000	211.000	183.800
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		5189.000	204900.000	95.470	257.300	1653.000	1705.000	45.840	18.820
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		2.950	7.222	2.034	1591.000	1.886	374.300		

L9CXK 11/8/2010 4:58:41 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		13.860	1547.000	35570.000	175900.000	13330.000	59630.000	242.200	214.600
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		5952.000	248700.000	110.300	312.900	1771.000	1956.000	59.660	21.170
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		3.301	7.832	2.195	1952.000	2.056	421.400		

L9MM5B 11/8/2010 5:05:51 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.018	-21.030	-1.929	-2.635	3.585	-4.416	0.076	0.498
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.072	45.700	-0.014	-0.018	-0.103	-0.093	-0.199	-0.644
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		-0.008	-0.102	-0.044	-0.002	0.010	0.124		

L9MM5C 11/8/2010 5:10:09 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.700	-17.330	0.183	1687.000	13.970	431.300	452.300	188.700
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		447.600	924.900	461.700	462.900	246.900	487.900	36.640	9.660
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		50.430	45.420	0.091	1806.000	46.680	19.410		

L9MM5L 11/8/2010 5:14:28 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		52.230	-16.050	0.080	1709.000	12.900	437.100	458.100	190.200

Run	Time	55Mn	56Fe	59Co	60Ni	65Cu	66Zn	75As	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		457.600	924.500	469.800	467.300	250.300	489.700	37.430	10.490

Run	Time	107Ag	111Cd	121Sb	137Ba	205Tl	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb
x		50.880	45.900	0.094	1828.000	47.310	19.540

L89FL 11/8/2010 5:23:07 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.007	-18.610	-0.563	-1.499	7.447	9.425	0.654	7.525

Run	Time	55Mn	56Fe	59Co	60Ni	65Cu	66Zn	75As	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.022	4.542	-0.008	0.040	0.129	4.700	0.361	0.964

Run	Time	107Ag	111Cd	121Sb	137Ba	205Tl	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb
x		-0.003	-0.119	0.001	0.055	0.107	0.232

CCV1-3 11/8/2010 5:30:19 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		104.828%	94.211%	99.135%	100.216%	97.448%	99.781%	98.940%	98.587%

Run	Time	55Mn	56Fe	59Co	60Ni	65Cu	66Zn	75As	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.872%	99.945%	98.412%	99.078%	100.623%	103.566%	101.926%	104.583%

Run	Time	107Ag	111Cd	121Sb	137Ba	205Tl	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb
x		103.384%	99.921%	95.815%	97.697%	105.523%	106.123%

CCB3 11/8/2010 5:37:33 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.014	-9.555	2.186	-4.083	13.860	-0.647	-0.027	-0.016

Run	Time	55Mn	56Fe	59Co	60Ni	65Cu	66Zn	75As	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.038	15.770	0.000	-0.023	-0.185	-0.753	0.156	0.781

Run	Time	107Ag	111Cd	121Sb	137Ba	205Tl	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb
x		0.002	-0.028	0.400	0.011	0.021	0.098

L9CXL 11/8/2010 5:41:55 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.020	187.200	-0.613	1.261	50.140	53.330	0.221	2.216

Run	Time	55Mn	56Fe	59Co	60Ni	65Cu	66Zn	75As	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.466	9.188	-0.008	0.157	0.279	2.551	0.095	-0.064

Run	Time	107Ag	111Cd	121Sb	137Ba	205Tl	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb
x		0.005	-0.150	0.697	0.092	0.037	0.213

L9MNGB 11/8/2010 5:46:15 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.024	-22.100	-2.009	-4.557	9.916	-3.927	0.026	0.358
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.128	-2.398	-0.005	0.002	-0.070	-0.349	0.263	0.751
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		-0.006	-0.107	-0.006	-0.008	0.018	0.049		

L9MNGC 11/8/2010 5:50:35 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.310	-8.129	7.284	1693.000	44.020	495.700	454.000	189.700
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		452.200	926.200	460.900	461.600	246.600	473.600	36.040	9.046
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		50.490	45.520	444.800	1792.000	46.540	19.420		

L89EM 11/8/2010 5:57:47 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		12.770	155.800	1106.000	114300.000	1905.000	1659.000	383.700	190.500
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		593.600	398400.000	36.730	75.240	67.320	232.800	46.230	4.703
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.067	0.974	1.738	107.800	0.656	64.970		

L9J75 11/8/2010 6:02:04 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		7.772	632.900	21180.000	85410.000	3177.000	62800.000	261.300	103.800
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2837.000	133100.000	66.220	73.470	188.400	589.800	24.740	7.763
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.544	24.830	2.227	652.900	0.896	649.400		

L9J75P5 11/8/2010 6:06:21 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.644	111.800	4551.000	18480.000	674.000	12960.000	55.190	22.160
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		584.600	27460.000	13.400	15.260	37.460	120.700	4.235	-1.528
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.107	4.981	0.466	138.200	0.199	129.800		

L9J75S 11/8/2010 6:10:39 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		53.490	843.800	28940.000	158300.000	5930.000	76200.000	752.600	302.500
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3342.000	163200.000	454.300	491.400	392.800	1224.000	58.540	17.040
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		47.180	79.190	241.600	2431.000	48.590	808.900		

L9J75D 11/8/2010 6:14:57 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		53.060	986.800	34860.000	165900.000	6394.000	90900.000	712.600	278.600
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3152.000	154400.000	448.800	488.200	365.500	1095.000	53.960	16.600
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		46.630	72.240	233.100	2443.000	48.310	636.200		

L9J8X 11/8/2010 6:22:08 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		6.019	316.100	9957.000	73550.000	2788.000	18140.000	300.500	111.900
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3554.000	154000.000	58.650	74.980	146.500	929.700	24.460	6.720
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.468	6.038	12.630	771.400	0.989	2110.000		

L9J83 11/8/2010 6:26:27 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		6.230	483.600	11120.000	88890.000	5459.000	32050.000	313.300	136.900
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3774.000	162000.000	62.750	94.600	236.400	1210.000	29.120	7.332
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.670	9.128	3.684	828.500	1.107	964.200		

CCV1-4 11/8/2010 6:33:39 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.355%	93.026%	97.834%	99.716%	97.404%	100.533%	99.915%	99.176%
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.191%	99.906%	98.940%	98.816%	101.241%	102.866%	102.561%	104.679%
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		102.627%	99.402%	96.516%	98.065%	104.464%	104.971%		

CCB4 11/8/2010 6:40:53 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.008	-8.252	8.626	1.112	13.600	4.914	0.054	0.009
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.276	20.850	0.017	0.001	-0.181	-0.728	-0.003	0.139
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.010	-0.036	0.325	0.077	0.034	0.140		

L9J84 11/8/2010 6:45:14 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4.933	253.800	6604.000	89400.000	4424.000	9785.000	327.700	139.900
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2878.000	170500.000	67.690	75.250	202.700	706.100	33.850	5.735
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.473	2.580	3.412	539.200	1.049	384.300		

L9J88 11/8/2010 6:49:33 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		7.485	207.400	6016.000	86920.000	3169.000	8695.000	307.400	103.100
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4765.000	160200.000	127.900	94.490	151.900	466.400	18.210	6.228
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.431	1.974	1.296	465.900	0.835	251.200		

L9J89 11/8/2010 6:53:54 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4.067	481.900	10960.000	34600.000	1540.000	46200.000	270.900	83.450
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1884.000	147900.000	40.070	43.470	159.800	197.200	18.800	6.403
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.239	1.338	1.448	314.100	0.470	196.800		

L9J9C 11/8/2010 6:58:14 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.380	770.700	15050.000	109800.000	4236.000	42810.000	351.900	154.100
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		7906.000	195900.000	123.700	126.600	256.000	1692.000	35.790	9.375
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		1.118	10.070	12.050	1172.000	1.194	4802.000		

L9J9D 11/8/2010 7:02:34 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8.973	684.200	20430.000	96640.000	3802.000	63100.000	305.400	140.100
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		5261.000	161700.000	86.400	94.030	223.000	1433.000	35.590	8.933
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.978	6.073	14.360	2511.000	0.952	4002.000		

L9NMXB 11/8/2010 7:09:47 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.019	-15.960	3.648	2.935	4.588	11.000	0.084	0.460
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.273	47.570	-0.000	0.020	-0.086	-0.002	0.001	0.131
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		-0.010	-0.061	-0.039	0.189	0.005	0.304		

L9NMXC 11/8/2010 7:14:04 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		48.360	44350.000	45100.000	1709.000	46980.000	49830.000	456.300	182.300
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		440.400	964.900	441.900	440.500	232.100	473.100	35.670	10.650
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		47.400	45.040	436.100	1695.000	46.310	19.060		

L9EKD 11/8/2010 7:21:15 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		14.940	1953.000	30470.000	101800.000	10700.000	63330.000	196.600	532.200
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		13640.000	406500.000	249.200	550.600	474.800	4580.000	131.900	15.160
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		6.004	19.100	4.983	1473.000	3.093	988.200		

L9EKG 11/8/2010 7:25:33 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		11.400	1458.000	24120.000	81080.000	9046.000	49030.000	183.100	262.200
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		11300.000	373100.000	170.500	349.900	364.700	2148.000	112.300	11.090
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		1.869	8.815	4.095	1194.000	2.359	548.900		

L9EKH 11/8/2010 7:29:51 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		13.880	1421.000	16980.000	81420.000	7195.000	20000.000	196.100	191.300
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		9647.000	401100.000	209.400	329.100	454.800	2163.000	139.600	10.920
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		1.496	7.852	5.838	1187.000	2.029	578.400		

CCV1-5 11/8/2010 7:37:03 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.638%	91.742%	96.894%	98.663%	97.397%	100.304%	98.531%	98.263%
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.923%	100.029%	97.674%	98.270%	99.115%	101.815%	101.599%	103.028%
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		101.616%	98.516%	96.878%	97.907%	102.125%	102.614%		

CCB5 11/8/2010 7:44:17 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.005	-12.730	6.145	-2.266	10.080	1.649	0.035	0.002
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.212	17.680	0.007	-0.017	-0.242	-0.800	-0.159	-0.642
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.004	-0.049	0.333	0.030	0.022	0.099		

L9EKJ 11/8/2010 7:48:38 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		13.890	1982.000	19490.000	93270.000	8046.000	16700.000	207.100	159.600
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8773.000	362600.000	217.600	322.500	453.200	2192.000	129.600	10.780
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		1.303	7.579	4.963	1455.000	1.945	489.100		

L9EKK 11/8/2010 7:52:57 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		15.510	2636.000	22380.000	107200.000	8956.000	15510.000	226.600	179.300
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8837.000	362200.000	252.500	380.600	517.800	2946.000	136.000	11.580
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		1.633	11.220	4.320	1682.000	2.574	570.800		

L9EKL 11/8/2010 7:57:16 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		13.700	1683.000	21540.000	93450.000	8273.000	25750.000	208.400	190.300
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10860.000	373400.000	184.700	350.400	387.000	1718.000	154.400	11.470
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		1.314	8.447	4.265	1452.000	2.091	401.400		

L9EKM 11/8/2010 8:01:36 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		14.770	2517.000	25420.000	104900.000	9042.000	42700.000	202.000	536.300
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		13600.000	389700.000	244.600	505.200	420.200	3859.000	137.600	14.110
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		5.608	16.610	3.432	1543.000	2.446	833.600		

L9EKN 11/8/2010 8:05:56 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		12.530	2402.000	26080.000	96130.000	9357.000	51210.000	201.900	364.400
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		12570.000	407100.000	176.900	385.500	355.500	2344.000	120.400	11.600
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		2.529	10.210	3.808	1441.000	2.364	542.200		

L9EKP 11/8/2010 8:10:17 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.330	2004.000	19610.000	87630.000	6375.000	17690.000	192.700	159.700
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10040.000	303800.000	129.000	223.800	162.800	721.300	79.190	6.770
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.563	3.424	1.560	1508.000	1.219	151.000		

L9EKQ 11/8/2010 8:14:38 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.890	2205.000	21170.000	93380.000	6861.000	16240.000	197.800	158.900
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		7914.000	311100.000	130.400	224.800	173.000	745.500	83.430	7.722
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.536	3.339	1.570	1372.000	1.273	160.300		

L9EKR 11/8/2010 8:18:57 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		11.310	581.900	21250.000	97540.000	7077.000	16860.000	209.100	164.800
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8419.000	341100.000	139.000	250.100	192.600	833.900	93.810	7.295
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.665	4.188	1.664	1687.000	1.348	164.400		

L9EKT 11/8/2010 8:23:15 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		12.250	696.900	23000.000	106200.000	7496.000	19250.000	224.900	173.500
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		11130.000	362500.000	154.000	265.100	189.600	856.900	106.300	7.606
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.516	4.123	1.748	1654.000	1.463	176.200		

L9EKV 11/8/2010 8:27:33 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		11.330	634.500	20890.000	98410.000	6795.000	16110.000	211.500	157.400
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10670.000	342800.000	138.900	235.900	176.700	785.900	101.900	7.179
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.511	3.621	1.685	1614.000	1.321	168.100		

CCV1-6 11/8/2010 8:34:45 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.386%	91.517%	96.167%	98.637%	98.215%	99.780%	100.582%	100.221%
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.368%	102.791%	99.399%	99.259%	100.359%	101.093%	102.466%	104.950%
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		101.032%	99.049%	97.138%	98.865%	100.267%	100.361%		

CCB6 11/8/2010 8:41:58 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.000	-15.160	7.632	-1.300	4.951	1.637	0.018	-0.012
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.286	20.560	0.008	-0.019	-0.235	-0.824	-0.396	-1.654
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.008	-0.075	0.290	0.049	0.020	0.077		

L9EKW 11/8/2010 8:46:19 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.260	676.500	18490.000	89260.000	6300.000	14360.000	196.200	149.800
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		9853.000	325600.000	123.500	216.300	160.400	734.300	93.420	6.227
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.584	3.498	2.331	1668.000	1.154	141.800		

L9EKX 11/8/2010 8:50:38 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.430	695.000	19310.000	92260.000	5986.000	14370.000	201.100	153.500
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10290.000	329500.000	131.800	224.400	166.900	742.700	92.630	6.505
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.439	3.921	1.820	1374.000	1.170	146.400		

L9EK0 11/8/2010 8:54:58 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		5.853	480.400	10630.000	34960.000	3107.000	10780.000	118.900	94.700
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		13330.000	303800.000	89.780	152.900	107.500	465.800	100.900	7.120
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.280	3.279	1.720	1381.000	0.572	81.170		

L9EK1 11/8/2010 8:59:17 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		5.534	470.100	13030.000	52300.000	4467.000	9695.000	128.200	94.670
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		15570.000	243500.000	85.630	151.300	97.810	437.500	88.430	4.567
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.212	2.423	1.476	1309.000	0.748	86.890		

L9EK2 11/8/2010 9:03:36 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.280	492.300	21640.000	89540.000	7668.000	21790.000	204.700	172.100
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		7922.000	331500.000	129.200	235.700	177.500	731.200	95.790	6.357
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.458	3.718	2.282	1400.000	1.198	163.300		

L9EK3 11/8/2010 9:07:57 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		9.194	436.400	18150.000	73100.000	6992.000	16440.000	175.800	174.400
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		6733.000	299700.000	112.800	203.300	151.000	620.500	91.730	5.314
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.386	3.237	1.693	1112.000	0.989	123.700		

L9EK4 11/8/2010 9:12:17 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10.190	517.500	21590.000	89920.000	8037.000	19540.000	201.500	189.300
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		5626.000	309900.000	113.500	225.900	168.500	682.500	83.630	6.103
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.464	3.251	1.700	1349.000	1.200	138.400		

L9EK4P5 11/8/2010 9:16:38 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.009	87.580	4522.000	18590.000	1726.000	4183.000	41.280	38.910
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1126.000	62260.000	22.320	44.800	33.170	139.400	15.550	-1.489
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.086	0.600	0.304	286.400	0.234	27.490		

L9EK4S 11/8/2010 9:20:59 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		54.340	38680.000	64600.000	144700.000	53710.000	61360.000	663.200	387.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		5690.000	303300.000	499.400	625.600	356.100	1086.000	110.700	13.320
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		46.010	46.480	222.700	3176.000	43.740	161.900		

L9EK4D 11/8/2010 9:25:19 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		52.890	39040.000	63970.000	139300.000	53780.000	60780.000	645.500	362.900
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		6373.000	314800.000	500.200	614.900	356.000	1088.000	121.400	13.180
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		45.500	46.530	233.500	3014.000	43.500	172.200		

CCV1-7 11/8/2010 9:32:31 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.334%	92.095%	95.434%	100.270%	100.535%	99.071%	102.442%	103.248%
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.048%	106.511%	102.279%	102.533%	101.920%	101.404%	103.034%	105.273%
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		100.523%	98.360%	97.674%	99.377%	99.055%	99.414%		

CCB7 11/8/2010 9:39:45 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.005	-16.600	5.578	-2.113	11.180	0.207	0.026	-0.009
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.187	21.840	0.007	-0.031	-0.274	-0.856	-0.411	-1.852
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.002	-0.065	0.385	0.031	0.047	0.055		

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User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.020	-22.500	-2.152	-4.655	4.723	-8.346	0.054	0.068
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.078	23.930	-0.013	-0.037	-0.257	-0.545	-0.465	-1.941
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		-0.006	-0.129	0.255	-0.004	0.021	-0.001		

L9K7GBT 11/8/2010 9:48:23 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.023	-19.840	-1.302	1.290	22.280	8.191	0.204	2.760
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.031	22.590	-0.013	0.039	0.132	7.521	0.302	0.830
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		-0.000	-0.162	0.574	0.234	0.021	0.075		

L9JPTT/10 11/8/2010 9:52:43 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.313	195900.000	257.300	63.020	284000.000	2380.000	-115.500	-351.500
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		26.230	65.870	0.279	4.074	337.600	430.300	33.380	5.542
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.024	3.304	7.259	4.905	0.120	31.340		

L9JPTP50T 11/8/2010 9:57:03 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.015	39520.000	50.270	8.887	57100.000	535.400	-13.900	-42.170
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4.932	9.191	0.040	0.748	62.790	82.750	3.774	1.371
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		-0.008	0.655	1.418	1.031	0.026	6.854		

L9CR2/10 11/8/2010 10:01:24 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.390	391.400	21180.000	13290.000	2453.000	47150.000	19.760	814.500
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		519.000	43570.000	20.960	252.700	530.500	2644.000	19.250	2.162
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		18.890	85.580	5.123	386.100	1.858	767.600		

L9CT3/10 11/8/2010 10:05:45 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.508	407.200	19440.000	13190.000	2437.000	43510.000	18.680	920.400
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		482.900	42740.000	21.550	278.900	607.200	3185.000	26.640	2.230
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		22.430	96.860	5.952	451.600	2.237	857.600		

CCV1-8 11/8/2010 10:12:57 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.853%	92.715%	94.402%	99.106%	100.958%	98.349%	101.146%	101.594%
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.903%	106.234%	101.064%	101.464%	100.442%	101.626%	101.418%	106.505%
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		100.193%	98.801%	98.271%	98.127%	97.000%	96.924%		

CCB8 11/8/2010 10:20:09 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

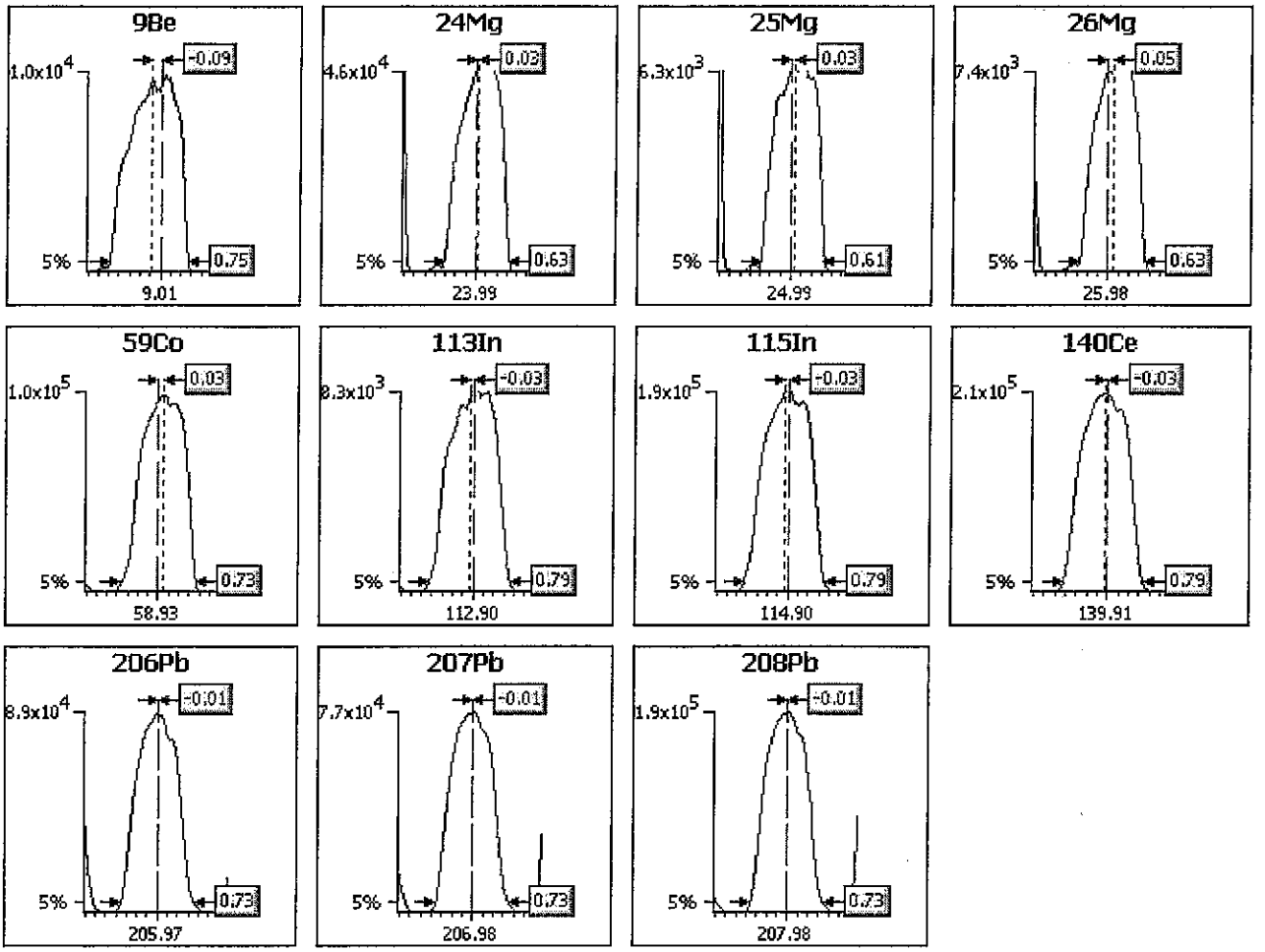
Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.002	-13.350	7.100	-1.150	12.370	2.371	-0.012	-0.192
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.142	13.580	0.011	-0.020	-0.261	-0.736	-0.512	-2.567
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.002	-0.108	0.272	0.037	0.015	0.016		

Performance Report

Sample details
Sample name : PERFORMANCE REPORT
Acquired at : 11/8/2010 2:22:05 PM
Report name : EPA ILMO5.2/6020A 2.1 [9/26/2009 3:21:00 PM]

Mass Calibration verification

Acquisition parameters
Sweeps : 25
Dwell : 2.0 mSecs
Point spacing : 0.02 amu
Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.90	0.45	0.10	0.75	-0.09
24Mg	0.90	0.45	0.10	0.63	0.03
25Mg	0.90	0.45	0.10	0.61	0.03
26Mg	0.90	0.45	0.10	0.63	0.05
59Co	0.90	0.45	0.10	0.73	0.03
113In	0.90	0.45	0.10	0.79	-0.03
115In	0.90	0.45	0.10	0.79	-0.03
140Ce	0.90	0.45	0.10	0.79	-0.03
206Pb	0.90	0.45	0.10	0.73	-0.01
207Pb	0.90	0.45	0.10	0.73	-0.01
208Pb	0.90	0.45	0.10	0.73	-0.01

Sample details
Sample name : PERFORMANCE REPORT
Acquired at : 11/8/2010 2:22:05 PM
Report name : EPA ILMO5.2/6020A 2.1 [9/26/2009 3:21:00 PM]

Tune conditions

Major	
Extraction	-188
Lens 1	3.8
Focus	26.7
D1	-34.5
Pole Bias	2.0
Hexapole Bias	-4.0
Nebuliser	0.75
Sampling Depth	150

Minor	
Lens 2	-28.2
Lens 3	-192.2
Forward power	1349
Horizontal	77
Vertical	433
D2	-151
DA	-54.1
Cool	15.0
Auxiliary	0.80

Global	
Standard resolution	n/a
High resolution	n/a
Analogue Detector	n/a
PC Detector	n/a

Add. Gases	
He/H2	0.00
He/NH3	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 150

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	56Ar O	59Co	137Ba++
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	-	5.0%	-
	Countrate	-	>1000	>1000	>1000	>1000	-	>10000	-
1	2:22:53 PM	0	8512	40636	6034	7447	260572	95866	3
2	2:24:18 PM	0	8463	40656	6092	7314	238091	94856	1
3	2:25:43 PM	1	8427	40390	6174	7373	228315	94909	2
4	2:27:08 PM	0	8218	40853	6166	7330	224478	94223	2
5	2:28:33 PM	0	8209	40750	6106	7366	222816	94897	4
x		0	8366	40657	6115	7366	234854	94950	2
σ		0.09	142.20	172.21	57.49	51.38	15550.52	587.43	1.21
%RSD		20.963	1.700	0.424	0.940	0.698	6.621	0.619	53.429

Run	Time	138Ba++	101Bkg	113In	115In	138Ba	140Ce	156Ce O	206Pb
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	-	5.0%	5.0%	-	5.0%	-	5.0%
	Countrate	-	-	>200	>10000	-	>10000	-	>1000
1	2:22:53 PM	23	0	8441	191711	1295	209748	2761	86565
2	2:24:18 PM	18	0	8328	189447	1177	210090	2757	86392
3	2:25:43 PM	20	0	8265	189229	1075	211173	2777	86192
4	2:27:08 PM	21	0	8237	189012	1067	210889	2699	86818
5	2:28:33 PM	18	0	8354	189430	1105	211705	2727	86662
x		20	0	8325	189766	1144	210721	2744	86526
σ		2.22	0.13	79.97	1101.70	95.20	797.70	30.98	242.24
%RSD		11.083	40.074	0.961	0.581	8.322	0.379	1.129	0.280

Run	Time	207Pb	208Pb	220Bkg
Dwell (mSecs)		0.0	0.0	0.0
Limits	%RSD	5.0%	5.0%	-
	Countrate	>1000	>5000	<100
1	2:22:53 PM	78283	185426	0
2	2:24:18 PM	77316	183524	0
3	2:25:43 PM	77788	184152	1
4	2:27:08 PM	78194	184506	1
5	2:28:33 PM	77970	185102	0
x		77910	184542	0
σ		384.32	755.72	0.23
%RSD		0.493	0.410	57.735

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0500
1	2:22:53 PM	0
2	2:24:18 PM	0

3	2:25:43 PM	0
4	2:27:08 PM	0
5	2:28:33 PM	0
x		0.0130
σ		0.00
%RSD		1.3074

Result : The performance report passed.

Dilution Corrected Concentrations

STD1 MET5812-10 INT STD 11/8/2010 2:41:55 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:42:38	100.111%	0.018	0.108	0.100	0.000	-0.219	0.073	-0.114
2	14:43:21	99.450%	-0.007	-0.088	-0.059	0.000	0.345	0.034	-0.022
3	14:44:04	100.439%	-0.011	-0.019	-0.041	0.000	-0.126	-0.108	0.136
x		100.000%	0.000	-0.000	0.000	0.000	-0.000	-0.000	-0.000
σ		0.504%	0.016	0.099	0.087	0.000	0.303	0.095	0.126
%RSD		0.504	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:42:38	0.027	0.010	0.000	0.031	2.955	0.331	99.606%	-0.039
2	14:43:21	-0.105	-0.026	0.000	0.068	-1.881	0.275	100.316%	0.023
3	14:44:04	0.078	0.016	0.000	-0.099	-1.074	-0.606	100.078%	0.016
x		0.000	0.000	0.000	0.000	-0.000	-0.000	100.000%	-0.000
σ		0.095	0.023	0.000	0.088	2.591	0.525	0.361%	0.034
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.361	0.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:42:38	0.003	-0.001	-0.006	0.565	0.894	-0.003	0.003	0.026
2	14:43:21	-0.002	0.011	0.006	-0.020	-0.289	0.000	0.000	-0.019
3	14:44:04	-0.001	-0.010	0.001	-0.545	-0.606	0.003	-0.003	-0.006
x		-0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
σ		0.003	0.010	0.006	0.555	0.791	0.003	0.003	0.023
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:42:38	0.020	0.036	-0.004	0.055	0.527	0.294	0.000	-0.008
2	14:43:21	-0.031	0.013	-0.041	-0.017	-0.255	-0.122	0.000	0.007
3	14:44:04	0.011	-0.049	0.045	-0.038	-0.272	-0.173	0.000	0.001
x		0.000	-0.000	-0.000	-0.000	0.000	-0.000	0.000	0.000
σ		0.027	0.044	0.043	0.049	0.456	0.256	0.000	0.007
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:42:38	99.186%	0.007	0.005	99.285%	-0.001	-0.002	0.021	0.023
2	14:43:21	100.094%	-0.000	-0.006	99.939%	0.000	-0.001	0.007	0.003
3	14:44:04	100.720%	-0.007	0.001	100.776%	0.001	0.003	-0.027	-0.026
x		100.000%	0.000	0.000	100.000%	0.000	-0.000	0.000	-0.000
σ		0.771%	0.007	0.006	0.748%	0.001	0.003	0.025	0.025
%RSD		0.771	0.000	0.000	0.748	0.000	0.000	0.000	0.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:42:38	99.098%	0.018	0.010	0.001	0.004	-0.001	98.985%	98.510%
2	14:43:21	100.141%	-0.037	-0.010	0.000	0.001	-0.006	100.575%	100.576%
3	14:44:04	100.761%	0.019	0.000	-0.002	-0.005	0.007	100.441%	100.914%
x		100.000%	-0.000	-0.000	-0.000	0.000	-0.000	100.000%	100.000%
σ		0.840%	0.032	0.010	0.001	0.005	0.007	0.882%	1.301%
%RSD		0.840	0.000	0.000	0.000	0.000	0.000	0.882	1.301

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	14:42:38	0.001	0.000	0.007	0.009	0.007	98.598%
2	14:43:21	0.000	0.002	-0.000	-0.012	-0.006	100.444%
3	14:44:04	-0.001	-0.002	-0.006	0.004	-0.001	100.958%
x		-0.000	-0.000	-0.000	0.000	-0.000	100.000%
σ		0.001	0.002	0.006	0.011	0.006	1.241%
%RSD		0.000	0.000	0.000	0.000	0.000	1.241

STD2X MET5569-10 11/8/2010 2:46:10 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:46:53	86.863%	201.500	0.459	0.475	0.000	99720.000	99350.000	99520.000
2	14:47:36	88.023%	200.700	0.467	0.359	0.000	99610.000	99710.000	99560.000
3	14:48:19	88.283%	197.800	0.444	0.325	0.000	100700.000	100900.000	100900.000
x		87.723%	200.000	0.456	0.386	0.000	100000.000	100000.000	100000.000
σ		0.756%	1.941	0.012	0.079	0.000	581.700	833.200	794.900
%RSD		0.862	0.971	2.537	20.360	0.000	0.582	0.833	0.795

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:46:53	1001.000	5.678	0.000	99410.000	100100.000	99360.000	86.087%	0.052
2	14:47:36	997.000	5.450	0.000	99720.000	99660.000	99970.000	87.867%	0.166
3	14:48:19	1002.000	5.550	0.000	100900.000	100300.000	100700.000	87.988%	-0.017
x		1000.000	5.559	0.000	100000.000	100000.000	100000.000	87.314%	0.067
σ		2.634	0.114	0.000	768.300	321.400	659.700	1.064%	0.093
%RSD		0.263	2.055	0.000	0.768	0.321	0.660	1.219	138.600

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:46:53	201.300	201.100	1003.000	50060.000	49960.000	199.800	200.200	200.900
2	14:47:36	198.800	199.700	995.900	49850.000	50000.000	200.300	201.000	199.200
3	14:48:19	199.900	199.200	1001.000	50090.000	50040.000	200.000	198.800	199.800
x		200.000	200.000	1000.000	50000.000	50000.000	200.000	200.000	200.000
σ		1.221	0.941	3.627	128.500	39.500	0.237	1.098	0.875
%RSD		0.610	0.470	0.363	0.257	0.079	0.119	0.549	0.438

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:46:53	199.600	200.700	200.600	200.000	199.600	199.400	0.000	199.400
2	14:47:36	199.600	198.500	199.700	199.600	200.600	200.100	0.000	200.400
3	14:48:19	200.700	200.800	199.700	200.500	199.800	200.600	0.000	200.200
x		200.000	200.000	200.000	200.000	200.000	200.000	0.000	200.000
σ		0.649	1.261	0.540	0.466	0.526	0.587	0.000	0.550
%RSD		0.324	0.631	0.270	0.233	0.263	0.293	0.000	0.275

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:46:53	83.008%	0.155	0.045	80.887%	185.100	185.300	200.400	200.000
2	14:47:36	84.960%	0.213	0.047	82.928%	206.100	206.100	200.600	200.600
3	14:48:19	85.880%	0.231	0.052	83.860%	208.800	208.600	199.000	199.400
x		84.616%	0.200	0.048	82.558%	200.000	200.000	200.000	200.000
σ		1.466%	0.040	0.004	1.520%	13.010	12.780	0.893	0.627
%RSD		1.733	19.840	7.586	1.842	6.503	6.392	0.446	0.314

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:46:53	80.764%	0.182	0.055	0.047	200.400	199.100	82.321%	82.987%
2	14:47:36	82.205%	0.108	0.047	0.047	199.500	199.600	84.903%	85.057%
3	14:48:19	83.411%	0.099	0.050	0.039	200.200	201.200	85.607%	85.978%
x		82.127%	0.130	0.051	0.045	200.000	200.000	84.277%	84.674%
σ		1.325%	0.046	0.004	0.005	0.460	1.101	1.730%	1.532%
%RSD		1.614	35.140	8.088	11.120	0.230	0.551	2.053	1.810

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	14:46:53	195.000	195.000	195.300	194.700	194.300	91.038%
2	14:47:36	200.000	200.300	199.900	200.100	200.200	90.401%
3	14:48:19	205.000	204.700	204.800	205.200	205.500	89.157%
x		200.000	200.000	200.000	200.000	200.000	90.199%
σ		5.012	4.877	4.776	5.299	5.588	0.956%
%RSD		2.506	2.439	2.388	2.650	2.794	1.060

STD3X MET5570-10 11/8/2010 2:50:27 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:10	86.965%	0.205	203.700	201.700	0.000	66.670	59.020	58.610
2	14:51:53	90.077%	0.138	197.200	199.500	0.000	63.360	58.610	56.530
3	14:52:36	89.954%	0.161	199.100	198.700	0.000	63.970	56.440	56.920
x		88.999%	0.168	200.000	200.000	0.000	64.670	58.020	57.350
σ		1.762%	0.034	3.324	1.549	0.000	1.757	1.387	1.109
%RSD		1.980	20.300	1.662	0.775	0.000	2.717	2.390	1.934

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:10	0.386	10200.000	0.000	59.690	65.760	164.600	94.010%	199.900
2	14:51:53	-0.072	9942.000	0.000	58.160	65.860	161.800	93.693%	199.600
3	14:52:36	-0.153	9857.000	0.000	56.810	47.920	162.700	93.823%	200.500
x		0.053	10000.000	0.000	58.220	59.840	163.000	93.842%	200.000
σ		0.291	179.300	0.000	1.443	10.330	1.425	0.160%	0.465
%RSD		544.800	1.793	0.000	2.479	17.260	0.874	0.170	0.233

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:10	0.197	0.114	0.657	171.200	168.300	0.124	0.157	-0.003
2	14:51:53	0.204	0.128	0.686	95.730	89.930	0.124	0.155	0.024
3	14:52:36	0.165	0.124	0.642	67.830	63.750	0.110	0.157	-0.037
x		0.188	0.122	0.662	111.600	107.300	0.119	0.156	-0.005
σ		0.021	0.008	0.022	53.480	54.420	0.008	0.001	0.031
%RSD		11.080	6.177	3.354	47.930	50.700	6.740	0.580	596.400

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:10	0.124	0.659	0.501	0.423	7.268	1.359	0.000	0.144
2	14:51:53	0.082	0.689	0.563	0.261	5.685	0.606	0.000	0.137
3	14:52:36	0.070	0.584	0.414	0.241	5.642	0.367	0.000	0.147
x		0.092	0.644	0.493	0.308	6.198	0.777	0.000	0.143
σ		0.028	0.054	0.075	0.099	0.926	0.517	0.000	0.005
%RSD		30.660	8.410	15.220	32.230	14.950	66.560	0.000	3.696

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:10	92.387%	193.700	193.500	93.918%	1.967	1.899	0.305	-0.280
2	14:51:53	92.862%	201.800	201.800	94.220%	1.701	1.702	0.114	-0.227
3	14:52:36	93.330%	204.500	204.700	94.693%	1.605	1.583	0.174	-0.246
x		92.860%	200.000	200.000	94.277%	1.758	1.728	0.198	-0.251
σ		0.471%	5.618	5.785	0.390%	0.188	0.160	0.098	0.027
%RSD		0.508	2.809	2.893	0.414	10.680	9.232	49.390	10.680

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:10	92.054%	199.600	196.900	196.900	0.185	0.474	91.772%	92.020%
2	14:51:53	93.582%	199.500	200.300	200.500	0.226	0.522	93.512%	93.417%
3	14:52:36	93.670%	200.900	202.700	202.600	0.171	0.491	93.995%	94.103%
x		93.102%	200.000	200.000	200.000	0.194	0.496	93.093%	93.180%
σ		0.908%	0.749	2.912	2.865	0.029	0.024	1.169%	1.061%
%RSD		0.976	0.374	1.456	1.433	14.790	4.867	1.256	1.139

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:10	0.138	0.136	0.138	0.150	0.144	91.720%
2	14:51:53	0.133	0.133	0.138	0.122	0.139	93.698%
3	14:52:36	0.119	0.125	0.135	0.138	0.143	94.150%
x		0.130	0.131	0.137	0.137	0.142	93.190%
σ		0.010	0.006	0.002	0.014	0.003	1.292%
%RSD		7.675	4.315	1.456	10.130	1.921	1.387

ICV1 MET5571-10 11/8/2010 2:54:45 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:55:42	88.122%	81.850	80.940	80.550	0.000	39820.000	40300.000	40390.000
2	14:56:25	87.828%	82.010	81.890	81.110	0.000	40090.000	40810.000	40670.000
3	14:57:08	88.759%	80.730	80.700	79.420	0.000	39780.000	40420.000	40300.000
x		88.237%	101.909%	101.466%	100.453%	0.000	99.746%	101.275%	101.137%
σ		0.476%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.539	0.856	0.776	1.072	0.000	0.428	0.652	0.482

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:55:42	409.800	4129.000	0.000	41150.000	40800.000	40870.000	88.216%	81.850
2	14:56:25	405.500	4069.000	0.000	40910.000	40620.000	40860.000	88.082%	81.770
3	14:57:08	403.400	4060.000	0.000	40890.000	40430.000	40820.000	87.975%	80.640
x		101.557%	102.150%	0.000	102.448%	101.539%	102.125%	88.091%	101.776%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.121%	n/a
%RSD		0.814	0.925	0.000	0.352	0.454	0.073	0.137	0.835

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:55:42	80.990	81.370	403.000	20570.000	20560.000	81.490	82.020	83.010
2	14:56:25	80.660	81.420	403.000	20600.000	20580.000	80.760	81.770	81.590
3	14:57:08	80.380	81.050	402.100	20390.000	20420.000	80.250	81.330	81.250
x		100.846%	101.598%	100.672%	102.604%	102.587%	101.046%	102.132%	102.438%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.374	0.248	0.133	0.558	0.424	0.770	0.424	1.137

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:55:42	82.910	83.940	83.130	81.400	85.730	81.450	0.000	76.500
2	14:56:25	81.890	82.230	82.670	79.840	85.230	82.240	0.000	76.420
3	14:57:08	81.320	82.600	82.980	81.170	82.900	80.040	0.000	76.690
x		102.552%	103.656%	103.657%	101.003%	105.774%	101.554%	0.000	95.671%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.981	1.086	0.282	1.046	1.787	1.369	0.000	0.177

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:55:42	90.614%	78.590	77.550	95.723%	80.130	81.430	76.900	79.430
2	14:56:25	91.344%	79.450	79.570	95.990%	79.970	81.530	77.420	79.210
3	14:57:08	91.326%	79.530	79.350	96.179%	80.170	81.190	77.250	79.060
x		91.095%	98.990%	98.530%	95.964%	100.108%	101.728%	96.490%	99.044%
σ		0.417%	n/a	n/a	0.230%	n/a	n/a	n/a	n/a
%RSD		0.457	0.659	1.412	0.239	0.130	0.217	0.340	0.231

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:55:42	87.241%	78.900	82.260	82.730	79.180	80.000	86.197%	86.297%
2	14:56:25	87.950%	78.270	80.600	80.950	79.850	80.010	86.957%	87.721%
3	14:57:08	88.282%	78.190	80.600	80.630	78.670	78.870	87.619%	87.456%
x		87.824%	98.065%	101.444%	101.795%	99.046%	99.532%	86.924%	87.158%
σ		0.532%	n/a	n/a	n/a	n/a	n/a	0.711%	0.757%
%RSD		0.605	0.497	1.183	1.388	0.748	0.824	0.819	0.869

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	14:55:42	81.230	81.230	78.950	76.900	77.980	96.217%
2	14:56:25	81.680	81.580	79.940	77.760	78.680	97.371%
3	14:57:08	81.840	82.170	80.160	77.740	78.890	97.317%
x		101.975%	102.073%	99.602%	96.831%	98.146%	96.968%
σ		n/a	n/a	n/a	n/a	n/a	0.651%
%RSD		0.387	0.586	0.807	0.637	0.604	0.671

ICB1 11/8/2010 3:02:12 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:02:55	94.447%	-0.001	0.676	0.622	0.000	-0.169	-2.970	-2.695
2	15:03:38	93.188%	-0.010	0.534	0.531	0.000	0.113	-2.885	-2.749
3	15:04:22	93.846%	0.012	0.527	0.529	0.000	-0.340	-2.581	-2.369
x		93.827%	0.001	0.579	0.561	0.000	-0.132	-2.812	-2.604
σ		0.630%	0.011	0.084	0.053	0.000	0.228	0.204	0.206
%RSD		0.671	1683.000	14.490	9.460	0.000	173.100	7.265	7.893
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:02:55	-5.613	-0.446	0.000	7.859	-7.277	-5.765	90.992%	-0.131
2	15:03:38	-5.545	-0.911	0.000	5.887	-6.425	-6.142	91.846%	-0.139
3	15:04:22	-5.498	-0.970	0.000	7.050	-2.979	-6.957	92.072%	-0.117
x		-5.552	-0.776	0.000	6.932	-5.561	-6.288	91.637%	-0.129
σ		0.058	0.287	0.000	0.992	2.275	0.609	0.569%	0.011
%RSD		1.038	37.060	0.000	14.300	40.920	9.683	0.621	8.871
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:02:55	-0.006	-0.034	-0.172	3.278	8.955	-0.010	-0.011	-0.287
2	15:03:38	-0.012	-0.040	-0.180	2.337	6.231	-0.014	-0.036	-0.260
3	15:04:22	-0.017	-0.032	-0.178	2.095	6.739	-0.008	-0.014	-0.287
x		-0.012	-0.035	-0.177	2.570	7.308	-0.011	-0.021	-0.278
σ		0.006	0.004	0.004	0.625	1.449	0.003	0.014	0.016
%RSD		50.290	11.890	2.214	24.310	19.820	31.720	66.920	5.662
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:02:55	-0.230	-0.940	-0.967	0.113	6.553	0.504	0.000	-0.036
2	15:03:38	-0.228	-0.936	-0.896	0.090	6.089	0.529	0.000	-0.036
3	15:04:22	-0.257	-0.926	-0.984	0.021	6.509	0.142	0.000	-0.037
x		-0.238	-0.934	-0.949	0.075	6.384	0.392	0.000	-0.036
σ		0.016	0.007	0.047	0.048	0.256	0.217	0.000	0.001
%RSD		6.695	0.754	4.930	64.730	4.011	55.380	0.000	1.738
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:02:55	90.798%	1.042	0.952	103.953%	0.806	0.792	-0.061	-0.047
2	15:03:38	91.808%	1.054	0.975	104.945%	0.809	0.791	-0.050	-0.041
3	15:04:22	91.870%	0.932	0.869	104.974%	0.788	0.808	-0.015	-0.010
x		91.492%	1.009	0.932	104.624%	0.801	0.797	-0.042	-0.033
σ		0.602%	0.067	0.056	0.581%	0.011	0.010	0.024	0.020
%RSD		0.658	6.664	6.004	0.555	1.393	1.225	56.390	60.320
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:02:55	98.266%	-0.455	0.023	0.037	-0.044	-0.029	90.078%	90.334%
2	15:03:38	99.597%	-0.441	0.035	0.045	-0.035	-0.028	91.143%	91.393%
3	15:04:22	100.657%	-0.414	0.025	0.051	-0.038	-0.037	91.839%	92.190%
x		99.507%	-0.437	0.028	0.044	-0.039	-0.031	91.020%	91.305%
σ		1.198%	0.021	0.006	0.007	0.005	0.005	0.887%	0.931%
%RSD		1.204	4.796	23.180	15.890	12.320	15.350	0.974	1.020
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:02:55	0.002	-0.004	-0.018	-0.019	-0.021	85.294%		
2	15:03:38	-0.001	-0.001	-0.019	-0.020	-0.015	87.295%		
3	15:04:22	-0.004	-0.002	-0.008	-0.032	-0.014	88.345%		
x		-0.001	-0.002	-0.015	-0.024	-0.017	86.978%		
σ		0.003	0.002	0.006	0.007	0.004	1.550%		
%RSD		346.200	84.870	39.040	31.080	23.200	1.782		

CRI MET5572-10 11/8/2010 3:06:33 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:16	94.023%	0.913	4.742	5.003	0.000	96.940	96.020	100.600
2	15:07:59	93.380%	1.030	5.408	4.974	0.000	97.700	98.880	100.700
3	15:08:42	93.377%	1.047	4.538	5.120	0.000	97.760	100.900	100.100
x		93.594%	99.688%	97.917%	100.646%	0.000	97.465%	98.615%	100.446%
σ		0.372%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.398	7.320	9.299	1.532	0.000	0.464	2.510	0.326
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:16	26.160	470.200	0.000	106.800	105.600	105.300	90.772%	4.740
2	15:07:59	25.500	468.000	0.000	105.600	104.500	104.300	90.991%	4.319
3	15:08:42	26.210	460.400	0.000	103.700	88.160	105.200	91.601%	4.822
x		86.522%	93.242%	0.000	105.398%	99.414%	104.941%	91.121%	92.543%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.429%	n/a
%RSD		1.534	1.106	0.000	1.475	9.821	0.534	0.471	5.829
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:16	0.919	1.888	0.408	64.570	67.190	0.500	1.046	1.861
2	15:07:59	0.972	1.947	0.429	61.950	62.520	0.489	1.040	1.855
3	15:08:42	0.982	1.912	0.448	57.970	61.540	0.477	1.003	1.887
x		95.760%	95.784%	85.642%	122.991%	127.499%	97.730%	102.962%	93.376%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		3.550	1.545	4.653	5.406	4.734	2.412	2.244	0.899
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:16	1.868	4.796	4.742	1.097	11.600	4.518	0.000	4.675
2	15:07:59	1.914	4.850	5.025	1.116	11.280	5.074	0.000	4.803
3	15:08:42	1.902	4.884	4.882	1.152	10.980	4.840	0.000	4.740
x		94.730%	96.866%	97.664%	112.170%	225.693%	96.211%	0.000	94.789%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.252	0.908	2.900	2.515	2.730	5.802	0.000	1.341
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:16	89.102%	4.426	4.237	115.607%	1.435	1.508	0.940	0.872
2	15:07:59	90.089%	4.720	4.439	116.791%	1.509	1.504	0.742	0.783
3	15:08:42	90.941%	4.647	4.401	117.338%	1.429	1.505	0.787	0.823
x		90.044%	91.952%	87.182%	116.579%	145.756%	150.585%	82.330%	82.581%
σ		0.921%	n/a	n/a	0.885%	n/a	n/a	n/a	n/a
%RSD		1.022	3.331	2.472	0.759	3.077	0.150	12.600	5.370
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:16	98.877%	4.026	1.797	1.816	8.854	8.925	88.273%	88.919%
2	15:07:59	100.210%	3.917	1.837	1.743	8.897	9.107	90.389%	91.100%
3	15:08:42	101.289%	4.007	1.795	1.757	8.868	8.789	91.465%	92.025%
x		100.125%	79.674%	90.474%	88.604%	88.729%	89.402%	90.043%	90.681%
σ		1.208%	n/a	n/a	n/a	n/a	n/a	1.624%	1.595%
%RSD		1.207	1.460	1.315	2.191	0.246	1.783	1.804	1.759
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:07:16	1.065	1.097	1.051	1.054	1.064	89.256%		
2	15:07:59	1.102	1.109	1.052	1.113	1.080	90.721%		
3	15:08:42	1.067	1.121	1.109	1.119	1.108	91.333%		
x		107.816%	110.909%	107.092%	109.538%	108.409%	90.436%		
σ		n/a	n/a	n/a	n/a	n/a	1.067%		
%RSD		1.929	1.100	3.105	3.273	2.014	1.180		

ICSA MET5573-10 11/8/2010 3:10:54 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:37	79.208%	-0.006	1.505	1.737	0.000	98950.000	103600.000	100600.000
2	15:12:20	80.074%	-0.021	1.773	1.496	0.000	99510.000	104800.000	101100.000
3	15:13:03	79.695%	-0.006	1.223	1.547	0.000	99810.000	104300.000	100500.000
x		79.659%	-0.011	1.500	1.593	0.000	99420.000	104200.000	100700.000
σ		0.434%	0.009	0.275	0.127	0.000	435.400	583.200	299.100
%RSD		0.545	81.790	18.320	7.966	0.000	0.438	0.560	0.297
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:37	97090.000	19.980	0.000	99900.000	100600.000	101800.000	84.601%	2087.000
2	15:12:20	96610.000	19.460	0.000	100500.000	101300.000	102200.000	85.733%	2088.000
3	15:13:03	96040.000	18.970	0.000	100600.000	101700.000	102900.000	85.984%	2085.000
x		96580.000	19.470	0.000	100300.000	101200.000	102300.000	85.439%	2087.000
σ		525.300	0.506	0.000	375.600	564.400	532.700	0.737%	1.457
%RSD		0.544	2.601	0.000	0.374	0.558	0.521	0.862	0.070
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:37	-0.364	-0.013	0.187	98520.000	98420.000	0.213	0.549	0.437
2	15:12:20	-0.380	0.049	0.181	97970.000	98350.000	0.197	0.527	0.404
3	15:13:03	-0.462	-0.037	0.202	97430.000	97560.000	0.222	0.501	0.311
x		-0.402	-0.000	0.190	97970.000	98110.000	0.211	0.526	0.384
σ		0.053	0.045	0.011	546.000	478.400	0.013	0.024	0.065
%RSD		13.090	15500.000	5.873	0.557	0.488	5.940	4.550	16.940
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:37	1.137	4.696	3.600	0.121	4.023	0.291	0.000	5.195
2	15:12:20	1.078	4.547	3.410	0.098	2.728	0.108	0.000	5.286
3	15:13:03	1.035	4.609	3.458	0.057	1.919	-0.099	0.000	5.201
x		1.083	4.617	3.489	0.092	2.890	0.100	0.000	5.227
σ		0.051	0.075	0.099	0.032	1.061	0.195	0.000	0.051
%RSD		4.724	1.628	2.837	34.890	36.710	194.800	0.000	0.977
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:37	85.852%	1969.000	2021.000	82.526%	6.501	6.482	0.508	0.342
2	15:12:20	87.851%	2068.000	2122.000	83.774%	6.033	5.978	0.441	0.305
3	15:13:03	88.482%	2165.000	2162.000	84.579%	5.461	5.449	0.486	0.344
x		87.395%	2068.000	2102.000	83.626%	5.998	5.970	0.478	0.330
σ		1.373%	98.140	72.660	1.034%	0.521	0.516	0.034	0.022
%RSD		1.571	4.746	3.457	1.237	8.682	8.647	7.138	6.588
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:37	83.345%	-0.067	0.338	0.317	0.122	0.140	87.605%	87.836%
2	15:12:20	85.968%	-0.056	0.304	0.321	0.134	0.115	90.561%	90.577%
3	15:13:03	87.202%	-0.158	0.297	0.305	0.142	0.145	91.650%	92.283%
x		85.505%	-0.093	0.313	0.314	0.133	0.133	89.938%	90.232%
σ		1.970%	0.056	0.022	0.008	0.010	0.016	2.093%	2.243%
%RSD		2.304	60.050	6.969	2.522	7.401	12.200	2.328	2.486
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:11:37	0.012	0.011	0.155	0.143	0.139	112.862%		
2	15:12:20	0.009	0.004	0.183	0.144	0.163	104.531%		
3	15:13:03	0.006	0.004	0.196	0.181	0.186	99.008%		
x		0.009	0.006	0.178	0.156	0.163	105.467%		
σ		0.003	0.004	0.021	0.022	0.024	6.974%		
%RSD		33.260	64.230	11.590	13.960	14.440	6.613		

ICSAB MET5574-10 11/8/2010 3:15:14 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:57	80.996%	20.040	47.150	46.700	0.000	99410.000	104800.000	102000.000
2	15:16:40	81.144%	20.320	48.330	45.490	0.000	100200.000	104700.000	101000.000
3	15:17:24	81.893%	19.980	46.720	45.630	0.000	99400.000	104600.000	100600.000
x		81.345%	100.557%	94.798%	91.884%	0.000	99.656%	104.700%	101.200%
σ		0.481%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.591	0.889	1.761	1.444	0.000	0.435	0.121	0.689

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:57	98330.000	524.700	0.000	100600.000	102000.000	103400.000	85.930%	2093.000
2	15:16:40	97400.000	517.200	0.000	101400.000	102700.000	103300.000	86.254%	2100.000
3	15:17:24	97190.000	517.700	0.000	101600.000	102700.000	103600.000	86.053%	2113.000
x		97.642%	103.970%	0.000	101.173%	102.481%	103.460%	86.079%	105.095%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.164%	n/a
%RSD		0.623	0.809	0.000	0.536	0.403	0.142	0.190	0.478

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:57	18.710	18.550	19.210	98540.000	98630.000	18.630	18.740	19.110
2	15:16:40	18.820	18.250	18.880	98310.000	98530.000	18.660	19.020	19.150
3	15:17:24	18.910	18.630	19.220	98610.000	98850.000	18.610	18.410	19.250
x		94.068%	92.385%	83.063%	98.488%	98.669%	93.178%	93.598%	95.844%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.554	1.088	1.023	0.161	0.169	0.120	1.625	0.373

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:57	20.020	23.830	22.080	21.270	53.630	52.440	0.000	25.040
2	15:16:40	19.860	23.750	22.320	20.880	53.460	53.060	0.000	24.860
3	15:17:24	19.810	23.740	22.190	20.800	52.860	53.110	0.000	25.250
x		99.483%	95.100%	88.795%	104.916%	106.638%	105.738%	0.000	125.249%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.547	0.218	0.542	1.196	0.758	0.705	0.000	0.790

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:57	87.663%	1937.000	1913.000	100.592%	24.130	24.390	18.240	19.260
2	15:16:40	88.657%	2040.000	1958.000	102.099%	23.720	24.390	18.570	18.880
3	15:17:24	88.988%	2053.000	1962.000	101.579%	23.060	23.770	18.710	18.840
x		88.436%	100.498%	97.227%	101.423%	118.188%	120.908%	92.524%	94.960%
σ		0.689%	n/a	n/a	0.766%	n/a	n/a	n/a	n/a
%RSD		0.779	3.173	1.395	0.755	2.270	1.485	1.311	1.218

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:57	89.210%	96.600	20.210	20.400	19.790	19.600	89.488%	89.731%
2	15:16:40	90.137%	97.410	20.490	20.500	19.150	19.740	90.852%	90.875%
3	15:17:24	90.802%	96.870	20.500	20.600	19.210	19.270	91.804%	92.546%
x		90.050%	96.962%	101.985%	102.506%	96.914%	97.674%	90.714%	91.051%
σ		0.800%	n/a	n/a	n/a	n/a	n/a	1.164%	1.416%
%RSD		0.888	0.427	0.799	0.483	1.831	1.232	1.283	1.555

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:57	20.520	20.520	21.300	21.320	21.270	90.521%
2	15:16:40	20.820	20.980	21.590	21.500	21.780	90.264%
3	15:17:24	21.090	21.340	21.960	21.900	22.060	90.056%
x		104.056%	104.735%	108.082%	107.861%	108.526%	90.280%
σ		n/a	n/a	n/a	n/a	n/a	0.233%
%RSD		1.364	1.979	1.529	1.387	1.831	0.258

CCV1-1 MET5575-10 11/8/2010 3:22:27 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:23:10	89.865%	98.460	94.670	92.010	0.000	48080.000	49580.000	49330.000
2	15:23:53	89.382%	98.960	94.810	94.600	0.000	48290.000	49760.000	49410.000
3	15:24:36	87.883%	101.600	97.850	95.650	0.000	49100.000	50440.000	49990.000
x		89.043%	99.675%	95.781%	94.086%	0.000	96.979%	99.850%	99.153%
σ		1.034%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.161	1.695	1.877	1.993	0.000	1.110	0.909	0.735

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:23:10	491.200	4912.000	0.000	49140.000	49680.000	50060.000	89.651%	100.300
2	15:23:53	491.100	4919.000	0.000	49400.000	49600.000	50300.000	90.391%	98.970
3	15:24:36	496.300	4940.000	0.000	49410.000	50110.000	50380.000	90.087%	99.630
x		98.573%	98.476%	0.000	98.634%	99.595%	100.499%	90.043%	99.642%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.372%	n/a
%RSD		0.611	0.300	0.000	0.303	0.543	0.329	0.413	0.681

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:23:10	97.800	97.190	504.700	24630.000	24580.000	98.010	97.250	99.130
2	15:23:53	97.280	97.950	485.900	24590.000	24590.000	97.920	97.090	98.620
3	15:24:36	96.890	96.810	486.800	24590.000	24540.000	97.560	97.060	98.720
x		97.322%	97.317%	98.490%	98.421%	98.280%	97.829%	97.133%	98.824%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.467	0.593	2.148	0.080	0.109	0.242	0.104	0.271

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:23:10	99.260	103.700	102.100	101.700	106.500	103.500	0.000	99.320
2	15:23:53	99.380	102.700	103.400	101.200	106.200	104.400	0.000	99.290
3	15:24:36	99.800	103.400	103.300	101.000	106.000	105.300	0.000	99.060
x		99.479%	103.234%	102.910%	101.324%	106.219%	104.407%	0.000	99.221%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.287	0.499	0.720	0.324	0.245	0.867	0.000	0.143

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:23:10	88.572%	104.000	104.500	87.606%	104.100	105.000	99.620	100.000
2	15:23:53	89.334%	109.500	109.700	88.320%	104.500	105.400	99.060	100.400
3	15:24:36	89.538%	111.500	112.600	88.372%	104.700	104.700	100.700	99.970
x		89.148%	108.326%	108.933%	88.100%	104.424%	104.997%	99.809%	100.139%
σ		0.509%	n/a	n/a	0.428%	n/a	n/a	n/a	n/a
%RSD		0.571	3.585	3.804	0.486	0.304	0.330	0.860	0.240

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:23:10	86.913%	96.780	95.330	95.330	98.230	97.980	88.696%	88.879%
2	15:23:53	87.107%	97.880	97.980	98.470	98.570	97.970	89.179%	89.471%
3	15:24:36	87.626%	97.020	98.940	99.260	98.050	97.810	89.671%	90.064%
x		87.215%	97.226%	97.419%	97.689%	98.282%	97.920%	89.182%	89.471%
σ		0.369%	n/a	n/a	n/a	n/a	n/a	0.487%	0.593%
%RSD		0.423	0.592	1.920	2.126	0.273	0.094	0.547	0.662

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:23:10	105.300	105.400	105.500	105.800	105.800	89.389%
2	15:23:53	105.000	105.600	105.500	105.600	105.800	90.324%
3	15:24:36	104.300	105.400	105.400	105.200	105.300	90.818%
x		104.887%	105.455%	105.470%	105.506%	105.624%	90.177%
σ		n/a	n/a	n/a	n/a	n/a	0.726%
%RSD		0.530	0.122	0.087	0.300	0.280	0.805

CCB1 11/8/2010 3:29:40 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:23	95.408%	0.003	0.946	0.624	0.000	3.508	-1.894	-1.906
2	15:31:06	94.598%	-0.019	0.461	0.519	0.000	5.999	-0.067	-0.323
3	15:31:49	95.683%	0.012	0.695	0.458	0.000	5.788	-0.285	0.106
x		95.230%	-0.001	0.701	0.533	0.000	5.098	-0.749	-0.708
σ		0.564%	0.016	0.242	0.084	0.000	1.381	0.998	1.060
%RSD		0.592	1155.000	34.600	15.780	0.000	27.090	133.200	149.800
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:23	-5.512	-1.677	0.000	22.360	-3.915	-5.649	93.362%	-0.043
2	15:31:06	-5.164	-1.757	0.000	22.850	-3.983	-3.706	94.741%	-0.038
3	15:31:49	-5.064	-1.659	0.000	23.080	-4.014	-4.202	95.285%	-0.061
x		-5.247	-1.698	0.000	22.760	-3.971	-4.519	94.463%	-0.047
σ		0.235	0.052	0.000	0.366	0.051	1.010	0.991%	0.012
%RSD		4.484	3.060	0.000	1.610	1.273	22.340	1.049	25.470
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:23	-0.007	-0.033	-0.146	8.478	13.090	-0.011	-0.030	-0.268
2	15:31:06	0.001	-0.051	-0.128	7.617	13.810	-0.007	-0.016	-0.260
3	15:31:49	-0.007	-0.029	-0.127	7.220	11.650	-0.009	-0.024	-0.247
x		-0.004	-0.038	-0.134	7.772	12.850	-0.009	-0.023	-0.258
σ		0.005	0.012	0.011	0.643	1.100	0.002	0.007	0.011
%RSD		110.200	30.820	7.957	8.277	8.555	20.900	29.150	4.069
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:23	-0.271	-0.954	-0.881	0.193	8.888	0.805	0.000	-0.034
2	15:31:06	-0.221	-0.932	-0.936	-0.061	7.552	-0.343	0.000	-0.030
3	15:31:49	-0.203	-0.935	-0.928	0.098	7.791	0.541	0.000	-0.030
x		-0.231	-0.940	-0.915	0.077	8.077	0.335	0.000	-0.031
σ		0.035	0.012	0.030	0.128	0.712	0.601	0.000	0.002
%RSD		15.250	1.286	3.258	167.500	8.816	179.700	0.000	7.317
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:23	93.057%	5.023	5.088	95.432%	0.397	0.422	0.009	0.004
2	15:31:06	94.872%	4.883	4.761	96.196%	0.410	0.429	-0.013	-0.008
3	15:31:49	95.577%	4.332	4.450	97.195%	0.344	0.422	0.069	0.038
x		94.502%	4.746	4.767	96.274%	0.384	0.424	0.021	0.011
σ		1.300%	0.365	0.319	0.884%	0.035	0.004	0.042	0.024
%RSD		1.376	7.698	6.692	0.918	9.045	0.906	196.200	215.800
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:30:23	93.053%	-0.452	0.266	0.261	-0.031	-0.031	91.835%	91.648%
2	15:31:06	94.786%	-0.469	0.273	0.264	-0.038	-0.029	94.181%	93.907%
3	15:31:49	95.355%	-0.446	0.239	0.236	-0.041	-0.028	94.965%	94.795%
x		94.398%	-0.456	0.259	0.253	-0.036	-0.029	93.660%	93.450%
σ		1.199%	0.012	0.018	0.015	0.005	0.002	1.629%	1.623%
%RSD		1.270	2.634	6.771	6.013	13.910	5.564	1.739	1.736
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	15:30:23	0.017	0.015	-0.012	-0.015	-0.016	95.962%		
2	15:31:06	0.018	0.015	-0.020	-0.021	-0.018	99.147%		
3	15:31:49	0.026	0.013	-0.019	-0.020	-0.019	101.033%		
x		0.020	0.014	-0.017	-0.019	-0.018	98.714%		
σ		0.005	0.001	0.004	0.003	0.002	2.563%		
%RSD		23.870	8.063	24.140	15.250	8.817	2.596		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:37:34	95.320%	-0.014	0.533	0.335	0.000	5.353	-2.863	-2.562
2	15:38:17	96.180%	-0.014	0.226	0.268	0.000	5.803	-2.767	-2.656
3	15:39:00	96.031%	-0.023	0.245	0.231	0.000	5.941	-2.796	-2.548
x		95.844%	-0.017	0.335	0.278	0.000	5.699	-2.809	-2.589
σ		0.460%	0.005	0.172	0.053	0.000	0.307	0.049	0.059
%RSD		0.480	29.070	51.440	18.990	0.000	5.394	1.741	2.272

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:37:34	-4.762	-0.606	0.000	40.920	-5.571	-3.738	92.040%	0.012
2	15:38:17	-4.987	-1.110	0.000	40.100	-3.824	-3.340	91.597%	0.059
3	15:39:00	-5.016	-1.322	0.000	35.550	-9.022	-5.000	92.253%	0.057
x		-4.922	-1.012	0.000	38.860	-6.139	-4.026	91.963%	0.043
σ		0.139	0.368	0.000	2.895	2.645	0.867	0.335%	0.026
%RSD		2.828	36.340	0.000	7.451	43.090	21.520	0.364	61.600

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:37:34	0.080	0.155	-0.135	20.230	23.620	-0.011	-0.003	-0.118
2	15:38:17	-0.045	0.126	-0.125	13.280	15.970	-0.010	0.007	-0.167
3	15:39:00	0.079	0.101	-0.114	7.460	11.430	-0.013	0.012	-0.166
x		0.038	0.127	-0.124	13.650	17.010	-0.011	0.005	-0.150
σ		0.072	0.027	0.010	6.392	6.161	0.001	0.007	0.028
%RSD		188.900	21.180	8.313	46.810	36.220	11.570	139.800	18.630

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:37:34	-0.119	-0.339	-0.272	0.005	5.749	-0.102	0.000	-0.034
2	15:38:17	-0.177	-0.387	-0.480	-0.184	5.161	-0.422	0.000	-0.033
3	15:39:00	-0.153	-0.394	-0.535	-0.064	4.697	-0.234	0.000	-0.035
x		-0.150	-0.373	-0.429	-0.081	5.203	-0.253	0.000	-0.034
σ		0.029	0.030	0.139	0.096	0.527	0.161	0.000	0.001
%RSD		19.360	8.042	32.340	118.100	10.140	63.670	0.000	3.300

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:37:34	91.512%	3.255	3.298	93.523%	1.796	1.820	0.051	0.029
2	15:38:17	92.303%	3.052	2.939	93.970%	1.469	1.433	-0.001	-0.015
3	15:39:00	92.880%	2.547	2.457	94.251%	1.185	1.212	-0.012	-0.013
x		92.232%	2.951	2.898	93.915%	1.483	1.489	0.013	0.000
σ		0.686%	0.365	0.422	0.367%	0.305	0.308	0.034	0.025
%RSD		0.744	12.360	14.560	0.391	20.590	20.680	265.000	6270.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:37:34	91.049%	1.043	0.192	0.198	-0.008	-0.033	92.363%	92.553%
2	15:38:17	92.248%	0.754	0.163	0.181	-0.034	-0.022	94.138%	93.600%
3	15:39:00	92.666%	0.620	0.134	0.155	-0.034	-0.029	94.335%	94.636%
x		91.988%	0.806	0.163	0.178	-0.025	-0.028	93.612%	93.596%
σ		0.840%	0.217	0.029	0.022	0.015	0.006	1.086%	1.041%
%RSD		0.913	26.870	17.730	12.140	60.160	19.760	1.160	1.112

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:37:34	0.127	0.118	0.002	-0.010	-0.004	108.889%
2	15:38:17	0.059	0.072	0.005	-0.017	-0.007	106.035%
3	15:39:00	0.040	0.042	0.003	-0.007	-0.005	105.081%
x		0.075	0.077	0.003	-0.011	-0.005	106.668%
σ		0.046	0.039	0.001	0.005	0.002	1.981%
%RSD		60.440	49.830	39.070	44.690	34.260	1.857

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:51	81.849%	50.530	989.400	883.100	0.000	48800.000	49500.000	45800.000
2	15:42:34	83.529%	49.580	986.200	872.800	0.000	48910.000	48750.000	45270.000
3	15:43:17	85.146%	50.090	998.500	878.700	0.000	48780.000	48970.000	45250.000
x		83.508%	50.070	991.400	878.200	0.000	48830.000	49070.000	45440.000
σ		1.648%	0.476	6.416	5.199	0.000	70.040	387.700	309.300
%RSD		1.974	0.950	0.647	0.592	0.000	0.143	0.790	0.681

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:51	1715.000	7059.000	0.000	50660.000	52580.000	52600.000	73.701%	950.000
2	15:42:34	1705.000	7046.000	0.000	51260.000	53180.000	53330.000	72.431%	958.500
3	15:43:17	1684.000	6967.000	0.000	51760.000	54490.000	53630.000	72.207%	956.900
x		1701.000	7024.000	0.000	51220.000	53410.000	53180.000	72.780%	955.100
σ		15.880	49.820	0.000	550.800	976.800	530.900	0.806%	4.535
%RSD		0.934	0.709	0.000	1.075	1.829	0.998	1.107	0.475

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:51	463.100	184.900	470.300	974.900	1166.000	461.200	449.700	234.300
2	15:42:34	464.800	188.500	473.600	974.500	1151.000	469.400	456.400	237.300
3	15:43:17	464.100	187.900	477.100	972.900	1149.000	470.100	457.800	236.300
x		464.000	187.100	473.700	974.100	1155.000	466.900	454.600	236.000
σ		0.839	1.901	3.382	1.042	9.443	4.947	4.331	1.523
%RSD		0.181	1.016	0.714	0.107	0.817	1.060	0.953	0.645

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:51	237.500	484.600	489.600	35.070	9.147	7.872	0.000	948.800
2	15:42:34	239.700	499.100	496.500	35.270	8.199	9.052	0.000	948.200
3	15:43:17	241.100	496.700	499.800	35.380	7.504	8.918	0.000	950.300
x		239.400	493.500	495.300	35.240	8.284	8.614	0.000	949.100
σ		1.784	7.767	5.164	0.160	0.825	0.646	0.000	1.070
%RSD		0.745	1.574	1.043	0.453	9.958	7.503	0.000	0.113

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:51	83.623%	982.500	994.000	80.842%	50.000	50.520	47.430	43.020
2	15:42:34	83.738%	997.200	1012.000	81.075%	49.710	50.260	46.240	42.780
3	15:43:17	83.459%	1006.000	1019.000	80.844%	50.390	50.750	46.820	42.600
x		83.607%	995.200	1008.000	80.920%	50.030	50.510	46.830	42.800
σ		0.140%	11.890	12.940	0.134%	0.340	0.249	0.598	0.208
%RSD		0.168	1.195	1.283	0.166	0.679	0.493	1.277	0.487

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:51	82.986%	1893.000	453.800	451.200	1796.000	1784.000	92.211%	93.623%
2	15:42:34	83.642%	1887.000	452.400	448.500	1793.000	1777.000	92.448%	93.817%
3	15:43:17	82.672%	1907.000	457.700	454.200	1797.000	1783.000	91.981%	93.814%
x		83.100%	1896.000	454.600	451.300	1796.000	1781.000	92.214%	93.751%
σ		0.495%	9.849	2.771	2.846	2.077	3.918	0.234%	0.111%
%RSD		0.596	0.520	0.610	0.631	0.116	0.220	0.253	0.118

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:51	46.900	47.590	18.700	20.440	19.580	100.513%
2	15:42:34	48.320	49.040	19.190	20.800	19.970	99.057%
3	15:43:17	48.650	49.080	19.350	20.920	20.180	97.812%
x		47.960	48.570	19.080	20.720	19.910	99.127%
σ		0.928	0.849	0.339	0.250	0.304	1.352%
%RSD		1.934	1.748	1.777	1.207	1.526	1.364

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:01	97.969%	-0.002	5.338	5.126	0.000	135.400	81.190	77.610
2	15:49:44	99.901%	0.010	5.065	4.121	0.000	134.400	79.630	76.340
3	15:50:26	100.996%	-0.011	4.660	3.752	0.000	133.700	83.200	76.780
x		99.622%	-0.001	5.021	4.333	0.000	134.500	81.340	76.910
σ		1.533%	0.011	0.341	0.711	0.000	0.860	1.790	0.644
%RSD		1.538	1351.000	6.785	16.410	0.000	0.639	2.201	0.837

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:01	19.320	26.430	0.000	119.700	305.300	353.600	82.613%	1.798
2	15:49:44	19.110	26.120	0.000	111.400	291.200	345.300	83.832%	1.835
3	15:50:26	19.420	25.630	0.000	106.000	343.700	341.000	84.780%	2.270
x		19.290	26.060	0.000	112.400	313.400	346.700	83.742%	1.967
σ		0.159	0.405	0.000	6.924	27.170	6.392	1.086%	0.263
%RSD		0.822	1.553	0.000	6.161	8.671	1.844	1.297	13.350

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:01	0.126	2.875	0.606	32.010	32.490	0.032	0.507	2.082
2	15:49:44	-0.303	3.036	0.585	30.830	34.850	0.029	0.533	2.196
3	15:50:26	-0.206	2.973	0.574	30.830	33.460	0.032	0.469	2.123
x		-0.128	2.961	0.588	31.220	33.600	0.031	0.503	2.134
σ		0.225	0.081	0.017	0.682	1.184	0.002	0.032	0.057
%RSD		176.500	2.736	2.815	2.184	3.523	6.152	6.370	2.690

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:01	2.209	18.420	18.940	-0.746	-1.575	-1.154	0.000	1.002
2	15:49:44	2.189	18.230	19.040	0.242	-1.775	-0.913	0.000	0.980
3	15:50:26	2.037	18.260	18.510	-0.499	-1.988	-0.564	0.000	0.970
x		2.145	18.300	18.830	-0.334	-1.779	-0.877	0.000	0.984
σ		0.094	0.103	0.282	0.514	0.207	0.297	0.000	0.017
%RSD		4.396	0.560	1.496	153.800	11.620	33.850	0.000	1.691

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:01	86.592%	6.480	6.676	86.535%	0.054	0.036	-0.230	-0.234
2	15:49:44	88.545%	4.375	4.593	88.311%	0.042	0.026	-0.160	-0.202
3	15:50:26	90.800%	3.534	3.555	90.154%	0.032	0.047	-0.224	-0.218
x		88.646%	4.796	4.941	88.333%	0.043	0.037	-0.205	-0.218
σ		2.106%	1.517	1.590	1.810%	0.011	0.010	0.038	0.016
%RSD		2.376	31.630	32.170	2.049	25.780	28.510	18.810	7.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:01	86.749%	31.110	0.390	0.393	1.684	1.668	92.430%	93.222%
2	15:49:44	89.352%	29.900	0.321	0.311	1.651	1.628	94.297%	95.627%
3	15:50:26	91.294%	28.820	0.277	0.292	1.630	1.652	95.589%	97.853%
x		89.132%	29.940	0.329	0.332	1.655	1.649	94.105%	95.567%
σ		2.281%	1.149	0.057	0.054	0.027	0.020	1.588%	2.316%
%RSD		2.559	3.836	17.290	16.160	1.651	1.227	1.688	2.423

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:01	0.080	0.091	0.365	0.343	0.359	101.403%
2	15:49:44	0.074	0.075	0.371	0.359	0.349	104.106%
3	15:50:26	0.062	0.065	0.347	0.356	0.348	105.816%
x		0.072	0.077	0.361	0.353	0.352	103.775%
σ		0.009	0.013	0.013	0.009	0.006	2.225%
%RSD		12.950	16.760	3.555	2.439	1.778	2.144

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:18	95.544%	14.040	35.040	30.740	0.000	2917.000	76820.000	70470.000
2	15:54:01	99.097%	13.900	34.840	30.750	0.000	2911.000	75760.000	68520.000
3	15:54:44	98.849%	13.490	34.680	30.710	0.000	2934.000	76190.000	69480.000
x		97.830%	13.810	34.850	30.730	0.000	2921.000	76250.000	69490.000
σ		1.984%	0.283	0.176	0.021	0.000	11.720	531.600	972.000
%RSD		2.028	2.050	0.506	0.068	0.000	0.401	0.697	1.399

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:18	244100.000	2418.000	0.000	16250.000	91490.000	91380.000	104.606%	428.600
2	15:54:01	238000.000	2386.000	0.000	16360.000	92120.000	91430.000	106.154%	432.700
3	15:54:44	239900.000	2391.000	0.000	16430.000	92880.000	91930.000	106.873%	430.900
x		240700.000	2398.000	0.000	16350.000	92160.000	91580.000	105.878%	430.700
σ		3128.000	17.630	0.000	86.190	696.200	304.100	1.159%	2.054
%RSD		1.300	0.735	0.000	0.527	0.755	0.332	1.094	0.477

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:18	314.200	315.800	3454.000	432400.000	443900.000	156.700	426.500	306.000
2	15:54:01	314.300	316.800	3463.000	435000.000	445900.000	158.200	430.600	305.900
3	15:54:44	316.800	320.300	3496.000	436100.000	445800.000	158.800	432.800	307.800
x		315.100	317.600	3471.000	434500.000	445200.000	157.900	429.900	306.600
σ		1.446	2.350	22.440	1936.000	1135.000	1.095	3.214	1.043
%RSD		0.459	0.740	0.647	0.446	0.255	0.694	0.748	0.340

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:18	314.900	1600.000	1625.000	56.380	4.161	11.030	0.000	245.900
2	15:54:01	316.100	1613.000	1636.000	57.920	4.570	11.220	0.000	246.700
3	15:54:44	317.200	1618.000	1639.000	57.800	4.717	12.090	0.000	247.200
x		316.100	1610.000	1633.000	57.360	4.483	11.440	0.000	246.600
σ		1.143	9.046	6.858	0.859	0.288	0.570	0.000	0.675
%RSD		0.362	0.562	0.420	1.497	6.433	4.976	0.000	0.274

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:18	0.000	9.902	9.818	85.889%	1.730	1.628	12.470	11.650
2	15:54:01	0.000	9.637	9.723	87.373%	1.796	1.614	12.440	11.440
3	15:54:44	0.000	9.419	9.731	87.816%	1.726	1.575	12.300	11.490
x		0.000	9.653	9.757	87.026%	1.751	1.606	12.400	11.530
σ		0.000	0.242	0.053	1.009%	0.039	0.028	0.092	0.105
%RSD		0.000	2.506	0.541	1.160	2.250	1.717	0.745	0.910

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:18	87.287%	20.450	2.723	2.641	3838.000	3775.000	114.732%	111.022%
2	15:54:01	88.647%	20.000	2.673	2.738	3858.000	3786.000	116.084%	112.396%
3	15:54:44	89.906%	19.550	2.695	2.655	3833.000	3770.000	116.406%	112.374%
x		88.613%	20.000	2.697	2.678	3843.000	3777.000	115.741%	111.931%
σ		1.310%	0.451	0.025	0.053	13.170	8.057	0.888%	0.787%
%RSD		1.478	2.255	0.915	1.968	0.343	0.213	0.767	0.703

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:53:18	1.882	1.905	326.400	318.500	323.900	91.049%
2	15:54:01	1.867	1.924	329.200	320.300	325.700	91.963%
3	15:54:44	1.962	1.932	329.700	321.500	327.400	91.679%
x		1.903	1.920	328.400	320.100	325.700	91.564%
σ		0.051	0.014	1.797	1.507	1.762	0.468%
%RSD		2.687	0.741	0.547	0.471	0.541	0.511

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:35	96.148%	7.991	35.390	30.550	0.000	2473.000	54370.000	49850.000
2	15:58:18	96.690%	7.778	34.380	29.570	0.000	2497.000	54520.000	49910.000
3	15:59:01	96.914%	8.016	33.430	29.810	0.000	2495.000	53680.000	48920.000
x		96.584%	7.928	34.400	29.970	0.000	2488.000	54190.000	49560.000
σ		0.394%	0.131	0.982	0.510	0.000	12.950	452.900	553.700
%RSD		0.408	1.646	2.853	1.700	0.000	0.521	0.836	1.117

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:35	142900.000	2538.000	0.000	11560.000	233200.000	232400.000	97.636%	373.300
2	15:58:18	142000.000	2467.000	0.000	11710.000	236000.000	233800.000	97.620%	368.600
3	15:59:01	141200.000	2469.000	0.000	11820.000	236900.000	235200.000	97.269%	376.000
x		142000.000	2491.000	0.000	11700.000	235400.000	233800.000	97.508%	372.600
σ		869.600	40.700	0.000	132.600	1910.000	1396.000	0.207%	3.787
%RSD		0.612	1.634	0.000	1.134	0.811	0.597	0.213	1.016

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:35	206.400	282.400	2648.000	274900.000	279200.000	103.400	307.200	320.600
2	15:58:18	205.000	282.000	2670.000	277800.000	283400.000	104.700	308.200	323.500
3	15:59:01	206.400	282.900	2668.000	276200.000	281900.000	104.100	306.700	324.500
x		205.900	282.400	2662.000	276300.000	281500.000	104.100	307.300	322.900
σ		0.777	0.465	11.980	1485.000	2139.000	0.675	0.747	2.038
%RSD		0.378	0.165	0.450	0.537	0.760	0.649	0.243	0.631

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:35	329.500	2146.000	2180.000	51.980	4.982	8.947	0.000	347.900
2	15:58:18	331.200	2173.000	2206.000	52.780	4.802	9.482	0.000	352.100
3	15:59:01	330.000	2180.000	2207.000	52.420	4.288	8.844	0.000	352.700
x		330.200	2166.000	2198.000	52.390	4.691	9.091	0.000	350.900
σ		0.883	17.970	15.250	0.400	0.360	0.342	0.000	2.633
%RSD		0.267	0.830	0.694	0.764	7.670	3.766	0.000	0.750

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:35	0.000	15.260	15.370	86.222%	11.300	11.330	79.120	78.580
2	15:58:18	0.000	15.100	15.060	86.852%	11.330	11.410	79.400	78.380
3	15:59:01	0.000	15.170	15.100	87.601%	11.240	11.230	79.250	78.110
x		0.000	15.180	15.180	86.891%	11.290	11.320	79.260	78.360
σ		0.000	0.080	0.168	0.690%	0.046	0.088	0.141	0.237
%RSD		0.000	0.527	1.108	0.794	0.406	0.779	0.178	0.302

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:35	86.847%	19.140	5.101	5.116	2198.000	2171.000	106.451%	103.889%
2	15:58:18	88.532%	18.770	5.238	5.163	2211.000	2170.000	108.913%	106.298%
3	15:59:01	89.373%	18.670	5.163	5.105	2203.000	2171.000	109.354%	106.736%
x		88.251%	18.860	5.167	5.128	2204.000	2171.000	108.239%	105.641%
σ		1.286%	0.245	0.068	0.031	6.618	0.686	1.564%	1.533%
%RSD		1.458	1.296	1.319	0.597	0.300	0.032	1.445	1.451

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:35	1.442	1.407	519.600	495.600	511.500	89.236%
2	15:58:18	1.451	1.427	519.100	495.800	510.600	91.927%
3	15:59:01	1.409	1.441	519.700	496.800	511.700	92.607%
x		1.434	1.425	519.500	496.100	511.200	91.257%
σ		0.022	0.017	0.346	0.656	0.586	1.782%
%RSD		1.551	1.224	0.067	0.132	0.115	1.953

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:53	105.558%	8.836	77.060	66.880	0.000	3473.000	44180.000	40790.000
2	16:02:36	107.060%	8.392	77.220	65.150	0.000	3479.000	44110.000	40450.000
3	16:03:19	106.645%	8.692	76.700	67.100	0.000	3507.000	44200.000	40390.000
x		106.421%	8.640	76.990	66.380	0.000	3486.000	44160.000	40540.000
σ		0.776%	0.226	0.263	1.068	0.000	18.120	48.210	214.900
%RSD		0.729	2.620	0.342	1.609	0.000	0.520	0.109	0.530

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:53	162400.000	2832.000	0.000	15580.000	88830.000	88580.000	104.055%	394.000
2	16:02:36	159700.000	2793.000	0.000	15740.000	89470.000	89060.000	103.974%	396.100
3	16:03:19	160800.000	2805.000	0.000	15780.000	89900.000	89040.000	103.867%	389.900
x		160900.000	2810.000	0.000	15700.000	89400.000	88900.000	103.965%	393.300
σ		1346.000	20.070	0.000	101.700	534.800	270.600	0.094%	3.151
%RSD		0.837	0.714	0.000	0.648	0.598	0.304	0.091	0.801

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:53	213.200	496.200	1263.000	215200.000	217800.000	87.970	419.100	406.200
2	16:02:36	211.300	495.700	1271.000	215700.000	219300.000	88.990	423.800	409.800
3	16:03:19	209.900	494.800	1277.000	216600.000	220300.000	89.030	420.500	407.800
x		211.500	495.600	1270.000	215900.000	219100.000	88.660	421.100	407.900
σ		1.641	0.726	7.124	720.800	1269.000	0.599	2.412	1.790
%RSD		0.776	0.147	0.561	0.334	0.579	0.676	0.573	0.439

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:53	416.700	2387.000	2425.000	20.490	7.614	12.130	0.000	203.600
2	16:02:36	419.200	2420.000	2453.000	20.280	7.270	13.210	0.000	205.000
3	16:03:19	417.000	2417.000	2459.000	20.490	6.774	12.620	0.000	206.600
x		417.700	2408.000	2445.000	20.420	7.219	12.650	0.000	205.100
σ		1.379	18.620	18.100	0.119	0.422	0.542	0.000	1.521
%RSD		0.330	0.773	0.740	0.585	5.846	4.288	0.000	0.742

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:53	0.000	8.826	8.923	89.647%	14.880	15.010	40.700	39.830
2	16:02:36	0.000	8.810	8.985	90.356%	15.070	15.150	39.970	39.320
3	16:03:19	0.000	8.966	9.027	90.662%	15.120	15.100	40.580	39.640
x		0.000	8.867	8.978	90.222%	15.020	15.090	40.420	39.600
σ		0.000	0.086	0.052	0.521%	0.123	0.068	0.390	0.257
%RSD		0.000	0.968	0.584	0.577	0.818	0.451	0.964	0.650

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:53	89.828%	33.880	11.700	11.730	1958.000	3505.000	109.229%	106.495%
2	16:02:36	91.126%	34.130	11.890	11.690	3565.000	3491.000	111.426%	108.810%
3	16:03:19	91.531%	33.900	11.820	11.760	3558.000	3500.000	112.635%	109.367%
x		90.828%	33.970	11.800	11.730	3027.000	3499.000	111.096%	108.224%
σ		0.890%	0.139	0.096	0.035	925.600	7.243	1.727%	1.523%
%RSD		0.980	0.410	0.810	0.302	30.580	0.207	1.555	1.407

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:01:53	2.247	2.276	1388.000	1325.000	1354.000	91.582%
2	16:02:36	2.241	2.279	1389.000	1320.000	1353.000	94.168%
3	16:03:19	2.212	2.279	1391.000	1325.000	1357.000	94.685%
x		2.233	2.278	1389.000	1323.000	1355.000	93.478%
σ		0.019	0.001	1.507	2.785	1.766	1.662%
%RSD		0.832	0.065	0.109	0.211	0.130	1.778

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:06:12	110.369%	5.270	58.990	54.910	0.000	2548.000	25890.000	24010.000
2	16:06:55	110.124%	5.084	60.360	55.300	0.000	2596.000	26200.000	24120.000
3	16:07:38	109.977%	5.329	61.100	53.530	0.000	2579.000	25870.000	23750.000
x		110.157%	5.228	60.150	54.580	0.000	2574.000	25990.000	23960.000
σ		0.198%	0.128	1.070	0.931	0.000	24.630	186.800	190.400
%RSD		0.180	2.451	1.779	1.706	0.000	0.957	0.719	0.795
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:06:12	95500.000	2879.000	0.000	8026.000	72250.000	72710.000	101.651%	451.100
2	16:06:55	94970.000	2902.000	0.000	8153.000	74060.000	74020.000	100.904%	448.500
3	16:07:38	93840.000	2876.000	0.000	8135.000	73420.000	73530.000	101.726%	447.600
x		94770.000	2885.000	0.000	8105.000	73240.000	73420.000	101.427%	449.100
σ		850.800	14.160	0.000	68.920	917.600	661.100	0.455%	1.812
%RSD		0.898	0.491	0.000	0.850	1.253	0.900	0.448	0.404
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:06:12	138.600	325.900	757.200	132300.000	133800.000	55.640	269.200	316.700
2	16:06:55	138.900	327.000	766.300	133100.000	134000.000	55.890	267.200	319.600
3	16:07:38	138.500	325.100	759.900	132500.000	133900.000	56.010	268.000	314.400
x		138.700	326.000	761.100	132600.000	133900.000	55.840	268.100	316.900
σ		0.238	0.955	4.692	453.600	84.510	0.188	0.988	2.613
%RSD		0.171	0.293	0.616	0.342	0.063	0.337	0.369	0.824
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:06:12	323.100	1738.000	1761.000	16.770	4.914	7.598	0.000	135.900
2	16:06:55	325.000	1757.000	1775.000	16.680	4.492	7.505	0.000	136.600
3	16:07:38	321.600	1753.000	1772.000	16.550	4.113	7.606	0.000	136.800
x		323.200	1750.000	1769.000	16.670	4.507	7.570	0.000	136.400
σ		1.690	10.130	6.967	0.110	0.401	0.056	0.000	0.494
%RSD		0.523	0.579	0.394	0.662	8.890	0.742	0.000	0.362
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:06:12	0.000	13.530	13.950	91.551%	11.550	11.670	32.430	31.940
2	16:06:55	0.000	13.740	13.870	92.408%	11.510	11.520	32.130	32.060
3	16:07:38	0.000	13.790	13.800	92.234%	11.770	11.670	32.530	31.760
x		0.000	13.690	13.870	92.064%	11.610	11.620	32.370	31.920
σ		0.000	0.135	0.073	0.453%	0.138	0.088	0.206	0.152
%RSD		0.000	0.986	0.528	0.492	1.189	0.758	0.635	0.477
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:06:12	90.786%	26.210	7.251	7.125	1830.000	1807.000	100.773%	99.724%
2	16:06:55	92.104%	25.640	7.295	7.068	1816.000	1804.000	102.483%	101.421%
3	16:07:38	92.063%	26.000	7.144	7.308	1822.000	1807.000	103.138%	102.030%
x		91.651%	25.950	7.230	7.167	1823.000	1806.000	102.131%	101.058%
σ		0.749%	0.290	0.077	0.125	7.391	2.140	1.221%	1.195%
%RSD		0.818	1.117	1.070	1.749	0.406	0.119	1.196	1.182
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:06:12	1.604	1.594	1002.000	949.200	968.800	93.660%		
2	16:06:55	1.583	1.601	1003.000	946.300	967.200	95.385%		
3	16:07:38	1.624	1.594	1007.000	955.900	973.000	95.684%		
x		1.604	1.596	1004.000	950.500	969.700	94.910%		
σ		0.020	0.004	2.581	4.923	2.984	1.093%		
%RSD		1.261	0.264	0.257	0.518	0.308	1.151		

L8VLJ 11/8/2010 4:09:47 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:30	107.722%	4.446	68.530	62.130	0.000	2376.000	28590.000	26510.000
2	16:11:13	107.132%	4.703	68.150	61.440	0.000	2381.000	28290.000	26150.000
3	16:11:56	106.483%	4.746	70.570	59.840	0.000	2402.000	28310.000	26110.000
x		107.112%	4.632	69.080	61.140	0.000	2386.000	28400.000	26250.000
σ		0.620%	0.162	1.302	1.177	0.000	13.570	164.800	218.600
%RSD		0.579	3.504	1.884	1.925	0.000	0.569	0.580	0.833

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:30	87740.000	2739.000	0.000	8343.000	94550.000	94140.000	98.924%	439.900
2	16:11:13	86200.000	2692.000	0.000	8434.000	94950.000	94840.000	98.568%	434.100
3	16:11:56	85260.000	2656.000	0.000	8506.000	96150.000	96250.000	98.472%	436.800
x		86400.000	2696.000	0.000	8428.000	95220.000	95080.000	98.655%	436.900
σ		1253.000	42.010	0.000	81.610	830.500	1072.000	0.238%	2.911
%RSD		1.450	1.559	0.000	0.968	0.872	1.128	0.241	0.666

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:30	129.200	416.800	947.400	142400.000	144100.000	59.170	323.300	371.400
2	16:11:13	127.100	412.800	952.800	142700.000	144400.000	59.320	324.800	369.800
3	16:11:56	127.900	413.700	956.100	142500.000	144500.000	59.630	325.100	369.200
x		128.100	414.400	952.100	142500.000	144300.000	59.370	324.400	370.100
σ		1.068	2.118	4.405	165.800	214.300	0.230	0.956	1.131
%RSD		0.834	0.511	0.463	0.116	0.149	0.388	0.295	0.306

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:30	378.800	2107.000	2141.000	24.980	5.891	10.140	0.000	151.200
2	16:11:13	379.900	2129.000	2152.000	24.970	4.917	9.775	0.000	152.100
3	16:11:56	378.100	2136.000	2170.000	25.080	5.315	8.988	0.000	152.700
x		378.900	2124.000	2154.000	25.010	5.374	9.635	0.000	152.000
σ		0.892	14.750	14.490	0.059	0.490	0.590	0.000	0.750
%RSD		0.236	0.695	0.672	0.235	9.117	6.123	0.000	0.493

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:30	0.000	13.840	13.780	89.144%	15.860	15.960	41.600	40.880
2	16:11:13	0.000	13.820	13.960	90.045%	15.850	15.950	41.160	40.570
3	16:11:56	0.000	13.650	13.930	90.636%	15.810	15.810	40.800	40.430
x		0.000	13.770	13.890	89.941%	15.840	15.910	41.180	40.630
σ		0.000	0.105	0.097	0.752%	0.027	0.083	0.404	0.230
%RSD		0.000	0.764	0.695	0.836	0.170	0.522	0.981	0.566

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:30	88.506%	25.410	9.814	9.666	1666.000	1653.000	100.062%	98.990%
2	16:11:13	90.013%	25.470	9.881	9.703	1671.000	1650.000	102.208%	101.158%
3	16:11:56	90.497%	25.530	9.872	9.866	1674.000	1652.000	103.287%	102.312%
x		89.672%	25.470	9.856	9.745	1670.000	1652.000	101.852%	100.820%
σ		1.038%	0.059	0.036	0.106	4.124	1.521	1.642%	1.686%
%RSD		1.158	0.231	0.370	1.092	0.247	0.092	1.612	1.673

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:30	1.188	1.214	1313.000	1243.000	1271.000	91.427%
2	16:11:13	1.212	1.224	1312.000	1239.000	1268.000	93.773%
3	16:11:56	1.182	1.231	1315.000	1240.000	1271.000	94.731%
x		1.194	1.223	1313.000	1240.000	1270.000	93.310%
σ		0.016	0.008	1.554	1.883	1.381	1.700%
%RSD		1.326	0.682	0.118	0.152	0.109	1.822

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:49	101.082%	50.690	962.300	851.300	0.000	44720.000	78660.000	72550.000
2	16:15:33	101.550%	50.890	957.200	846.000	0.000	45160.000	78590.000	71990.000
3	16:16:16	100.928%	51.250	960.500	843.900	0.000	45420.000	79240.000	71800.000
x		101.187%	50.940	960.000	847.100	0.000	45100.000	78830.000	72110.000
σ		0.324%	0.283	2.599	3.836	0.000	354.400	356.100	391.800
%RSD		0.321	0.555	0.271	0.453	0.000	0.786	0.452	0.543

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:49	113800.000	4705.000	0.000	63010.000	66110.000	65490.000	97.927%	5204.000
2	16:15:33	113000.000	4664.000	0.000	63930.000	67340.000	66510.000	97.607%	5252.000
3	16:16:16	112300.000	4663.000	0.000	64620.000	67570.000	66220.000	96.725%	5261.000
x		113000.000	4677.000	0.000	63850.000	67010.000	66070.000	97.420%	5239.000
σ		740.700	24.100	0.000	807.300	784.300	526.200	0.622%	30.320
%RSD		0.655	0.515	0.000	1.264	1.170	0.796	0.639	0.579

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:49	663.500	429.000	8410.000	158800.000	160800.000	471.100	539.000	370.300
2	16:15:33	674.600	433.700	8517.000	159800.000	162600.000	475.000	545.600	374.500
3	16:16:16	669.700	431.600	8572.000	161400.000	163600.000	475.100	542.400	370.800
x		669.300	431.400	8499.000	160000.000	162400.000	473.700	542.300	371.900
σ		5.570	2.339	82.400	1319.000	1428.000	2.240	3.328	2.246
%RSD		0.832	0.542	0.970	0.825	0.879	0.473	0.614	0.604

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:49	380.000	1460.000	1470.000	96.630	12.300	16.020	0.000	1114.000
2	16:15:33	383.800	1477.000	1497.000	96.270	11.790	15.980	0.000	1128.000
3	16:16:16	379.900	1483.000	1502.000	96.660	11.850	17.140	0.000	1127.000
x		381.200	1473.000	1490.000	96.520	11.980	16.380	0.000	1123.000
σ		2.215	12.040	17.460	0.216	0.275	0.657	0.000	7.721
%RSD		0.581	0.817	1.172	0.224	2.297	4.012	0.000	0.688

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:49	0.000	937.800	945.100	85.476%	49.470	49.600	48.390	44.250
2	16:15:33	0.000	959.400	964.600	86.098%	49.660	49.670	48.600	44.350
3	16:16:16	0.000	961.600	971.800	86.056%	49.890	50.170	48.130	44.500
x		0.000	952.900	960.500	85.877%	49.670	49.810	48.370	44.370
σ		0.000	13.160	13.820	0.348%	0.212	0.312	0.234	0.125
%RSD		0.000	1.381	1.439	0.405	0.427	0.625	0.484	0.282

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:49	85.457%	1739.000	261.400	259.100	2354.000	2326.000	96.082%	95.919%
2	16:15:33	86.478%	1751.000	263.800	261.600	2365.000	2334.000	97.928%	98.289%
3	16:16:16	86.711%	1757.000	263.800	261.500	2378.000	2340.000	97.814%	98.634%
x		86.215%	1749.000	263.000	260.700	2366.000	2333.000	97.274%	97.614%
σ		0.667%	8.850	1.391	1.444	11.820	7.144	1.034%	1.478%
%RSD		0.774	0.506	0.529	0.554	0.500	0.306	1.063	1.514

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:49	47.190	47.840	285.800	280.800	284.000	88.220%
2	16:15:33	47.600	48.510	286.700	281.800	284.400	90.342%
3	16:16:16	48.260	48.500	287.900	282.300	285.100	90.775%
x		47.680	48.280	286.800	281.700	284.500	89.779%
σ		0.535	0.384	1.053	0.762	0.549	1.367%
%RSD		1.123	0.794	0.367	0.271	0.193	1.523

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:19:09	104.162%	51.480	977.800	860.000	0.000	43710.000	77610.000	71450.000
2	16:19:52	104.136%	50.900	971.600	867.200	0.000	44280.000	77270.000	70710.000
3	16:20:36	103.219%	51.110	975.400	859.300	0.000	44560.000	77230.000	70550.000
x		103.839%	51.160	974.900	862.100	0.000	44180.000	77370.000	70900.000
σ		0.537%	0.292	3.155	4.367	0.000	429.100	207.500	477.200
%RSD		0.517	0.571	0.324	0.507	0.000	0.971	0.268	0.673
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:19:09	114100.000	4743.000	0.000	62250.000	64570.000	64500.000	98.409%	5250.000
2	16:19:52	112500.000	4670.000	0.000	63700.000	65240.000	65190.000	97.382%	5276.000
3	16:20:36	112600.000	4635.000	0.000	63540.000	65910.000	65360.000	98.105%	5268.000
x		113100.000	4683.000	0.000	63170.000	65240.000	65020.000	97.965%	5265.000
σ		906.200	55.220	0.000	795.000	668.600	455.100	0.527%	13.770
%RSD		0.801	1.179	0.000	1.259	1.025	0.700	0.538	0.262
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:19:09	667.700	430.200	8256.000	156000.000	157300.000	472.400	540.100	367.000
2	16:19:52	680.900	434.800	8301.000	157200.000	158700.000	470.700	540.000	366.900
3	16:20:36	673.300	430.100	8273.000	156500.000	158600.000	474.100	541.600	369.400
x		674.000	431.700	8277.000	156600.000	158200.000	472.400	540.600	367.800
σ		6.582	2.697	22.710	581.500	765.300	1.731	0.886	1.384
%RSD		0.977	0.625	0.274	0.371	0.484	0.366	0.164	0.376
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:19:09	376.300	1442.000	1457.000	93.730	12.890	16.060	0.000	1111.000
2	16:19:52	375.600	1461.000	1478.000	94.880	12.410	16.630	0.000	1123.000
3	16:20:36	377.300	1459.000	1470.000	94.490	12.040	15.730	0.000	1122.000
x		376.400	1454.000	1469.000	94.370	12.450	16.140	0.000	1119.000
σ		0.855	10.680	10.650	0.582	0.425	0.458	0.000	6.445
%RSD		0.227	0.735	0.725	0.617	3.414	2.835	0.000	0.576
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:19:09	0.000	958.400	965.000	85.063%	49.770	50.310	48.690	45.260
2	16:19:52	0.000	967.200	972.900	85.880%	49.860	50.050	48.470	44.680
3	16:20:36	0.000	964.400	972.000	86.271%	49.430	49.620	48.830	44.260
x		0.000	963.300	970.000	85.738%	49.680	49.990	48.660	44.730
σ		0.000	4.496	4.311	0.617%	0.226	0.348	0.185	0.500
%RSD		0.000	0.467	0.444	0.719	0.455	0.696	0.380	1.118
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:19:09	84.222%	1761.000	263.600	261.400	2366.000	2341.000	94.326%	94.712%
2	16:19:52	85.553%	1760.000	262.900	261.500	2370.000	2340.000	96.734%	97.050%
3	16:20:36	86.356%	1763.000	262.500	261.000	2365.000	2335.000	96.816%	97.213%
x		85.377%	1761.000	263.000	261.300	2367.000	2339.000	95.958%	96.325%
σ		1.078%	1.319	0.567	0.261	2.798	2.899	1.415%	1.399%
%RSD		1.262	0.075	0.216	0.100	0.118	0.124	1.474	1.453
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:19:09	47.630	48.360	280.000	276.500	278.300	86.931%		
2	16:19:52	47.990	48.560	280.000	275.800	278.300	89.019%		
3	16:20:36	48.250	48.740	279.300	276.400	278.300	89.838%		
x		47.960	48.550	279.800	276.200	278.300	88.596%		
σ		0.312	0.191	0.402	0.362	0.034	1.499%		
%RSD		0.651	0.394	0.144	0.131	0.012	1.692		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:21	91.310%	96.350	99.320	96.110	0.000	45380.000	48140.000	47660.000
2	16:27:04	90.801%	96.880	100.300	95.410	0.000	45780.000	48220.000	47940.000
3	16:27:48	90.729%	95.680	97.050	94.440	0.000	45610.000	48290.000	47640.000
x		90.946%	96.305%	98.901%	95.320%	0.000	91.180%	96.436%	95.487%
σ		0.317%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.348	0.622	1.699	0.880	0.000	0.439	0.148	0.358

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:21	481.100	4838.000	0.000	47750.000	48580.000	49580.000	86.984%	99.860
2	16:27:04	480.100	4823.000	0.000	48050.000	49450.000	49900.000	86.479%	98.950
3	16:27:48	478.000	4782.000	0.000	47970.000	49320.000	50040.000	86.423%	99.580
x		95.952%	96.288%	0.000	95.844%	98.232%	99.679%	86.629%	99.463%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.309%	n/a
%RSD		0.329	0.597	0.000	0.326	0.949	0.477	0.357	0.472

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:21	97.080	97.060	494.300	24570.000	24600.000	98.110	97.640	99.840
2	16:27:04	97.000	96.990	481.900	24460.000	24410.000	97.430	97.820	99.860
3	16:27:48	96.030	96.170	485.000	24630.000	24350.000	97.230	97.590	100.200
x		96.702%	96.742%	97.413%	98.213%	97.826%	97.591%	97.685%	99.984%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.606	0.514	1.332	0.356	0.535	0.472	0.123	0.230

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:21	100.000	102.700	104.600	101.000	102.700	102.300	0.000	99.340
2	16:27:04	100.100	102.400	103.800	101.300	103.200	104.300	0.000	98.810
3	16:27:48	99.790	102.800	102.800	102.000	102.500	104.300	0.000	99.320
x		99.963%	102.646%	103.738%	101.459%	102.824%	103.624%	0.000	99.159%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.158	0.204	0.891	0.512	0.331	1.134	0.000	0.304

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:21	84.233%	81.440	81.680	83.571%	103.900	104.000	99.820	99.240
2	16:27:04	84.982%	89.420	90.360	83.804%	103.400	103.600	98.910	99.460
3	16:27:48	84.374%	95.870	95.810	83.448%	103.900	104.900	99.460	100.100
x		84.530%	88.910%	89.280%	83.607%	103.722%	104.177%	99.398%	99.603%
σ		0.398%	n/a	n/a	0.181%	n/a	n/a	n/a	n/a
%RSD		0.471	8.133	7.981	0.217	0.248	0.636	0.463	0.451

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:21	80.964%	97.270	94.080	93.660	97.180	97.100	80.511%	80.509%
2	16:27:04	81.942%	96.690	95.730	95.820	97.430	96.620	81.538%	81.336%
3	16:27:48	81.243%	97.510	98.060	97.280	96.980	97.510	82.056%	81.824%
x		81.383%	97.159%	95.960%	95.587%	97.199%	97.076%	81.368%	81.223%
σ		0.504%	n/a	n/a	n/a	n/a	n/a	0.786%	0.665%
%RSD		0.619	0.434	2.085	1.902	0.235	0.455	0.966	0.819

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:21	107.300	107.900	108.000	108.000	108.400	78.509%
2	16:27:04	106.400	107.300	107.300	108.300	107.900	80.443%
3	16:27:48	106.300	106.700	106.500	106.800	107.100	80.809%
x		106.661%	107.316%	107.248%	107.718%	107.794%	79.920%
σ		n/a	n/a	n/a	n/a	n/a	1.236%
%RSD		0.483	0.564	0.662	0.747	0.615	1.546

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:33:35	98.663%	-0.006	3.552	3.437	0.000	-9.341	-1.624	-1.438
2	16:34:18	98.634%	0.002	4.189	3.302	0.000	-8.671	0.144	-0.156
3	16:35:01	97.640%	-0.010	3.284	3.110	0.000	-6.572	3.422	3.339
x		98.312%	-0.005	3.675	3.283	0.000	-8.195	0.647	0.582
σ		0.582%	0.006	0.465	0.164	0.000	1.445	2.560	2.473
%RSD		0.592	128.900	12.650	5.001	0.000	17.630	395.500	425.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:33:35	-5.193	-0.288	0.000	18.560	-2.907	-4.793	90.699%	-0.054
2	16:34:18	-4.533	-0.584	0.000	16.040	-0.396	-1.502	91.908%	-0.025
3	16:35:01	-3.073	0.105	0.000	18.650	6.390	-1.213	92.676%	0.026
x		-4.266	-0.256	0.000	17.750	1.029	-2.503	91.761%	-0.018
σ		1.085	0.346	0.000	1.478	4.809	1.989	0.997%	0.040
%RSD		25.430	135.200	0.000	8.327	467.600	79.460	1.086	229.700

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:33:35	0.048	-0.009	-0.018	14.710	15.490	-0.012	-0.022	-0.239
2	16:34:18	0.065	-0.022	0.027	14.380	14.350	-0.006	-0.006	-0.215
3	16:35:01	0.046	-0.009	0.129	15.040	16.360	0.003	0.015	-0.233
x		0.053	-0.013	0.046	14.710	15.400	-0.005	-0.004	-0.229
σ		0.011	0.007	0.075	0.329	1.008	0.008	0.019	0.012
%RSD		20.150	54.310	162.700	2.233	6.543	157.600	449.600	5.399

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:33:35	-0.241	-0.882	-0.927	0.063	3.157	0.393	0.000	-0.031
2	16:34:18	-0.212	-0.893	-0.934	0.223	2.528	1.113	0.000	-0.025
3	16:35:01	-0.220	-0.859	-0.838	0.184	2.404	0.804	0.000	-0.006
x		-0.224	-0.878	-0.900	0.157	2.696	0.770	0.000	-0.021
σ		0.015	0.017	0.054	0.083	0.404	0.361	0.000	0.013
%RSD		6.604	1.963	5.973	53.150	14.970	46.880	0.000	61.960

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:33:35	89.049%	2.862	2.935	91.427%	-0.001	-0.010	-0.033	-0.032
2	16:34:18	90.101%	2.727	2.723	92.171%	0.002	-0.011	0.013	-0.005
3	16:35:01	91.481%	2.425	2.402	93.259%	0.014	0.003	-0.015	-0.005
x		90.210%	2.671	2.687	92.286%	0.005	-0.006	-0.012	-0.014
σ		1.220%	0.224	0.268	0.921%	0.008	0.008	0.023	0.015
%RSD		1.352	8.375	9.988	0.998	158.100	127.300	194.900	108.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:33:35	86.660%	-0.352	0.399	0.378	-0.029	-0.024	82.995%	83.015%
2	16:34:18	88.075%	-0.414	0.375	0.378	-0.030	-0.011	84.981%	84.593%
3	16:35:01	88.948%	-0.378	0.295	0.352	0.011	0.020	86.563%	85.992%
x		87.894%	-0.382	0.356	0.369	-0.016	-0.005	84.846%	84.533%
σ		1.155%	0.031	0.055	0.015	0.023	0.023	1.788%	1.490%
%RSD		1.314	8.167	15.320	4.104	146.300	473.200	2.107	1.762

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:33:35	0.026	0.012	0.078	0.071	0.080	86.080%
2	16:34:18	0.028	0.026	0.094	0.078	0.084	88.537%
3	16:35:01	0.042	0.041	0.102	0.079	0.085	90.094%
x		0.032	0.026	0.092	0.076	0.083	88.237%
σ		0.009	0.014	0.012	0.004	0.003	2.024%
%RSD		27.410	53.510	13.220	5.874	3.362	2.294

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:37:56	107.764%	4.788	62.860	55.550	0.000	1972.000	27610.000	25720.000
2	16:38:39	109.822%	4.990	63.440	56.120	0.000	2026.000	28150.000	26060.000
3	16:39:22	109.487%	4.805	64.390	57.120	0.000	2042.000	27960.000	25600.000
x		109.024%	4.861	63.560	56.260	0.000	2013.000	27910.000	25790.000
σ		1.104%	0.112	0.776	0.799	0.000	36.470	269.800	238.900
%RSD		1.013	2.307	1.221	1.420	0.000	1.811	0.967	0.926

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:37:56	67920.000	2338.000	0.000	11750.000	17870.000	17250.000	98.179%	3094.000
2	16:38:39	67930.000	2354.000	0.000	12090.000	18310.000	17580.000	98.256%	3126.000
3	16:39:22	67430.000	2348.000	0.000	12120.000	18580.000	17560.000	99.309%	3102.000
x		67760.000	2347.000	0.000	11990.000	18250.000	17460.000	98.581%	3107.000
σ		287.000	8.147	0.000	200.400	356.400	188.200	0.631%	16.960
%RSD		0.424	0.347	0.000	1.672	1.953	1.078	0.640	0.546

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:37:56	189.600	216.400	7056.000	132700.000	133600.000	60.250	119.700	145.500
2	16:38:39	189.700	219.500	7191.000	134700.000	137100.000	61.770	122.000	147.300
3	16:39:22	187.200	218.000	7132.000	133700.000	134800.000	60.580	119.700	146.600
x		188.800	218.000	7126.000	133700.000	135100.000	60.870	120.500	146.500
σ		1.375	1.596	67.670	1027.000	1800.000	0.797	1.355	0.904
%RSD		0.728	0.732	0.950	0.768	1.332	1.309	1.125	0.617

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:37:56	148.800	899.400	907.200	53.580	3.266	6.017	0.000	136.400
2	16:38:39	149.800	913.500	922.600	54.760	2.677	5.928	0.000	138.900
3	16:39:22	149.300	915.700	926.700	54.690	2.706	6.649	0.000	138.900
x		149.300	909.500	918.800	54.340	2.883	6.198	0.000	138.000
σ		0.497	8.886	10.290	0.662	0.332	0.393	0.000	1.449
%RSD		0.333	0.977	1.120	1.219	11.510	6.345	0.000	1.050

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:37:56	0.000	7.779	7.556	88.035%	1.543	1.614	3.321	3.168
2	16:38:39	0.000	5.983	5.961	89.753%	1.531	1.524	3.532	3.147
3	16:39:22	0.000	5.325	5.253	90.511%	1.542	1.571	3.277	3.206
x		0.000	6.362	6.257	89.433%	1.539	1.569	3.377	3.174
σ		0.000	1.270	1.180	1.269%	0.007	0.045	0.137	0.030
%RSD		0.000	19.960	18.860	1.419	0.423	2.875	4.043	0.944

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:37:56	87.057%	28.980	2.500	2.557	504.600	500.000	95.634%	95.880%
2	16:38:39	89.390%	28.170	2.026	2.002	506.800	499.900	98.450%	98.492%
3	16:39:22	89.541%	27.710	1.862	1.834	506.400	501.500	99.164%	99.624%
x		88.663%	28.290	2.129	2.131	505.900	500.500	97.749%	97.999%
σ		1.393%	0.647	0.331	0.379	1.151	0.868	1.866%	1.920%
%RSD		1.571	2.285	15.560	17.770	0.227	0.173	1.909	1.959

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:37:56	0.843	0.896	226.900	222.700	225.200	93.046%
2	16:38:39	0.867	0.896	229.000	224.100	226.300	95.388%
3	16:39:22	0.887	0.900	229.000	223.800	226.300	96.403%
x		0.866	0.897	228.300	223.500	226.000	94.946%
σ		0.022	0.002	1.229	0.769	0.618	1.722%
%RSD		2.582	0.248	0.538	0.344	0.273	1.814

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:14	99.592%	0.933	13.640	13.140	0.000	383.600	5800.000	5582.000
2	16:42:57	98.645%	0.854	14.610	12.810	0.000	386.800	5821.000	5530.000
3	16:43:40	99.400%	0.978	13.550	13.060	0.000	387.600	5780.000	5498.000
x		99.213%	0.921	13.930	13.000	0.000	386.000	5800.000	5537.000
σ		0.501%	0.063	0.588	0.173	0.000	2.121	20.130	42.330
%RSD		0.505	6.818	4.217	1.331	0.000	0.549	0.347	0.765

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:14	14730.000	530.200	0.000	2454.000	3762.000	3633.000	94.065%	666.400
2	16:42:57	14540.000	524.000	0.000	2481.000	3731.000	3650.000	93.429%	662.900
3	16:43:40	14340.000	508.100	0.000	2476.000	3751.000	3660.000	92.954%	660.000
x		14540.000	520.800	0.000	2470.000	3748.000	3648.000	93.483%	663.100
σ		196.500	11.390	0.000	14.030	15.550	13.620	0.557%	3.209
%RSD		1.352	2.187	0.000	0.568	0.415	0.374	0.596	0.484

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:14	40.180	45.880	1459.000	27590.000	27460.000	12.160	24.790	29.820
2	16:42:57	40.190	45.570	1464.000	27560.000	27530.000	12.360	25.230	30.250
3	16:43:40	39.330	45.360	1453.000	27370.000	27300.000	12.170	24.250	30.020
x		39.900	45.610	1459.000	27510.000	27430.000	12.230	24.760	30.030
σ		0.496	0.259	5.494	119.800	118.600	0.114	0.487	0.216
%RSD		1.242	0.568	0.377	0.436	0.432	0.932	1.967	0.720

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:14	30.090	187.700	187.800	10.720	0.157	-1.159	0.000	24.060
2	16:42:57	30.800	188.500	190.300	10.610	-0.288	-1.086	0.000	24.160
3	16:43:40	30.060	188.800	188.000	10.890	-0.433	-0.960	0.000	23.990
x		30.320	188.400	188.700	10.740	-0.188	-1.068	0.000	24.070
σ		0.420	0.564	1.367	0.143	0.307	0.101	0.000	0.083
%RSD		1.384	0.299	0.725	1.329	163.200	9.411	0.000	0.344

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:14	106.428%	1.173	1.165	92.457%	0.335	0.305	0.628	0.664
2	16:42:57	106.163%	1.077	1.179	92.567%	0.306	0.326	0.667	0.652
3	16:43:40	106.872%	1.055	0.976	93.040%	0.302	0.278	0.640	0.616
x		106.487%	1.102	1.106	92.688%	0.314	0.303	0.645	0.644
σ		0.358%	0.063	0.113	0.310%	0.018	0.024	0.020	0.025
%RSD		0.336	5.723	10.240	0.334	5.642	7.878	3.130	3.811

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:14	89.667%	4.481	0.347	0.313	105.200	104.400	90.871%	90.812%
2	16:42:57	90.064%	4.468	0.328	0.371	105.600	105.600	91.839%	92.561%
3	16:43:40	90.259%	4.471	0.359	0.336	105.700	106.000	92.571%	92.805%
x		89.997%	4.473	0.344	0.340	105.500	105.300	91.760%	92.059%
σ		0.302%	0.007	0.016	0.029	0.285	0.848	0.853%	1.087%
%RSD		0.336	0.152	4.591	8.500	0.270	0.805	0.929	1.181

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:14	0.179	0.184	47.100	45.580	46.350	93.173%
2	16:42:57	0.182	0.194	46.690	45.510	46.080	95.799%
3	16:43:40	0.188	0.171	46.330	45.070	45.900	96.908%
x		0.183	0.183	46.710	45.390	46.110	95.293%
σ		0.004	0.011	0.386	0.275	0.230	1.918%
%RSD		2.317	6.190	0.826	0.607	0.498	2.013

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:30	90.220%	13.850	496.800	439.600	0.000	4316.000	213600.000	197000.000
2	16:47:13	89.280%	13.740	498.900	436.700	0.000	4380.000	215200.000	197000.000
3	16:47:57	88.527%	14.050	500.700	441.400	0.000	4455.000	216600.000	198900.000
x		89.342%	13.880	498.800	439.200	0.000	4384.000	215100.000	197600.000
σ		0.849%	0.158	1.927	2.390	0.000	69.360	1473.000	1073.000
%RSD		0.950	1.140	0.386	0.544	0.000	1.582	0.685	0.543

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:30	117800.000	3386.000	0.000	23230.000	454700.000	454600.000	90.850%	2212.000
2	16:47:13	118200.000	3366.000	0.000	23520.000	460400.000	459700.000	91.783%	2176.000
3	16:47:57	118800.000	3360.000	0.000	23810.000	465500.000	462200.000	90.834%	2191.000
x		118300.000	3371.000	0.000	23520.000	460200.000	458900.000	91.156%	2193.000
σ		472.900	13.550	0.000	286.300	5429.000	3895.000	0.543%	17.760
%RSD		0.400	0.402	0.000	1.217	1.180	0.849	0.596	0.810

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:30	81.020	7121.000	4725.000	373600.000	380300.000	189.900	2202.000	4937.000
2	16:47:13	82.510	7065.000	4725.000	372700.000	380700.000	189.800	2210.000	4954.000
3	16:47:57	90.880	7101.000	4761.000	377400.000	386400.000	192.500	2218.000	4965.000
x		84.800	7096.000	4737.000	374600.000	382500.000	190.700	2210.000	4952.000
σ		5.316	28.210	21.100	2508.000	3429.000	1.532	8.026	13.770
%RSD		6.269	0.398	0.445	0.670	0.897	0.803	0.363	0.278

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:30	5128.000	25090.000	25270.000	194.100	24.650	29.090	0.000	1215.000
2	16:47:13	5141.000	25220.000	25350.000	195.000	23.920	28.800	0.000	1226.000
3	16:47:57	5157.000	25390.000	25630.000	196.500	24.500	29.240	0.000	1231.000
x		5142.000	25230.000	25420.000	195.200	24.360	29.050	0.000	1224.000
σ		14.450	152.100	193.200	1.247	0.387	0.224	0.000	8.236
%RSD		0.281	0.603	0.760	0.639	1.590	0.770	0.000	0.673

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:30	0.000	91.720	92.990	79.824%	185.900	185.700	812.000	808.400
2	16:47:13	0.000	93.240	94.030	80.641%	185.000	185.600	815.100	806.100
3	16:47:57	0.000	93.840	94.580	80.489%	186.000	185.300	812.500	806.100
x		0.000	92.930	93.870	80.318%	185.600	185.500	813.200	806.900
σ		0.000	1.089	0.808	0.434%	0.514	0.217	1.673	1.297
%RSD		0.000	1.171	0.860	0.541	0.277	0.117	0.206	0.161

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:30	80.486%	570.100	47.560	47.630	3401.000	3794.000	89.453%	89.107%
2	16:47:13	82.053%	571.400	47.600	47.410	3616.000	3801.000	91.220%	91.430%
3	16:47:57	82.629%	571.800	47.730	47.170	3107.000	3784.000	92.045%	91.606%
x		81.723%	571.100	47.630	47.400	3374.000	3793.000	90.906%	90.715%
σ		1.109%	0.923	0.088	0.234	255.600	8.728	1.324%	1.395%
%RSD		1.357	0.162	0.185	0.494	7.575	0.230	1.457	1.538

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:30	17.230	17.410	6935.000	6832.000	6873.000	86.939%
2	16:47:13	17.300	17.600	6958.000	6848.000	6892.000	88.559%
3	16:47:57	17.400	17.720	6970.000	6868.000	6905.000	88.842%
x		17.310	17.580	6954.000	6849.000	6890.000	88.113%
σ		0.086	0.156	17.570	18.040	15.990	1.027%
%RSD		0.498	0.886	0.253	0.263	0.232	1.165

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:48	91.667%	14.860	515.600	464.900	0.000	4520.000	198800.000	183900.000
2	16:51:31	92.630%	14.900	516.800	463.000	0.000	4523.000	198400.000	183300.000
3	16:52:14	92.518%	15.250	514.000	455.900	0.000	4510.000	196100.000	180100.000
x		92.272%	15.000	515.400	461.300	0.000	4517.000	197800.000	182400.000
σ		0.527%	0.217	1.411	4.758	0.000	6.854	1491.000	2075.000
%RSD		0.571	1.445	0.274	1.032	0.000	0.152	0.754	1.138

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:48	121100.000	3270.000	0.000	23240.000	425200.000	426900.000	92.651%	2246.000
2	16:51:31	120100.000	3186.000	0.000	23390.000	430600.000	428600.000	92.879%	2244.000
3	16:52:14	118100.000	3201.000	0.000	23380.000	429400.000	429700.000	93.418%	2246.000
x		119800.000	3219.000	0.000	23340.000	428400.000	428400.000	92.983%	2246.000
σ		1544.000	44.950	0.000	86.350	2851.000	1397.000	0.394%	1.046
%RSD		1.290	1.396	0.000	0.370	0.666	0.326	0.424	0.047

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:48	88.140	8306.000	4474.000	375700.000	384500.000	201.100	2554.000	5815.000
2	16:51:31	105.000	8392.000	4523.000	379400.000	385200.000	201.200	2561.000	5794.000
3	16:52:14	85.430	8273.000	4470.000	373700.000	381500.000	199.000	2529.000	5774.000
x		92.870	8324.000	4489.000	376300.000	383700.000	200.400	2548.000	5794.000
σ		10.620	61.620	29.430	2876.000	1975.000	1.261	16.430	20.690
%RSD		11.430	0.740	0.656	0.764	0.515	0.629	0.645	0.357

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:48	6029.000	30360.000	30680.000	272.700	30.980	35.610	0.000	1236.000
2	16:51:31	6011.000	30520.000	30730.000	271.900	29.680	36.290	0.000	1244.000
3	16:52:14	5998.000	30370.000	30630.000	271.600	29.390	35.500	0.000	1241.000
x		6013.000	30410.000	30680.000	272.100	30.020	35.800	0.000	1240.000
σ		15.530	88.690	49.690	0.537	0.851	0.427	0.000	4.227
%RSD		0.258	0.292	0.162	0.197	2.835	1.192	0.000	0.341

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:48	0.000	96.210	97.280	79.990%	223.600	224.300	920.300	913.500
2	16:51:31	0.000	96.510	97.720	80.658%	223.400	224.200	917.300	912.600
3	16:52:14	0.000	96.810	98.310	80.499%	224.000	225.100	919.700	915.500
x		0.000	96.510	97.770	80.382%	223.700	224.500	919.100	913.900
σ		0.000	0.299	0.516	0.349%	0.307	0.524	1.598	1.489
%RSD		0.000	0.310	0.528	0.434	0.137	0.233	0.174	0.163

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:48	80.971%	683.000	55.620	55.150	4499.000	4454.000	88.274%	88.117%
2	16:51:31	81.933%	685.500	55.890	55.320	4509.000	4462.000	89.255%	89.684%
3	16:52:14	82.228%	684.900	55.670	54.750	4497.000	4442.000	90.087%	90.120%
x		81.710%	684.500	55.730	55.070	4502.000	4453.000	89.205%	89.307%
σ		0.657%	1.291	0.148	0.295	6.474	10.100	0.908%	1.053%
%RSD		0.804	0.189	0.265	0.535	0.144	0.227	1.017	1.180

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:48	20.890	21.080	7830.000	7732.000	7777.000	85.564%
2	16:51:31	21.160	21.360	7830.000	7745.000	7787.000	87.035%
3	16:52:14	21.160	21.190	7826.000	7743.000	7776.000	87.694%
x		21.070	21.210	7829.000	7740.000	7780.000	86.764%
σ		0.157	0.142	2.000	7.196	6.028	1.090%
%RSD		0.745	0.668	0.026	0.093	0.077	1.257

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:05	110.945%	11.140	51.970	47.820	0.000	1313.000	33160.000	30940.000
2	16:55:48	110.445%	11.070	51.520	45.780	0.000	1327.000	33100.000	30510.000
3	16:56:31	111.899%	10.900	50.830	44.780	0.000	1317.000	32850.000	30280.000
x		111.096%	11.040	51.440	46.130	0.000	1319.000	33040.000	30580.000
σ		0.739%	0.126	0.574	1.549	0.000	7.233	167.100	334.000
%RSD		0.665	1.142	1.115	3.357	0.000	0.548	0.506	1.092

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:05	148700.000	2770.000	0.000	11720.000	49420.000	49000.000	104.081%	397.100
2	16:55:48	146400.000	2707.000	0.000	11860.000	49480.000	49210.000	104.450%	398.500
3	16:56:31	145700.000	2674.000	0.000	11880.000	49860.000	49450.000	104.619%	390.600
x		146900.000	2717.000	0.000	11820.000	49590.000	49220.000	104.383%	395.400
σ		1574.000	48.840	0.000	89.990	239.600	221.900	0.275%	4.204
%RSD		1.071	1.798	0.000	0.761	0.483	0.451	0.264	1.063

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:05	213.200	185.800	5198.000	206100.000	207500.000	95.790	259.200	1672.000
2	16:55:48	210.400	183.000	5202.000	205500.000	207000.000	95.250	255.600	1673.000
3	16:56:31	209.400	182.600	5167.000	203300.000	206200.000	95.360	257.000	1675.000
x		211.000	183.800	5189.000	204900.000	206900.000	95.470	257.300	1673.000
σ		1.956	1.772	19.290	1475.000	679.500	0.287	1.828	1.668
%RSD		0.927	0.964	0.372	0.720	0.328	0.301	0.711	0.100

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:05	1656.000	1696.000	1725.000	46.250	14.500	19.310	0.000	185.700
2	16:55:48	1656.000	1711.000	1736.000	45.670	13.970	18.670	0.000	186.400
3	16:56:31	1648.000	1708.000	1740.000	45.600	13.880	18.470	0.000	187.300
x		1653.000	1705.000	1734.000	45.840	14.120	18.820	0.000	186.500
σ		4.390	7.929	7.685	0.355	0.334	0.444	0.000	0.823
%RSD		0.266	0.465	0.443	0.774	2.367	2.360	0.000	0.442

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:05	0.000	9.325	9.308	88.020%	2.960	2.959	7.293	6.782
2	16:55:48	0.000	8.874	8.815	89.089%	2.933	2.939	7.152	6.824
3	16:56:31	0.000	8.401	8.579	89.368%	2.956	2.888	7.222	6.788
x		0.000	8.867	8.901	88.826%	2.950	2.929	7.222	6.798
σ		0.000	0.462	0.372	0.711%	0.015	0.037	0.071	0.023
%RSD		0.000	5.211	4.180	0.801	0.506	1.248	0.981	0.337

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:05	86.104%	29.600	2.073	2.027	1618.000	1596.000	101.777%	100.378%
2	16:55:48	87.736%	28.990	2.055	2.079	1609.000	1587.000	104.219%	102.096%
3	16:56:31	89.045%	28.490	1.974	1.978	1612.000	1590.000	104.598%	103.632%
x		87.629%	29.030	2.034	2.028	1613.000	1591.000	103.531%	102.035%
σ		1.473%	0.554	0.053	0.050	4.343	4.629	1.531%	1.628%
%RSD		1.681	1.909	2.593	2.489	0.269	0.291	1.479	1.595

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	16:55:05	1.838	1.901	375.600	370.700	374.000	88.230%
2	16:55:48	1.837	1.875	377.200	370.500	374.400	90.222%
3	16:56:31	1.786	1.882	378.300	371.000	374.500	91.096%
x		1.820	1.886	377.000	370.800	374.300	89.849%
σ		0.030	0.013	1.362	0.250	0.266	1.469%
%RSD		1.622	0.694	0.361	0.067	0.071	1.635

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:23	112.311%	13.780	48.610	45.550	0.000	1536.000	37940.000	35410.000
2	17:00:06	111.265%	13.750	48.610	44.550	0.000	1556.000	38260.000	35510.000
3	17:00:49	112.172%	14.060	50.620	45.310	0.000	1550.000	38260.000	35790.000
x		111.916%	13.860	49.280	45.130	0.000	1547.000	38150.000	35570.000
σ		0.568%	0.172	1.159	0.522	0.000	10.320	186.400	197.700
%RSD		0.507	1.239	2.351	1.158	0.000	0.667	0.489	0.556
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:23	176000.000	2592.000	0.000	13250.000	59740.000	59350.000	104.661%	409.800
2	17:00:06	175300.000	2557.000	0.000	13380.000	60140.000	59860.000	104.734%	413.100
3	17:00:49	176500.000	2575.000	0.000	13360.000	59780.000	59690.000	105.221%	410.800
x		175900.000	2575.000	0.000	13330.000	59890.000	59630.000	104.872%	411.200
σ		576.400	17.810	0.000	68.370	222.000	259.200	0.304%	1.687
%RSD		0.328	0.692	0.000	0.513	0.371	0.435	0.290	0.410
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:23	241.000	213.900	5910.000	247600.000	251100.000	110.400	315.000	1794.000
2	17:00:06	242.300	215.300	5963.000	248700.000	251000.000	110.600	312.600	1788.000
3	17:00:49	243.200	214.600	5982.000	249900.000	251500.000	109.900	311.200	1792.000
x		242.200	214.600	5952.000	248700.000	251200.000	110.300	312.900	1791.000
σ		1.127	0.725	37.290	1139.000	268.400	0.384	1.916	3.180
%RSD		0.465	0.338	0.627	0.458	0.107	0.348	0.612	0.178
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:23	1768.000	1943.000	1981.000	59.760	16.540	20.520	0.000	228.100
2	17:00:06	1768.000	1968.000	1992.000	59.210	15.880	21.370	0.000	230.200
3	17:00:49	1776.000	1957.000	1986.000	60.000	15.840	21.630	0.000	230.500
x		1771.000	1956.000	1986.000	59.660	16.080	21.170	0.000	229.600
σ		4.869	12.310	5.796	0.407	0.393	0.582	0.000	1.325
%RSD		0.275	0.629	0.292	0.681	2.445	2.747	0.000	0.577
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:23	0.000	10.980	10.880	87.035%	3.302	3.283	7.888	7.264
2	17:00:06	0.000	10.790	10.940	87.438%	3.343	3.248	7.726	7.349
3	17:00:49	0.000	11.130	10.790	87.492%	3.256	3.235	7.883	7.242
x		0.000	10.970	10.870	87.321%	3.301	3.255	7.832	7.285
σ		0.000	0.167	0.076	0.250%	0.044	0.025	0.092	0.056
%RSD		0.000	1.518	0.704	0.286	1.328	0.761	1.176	0.775
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:23	84.926%	25.060	2.178	2.116	1980.000	1955.000	102.689%	100.527%
2	17:00:06	86.095%	25.010	2.185	2.233	1984.000	1952.000	104.169%	102.579%
3	17:00:49	86.604%	24.600	2.222	2.169	1981.000	1948.000	104.262%	102.325%
x		85.875%	24.890	2.195	2.173	1982.000	1952.000	103.707%	101.810%
σ		0.860%	0.250	0.024	0.059	2.186	3.894	0.883%	1.119%
%RSD		1.001	1.006	1.078	2.695	0.110	0.200	0.851	1.099
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	16:59:23	2.007	2.035	422.800	416.800	420.800	86.579%		
2	17:00:06	2.012	2.059	424.000	417.500	421.700	87.767%		
3	17:00:49	2.030	2.073	424.600	417.000	421.600	87.887%		
x		2.016	2.056	423.800	417.100	421.400	87.411%		
σ		0.012	0.019	0.870	0.345	0.507	0.723%		
%RSD		0.605	0.941	0.205	0.083	0.120	0.827		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:34	109.148%	-0.020	2.724	2.284	0.000	-20.690	-2.529	-2.365
2	17:07:17	109.567%	-0.024	2.438	2.214	0.000	-20.920	-2.089	-2.057
3	17:08:00	110.016%	-0.009	2.492	2.165	0.000	-21.490	-1.161	-1.365
x		109.577%	-0.018	2.551	2.221	0.000	-21.030	-1.926	-1.929
σ		0.434%	0.008	0.152	0.060	0.000	0.410	0.698	0.512
%RSD		0.396	43.660	5.972	2.686	0.000	1.949	36.230	26.540

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:34	-3.913	-0.182	0.000	3.344	-3.224	-4.351	109.796%	-0.022
2	17:07:17	-3.087	-0.319	0.000	4.766	-6.830	-4.934	108.849%	0.063
3	17:08:00	-0.906	-0.378	0.000	2.645	-3.924	-3.962	109.192%	-0.015
x		-2.635	-0.293	0.000	3.585	-4.659	-4.416	109.279%	0.009
σ		1.554	0.101	0.000	1.081	1.912	0.489	0.479%	0.047
%RSD		58.950	34.410	0.000	30.150	41.050	11.070	0.439	540.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:34	0.169	0.534	-0.119	60.720	52.570	-0.017	-0.028	-0.110
2	17:07:17	-0.072	0.493	-0.086	42.510	30.850	-0.014	-0.016	-0.130
3	17:08:00	0.131	0.466	-0.010	33.860	24.740	-0.012	-0.009	-0.134
x		0.076	0.498	-0.072	45.700	36.050	-0.014	-0.018	-0.125
σ		0.130	0.034	0.056	13.710	14.630	0.003	0.010	0.013
%RSD		170.800	6.850	77.860	30.000	40.580	18.930	54.460	10.200

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:34	-0.113	-0.050	-0.109	-0.291	-0.307	-0.917	0.000	-0.034
2	17:07:17	-0.116	-0.125	-0.186	-0.268	-0.610	-0.883	0.000	-0.031
3	17:08:00	-0.081	-0.102	-0.055	-0.040	-0.889	-0.133	0.000	-0.028
x		-0.103	-0.093	-0.117	-0.199	-0.602	-0.644	0.000	-0.031
σ		0.020	0.039	0.066	0.139	0.291	0.443	0.000	0.003
%RSD		18.900	41.750	56.550	69.540	48.360	68.750	0.000	9.366

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:34	109.640%	0.163	0.166	101.331%	-0.009	-0.012	-0.097	-0.068
2	17:07:17	110.025%	0.151	0.156	101.497%	-0.006	-0.008	-0.083	-0.057
3	17:08:00	109.854%	0.136	0.119	101.440%	-0.008	-0.011	-0.126	-0.099
x		109.839%	0.150	0.147	101.422%	-0.008	-0.010	-0.102	-0.075
σ		0.193%	0.013	0.025	0.084%	0.002	0.002	0.022	0.022
%RSD		0.175	8.995	16.780	0.083	23.160	16.430	21.760	29.480

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:34	96.592%	-0.522	-0.041	-0.044	-0.012	-0.015	92.551%	91.985%
2	17:07:17	98.091%	-0.536	-0.039	-0.044	-0.013	-0.012	93.380%	92.887%
3	17:08:00	97.478%	-0.540	-0.051	-0.054	0.041	0.020	94.255%	93.842%
x		97.387%	-0.533	-0.044	-0.047	0.005	-0.002	93.395%	92.905%
σ		0.754%	0.009	0.006	0.006	0.031	0.019	0.852%	0.929%
%RSD		0.774	1.767	13.970	12.430	583.600	894.200	0.912	1.000

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:34	0.011	0.012	0.118	0.127	0.126	103.637%
2	17:07:17	0.012	0.008	0.116	0.124	0.118	105.323%
3	17:08:00	0.007	0.010	0.126	0.128	0.129	106.381%
x		0.010	0.010	0.120	0.126	0.124	105.113%
σ		0.003	0.002	0.005	0.002	0.006	1.384%
%RSD		26.470	18.950	4.166	1.459	4.457	1.317

L9MM5C 11/8/2010 5:10:09 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:52	112.509%	51.210	997.600	921.700	0.000	-18.280	0.262	0.265
2	17:11:35	113.636%	52.050	1013.000	920.900	0.000	-17.170	0.161	0.314
3	17:12:19	112.494%	51.830	1009.000	903.300	0.000	-16.550	0.171	-0.031
x		112.879%	51.700	1007.000	915.300	0.000	-17.330	0.198	0.183
σ		0.655%	0.434	8.055	10.390	0.000	0.877	0.056	0.187
%RSD		0.580	0.840	0.800	1.135	0.000	5.057	28.360	102.400
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:52	1694.000	9.767	0.000	13.450	843.000	432.100	98.837%	0.669
2	17:11:35	1688.000	10.290	0.000	14.700	876.600	434.700	98.795%	0.641
3	17:12:19	1678.000	9.606	0.000	13.750	842.700	427.000	99.843%	0.715
x		1687.000	9.889	0.000	13.970	854.100	431.300	99.158%	0.675
σ		8.132	0.359	0.000	0.653	19.460	3.915	0.594%	0.038
%RSD		0.482	3.634	0.000	4.678	2.278	0.908	0.599	5.583
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:52	451.100	187.400	446.600	930.600	921.200	458.400	460.000	240.900
2	17:11:35	455.600	190.000	451.900	931.000	931.400	463.100	466.100	244.700
3	17:12:19	450.300	188.900	444.300	913.100	912.900	463.700	462.600	244.700
x		452.300	188.700	447.600	924.900	921.800	461.700	462.900	243.400
σ		2.859	1.296	3.874	10.190	9.233	2.943	3.089	2.215
%RSD		0.632	0.687	0.865	1.102	1.002	0.637	0.667	0.910
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:52	245.200	481.600	480.500	37.180	7.635	9.092	0.000	930.500
2	17:11:35	248.100	488.800	489.400	36.460	6.971	9.682	0.000	930.800
3	17:12:19	247.400	493.400	491.200	36.280	6.534	10.200	0.000	930.900
x		246.900	487.900	487.000	36.640	7.047	9.660	0.000	930.700
σ		1.495	5.965	5.723	0.474	0.554	0.556	0.000	0.215
%RSD		0.605	1.223	1.175	1.294	7.861	5.758	0.000	0.023
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:52	96.772%	0.433	0.469	96.279%	50.680	50.890	44.880	46.220
2	17:11:35	98.996%	0.429	0.404	98.802%	50.340	50.750	45.600	46.060
3	17:12:19	100.812%	0.388	0.371	99.818%	50.280	50.790	45.790	45.870
x		98.860%	0.416	0.415	98.300%	50.430	50.810	45.420	46.050
σ		2.023%	0.025	0.050	1.822%	0.217	0.074	0.481	0.172
%RSD		2.047	5.941	12.080	1.853	0.431	0.146	1.060	0.373
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:52	92.362%	0.953	0.093	0.141	1816.000	1800.000	91.755%	91.757%
2	17:11:35	94.825%	0.890	0.094	0.160	1823.000	1813.000	94.271%	94.212%
3	17:12:19	96.533%	0.937	0.087	0.149	1818.000	1806.000	95.925%	95.617%
x		94.573%	0.927	0.091	0.150	1819.000	1806.000	93.983%	93.862%
σ		2.097%	0.033	0.004	0.010	3.834	6.709	2.100%	1.954%
%RSD		2.217	3.574	3.988	6.401	0.211	0.371	2.234	2.081
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:10:52	45.850	46.270	18.630	20.050	19.390	97.168%		
2	17:11:35	46.400	46.690	18.620	20.220	19.450	100.064%		
3	17:12:19	46.630	47.100	18.520	20.090	19.400	101.440%		
x		46.290	46.680	18.590	20.120	19.410	99.557%		
σ		0.398	0.416	0.061	0.088	0.030	2.180%		
%RSD		0.860	0.891	0.327	0.439	0.157	2.190		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:15:11	113.572%	51.950	1016.000	922.700	0.000	-16.290	-0.114	0.066
2	17:15:54	111.345%	52.150	1032.000	921.300	0.000	-16.150	0.369	-0.007
3	17:16:37	111.314%	52.580	1032.000	924.500	0.000	-15.730	-0.123	0.180
x		112.077%	52.230	1027.000	922.900	0.000	-16.050	0.044	0.080
σ		1.294%	0.323	9.163	1.600	0.000	0.290	0.282	0.094
%RSD		1.155	0.618	0.893	0.173	0.000	1.809	640.900	118.100

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:15:11	1702.000	9.100	0.000	12.080	911.200	446.200	102.109%	0.559
2	17:15:54	1714.000	8.727	0.000	13.930	818.200	435.100	101.298%	0.551
3	17:16:37	1713.000	8.392	0.000	12.700	821.200	430.000	100.910%	0.553
x		1709.000	8.740	0.000	12.900	850.200	437.100	101.439%	0.554
σ		6.731	0.354	0.000	0.940	52.830	8.287	0.612%	0.004
%RSD		0.394	4.053	0.000	7.285	6.215	1.896	0.603	0.786

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:15:11	460.800	190.200	452.000	918.800	915.200	471.000	463.900	243.800
2	17:15:54	456.900	190.000	460.800	925.500	925.500	466.900	468.200	246.400
3	17:16:37	456.600	190.200	460.000	929.300	927.000	471.500	469.800	247.700
x		458.100	190.200	457.600	924.500	922.600	469.800	467.300	246.000
σ		2.363	0.113	4.880	5.317	6.455	2.505	3.014	2.031
%RSD		0.516	0.060	1.066	0.575	0.700	0.533	0.645	0.826

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:15:11	250.200	484.700	489.200	37.790	7.314	10.570	0.000	943.200
2	17:15:54	248.900	492.000	490.400	37.560	6.557	10.210	0.000	944.400
3	17:16:37	251.700	492.300	493.800	36.950	6.569	10.700	0.000	945.800
x		250.300	489.700	491.100	37.430	6.813	10.490	0.000	944.500
σ		1.362	4.302	2.380	0.436	0.433	0.252	0.000	1.280
%RSD		0.544	0.879	0.485	1.165	6.360	2.399	0.000	0.136

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:15:11	100.711%	0.281	0.365	99.947%	51.020	51.390	45.530	46.120
2	17:15:54	102.203%	0.338	0.311	101.521%	50.770	51.490	46.020	46.050
3	17:16:37	102.867%	0.258	0.267	101.380%	50.850	51.470	46.150	46.090
x		101.927%	0.292	0.314	100.949%	50.880	51.450	45.900	46.090
σ		1.104%	0.041	0.049	0.871%	0.127	0.052	0.327	0.033
%RSD		1.084	14.050	15.560	0.863	0.249	0.101	0.712	0.071

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:15:11	96.175%	0.823	0.098	0.134	1837.000	1827.000	94.406%	94.186%
2	17:15:54	97.749%	0.848	0.086	0.162	1848.000	1830.000	96.228%	96.051%
3	17:16:37	98.569%	0.852	0.096	0.157	1842.000	1827.000	97.108%	97.293%
x		97.498%	0.841	0.094	0.151	1842.000	1828.000	95.914%	95.843%
σ		1.217%	0.016	0.006	0.015	5.835	1.657	1.378%	1.564%
%RSD		1.248	1.863	6.906	10.180	0.317	0.091	1.437	1.632

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:15:11	47.070	47.230	18.790	20.380	19.560	99.167%
2	17:15:54	47.410	47.320	18.890	20.290	19.600	101.701%
3	17:16:37	47.040	47.400	18.840	20.200	19.450	103.616%
x		47.170	47.310	18.840	20.290	19.540	101.495%
σ		0.207	0.083	0.051	0.089	0.074	2.232%
%RSD		0.440	0.177	0.271	0.438	0.381	2.199

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:50	117.038%	0.000	10.320	8.824	0.000	-18.940	-0.635	-0.541
2	17:24:33	117.283%	-0.003	8.953	8.167	0.000	-18.490	-0.359	-0.470
3	17:25:16	118.058%	-0.018	9.132	7.502	0.000	-18.390	-0.614	-0.678
x		117.460%	-0.007	9.470	8.165	0.000	-18.610	-0.536	-0.563
σ		0.532%	0.009	0.746	0.661	0.000	0.292	0.154	0.105
%RSD		0.453	136.800	7.874	8.092	0.000	1.571	28.640	18.720

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:50	-1.339	11.770	0.000	6.690	4.648	8.069	110.245%	0.384
2	17:24:33	-1.538	11.140	0.000	8.064	5.419	9.689	109.821%	0.570
3	17:25:16	-1.620	10.550	0.000	7.586	11.260	10.520	109.435%	0.483
x		-1.499	11.150	0.000	7.447	7.108	9.425	109.833%	0.479
σ		0.145	0.610	0.000	0.697	3.614	1.245	0.405%	0.093
%RSD		9.659	5.469	0.000	9.365	50.840	13.210	0.369	19.460

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:50	1.266	7.579	0.012	6.281	2.427	-0.007	0.013	0.132
2	17:24:33	-0.537	7.522	0.013	4.218	-0.143	-0.007	0.073	0.087
3	17:25:16	1.234	7.475	0.043	3.126	-1.341	-0.011	0.033	0.059
x		0.654	7.525	0.022	4.542	0.314	-0.008	0.040	0.093
σ		1.032	0.052	0.018	1.602	1.925	0.002	0.031	0.037
%RSD		157.700	0.687	78.370	35.280	612.900	29.840	76.910	39.920

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:50	0.140	4.596	4.945	-0.290	-1.661	0.290	0.000	0.019
2	17:24:33	0.170	4.823	5.087	0.320	-2.186	1.646	0.000	0.028
3	17:25:16	0.079	4.682	4.965	1.053	-2.451	0.955	0.000	0.016
x		0.129	4.700	4.999	0.361	-2.099	0.964	0.000	0.021
σ		0.046	0.114	0.077	0.672	0.402	0.678	0.000	0.006
%RSD		35.530	2.434	1.537	186.200	19.150	70.330	0.000	30.480

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:50	103.731%	0.190	0.188	103.002%	0.001	-0.006	-0.104	-0.088
2	17:24:33	105.210%	0.182	0.164	104.923%	-0.004	-0.004	-0.121	-0.102
3	17:25:16	106.573%	0.153	0.133	105.569%	-0.008	-0.010	-0.133	-0.097
x		105.172%	0.175	0.162	104.498%	-0.003	-0.007	-0.119	-0.096
σ		1.422%	0.020	0.028	1.335%	0.004	0.003	0.014	0.007
%RSD		1.352	11.130	17.270	1.278	119.900	41.280	12.170	7.522

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:50	98.130%	0.772	-0.002	0.016	0.080	0.057	95.583%	95.844%
2	17:24:33	100.222%	0.786	0.006	0.012	0.023	0.063	97.951%	98.001%
3	17:25:16	101.421%	0.740	-0.002	-0.008	0.055	0.045	99.532%	99.648%
x		99.925%	0.766	0.001	0.007	0.052	0.055	97.689%	97.831%
σ		1.665%	0.023	0.005	0.013	0.029	0.009	1.987%	1.908%
%RSD		1.667	3.064	567.800	194.200	54.920	17.120	2.035	1.950

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:50	0.126	0.125	0.266	0.240	0.247	100.816%
2	17:24:33	0.109	0.109	0.238	0.209	0.226	103.898%
3	17:25:16	0.088	0.088	0.236	0.206	0.221	105.311%
x		0.108	0.107	0.247	0.218	0.232	103.342%
σ		0.019	0.019	0.017	0.019	0.014	2.299%
%RSD		17.540	17.420	6.824	8.612	5.993	2.224

CCV1-3 11/8/2010 5:30:19 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:02	80.264%	105.000	106.300	102.100	0.000	47110.000	49220.000	49570.000
2	17:31:45	80.491%	105.700	105.000	100.300	0.000	47130.000	49220.000	49470.000
3	17:32:28	79.819%	103.800	106.300	100.500	0.000	47080.000	49540.000	49660.000
x		80.191%	104.828%	105.853%	100.975%	0.000	94.211%	98.652%	99.135%
σ		0.342%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.426	0.886	0.727	0.959	0.000	0.058	0.374	0.199
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:02	505.600	5169.000	0.000	48550.000	48700.000	49650.000	82.289%	101.600
2	17:31:45	498.000	5063.000	0.000	48720.000	48750.000	49750.000	82.191%	101.800
3	17:32:28	499.600	5054.000	0.000	48900.000	49380.000	50280.000	81.654%	101.400
x		100.216%	101.911%	0.000	97.448%	97.884%	99.781%	82.045%	101.589%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.342%	n/a
%RSD		0.799	1.257	0.000	0.363	0.779	0.679	0.417	0.178
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:02	99.610	98.930	490.500	24950.000	24590.000	99.040	99.380	100.200
2	17:31:45	98.660	98.460	489.000	24940.000	25060.000	98.300	99.150	100.800
3	17:32:28	98.550	98.360	488.600	25070.000	24760.000	97.890	98.700	100.700
x		98.940%	98.587%	97.872%	99.945%	99.210%	98.412%	99.078%	100.553%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.593	0.309	0.201	0.289	0.970	0.589	0.347	0.312
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:02	101.000	103.700	103.800	101.800	101.900	104.300	0.000	98.860
2	17:31:45	100.200	103.700	101.700	101.700	103.400	104.300	0.000	99.020
3	17:32:28	100.600	103.400	102.800	102.200	103.100	105.200	0.000	98.810
x		100.623%	103.566%	102.769%	101.926%	102.816%	104.583%	0.000	98.897%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.382	0.179	1.018	0.275	0.752	0.480	0.000	0.110
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:02	78.955%	76.410	75.710	79.007%	103.500	104.300	99.620	99.790
2	17:31:45	79.103%	85.120	85.710	79.289%	103.600	104.300	100.500	99.690
3	17:32:28	79.326%	92.490	93.210	79.332%	103.000	103.900	99.650	100.100
x		79.128%	84.676%	84.881%	79.210%	103.384%	104.165%	99.921%	99.874%
σ		0.187%	n/a	n/a	0.177%	n/a	n/a	n/a	n/a
%RSD		0.236	9.506	10.340	0.223	0.302	0.217	0.500	0.240
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:02	75.690%	96.290	93.320	93.870	97.050	97.740	75.053%	75.006%
2	17:31:45	76.191%	96.140	96.350	96.430	98.020	97.520	75.775%	76.076%
3	17:32:28	76.379%	97.000	97.780	97.890	97.520	97.830	75.963%	76.684%
x		76.087%	96.476%	95.815%	96.064%	97.528%	97.697%	75.597%	75.922%
σ		0.356%	n/a	n/a	n/a	n/a	n/a	0.480%	0.850%
%RSD		0.468	0.481	2.372	2.123	0.501	0.164	0.636	1.119
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:31:02	105.500	106.200	105.700	106.200	106.400	74.608%		
2	17:31:45	104.600	105.500	105.800	105.700	106.200	76.145%		
3	17:32:28	104.700	104.800	105.100	105.800	105.700	77.141%		
x		104.946%	105.523%	105.514%	105.909%	106.123%	75.965%		
σ		n/a	n/a	n/a	n/a	n/a	1.276%		
%RSD		0.487	0.660	0.379	0.240	0.323	1.680		

CCB3 11/8/2010 5:37:33 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:16	95.886%	-0.019	3.090	2.667	0.000	-11.430	-0.774	-0.609
2	17:38:59	95.882%	0.003	2.517	2.861	0.000	-10.360	1.210	1.201
3	17:39:42	96.400%	-0.027	2.634	2.576	0.000	-6.877	5.675	5.966
x		96.056%	-0.014	2.747	2.701	0.000	-9.555	2.037	2.186
σ		0.298%	0.016	0.302	0.145	0.000	2.380	3.303	3.397
%RSD		0.310	109.400	11.010	5.384	0.000	24.910	162.200	155.400

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:16	-4.943	-1.357	0.000	11.890	-3.523	-3.295	86.359%	-0.111
2	17:38:59	-4.323	-1.008	0.000	13.110	-2.694	-1.014	87.617%	-0.064
3	17:39:42	-2.982	-0.717	0.000	16.580	4.501	2.369	87.846%	-0.081
x		-4.083	-1.027	0.000	13.860	-0.572	-0.647	87.274%	-0.085
σ		1.002	0.320	0.000	2.435	4.413	2.850	0.801%	0.024
%RSD		24.550	31.170	0.000	17.570	771.300	440.800	0.918	27.710

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:16	0.005	-0.018	-0.013	15.420	14.870	-0.013	-0.041	-0.193
2	17:38:59	-0.018	-0.021	0.022	15.060	14.930	-0.004	-0.023	-0.209
3	17:39:42	-0.068	-0.010	0.105	16.830	16.990	0.016	-0.004	-0.122
x		-0.027	-0.016	0.038	15.770	15.600	0.000	-0.023	-0.175
σ		0.037	0.006	0.060	0.939	1.206	0.015	0.018	0.046
%RSD		138.400	35.180	158.100	5.953	7.728	89920.000	81.040	26.460

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:16	-0.195	-0.789	-0.798	0.090	1.385	0.606	0.000	-0.025
2	17:38:59	-0.180	-0.765	-0.817	0.158	0.961	0.820	0.000	-0.014
3	17:39:42	-0.182	-0.706	-0.718	0.220	0.726	0.918	0.000	0.006
x		-0.185	-0.753	-0.778	0.156	1.024	0.781	0.000	-0.011
σ		0.008	0.043	0.053	0.065	0.334	0.160	0.000	0.016
%RSD		4.284	5.660	6.771	41.820	32.650	20.410	0.000	142.800

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:16	84.270%	2.354	2.311	87.191%	-0.004	-0.003	0.039	0.025
2	17:38:59	84.960%	2.198	2.195	88.341%	0.002	-0.007	-0.068	-0.054
3	17:39:42	85.527%	1.955	1.904	88.072%	0.009	0.002	-0.055	-0.049
x		84.919%	2.169	2.137	87.868%	0.002	-0.003	-0.028	-0.026
σ		0.630%	0.201	0.210	0.602%	0.007	0.005	0.058	0.044
%RSD		0.742	9.268	9.808	0.685	292.300	164.500	208.800	171.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:16	81.973%	-0.458	0.385	0.412	-0.003	-0.015	79.958%	79.460%
2	17:38:59	82.892%	-0.466	0.401	0.448	-0.007	0.010	81.319%	80.732%
3	17:39:42	83.520%	-0.461	0.414	0.370	0.015	0.038	81.833%	81.306%
x		82.795%	-0.462	0.400	0.410	0.002	0.011	81.037%	80.499%
σ		0.778%	0.004	0.015	0.039	0.011	0.027	0.969%	0.945%
%RSD		0.940	0.828	3.657	9.527	663.200	237.100	1.196	1.174

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:16	0.008	0.012	0.088	0.062	0.088	84.053%
2	17:38:59	0.020	0.021	0.100	0.087	0.096	86.023%
3	17:39:42	0.025	0.029	0.117	0.102	0.110	86.484%
x		0.018	0.021	0.101	0.084	0.098	85.520%
σ		0.009	0.008	0.015	0.020	0.011	1.291%
%RSD		51.080	41.200	14.440	24.220	11.460	1.510

L9CXL 11/8/2010 5:41:55 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:38	103.722%	-0.024	3.468	3.334	0.000	184.500	-0.675	-0.507
2	17:43:21	104.757%	-0.012	3.879	3.369	0.000	189.700	-0.844	-0.476
3	17:44:04	105.792%	-0.024	3.736	3.084	0.000	187.400	-0.847	-0.857
x		104.757%	-0.020	3.694	3.263	0.000	187.200	-0.789	-0.613
σ		1.035%	0.007	0.209	0.156	0.000	2.628	0.099	0.211
%RSD		0.988	35.380	5.644	4.774	0.000	1.404	12.510	34.450

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:38	0.866	43.790	0.000	51.610	54.410	53.740	87.074%	1.116
2	17:43:21	1.795	44.200	0.000	51.000	44.230	53.620	85.847%	1.125
3	17:44:04	1.123	42.530	0.000	47.810	53.190	52.650	86.133%	1.022
x		1.261	43.510	0.000	50.140	50.610	53.330	86.351%	1.088
σ		0.480	0.870	0.000	2.039	5.558	0.598	0.642%	0.057
%RSD		38.020	2.001	0.000	4.066	10.980	1.122	0.743	5.222

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:38	0.208	2.254	0.448	19.110	18.130	-0.006	0.158	0.326
2	17:43:21	-0.115	2.123	0.475	6.225	4.473	-0.007	0.195	0.305
3	17:44:04	0.569	2.271	0.475	2.226	1.266	-0.010	0.119	0.212
x		0.221	2.216	0.466	9.188	7.956	-0.008	0.157	0.281
σ		0.342	0.081	0.015	8.825	8.954	0.002	0.038	0.061
%RSD		154.900	3.652	3.282	96.050	112.500	31.380	24.080	21.650

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:38	0.338	2.696	2.658	-0.048	-1.237	-0.547	0.000	0.095
2	17:43:21	0.287	2.477	2.648	0.063	-1.371	0.291	0.000	0.099
3	17:44:04	0.213	2.480	2.715	0.270	-1.917	0.064	0.000	0.081
x		0.279	2.551	2.674	0.095	-1.508	-0.064	0.000	0.092
σ		0.063	0.126	0.036	0.161	0.360	0.433	0.000	0.009
%RSD		22.450	4.926	1.356	170.400	23.890	674.700	0.000	10.190

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:38	84.336%	2.456	2.206	85.307%	0.012	0.004	-0.171	-0.132
2	17:43:21	86.163%	1.195	1.179	87.146%	-0.004	-0.006	-0.164	-0.120
3	17:44:04	87.667%	0.764	0.758	88.038%	0.006	-0.010	-0.115	-0.101
x		86.055%	1.471	1.381	86.830%	0.005	-0.004	-0.150	-0.117
σ		1.668%	0.880	0.745	1.393%	0.008	0.008	0.031	0.016
%RSD		1.938	59.780	53.920	1.604	158.400	188.700	20.470	13.270

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:38	82.979%	1.236	1.108	1.028	0.100	0.074	85.124%	85.843%
2	17:43:21	84.820%	0.948	0.613	0.607	0.103	0.103	87.414%	88.258%
3	17:44:04	85.916%	0.760	0.369	0.379	0.084	0.101	88.878%	90.002%
x		84.572%	0.981	0.697	0.671	0.096	0.092	87.138%	88.034%
σ		1.484%	0.240	0.376	0.329	0.010	0.016	1.892%	2.088%
%RSD		1.755	24.430	54.030	49.070	10.810	17.490	2.171	2.372

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:38	0.023	0.039	0.226	0.216	0.224	94.566%
2	17:43:21	0.031	0.040	0.219	0.206	0.209	97.774%
3	17:44:04	0.043	0.032	0.213	0.178	0.205	97.645%
x		0.032	0.037	0.219	0.200	0.213	96.662%
σ		0.010	0.004	0.006	0.020	0.010	1.816%
%RSD		29.780	11.780	2.855	9.906	4.876	1.878

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:58	103.420%	-0.024	2.247	1.910	0.000	-22.490	-2.435	-2.503
2	17:47:41	104.703%	-0.028	1.800	1.610	0.000	-22.280	-2.331	-2.116
3	17:48:24	102.924%	-0.020	1.973	1.844	0.000	-21.520	-1.340	-1.410
x		103.682%	-0.024	2.007	1.788	0.000	-22.100	-2.035	-2.009
σ		0.918%	0.004	0.225	0.158	0.000	0.512	0.604	0.554
%RSD		0.885	17.310	11.210	8.808	0.000	2.316	29.680	27.570

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:58	-4.748	0.965	0.000	9.692	-4.642	-4.299	90.228%	-0.053
2	17:47:41	-4.697	0.469	0.000	9.816	-6.385	-3.248	89.860%	-0.052
3	17:48:24	-4.228	0.274	0.000	10.240	-3.807	-4.233	90.981%	0.023
x		-4.557	0.569	0.000	9.916	-4.945	-3.927	90.356%	-0.028
σ		0.287	0.356	0.000	0.287	1.316	0.589	0.572%	0.043
%RSD		6.291	62.560	0.000	2.892	26.610	14.990	0.633	157.500

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:58	0.020	0.373	-0.144	-2.454	-4.739	-0.004	-0.005	-0.098
2	17:47:41	-0.026	0.351	-0.132	-2.797	-4.147	-0.008	0.009	-0.084
3	17:48:24	0.082	0.351	-0.109	-1.943	-3.674	-0.005	0.002	-0.146
x		0.026	0.358	-0.128	-2.398	-4.187	-0.005	0.002	-0.109
σ		0.054	0.013	0.018	0.430	0.534	0.002	0.007	0.032
%RSD		212.700	3.614	14.010	17.910	12.740	43.480	306.400	29.360

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:58	-0.074	-0.346	-0.320	0.060	-0.337	0.861	0.000	-0.032
2	17:47:41	-0.047	-0.319	-0.316	0.218	-0.834	0.554	0.000	-0.027
3	17:48:24	-0.088	-0.381	-0.371	0.511	-0.740	0.837	0.000	-0.021
x		-0.070	-0.349	-0.336	0.263	-0.637	0.751	0.000	-0.027
σ		0.021	0.031	0.031	0.229	0.264	0.171	0.000	0.006
%RSD		29.900	8.874	9.095	87.180	41.410	22.750	0.000	22.150

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:58	88.877%	0.206	0.156	90.697%	-0.005	-0.012	-0.103	-0.078
2	17:47:41	89.721%	0.196	0.183	91.534%	-0.007	-0.010	-0.079	-0.075
3	17:48:24	90.050%	0.231	0.181	91.993%	-0.006	-0.012	-0.139	-0.096
x		89.549%	0.211	0.173	91.408%	-0.006	-0.011	-0.107	-0.083
σ		0.605%	0.018	0.015	0.657%	0.001	0.001	0.030	0.011
%RSD		0.676	8.726	8.556	0.719	21.740	10.700	27.940	13.740

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:58	86.811%	2.572	-0.004	0.002	-0.009	-0.022	86.005%	86.039%
2	17:47:41	87.440%	2.279	-0.011	-0.005	-0.009	0.001	87.291%	87.111%
3	17:48:24	87.611%	2.102	-0.004	0.006	0.004	-0.003	87.730%	87.884%
x		87.288%	2.318	-0.006	0.001	-0.005	-0.008	87.009%	87.011%
σ		0.421%	0.238	0.004	0.005	0.008	0.012	0.896%	0.927%
%RSD		0.483	10.250	61.940	614.800	167.800	151.300	1.030	1.065

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:58	0.014	0.014	0.058	0.038	0.048	88.894%
2	17:47:41	0.012	0.019	0.056	0.056	0.051	90.344%
3	17:48:24	0.016	0.020	0.057	0.043	0.050	91.916%
x		0.014	0.018	0.057	0.046	0.049	90.384%
σ		0.002	0.003	0.001	0.009	0.002	1.511%
%RSD		12.910	17.640	1.242	20.770	3.360	1.672

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:18	106.438%	51.190	1007.000	911.300	0.000	-8.082	7.374	7.465
2	17:52:01	106.674%	50.980	1012.000	904.600	0.000	-8.140	7.427	7.271
3	17:52:44	106.889%	51.760	1040.000	917.900	0.000	-8.164	8.654	7.117
x		106.667%	51.310	1020.000	911.300	0.000	-8.129	7.818	7.284
σ		0.226%	0.405	17.540	6.660	0.000	0.042	0.725	0.174
%RSD		0.212	0.789	1.720	0.731	0.000	0.517	9.267	2.392

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:18	1696.000	6864.000	0.000	45.290	832.400	509.600	91.240%	928.400
2	17:52:01	1687.000	6862.000	0.000	44.340	873.300	490.100	89.991%	938.900
3	17:52:44	1694.000	6915.000	0.000	42.430	804.200	487.300	89.860%	937.500
x		1693.000	6880.000	0.000	44.020	836.600	495.700	90.364%	934.900
σ		4.411	29.820	0.000	1.460	34.750	12.150	0.762%	5.661
%RSD		0.261	0.433	0.000	3.316	4.153	2.451	0.843	0.606

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:18	452.500	188.900	448.800	923.900	907.800	460.100	461.200	243.200
2	17:52:01	455.700	191.000	454.000	926.600	919.500	461.700	461.800	242.500
3	17:52:44	453.700	189.100	453.600	928.200	913.400	460.800	461.700	242.400
x		454.000	189.700	452.200	926.200	913.600	460.900	461.600	242.700
σ		1.631	1.134	2.890	2.181	5.848	0.829	0.341	0.395
%RSD		0.359	0.598	0.639	0.236	0.640	0.180	0.074	0.163

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:18	245.800	470.000	470.600	35.840	6.492	8.494	0.000	938.800
2	17:52:01	246.200	475.200	475.000	36.160	6.506	9.107	0.000	940.900
3	17:52:44	247.800	475.700	477.800	36.110	5.438	9.537	0.000	941.000
x		246.600	473.600	474.400	36.040	6.145	9.046	0.000	940.300
σ		1.049	3.156	3.622	0.172	0.613	0.524	0.000	1.215
%RSD		0.425	0.666	0.763	0.477	9.973	5.794	0.000	0.129

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:18	91.086%	955.500	952.200	91.553%	50.570	51.010	45.280	41.820
2	17:52:01	91.700%	965.700	964.700	91.986%	50.270	51.130	45.180	41.400
3	17:52:44	92.678%	971.100	971.800	92.492%	50.630	51.500	46.100	41.900
x		91.822%	964.100	962.900	92.011%	50.490	51.220	45.520	41.710
σ		0.803%	7.883	9.950	0.470%	0.196	0.257	0.508	0.269
%RSD		0.874	0.818	1.033	0.511	0.387	0.502	1.116	0.645

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:18	87.243%	1882.000	442.300	440.200	1808.000	1794.000	89.032%	89.669%
2	17:52:01	88.763%	1882.000	445.500	442.200	1804.000	1791.000	90.860%	91.258%
3	17:52:44	89.307%	1895.000	446.500	444.100	1814.000	1792.000	91.515%	92.427%
x		88.438%	1886.000	444.800	442.200	1808.000	1792.000	90.469%	91.118%
σ		1.070%	7.652	2.170	1.954	5.041	1.769	1.286%	1.385%
%RSD		1.210	0.406	0.488	0.442	0.279	0.099	1.422	1.520

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:18	45.660	46.160	18.700	20.190	19.440	96.436%
2	17:52:01	46.320	46.670	18.670	20.210	19.470	98.599%
3	17:52:44	46.470	46.790	18.720	19.880	19.340	99.708%
x		46.150	46.540	18.690	20.090	19.420	98.248%
σ		0.434	0.337	0.027	0.183	0.070	1.664%
%RSD		0.940	0.723	0.142	0.909	0.359	1.693

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:58:30	110.121%	12.930	12.390	11.690	0.000	154.600	1167.000	1107.000
2	17:59:13	110.899%	12.830	12.000	10.730	0.000	156.800	1182.000	1113.000
3	17:59:56	111.469%	12.550	11.810	10.570	0.000	156.000	1174.000	1099.000
x		110.830%	12.770	12.070	10.990	0.000	155.800	1174.000	1106.000
σ		0.677%	0.196	0.298	0.605	0.000	1.158	7.675	6.998
%RSD		0.611	1.539	2.472	5.505	0.000	0.743	0.654	0.632
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:58:30	113600.000	2657.000	0.000	1883.000	1827.000	1639.000	100.244%	801.200
2	17:59:13	114500.000	2654.000	0.000	1917.000	1827.000	1674.000	100.264%	804.700
3	17:59:56	114700.000	2670.000	0.000	1916.000	1839.000	1664.000	100.851%	799.200
x		114300.000	2661.000	0.000	1905.000	1831.000	1659.000	100.453%	801.700
σ		603.800	8.535	0.000	19.150	6.973	17.640	0.345%	2.778
%RSD		0.529	0.321	0.000	1.005	0.381	1.064	0.343	0.347
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:58:30	380.200	189.600	588.200	396200.000	399100.000	36.300	74.140	65.090
2	17:59:13	385.900	191.500	596.600	399300.000	402900.000	37.090	75.720	65.940
3	17:59:56	385.000	190.300	596.000	399900.000	404500.000	36.790	75.870	65.760
x		383.700	190.500	593.600	398400.000	402200.000	36.730	75.240	65.600
σ		3.078	0.973	4.659	1938.000	2799.000	0.400	0.956	0.449
%RSD		0.802	0.511	0.785	0.486	0.696	1.090	1.270	0.685
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:58:30	66.850	231.100	234.700	45.240	1.452	4.798	0.000	13.690
2	17:59:13	67.990	234.500	235.700	46.030	1.028	5.031	0.000	13.850
3	17:59:56	67.110	232.800	236.300	47.420	0.671	4.280	0.000	13.830
x		67.320	232.800	235.600	46.230	1.050	4.703	0.000	13.790
σ		0.598	1.683	0.802	1.102	0.391	0.385	0.000	0.084
%RSD		0.888	0.723	0.341	2.384	37.220	8.175	0.000	0.608
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:58:30	0.000	15.460	15.380	86.246%	0.054	0.031	0.997	0.749
2	17:59:13	0.000	13.710	13.900	87.511%	0.073	0.030	1.093	0.805
3	17:59:56	0.000	12.950	12.680	88.128%	0.073	0.037	0.831	0.660
x		0.000	14.040	13.990	87.295%	0.067	0.033	0.974	0.738
σ		0.000	1.287	1.356	0.959%	0.011	0.004	0.133	0.073
%RSD		0.000	9.167	9.697	1.099	16.420	12.020	13.640	9.868
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:58:30	82.801%	24.060	1.795	1.825	108.300	107.100	91.742%	92.693%
2	17:59:13	84.179%	22.420	1.754	1.711	108.000	108.400	93.994%	94.363%
3	17:59:56	85.137%	21.010	1.666	1.700	109.100	107.900	93.691%	95.305%
x		84.039%	22.500	1.738	1.745	108.500	107.800	93.142%	94.120%
σ		1.174%	1.524	0.066	0.069	0.575	0.635	1.222%	1.323%
%RSD		1.397	6.775	3.783	3.963	0.529	0.589	1.312	1.405
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	17:58:30	0.697	0.679	63.510	64.900	64.660	86.447%		
2	17:59:13	0.670	0.649	64.120	65.720	65.210	87.968%		
3	17:59:56	0.620	0.638	63.690	65.520	65.040	88.236%		
x		0.662	0.656	63.770	65.380	64.970	87.550%		
σ		0.039	0.021	0.310	0.429	0.279	0.965%		
%RSD		5.901	3.249	0.485	0.656	0.429	1.102		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:47	111.537%	7.837	24.360	21.560	0.000	623.700	22880.000	21590.000
2	18:03:30	113.233%	7.614	23.740	21.750	0.000	633.100	22580.000	20850.000
3	18:04:13	112.844%	7.866	23.760	21.120	0.000	642.000	22750.000	21110.000
x		112.538%	7.772	23.960	21.470	0.000	632.900	22740.000	21180.000
σ		0.888%	0.138	0.351	0.324	0.000	9.181	153.800	373.000
%RSD		0.789	1.774	1.467	1.508	0.000	1.451	0.676	1.761

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:47	87200.000	3924.000	0.000	3161.000	62490.000	62590.000	100.705%	1595.000
2	18:03:30	84570.000	3833.000	0.000	3167.000	62820.000	62780.000	101.886%	1592.000
3	18:04:13	84450.000	3833.000	0.000	3201.000	62890.000	63020.000	101.500%	1583.000
x		85410.000	3863.000	0.000	3177.000	62730.000	62800.000	101.364%	1590.000
σ		1557.000	52.840	0.000	21.560	210.400	214.000	0.602%	5.995
%RSD		1.823	1.368	0.000	0.679	0.335	0.341	0.594	0.377

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:47	261.200	104.700	2857.000	134100.000	134800.000	67.140	73.720	184.600
2	18:03:30	263.500	103.800	2829.000	132600.000	133700.000	65.700	73.400	183.200
3	18:04:13	259.100	103.000	2826.000	132800.000	133600.000	65.820	73.300	183.000
x		261.300	103.800	2837.000	133100.000	134000.000	66.220	73.470	183.600
σ		2.166	0.849	17.290	846.300	667.100	0.801	0.218	0.860
%RSD		0.829	0.817	0.609	0.636	0.498	1.210	0.297	0.468

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:47	189.100	586.600	594.500	24.940	3.212	7.932	0.000	127.100
2	18:03:30	187.400	589.300	597.700	24.760	3.045	8.069	0.000	128.200
3	18:04:13	188.900	593.500	603.900	24.520	2.551	7.286	0.000	128.900
x		188.400	589.800	598.700	24.740	2.936	7.763	0.000	128.100
σ		0.927	3.465	4.783	0.210	0.344	0.418	0.000	0.931
%RSD		0.492	0.588	0.799	0.849	11.720	5.388	0.000	0.727

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:47	0.000	6.496	6.418	87.469%	0.574	0.526	25.100	24.660
2	18:03:30	0.000	6.364	6.247	88.422%	0.529	0.530	24.330	24.200
3	18:04:13	0.000	6.016	6.088	88.685%	0.530	0.562	25.070	24.720
x		0.000	6.292	6.251	88.192%	0.544	0.539	24.830	24.530
σ		0.000	0.248	0.165	0.639%	0.025	0.020	0.437	0.285
%RSD		0.000	3.941	2.639	0.725	4.666	3.646	1.760	1.161

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:47	84.533%	30.560	2.264	2.191	656.000	653.500	96.412%	96.785%
2	18:03:30	86.399%	30.460	2.224	2.210	658.500	651.200	98.321%	98.931%
3	18:04:13	86.976%	30.260	2.194	2.266	661.200	654.200	99.620%	100.400%
x		85.970%	30.430	2.227	2.222	658.600	652.900	98.118%	98.705%
σ		1.277%	0.154	0.035	0.039	2.622	1.569	1.613%	1.818%
%RSD		1.485	0.506	1.569	1.752	0.398	0.240	1.644	1.842

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:47	0.868	0.895	647.800	628.400	650.700	87.993%
2	18:03:30	0.897	0.913	644.100	627.800	648.000	90.515%
3	18:04:13	0.881	0.880	644.300	628.600	649.300	91.601%
x		0.882	0.896	645.400	628.300	649.400	90.036%
σ		0.015	0.017	2.079	0.412	1.339	1.851%
%RSD		1.686	1.851	0.322	0.066	0.206	2.056

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:04	102.093%	1.682	6.395	5.911	0.000	110.600	4727.000	4575.000
2	18:07:47	102.971%	1.571	6.271	5.769	0.000	112.900	4711.000	4543.000
3	18:08:30	102.916%	1.681	6.485	6.020	0.000	111.800	4708.000	4535.000
x		102.660%	1.644	6.383	5.900	0.000	111.800	4715.000	4551.000
σ		0.492%	0.064	0.108	0.126	0.000	1.198	10.470	21.200
%RSD		0.479	3.887	1.689	2.135	0.000	1.072	0.222	0.466

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:04	18640.000	884.400	0.000	672.500	12930.000	12940.000	92.100%	342.300
2	18:07:47	18550.000	868.600	0.000	672.700	13220.000	12950.000	92.312%	343.400
3	18:08:30	18260.000	860.700	0.000	676.900	13310.000	12990.000	92.332%	342.300
x		18480.000	871.300	0.000	674.000	13150.000	12960.000	92.248%	342.700
σ		199.200	12.030	0.000	2.479	195.200	27.240	0.129%	0.611
%RSD		1.078	1.380	0.000	0.368	1.484	0.210	0.140	0.178

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:04	55.100	22.210	585.100	27530.000	27400.000	13.400	15.070	37.530
2	18:07:47	55.270	22.200	586.900	27420.000	27340.000	13.500	15.630	37.070
3	18:08:30	55.190	22.080	581.900	27430.000	27480.000	13.300	15.070	36.950
x		55.190	22.160	584.600	27460.000	27410.000	13.400	15.260	37.180
σ		0.084	0.076	2.507	59.730	69.070	0.099	0.326	0.305
%RSD		0.151	0.341	0.429	0.218	0.252	0.741	2.133	0.821

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:04	37.580	120.200	120.500	4.192	-1.318	-1.929	0.000	20.960
2	18:07:47	37.680	121.400	120.800	4.207	-1.419	-1.471	0.000	20.960
3	18:08:30	37.120	120.400	119.300	4.307	-1.459	-1.185	0.000	20.950
x		37.460	120.700	120.200	4.235	-1.398	-1.528	0.000	20.960
σ		0.302	0.640	0.790	0.063	0.073	0.375	0.000	0.004
%RSD		0.807	0.530	0.657	1.481	5.197	24.530	0.000	0.021

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:04	110.421%	1.233	1.310	89.391%	0.109	0.099	5.064	4.989
2	18:07:47	111.855%	1.223	1.308	90.017%	0.111	0.101	4.829	5.119
3	18:08:30	112.082%	1.242	1.334	90.472%	0.101	0.094	5.050	5.019
x		111.453%	1.233	1.317	89.960%	0.107	0.098	4.981	5.042
σ		0.901%	0.010	0.015	0.543%	0.005	0.003	0.132	0.068
%RSD		0.808	0.780	1.113	0.603	4.959	3.346	2.648	1.348

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:04	85.893%	5.313	0.459	0.448	139.900	137.700	87.351%	87.906%
2	18:07:47	86.402%	4.967	0.452	0.490	139.700	138.300	88.422%	89.064%
3	18:08:30	86.636%	5.206	0.488	0.510	140.500	138.400	88.943%	89.408%
x		86.310%	5.162	0.466	0.483	140.000	138.200	88.239%	88.793%
σ		0.380%	0.177	0.019	0.032	0.433	0.398	0.812%	0.787%
%RSD		0.440	3.434	4.142	6.568	0.309	0.288	0.920	0.887

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:07:04	0.198	0.195	132.200	128.600	130.200	89.737%
2	18:07:47	0.216	0.204	132.600	128.500	129.900	91.908%
3	18:08:30	0.207	0.198	131.300	127.900	129.300	92.976%
x		0.207	0.199	132.000	128.300	129.800	91.540%
σ		0.009	0.005	0.618	0.391	0.461	1.650%
%RSD		4.441	2.321	0.468	0.305	0.355	1.803

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:22	110.585%	52.860	833.600	773.000	0.000	834.800	30970.000	29220.000
2	18:12:05	111.645%	53.430	826.700	747.600	0.000	840.100	30910.000	28740.000
3	18:12:48	110.920%	54.190	844.900	757.600	0.000	856.400	31160.000	28860.000
x		111.050%	53.490	835.100	759.400	0.000	843.800	31010.000	28940.000
σ		0.542%	0.664	9.230	12.770	0.000	11.250	131.500	249.200
%RSD		0.488	1.242	1.105	1.682	0.000	1.334	0.424	0.861

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:22	160500.000	6309.000	0.000	5856.000	75360.000	75560.000	103.093%	3164.000
2	18:12:05	157400.000	6201.000	0.000	5916.000	75730.000	75990.000	104.719%	3148.000
3	18:12:48	157200.000	6190.000	0.000	6019.000	77200.000	77070.000	103.765%	3154.000
x		158300.000	6233.000	0.000	5930.000	76100.000	76200.000	103.859%	3155.000
σ		1855.000	65.570	0.000	82.040	973.400	780.700	0.817%	8.117
%RSD		1.172	1.052	0.000	1.383	1.279	1.024	0.786	0.257

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:22	753.900	305.100	3357.000	164000.000	165400.000	457.600	496.000	385.900
2	18:12:05	751.600	300.600	3315.000	162500.000	164300.000	451.500	487.300	381.700
3	18:12:48	752.200	301.800	3355.000	163000.000	164800.000	453.600	490.900	383.500
x		752.600	302.500	3342.000	163200.000	164800.000	454.300	491.400	383.700
σ		1.181	2.293	23.330	753.700	520.800	3.103	4.349	2.125
%RSD		0.157	0.758	0.698	0.462	0.316	0.683	0.885	0.554

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:22	393.800	1218.000	1227.000	57.370	10.730	16.620	0.000	1061.000
2	18:12:05	391.400	1221.000	1241.000	58.840	11.060	17.850	0.000	1066.000
3	18:12:48	393.300	1233.000	1246.000	59.400	10.630	16.640	0.000	1071.000
x		392.800	1224.000	1238.000	58.540	10.810	17.040	0.000	1066.000
σ		1.245	7.938	9.770	1.049	0.222	0.706	0.000	4.857
%RSD		0.317	0.649	0.789	1.792	2.051	4.142	0.000	0.456

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:22	0.000	882.400	887.000	84.811%	47.380	47.460	79.240	75.600
2	18:12:05	0.000	892.100	899.800	86.583%	47.150	47.760	79.680	74.950
3	18:12:48	0.000	902.000	907.700	87.077%	47.020	47.620	78.640	74.530
x		0.000	892.200	898.200	86.157%	47.180	47.620	79.190	75.030
σ		0.000	9.772	10.480	1.192%	0.183	0.152	0.525	0.539
%RSD		0.000	1.095	1.167	1.383	0.388	0.319	0.662	0.719

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:22	81.463%	1698.000	240.700	239.200	2469.000	2436.000	94.632%	94.961%
2	18:12:05	83.637%	1702.000	242.500	239.600	2470.000	2432.000	97.432%	97.835%
3	18:12:48	84.790%	1691.000	241.700	239.200	2449.000	2424.000	99.069%	99.246%
x		83.296%	1697.000	241.600	239.300	2463.000	2431.000	97.045%	97.347%
σ		1.690%	5.338	0.855	0.246	12.170	6.545	2.244%	2.184%
%RSD		2.028	0.315	0.354	0.103	0.494	0.269	2.312	2.243

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:11:22	47.380	48.200	799.600	777.800	808.800	79.566%
2	18:12:05	47.690	48.710	799.200	777.200	807.100	82.146%
3	18:12:48	48.150	48.840	801.700	781.500	810.800	82.995%
x		47.740	48.590	800.200	778.800	808.900	81.569%
σ		0.389	0.337	1.352	2.342	1.860	1.786%
%RSD		0.815	0.694	0.169	0.301	0.230	2.190

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:40	111.525%	52.260	817.000	750.200	0.000	979.200	37220.000	34720.000
2	18:16:23	111.635%	53.710	829.000	751.800	0.000	987.700	37530.000	34950.000
3	18:17:06	111.023%	53.200	833.600	755.500	0.000	993.500	37370.000	34920.000
x		111.394%	53.060	826.500	752.500	0.000	986.800	37370.000	34860.000
σ		0.326%	0.737	8.563	2.727	0.000	7.188	156.100	126.100
%RSD		0.293	1.389	1.036	0.362	0.000	0.728	0.418	0.362

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:40	166100.000	5684.000	0.000	6360.000	90070.000	90390.000	103.774%	3260.000
2	18:16:23	166500.000	5645.000	0.000	6409.000	90420.000	91280.000	103.691%	3260.000
3	18:17:06	165100.000	5590.000	0.000	6415.000	90500.000	91030.000	103.599%	3252.000
x		165900.000	5639.000	0.000	6394.000	90330.000	90900.000	103.688%	3258.000
σ		713.600	47.280	0.000	30.230	233.900	462.800	0.088%	4.754
%RSD		0.430	0.839	0.000	0.473	0.259	0.509	0.084	0.146

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:40	714.100	277.300	3152.000	153300.000	155300.000	448.800	485.300	355.800
2	18:16:23	713.200	279.800	3152.000	155300.000	156300.000	451.300	493.600	358.000
3	18:17:06	710.500	278.800	3151.000	154400.000	155800.000	446.300	485.800	356.100
x		712.600	278.600	3152.000	154400.000	155800.000	448.800	488.200	356.600
σ		1.896	1.240	0.331	994.000	487.400	2.490	4.645	1.210
%RSD		0.266	0.445	0.011	0.644	0.313	0.555	0.951	0.339

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:40	364.300	1087.000	1106.000	53.310	10.730	16.230	0.000	1077.000
2	18:16:23	366.500	1098.000	1106.000	54.070	10.380	17.020	0.000	1083.000
3	18:17:06	365.900	1099.000	1117.000	54.480	10.660	16.560	0.000	1086.000
x		365.500	1095.000	1110.000	53.960	10.590	16.600	0.000	1082.000
σ		1.138	6.542	6.052	0.595	0.187	0.398	0.000	4.745
%RSD		0.311	0.597	0.545	1.102	1.768	2.399	0.000	0.439

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:40	0.000	901.000	906.500	85.047%	46.600	47.040	72.080	66.440
2	18:16:23	0.000	910.600	914.400	85.769%	46.500	47.040	71.750	68.080
3	18:17:06	0.000	914.800	921.400	85.589%	46.800	47.250	72.900	68.030
x		0.000	908.800	914.100	85.468%	46.630	47.110	72.240	67.520
σ		0.000	7.091	7.478	0.376%	0.151	0.123	0.590	0.932
%RSD		0.000	0.780	0.818	0.439	0.324	0.260	0.817	1.381

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:40	81.752%	1701.000	231.900	228.800	2470.000	2435.000	96.020%	96.201%
2	18:16:23	82.937%	1700.000	233.100	231.000	2471.000	2446.000	97.086%	97.613%
3	18:17:06	82.332%	1720.000	234.300	230.700	2489.000	2449.000	97.166%	97.697%
x		82.340%	1707.000	233.100	230.200	2476.000	2443.000	96.757%	97.170%
σ		0.592%	11.160	1.191	1.177	10.500	7.534	0.640%	0.841%
%RSD		0.720	0.654	0.511	0.512	0.424	0.308	0.661	0.865

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:15:40	47.500	47.960	626.400	611.400	636.100	79.509%
2	18:16:23	47.920	48.460	628.000	611.900	636.400	80.779%
3	18:17:06	47.910	48.510	627.500	612.100	636.200	80.966%
x		47.770	48.310	627.300	611.800	636.200	80.418%
σ		0.242	0.304	0.854	0.350	0.178	0.793%
%RSD		0.507	0.628	0.136	0.057	0.028	0.986

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:51	110.046%	6.052	25.150	22.890	0.000	314.400	10630.000	9985.000
2	18:23:34	111.030%	6.050	23.740	21.920	0.000	316.900	10650.000	9966.000
3	18:24:17	111.783%	5.955	23.020	21.290	0.000	317.000	10670.000	9920.000
x		110.953%	6.019	23.970	22.030	0.000	316.100	10650.000	9957.000
σ		0.871%	0.056	1.080	0.804	0.000	1.471	22.360	33.140
%RSD		0.785	0.925	4.506	3.651	0.000	0.465	0.210	0.333

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:51	73510.000	2846.000	0.000	2753.000	18420.000	17970.000	103.400%	1471.000
2	18:23:34	73590.000	2815.000	0.000	2800.000	18610.000	18230.000	104.563%	1472.000
3	18:24:17	73550.000	2836.000	0.000	2813.000	18920.000	18240.000	104.898%	1478.000
x		73550.000	2832.000	0.000	2788.000	18650.000	18140.000	104.287%	1473.000
σ		37.390	15.560	0.000	31.400	252.800	154.600	0.787%	4.244
%RSD		0.051	0.549	0.000	1.126	1.356	0.852	0.754	0.288

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:51	301.300	112.100	3556.000	154400.000	154600.000	58.380	74.720	142.400
2	18:23:34	298.800	112.000	3551.000	153600.000	154300.000	59.050	74.590	142.500
3	18:24:17	301.300	111.600	3556.000	154100.000	154900.000	58.520	75.640	143.800
x		300.500	111.900	3554.000	154000.000	154600.000	58.650	74.980	142.900
σ		1.438	0.258	2.705	416.900	314.700	0.353	0.570	0.775
%RSD		0.478	0.231	0.076	0.271	0.204	0.601	0.760	0.543

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:51	146.000	922.400	932.100	25.070	2.139	6.793	0.000	59.570
2	18:23:34	146.100	929.600	943.100	24.600	1.727	7.641	0.000	59.690
3	18:24:17	147.300	937.000	949.400	23.700	1.999	5.726	0.000	60.070
x		146.500	929.700	941.500	24.460	1.955	6.720	0.000	59.780
σ		0.736	7.282	8.761	0.696	0.210	0.960	0.000	0.258
%RSD		0.502	0.783	0.930	2.844	10.720	14.280	0.000	0.432

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:51	0.000	15.460	15.160	88.105%	0.469	0.461	5.969	5.714
2	18:23:34	0.000	11.630	11.480	90.010%	0.458	0.481	6.116	5.676
3	18:24:17	0.000	9.759	9.937	90.340%	0.477	0.487	6.030	5.690
x		0.000	12.280	12.190	89.485%	0.468	0.477	6.038	5.693
σ		0.000	2.906	2.683	1.207%	0.010	0.013	0.073	0.019
%RSD		0.000	23.660	22.010	1.348	2.042	2.794	1.217	0.334

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:51	83.943%	47.700	12.580	12.760	778.400	770.600	92.954%	93.669%
2	18:23:34	86.228%	46.280	12.660	12.530	775.500	768.800	95.722%	95.974%
3	18:24:17	86.376%	45.840	12.650	12.660	780.500	774.600	96.512%	96.643%
x		85.516%	46.610	12.630	12.650	778.100	771.400	95.062%	95.429%
σ		1.364%	0.973	0.043	0.116	2.515	2.976	1.869%	1.560%
%RSD		1.595	2.087	0.341	0.921	0.323	0.386	1.966	1.635

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:51	1.006	1.000	2089.000	2112.000	2109.000	88.231%
2	18:23:34	0.958	0.983	2081.000	2109.000	2103.000	90.728%
3	18:24:17	1.005	0.982	2098.000	2120.000	2118.000	91.070%
x		0.990	0.989	2090.000	2114.000	2110.000	90.010%
σ		0.027	0.010	8.646	5.414	7.325	1.550%
%RSD		2.769	1.029	0.414	0.256	0.347	1.722

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:27:09	106.960%	6.158	39.520	37.040	0.000	474.600	11770.000	11140.000
2	18:27:53	106.489%	6.376	42.280	37.020	0.000	493.700	11880.000	11170.000
3	18:28:36	106.908%	6.154	39.090	36.020	0.000	482.600	11810.000	11060.000
x		106.786%	6.230	40.300	36.690	0.000	483.600	11820.000	11120.000
σ		0.258%	0.127	1.732	0.586	0.000	9.550	57.060	56.850
%RSD		0.242	2.040	4.298	1.596	0.000	1.975	0.483	0.511

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:27:09	89560.000	2940.000	0.000	5407.000	31600.000	31850.000	102.085%	1846.000
2	18:27:53	88590.000	2863.000	0.000	5480.000	32220.000	32210.000	102.451%	1848.000
3	18:28:36	88520.000	2845.000	0.000	5488.000	31960.000	32080.000	102.546%	1841.000
x		88890.000	2883.000	0.000	5459.000	31920.000	32050.000	102.361%	1845.000
σ		581.200	50.370	0.000	44.650	313.900	182.300	0.243%	3.926
%RSD		0.654	1.747	0.000	0.818	0.983	0.569	0.238	0.213

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:27:09	312.000	137.200	3770.000	161900.000	162500.000	62.660	94.990	232.200
2	18:27:53	315.400	137.400	3773.000	162600.000	163600.000	63.020	94.660	233.100
3	18:28:36	312.500	136.200	3779.000	161500.000	162600.000	62.570	94.160	232.200
x		313.300	136.900	3774.000	162000.000	162900.000	62.750	94.600	232.500
σ		1.834	0.686	4.889	542.100	608.100	0.241	0.416	0.551
%RSD		0.585	0.501	0.130	0.335	0.373	0.384	0.440	0.237

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:27:09	237.200	1201.000	1218.000	29.680	3.052	7.543	0.000	124.200
2	18:27:53	237.200	1215.000	1229.000	28.530	2.884	6.791	0.000	124.700
3	18:28:36	234.900	1216.000	1231.000	29.150	2.978	7.660	0.000	124.500
x		236.400	1210.000	1226.000	29.120	2.971	7.332	0.000	124.500
σ		1.350	8.622	7.058	0.578	0.084	0.472	0.000	0.279
%RSD		0.571	0.712	0.576	1.985	2.828	6.431	0.000	0.224

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:27:09	0.000	8.600	8.726	86.851%	0.660	0.698	9.000	9.228
2	18:27:53	0.000	8.159	8.454	87.651%	0.689	0.654	9.191	8.912
3	18:28:36	0.000	8.090	8.163	88.363%	0.660	0.713	9.193	9.050
x		0.000	8.283	8.448	87.622%	0.670	0.688	9.128	9.063
σ		0.000	0.277	0.282	0.756%	0.017	0.031	0.111	0.158
%RSD		0.000	3.343	3.334	0.863	2.521	4.469	1.216	1.748

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:27:09	82.381%	33.200	3.659	3.653	840.300	833.100	90.962%	91.418%
2	18:27:53	83.722%	33.280	3.711	3.629	838.500	829.500	92.901%	93.155%
3	18:28:36	84.956%	32.540	3.681	3.679	833.000	823.000	93.846%	94.064%
x		83.686%	33.010	3.684	3.654	837.200	828.500	92.570%	92.879%
σ		1.288%	0.405	0.026	0.025	3.836	5.102	1.471%	1.344%
%RSD		1.539	1.226	0.718	0.687	0.458	0.616	1.589	1.447

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:27:09	1.097	1.141	952.700	936.300	967.400	85.511%
2	18:27:53	1.090	1.101	951.900	931.700	964.200	87.604%
3	18:28:36	1.021	1.077	947.600	929.900	961.000	88.417%
x		1.069	1.107	950.700	932.600	964.200	87.177%
σ		0.042	0.032	2.743	3.285	3.210	1.499%
%RSD		3.916	2.926	0.289	0.352	0.333	1.720

CCV1-4 11/8/2010 6:33:39 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:22	82.168%	102.500	100.000	97.300	0.000	46070.000	48670.000	48600.000
2	18:35:04	80.536%	103.900	101.500	98.740	0.000	46480.000	48660.000	48820.000
3	18:35:48	80.062%	103.700	100.300	99.590	0.000	46990.000	49170.000	49340.000
x		80.922%	103.355%	100.614%	98.545%	0.000	93.026%	97.673%	97.834%
σ		1.105%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.365	0.711	0.752	1.173	0.000	1.000	0.592	0.780

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:22	492.700	5040.000	0.000	48620.000	49070.000	50280.000	80.044%	101.200
2	18:35:04	494.400	5043.000	0.000	48630.000	48970.000	49980.000	80.223%	101.500
3	18:35:48	508.600	5084.000	0.000	48860.000	49250.000	50540.000	79.384%	102.600
x		99.716%	101.114%	0.000	97.404%	98.194%	100.533%	79.884%	101.780%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.442%	n/a
%RSD		1.755	0.489	0.000	0.275	0.288	0.561	0.554	0.746

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:22	100.600	99.420	486.800	25010.000	24690.000	99.740	99.860	101.900
2	18:35:04	99.380	98.500	482.800	24890.000	24380.000	98.300	97.600	100.700
3	18:35:48	99.770	99.600	488.200	25030.000	24720.000	98.780	98.990	100.900
x		99.915%	99.176%	97.191%	99.906%	98.391%	98.940%	98.816%	101.159%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.622	0.595	0.578	0.290	0.783	0.741	1.153	0.638

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:22	101.400	103.400	102.400	102.500	101.500	105.600	0.000	99.120
2	18:35:04	100.700	102.600	103.700	102.900	102.100	103.600	0.000	99.110
3	18:35:48	101.600	102.600	102.700	102.300	101.400	104.900	0.000	99.130
x		101.241%	102.866%	102.933%	102.561%	101.672%	104.679%	0.000	99.119%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.433	0.467	0.657	0.302	0.390	0.970	0.000	0.008

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:22	77.466%	77.580	77.450	77.876%	102.600	104.100	100.100	100.300
2	18:35:04	77.478%	85.900	86.960	78.280%	102.500	103.100	99.450	100.200
3	18:35:48	77.062%	93.240	92.860	78.068%	102.800	103.700	98.630	99.570
x		77.335%	85.572%	85.756%	78.074%	102.627%	103.635%	99.402%	100.022%
σ		0.237%	n/a	n/a	0.202%	n/a	n/a	n/a	n/a
%RSD		0.306	9.159	9.072	0.259	0.145	0.491	0.757	0.391

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:22	74.162%	97.150	94.050	94.420	98.210	98.530	74.028%	73.821%
2	18:35:04	73.902%	97.070	97.060	96.530	98.740	97.580	73.908%	74.298%
3	18:35:48	73.757%	97.680	98.430	98.560	98.550	98.080	74.112%	74.244%
x		73.941%	97.301%	96.516%	96.505%	98.501%	98.065%	74.016%	74.121%
σ		0.205%	n/a	n/a	n/a	n/a	n/a	0.102%	0.261%
%RSD		0.278	0.342	2.324	2.146	0.274	0.485	0.138	0.352

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:22	103.900	104.700	104.500	104.800	105.000	74.280%
2	18:35:04	102.900	104.200	104.800	104.500	104.800	75.214%
3	18:35:48	103.200	104.500	104.700	105.000	105.100	75.125%
x		103.338%	104.464%	104.682%	104.768%	104.971%	74.873%
σ		n/a	n/a	n/a	n/a	n/a	0.516%
%RSD		0.506	0.223	0.156	0.238	0.138	0.689

CCB4 11/8/2010 6:40:53 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:36	96.779%	-0.019	2.255	2.486	0.000	-14.250	0.811	1.268
2	18:42:19	97.318%	-0.002	2.515	2.637	0.000	-5.891	11.710	11.970
3	18:43:02	97.635%	-0.002	2.228	2.305	0.000	-4.613	12.520	12.640
x		97.244%	-0.008	2.333	2.476	0.000	-8.252	8.346	8.626
σ		0.432%	0.010	0.159	0.166	0.000	5.235	6.538	6.381
%RSD		0.445	129.500	6.807	6.715	0.000	63.440	78.340	73.970

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:36	-3.870	-0.140	0.000	7.919	-0.375	-3.014	91.761%	-0.010
2	18:42:19	3.324	0.366	0.000	15.890	9.749	8.290	93.030%	0.078
3	18:43:02	3.883	2.151	0.000	17.000	7.940	9.465	93.604%	0.061
x		1.112	0.792	0.000	13.600	5.772	4.914	92.798%	0.043
σ		4.324	1.203	0.000	4.954	5.399	6.891	0.943%	0.046
%RSD		388.800	151.900	0.000	36.420	93.550	140.200	1.017	107.900

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:36	0.038	-0.035	0.054	14.180	14.140	-0.007	-0.032	-0.260
2	18:42:19	0.044	0.032	0.387	24.260	23.180	0.028	-0.009	-0.189
3	18:43:02	0.079	0.029	0.387	24.120	26.550	0.030	0.044	-0.217
x		0.054	0.009	0.276	20.850	21.290	0.017	0.001	-0.222
σ		0.022	0.038	0.193	5.779	6.417	0.021	0.039	0.036
%RSD		41.060	418.400	69.800	27.710	30.140	120.900	4876.000	16.070

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:36	-0.219	-0.841	-0.880	-0.058	0.541	-0.466	0.000	-0.020
2	18:42:19	-0.172	-0.708	-0.651	0.045	0.188	0.501	0.000	0.058
3	18:43:02	-0.150	-0.634	-0.708	0.006	0.020	0.382	0.000	0.063
x		-0.181	-0.728	-0.746	-0.003	0.250	0.139	0.000	0.034
σ		0.035	0.105	0.119	0.052	0.266	0.527	0.000	0.047
%RSD		19.590	14.400	16.000	2024.000	106.500	378.900	0.000	138.200

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:36	90.457%	1.879	1.935	96.470%	0.003	-0.006	-0.011	0.001
2	18:42:19	91.714%	1.785	1.741	97.961%	0.016	0.006	-0.077	-0.051
3	18:43:02	92.622%	1.464	1.548	98.316%	0.011	0.008	-0.021	0.000
x		91.598%	1.709	1.741	97.582%	0.010	0.003	-0.036	-0.017
σ		1.087%	0.217	0.193	0.979%	0.007	0.008	0.036	0.030
%RSD		1.187	12.710	11.110	1.004	69.060	286.400	97.620	181.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:36	87.159%	-0.481	0.333	0.343	-0.019	-0.011	86.764%	86.650%
2	18:42:19	89.203%	-0.431	0.333	0.341	0.109	0.129	88.429%	88.633%
3	18:43:02	89.807%	-0.459	0.308	0.324	0.104	0.112	89.506%	89.251%
x		88.723%	-0.457	0.325	0.336	0.064	0.077	88.233%	88.178%
σ		1.388%	0.025	0.015	0.010	0.073	0.076	1.381%	1.359%
%RSD		1.564	5.428	4.471	3.022	112.900	99.260	1.565	1.541

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:36	0.016	0.017	0.105	0.098	0.112	87.742%
2	18:42:19	0.048	0.041	0.168	0.143	0.157	90.284%
3	18:43:02	0.037	0.044	0.165	0.167	0.153	91.741%
x		0.034	0.034	0.146	0.136	0.140	89.922%
σ		0.016	0.015	0.036	0.035	0.025	2.024%
%RSD		47.350	44.080	24.600	25.440	17.800	2.251

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:56	107.603%	5.100	19.110	16.110	0.000	252.500	6892.000	6582.000
2	18:46:39	109.381%	4.973	18.000	16.740	0.000	256.400	7017.000	6645.000
3	18:47:22	112.103%	4.725	17.560	16.380	0.000	252.600	6949.000	6584.000
x		109.696%	4.933	18.220	16.410	0.000	253.800	6953.000	6604.000
σ		2.266%	0.191	0.798	0.316	0.000	2.188	62.300	35.740
%RSD		2.066	3.866	4.378	1.927	0.000	0.862	0.896	0.541

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:56	88900.000	2400.000	0.000	4380.000	10070.000	9687.000	96.648%	1666.000
2	18:46:39	90650.000	2393.000	0.000	4447.000	10150.000	9803.000	98.568%	1663.000
3	18:47:22	88640.000	2393.000	0.000	4446.000	10070.000	9863.000	100.078%	1681.000
x		89400.000	2395.000	0.000	4424.000	10100.000	9785.000	98.431%	1670.000
σ		1092.000	3.770	0.000	38.530	45.870	89.640	1.719%	9.594
%RSD		1.222	0.157	0.000	0.871	0.454	0.916	1.747	0.575

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:56	328.600	140.300	2866.000	170000.000	170500.000	67.630	75.440	199.100
2	18:46:39	327.100	138.700	2881.000	171100.000	171400.000	67.840	74.880	199.800
3	18:47:22	327.300	140.600	2887.000	170400.000	171300.000	67.580	75.440	198.100
x		327.700	139.900	2878.000	170500.000	171000.000	67.690	75.250	199.000
σ		0.837	0.981	10.570	540.400	479.200	0.139	0.323	0.866
%RSD		0.255	0.702	0.367	0.317	0.280	0.205	0.429	0.435

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:56	202.000	701.400	709.500	33.600	3.189	6.004	0.000	42.050
2	18:46:39	203.400	709.000	716.300	34.010	2.837	6.439	0.000	42.800
3	18:47:22	202.700	707.700	714.400	33.930	2.543	4.762	0.000	42.460
x		202.700	706.100	713.400	33.850	2.856	5.735	0.000	42.440
σ		0.683	4.069	3.478	0.217	0.324	0.870	0.000	0.372
%RSD		0.337	0.576	0.488	0.640	11.330	15.180	0.000	0.876

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:56	0.000	9.188	9.382	81.915%	0.480	0.490	2.633	2.331
2	18:46:39	0.000	8.330	8.257	84.240%	0.475	0.487	2.416	2.383
3	18:47:22	0.000	7.814	7.801	85.508%	0.464	0.538	2.689	2.496
x		0.000	8.444	8.480	83.888%	0.473	0.505	2.580	2.404
σ		0.000	0.694	0.814	1.822%	0.008	0.029	0.144	0.084
%RSD		0.000	8.219	9.601	2.172	1.689	5.700	5.588	3.505

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:56	77.290%	33.110	3.917	3.927	544.500	540.500	85.205%	85.405%
2	18:46:39	80.339%	32.610	3.328	3.321	544.700	538.600	88.561%	88.327%
3	18:47:22	81.883%	32.140	2.992	2.953	543.100	538.400	89.637%	89.720%
x		79.837%	32.620	3.412	3.400	544.100	539.200	87.801%	87.817%
σ		2.337%	0.484	0.468	0.492	0.843	1.163	2.312%	2.202%
%RSD		2.927	1.485	13.720	14.460	0.155	0.216	2.633	2.508

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:56	1.009	1.058	385.200	381.000	382.600	83.705%
2	18:46:39	1.026	1.051	387.800	382.600	385.100	85.995%
3	18:47:22	0.964	1.039	388.300	383.200	385.200	87.007%
x		1.000	1.049	387.100	382.200	384.300	85.569%
σ		0.032	0.010	1.701	1.119	1.453	1.692%
%RSD		3.175	0.936	0.440	0.293	0.378	1.977

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:50:16	110.242%	7.588	13.630	12.330	0.000	206.100	6361.000	6070.000
2	18:50:59	110.860%	7.400	12.700	11.750	0.000	208.100	6338.000	5999.000
3	18:51:42	112.585%	7.468	13.190	11.610	0.000	208.100	6360.000	5979.000
x		111.229%	7.485	13.180	11.900	0.000	207.400	6353.000	6016.000
σ		1.214%	0.095	0.463	0.384	0.000	1.190	13.130	47.800
%RSD		1.092	1.271	3.511	3.225	0.000	0.574	0.207	0.794

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:50:16	88070.000	2639.000	0.000	3132.000	8930.000	8629.000	101.348%	1284.000
2	18:50:59	87000.000	2601.000	0.000	3184.000	9366.000	8736.000	101.711%	1285.000
3	18:51:42	85690.000	2573.000	0.000	3190.000	9127.000	8719.000	101.436%	1276.000
x		86920.000	2604.000	0.000	3169.000	9141.000	8695.000	101.498%	1282.000
σ		1191.000	33.200	0.000	32.160	218.700	57.800	0.190%	4.646
%RSD		1.371	1.275	0.000	1.015	2.392	0.665	0.187	0.363

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:50:16	306.700	103.500	4753.000	160600.000	160900.000	128.000	94.710	149.800
2	18:50:59	309.500	103.400	4780.000	160500.000	161500.000	127.900	94.750	149.300
3	18:51:42	306.000	102.500	4761.000	159500.000	161300.000	127.800	94.000	148.800
x		307.400	103.100	4765.000	160200.000	161200.000	127.900	94.490	149.300
σ		1.861	0.546	14.230	629.700	276.700	0.099	0.421	0.538
%RSD		0.606	0.529	0.299	0.393	0.172	0.078	0.446	0.360

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:50:16	152.000	462.600	467.800	17.540	2.113	5.773	0.000	61.560
2	18:50:59	152.300	467.500	474.300	18.920	1.653	6.377	0.000	62.080
3	18:51:42	151.400	469.200	478.200	18.170	1.595	6.534	0.000	62.330
x		151.900	466.400	473.400	18.210	1.787	6.228	0.000	61.990
σ		0.453	3.444	5.255	0.691	0.284	0.402	0.000	0.392
%RSD		0.298	0.738	1.110	3.793	15.870	6.453	0.000	0.632

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:50:16	0.000	4.510	4.346	86.150%	0.452	0.436	2.087	1.762
2	18:50:59	0.000	4.331	4.274	87.512%	0.423	0.422	2.026	1.691
3	18:51:42	0.000	4.255	4.248	88.191%	0.418	0.441	1.808	1.525
x		0.000	4.365	4.289	87.284%	0.431	0.433	1.974	1.659
σ		0.000	0.131	0.051	1.039%	0.018	0.010	0.147	0.122
%RSD		0.000	2.998	1.182	1.191	4.233	2.334	7.431	7.356

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:50:16	81.323%	19.270	1.311	1.331	472.600	464.900	92.026%	92.682%
2	18:50:59	83.238%	19.330	1.285	1.256	469.600	467.600	93.975%	95.273%
3	18:51:42	83.933%	19.000	1.293	1.313	471.800	465.100	95.254%	96.020%
x		82.831%	19.200	1.296	1.300	471.300	465.900	93.751%	94.658%
σ		1.352%	0.178	0.014	0.039	1.539	1.488	1.625%	1.752%
%RSD		1.632	0.927	1.046	3.017	0.327	0.320	1.734	1.851

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:50:16	0.786	0.835	252.600	247.900	251.000	86.319%
2	18:50:59	0.801	0.818	252.900	249.100	251.500	88.363%
3	18:51:42	0.848	0.851	252.600	247.800	251.100	89.585%
x		0.811	0.835	252.700	248.300	251.200	88.089%
σ		0.033	0.017	0.171	0.699	0.282	1.650%
%RSD		4.005	2.027	0.068	0.281	0.112	1.873

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:37	109.682%	4.083	15.060	13.330	0.000	479.500	11550.000	11060.000
2	18:55:20	110.981%	3.973	15.580	13.060	0.000	479.800	11590.000	10920.000
3	18:56:03	111.158%	4.144	14.610	13.370	0.000	486.400	11600.000	10890.000
x		110.607%	4.067	15.080	13.250	0.000	481.900	11580.000	10960.000
σ		0.806%	0.087	0.487	0.167	0.000	3.882	26.700	87.550
%RSD		0.729	2.130	3.231	1.258	0.000	0.805	0.231	0.799

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:37	34810.000	2787.000	0.000	1528.000	44800.000	45890.000	95.869%	1299.000
2	18:55:20	34780.000	2743.000	0.000	1541.000	44560.000	46020.000	96.260%	1299.000
3	18:56:03	34190.000	2720.000	0.000	1550.000	45970.000	46680.000	95.371%	1313.000
x		34600.000	2750.000	0.000	1540.000	45110.000	46200.000	95.833%	1304.000
σ		352.600	33.790	0.000	11.170	753.200	421.000	0.445%	8.002
%RSD		1.019	1.229	0.000	0.725	1.670	0.911	0.465	0.614

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:37	272.800	84.100	1886.000	148500.000	148800.000	39.880	43.740	156.000
2	18:55:20	268.200	83.100	1884.000	147800.000	147800.000	40.180	43.260	157.000
3	18:56:03	271.700	83.160	1883.000	147500.000	148400.000	40.160	43.420	157.600
x		270.900	83.450	1884.000	147900.000	148300.000	40.070	43.470	156.900
σ		2.398	0.562	1.848	516.500	530.300	0.167	0.241	0.816
%RSD		0.885	0.673	0.098	0.349	0.358	0.417	0.554	0.520

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:37	158.800	196.700	196.900	18.870	4.636	6.318	0.000	169.200
2	18:55:20	159.900	196.600	199.100	18.570	5.001	6.543	0.000	170.700
3	18:56:03	160.800	198.400	201.800	18.980	4.509	6.349	0.000	171.500
x		159.800	197.200	199.200	18.800	4.715	6.403	0.000	170.500
σ		1.017	1.011	2.449	0.208	0.256	0.122	0.000	1.142
%RSD		0.637	0.512	1.229	1.105	5.420	1.911	0.000	0.670

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:37	0.000	5.301	5.346	84.755%	0.234	0.204	1.313	1.184
2	18:55:20	0.000	5.460	5.394	85.792%	0.244	0.207	1.372	1.186
3	18:56:03	0.000	5.383	5.240	85.752%	0.240	0.218	1.329	1.133
x		0.000	5.381	5.326	85.433%	0.239	0.210	1.338	1.168
σ		0.000	0.079	0.079	0.587%	0.005	0.007	0.030	0.030
%RSD		0.000	1.475	1.481	0.687	1.939	3.494	2.258	2.588

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:37	79.419%	28.240	1.453	1.477	318.100	313.500	83.956%	84.332%
2	18:55:20	80.739%	28.580	1.438	1.489	315.300	314.700	85.803%	85.886%
3	18:56:03	80.826%	28.560	1.454	1.489	318.100	314.000	86.068%	86.538%
x		80.328%	28.460	1.448	1.485	317.200	314.100	85.275%	85.585%
σ		0.788%	0.193	0.009	0.007	1.622	0.607	1.151%	1.133%
%RSD		0.981	0.679	0.618	0.467	0.511	0.193	1.349	1.324

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:37	0.503	0.473	199.800	194.900	197.200	84.009%
2	18:55:20	0.472	0.473	199.200	195.700	197.300	85.817%
3	18:56:03	0.456	0.463	197.600	193.900	195.900	86.983%
x		0.477	0.470	198.900	194.800	196.800	85.603%
σ		0.024	0.006	1.103	0.915	0.790	1.498%
%RSD		4.959	1.186	0.555	0.470	0.402	1.750

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:57	113.445%	10.370	24.560	22.390	0.000	774.000	16150.000	15340.000
2	18:59:40	113.231%	10.520	25.500	22.510	0.000	754.500	15560.000	14570.000
3	19:00:23	114.620%	10.250	26.170	22.990	0.000	783.500	16130.000	15230.000
x		113.766%	10.380	25.410	22.630	0.000	770.700	15950.000	15050.000
σ		0.748%	0.132	0.808	0.313	0.000	14.820	338.300	413.200
%RSD		0.657	1.276	3.179	1.384	0.000	1.922	2.122	2.746

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:57	112900.000	3353.000	0.000	4320.000	43430.000	44120.000	94.610%	1841.000
2	18:59:40	105600.000	3140.000	0.000	4046.000	39840.000	40460.000	103.830%	1718.000
3	19:00:23	110900.000	3265.000	0.000	4343.000	43130.000	43840.000	96.249%	1840.000
x		109800.000	3253.000	0.000	4236.000	42130.000	42810.000	98.230%	1800.000
σ		3758.000	106.900	0.000	165.300	1993.000	2034.000	4.918%	71.260
%RSD		3.422	3.287	0.000	3.903	4.730	4.751	5.007	3.959

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:57	360.700	159.200	8079.000	200800.000	201500.000	126.900	129.500	257.300
2	18:59:40	336.500	146.700	7563.000	187300.000	188500.000	119.000	121.100	242.400
3	19:00:23	358.400	156.400	8075.000	199600.000	200000.000	125.300	129.100	255.700
x		351.900	154.100	7906.000	195900.000	196600.000	123.700	126.600	251.800
σ		13.390	6.537	296.400	7447.000	7098.000	4.145	4.734	8.179
%RSD		3.804	4.242	3.750	3.801	3.610	3.350	3.740	3.248

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:57	259.700	1721.000	1738.000	36.090	4.180	9.066	0.000	185.400
2	18:59:40	248.100	1636.000	1660.000	33.980	3.746	9.131	0.000	183.600
3	19:00:23	260.200	1720.000	1743.000	37.290	4.055	9.929	0.000	186.200
x		256.000	1692.000	1714.000	35.790	3.994	9.375	0.000	185.100
σ		6.850	48.600	46.300	1.677	0.224	0.480	0.000	1.372
%RSD		2.676	2.872	2.702	4.686	5.604	5.123	0.000	0.741

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:57	0.000	7.015	6.906	86.645%	1.146	1.088	10.200	9.728
2	18:59:40	0.000	6.862	6.986	87.819%	1.082	1.140	9.938	9.474
3	19:00:23	0.000	6.939	7.105	88.322%	1.127	1.117	10.070	9.598
x		0.000	6.939	6.999	87.595%	1.118	1.115	10.070	9.600
σ		0.000	0.076	0.100	0.861%	0.033	0.026	0.132	0.127
%RSD		0.000	1.101	1.429	0.983	2.916	2.330	1.308	1.323

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:57	81.464%	52.830	12.080	11.890	1190.000	1172.000	94.847%	95.205%
2	18:59:40	83.324%	52.660	12.190	12.000	1192.000	1172.000	96.310%	97.387%
3	19:00:23	84.036%	52.000	11.900	11.840	1183.000	1171.000	98.106%	98.047%
x		82.941%	52.500	12.050	11.910	1188.000	1172.000	96.421%	96.880%
σ		1.328%	0.436	0.146	0.084	4.880	0.838	1.632%	1.487%
%RSD		1.601	0.830	1.211	0.704	0.411	0.072	1.693	1.535

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:57	1.147	1.199	4829.000	4756.000	4811.000	84.185%
2	18:59:40	1.142	1.187	4819.000	4741.000	4799.000	86.826%
3	19:00:23	1.114	1.196	4814.000	4732.000	4797.000	87.645%
x		1.134	1.194	4821.000	4743.000	4802.000	86.219%
σ		0.018	0.006	7.552	11.970	7.403	1.808%
%RSD		1.573	0.526	0.157	0.252	0.154	2.097

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:17	118.449%	9.093	26.110	22.730	0.000	687.100	21670.000	20510.000
2	19:04:00	119.030%	8.803	25.210	22.620	0.000	673.500	21640.000	20320.000
3	19:04:43	118.698%	9.022	25.740	23.550	0.000	691.900	21820.000	20470.000
x		118.726%	8.973	25.690	22.970	0.000	684.200	21710.000	20430.000
σ		0.291%	0.151	0.456	0.510	0.000	9.533	100.400	96.230
%RSD		0.245	1.685	1.775	2.222	0.000	1.393	0.463	0.471

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:17	97690.000	3380.000	0.000	3779.000	61910.000	62750.000	102.824%	1740.000
2	19:04:00	96420.000	3368.000	0.000	3805.000	62410.000	63180.000	103.215%	1738.000
3	19:04:43	95810.000	3318.000	0.000	3822.000	63390.000	63390.000	102.454%	1748.000
x		96640.000	3355.000	0.000	3802.000	62570.000	63100.000	102.831%	1742.000
σ		960.200	33.050	0.000	21.680	751.000	326.500	0.381%	5.416
%RSD		0.994	0.985	0.000	0.570	1.200	0.517	0.370	0.311

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:17	304.600	140.600	5252.000	160700.000	162600.000	86.500	94.720	218.500
2	19:04:00	306.600	139.900	5260.000	162000.000	162500.000	86.580	94.130	219.800
3	19:04:43	305.100	139.800	5272.000	162400.000	162800.000	86.110	93.240	217.900
x		305.400	140.100	5261.000	161700.000	162600.000	86.400	94.030	218.700
σ		1.029	0.432	9.953	869.600	143.700	0.254	0.744	0.995
%RSD		0.337	0.309	0.189	0.538	0.088	0.294	0.791	0.455

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:17	224.200	1427.000	1437.000	35.650	4.153	8.719	0.000	218.700
2	19:04:00	222.700	1435.000	1455.000	35.450	3.681	8.998	0.000	219.500
3	19:04:43	222.100	1437.000	1456.000	35.680	3.950	9.083	0.000	219.600
x		223.000	1433.000	1449.000	35.590	3.928	8.933	0.000	219.300
σ		1.079	5.182	10.670	0.126	0.237	0.190	0.000	0.482
%RSD		0.484	0.362	0.736	0.355	6.035	2.131	0.000	0.220

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:17	0.000	5.788	5.801	85.864%	0.985	0.978	6.186	5.809
2	19:04:00	0.000	5.883	5.760	86.519%	0.942	1.017	6.036	5.508
3	19:04:43	0.000	5.872	5.743	86.735%	1.007	1.009	5.998	5.786
x		0.000	5.848	5.768	86.372%	0.978	1.001	6.073	5.701
σ		0.000	0.052	0.030	0.453%	0.033	0.021	0.100	0.168
%RSD		0.000	0.884	0.514	0.525	3.382	2.070	1.639	2.939

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:17	81.324%	53.510	14.230	14.110	2541.000	2500.000	92.307%	92.319%
2	19:04:00	81.777%	54.080	14.400	14.200	2551.000	2512.000	93.072%	93.534%
3	19:04:43	81.890%	54.080	14.450	14.110	2553.000	2520.000	93.683%	94.235%
x		81.663%	53.890	14.360	14.140	2548.000	2511.000	93.021%	93.362%
σ		0.299%	0.328	0.114	0.053	6.183	9.978	0.689%	0.969%
%RSD		0.367	0.608	0.796	0.373	0.243	0.397	0.741	1.038

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:03:17	0.943	0.951	4016.000	3963.000	4004.000	85.211%
2	19:04:00	0.947	0.938	4017.000	3962.000	3999.000	86.813%
3	19:04:43	0.968	0.967	4016.000	3954.000	4002.000	87.116%
x		0.953	0.952	4016.000	3959.000	4002.000	86.380%
σ		0.013	0.014	0.686	5.011	2.299	1.023%
%RSD		1.416	1.513	0.017	0.127	0.057	1.185

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:30	112.920%	-0.032	1.431	1.302	0.000	-16.460	1.894	2.098
2	19:11:13	112.843%	-0.013	1.113	1.212	0.000	-15.670	3.689	3.820
3	19:11:55	112.504%	-0.013	1.166	1.265	0.000	-15.740	5.027	5.026
x		112.756%	-0.019	1.237	1.259	0.000	-15.960	3.537	3.648
σ		0.221%	0.011	0.170	0.045	0.000	0.436	1.572	1.471
%RSD		0.196	54.490	13.750	3.564	0.000	2.734	44.440	40.330

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:30	-1.727	3.274	0.000	3.726	7.348	8.408	111.714%	0.157
2	19:11:13	2.739	3.728	0.000	4.367	13.020	11.360	111.852%	0.132
3	19:11:55	7.794	3.892	0.000	5.669	16.720	13.240	111.179%	0.260
x		2.935	3.632	0.000	4.588	12.360	11.000	111.581%	0.183
σ		4.763	0.320	0.000	0.990	4.722	2.434	0.356%	0.068
%RSD		162.300	8.809	0.000	21.580	38.190	22.130	0.319	36.960

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:30	0.051	0.506	-0.007	54.060	50.670	-0.005	0.020	-0.052
2	19:11:13	0.154	0.461	0.288	45.310	39.230	-0.002	0.022	-0.095
3	19:11:55	0.048	0.413	0.536	43.350	39.530	0.006	0.017	-0.091
x		0.084	0.460	0.273	47.570	43.150	-0.000	0.020	-0.079
σ		0.060	0.046	0.272	5.705	6.520	0.006	0.002	0.024
%RSD		71.150	10.110	99.800	11.990	15.110	18580.000	11.820	30.520

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:30	-0.089	0.056	-0.106	-0.242	-0.161	-0.251	0.000	0.019
2	19:11:13	-0.077	-0.064	0.009	0.080	-0.753	-0.018	0.000	0.047
3	19:11:55	-0.093	0.003	0.081	0.165	-0.991	0.660	0.000	0.062
x		-0.086	-0.002	-0.005	0.001	-0.635	0.131	0.000	0.043
σ		0.008	0.061	0.094	0.214	0.428	0.473	0.000	0.022
%RSD		9.681	3754.000	1856.000	22020.000	67.330	362.800	0.000	50.470

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:30	103.583%	0.134	0.123	101.234%	-0.009	-0.013	-0.043	-0.030
2	19:11:13	103.709%	0.112	0.133	102.106%	-0.010	-0.014	-0.116	-0.083
3	19:11:55	104.147%	0.118	0.124	102.181%	-0.011	-0.008	-0.024	-0.020
x		103.813%	0.121	0.126	101.840%	-0.010	-0.012	-0.061	-0.044
σ		0.296%	0.011	0.005	0.527%	0.001	0.003	0.049	0.034
%RSD		0.285	9.242	4.233	0.517	9.671	26.370	79.430	76.650

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:30	94.700%	-0.559	-0.042	-0.041	0.057	0.116	89.234%	88.311%
2	19:11:13	95.141%	-0.548	-0.041	-0.045	0.222	0.181	90.237%	89.660%
3	19:11:55	95.041%	-0.526	-0.033	-0.033	0.268	0.270	89.876%	89.499%
x		94.961%	-0.544	-0.039	-0.040	0.182	0.189	89.782%	89.157%
σ		0.231%	0.017	0.005	0.006	0.111	0.077	0.508%	0.736%
%RSD		0.243	3.051	13.620	15.550	60.710	41.010	0.566	0.826

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:10:30	0.001	0.003	0.166	0.137	0.151	98.067%
2	19:11:13	0.003	0.007	0.342	0.331	0.326	99.539%
3	19:11:55	0.004	0.007	0.461	0.440	0.437	100.025%
x		0.003	0.005	0.323	0.302	0.304	99.210%
σ		0.001	0.002	0.148	0.154	0.144	1.019%
%RSD		49.200	34.640	45.960	50.830	47.410	1.028

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:47	77.907%	48.070	879.700	827.500	0.000	43460.000	46350.000	44560.000
2	19:15:30	76.436%	48.340	907.300	850.100	0.000	44880.000	47920.000	45770.000
3	19:16:13	77.035%	48.690	906.900	843.200	0.000	44700.000	47320.000	44960.000
x		77.126%	48.360	897.900	840.300	0.000	44350.000	47200.000	45100.000
σ		0.740%	0.312	15.780	11.570	0.000	774.900	792.300	614.700
%RSD		0.959	0.645	1.758	1.377	0.000	1.747	1.679	1.363

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:47	1700.000	1478.000	0.000	46360.000	49030.000	49400.000	68.129%	941.100
2	19:15:30	1721.000	1446.000	0.000	47290.000	49680.000	50030.000	67.412%	938.700
3	19:16:13	1707.000	1449.000	0.000	47300.000	49690.000	50070.000	68.047%	938.300
x		1709.000	1457.000	0.000	46980.000	49470.000	49830.000	67.863%	939.300
σ		11.000	17.580	0.000	543.100	377.900	377.800	0.392%	1.526
%RSD		0.644	1.207	0.000	1.156	0.764	0.758	0.578	0.162

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:47	461.200	181.700	437.100	973.800	1138.000	438.600	439.600	227.200
2	19:15:30	455.200	182.400	444.000	965.700	1130.000	445.000	442.000	228.700
3	19:16:13	452.500	182.800	440.100	955.300	1128.000	442.300	440.000	229.800
x		456.300	182.300	440.400	964.900	1132.000	441.900	440.500	228.600
σ		4.432	0.580	3.466	9.280	5.190	3.216	1.296	1.290
%RSD		0.971	0.318	0.787	0.962	0.459	0.728	0.294	0.565

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:47	231.300	467.100	468.600	35.250	11.100	10.450	0.000	911.000
2	19:15:30	232.600	477.200	478.800	35.560	10.480	10.480	0.000	912.800
3	19:16:13	232.500	475.000	479.100	36.220	10.560	11.010	0.000	912.600
x		232.100	473.100	475.500	35.670	10.710	10.650	0.000	912.100
σ		0.735	5.301	5.965	0.495	0.337	0.318	0.000	0.960
%RSD		0.317	1.120	1.255	1.387	3.143	2.985	0.000	0.105

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:47	69.479%	903.200	906.600	69.903%	47.350	48.360	45.510	40.640
2	19:15:30	70.797%	928.300	928.000	71.051%	47.590	47.860	44.900	40.770
3	19:16:13	71.759%	938.500	941.500	71.812%	47.250	47.760	44.700	40.210
x		70.678%	923.300	925.400	70.922%	47.400	47.990	45.040	40.540
σ		1.145%	18.140	17.610	0.961%	0.178	0.318	0.418	0.293
%RSD		1.620	1.965	1.903	1.355	0.375	0.663	0.927	0.723

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:47	65.749%	1841.000	435.100	431.000	1716.000	1697.000	72.829%	73.321%
2	19:15:30	67.240%	1851.000	437.600	435.400	1715.000	1699.000	74.802%	75.353%
3	19:16:13	68.669%	1835.000	435.400	434.200	1713.000	1690.000	76.332%	76.654%
x		67.220%	1842.000	436.100	433.500	1714.000	1695.000	74.654%	75.109%
σ		1.460%	8.033	1.374	2.270	1.603	4.967	1.756%	1.680%
%RSD		2.172	0.436	0.315	0.524	0.093	0.293	2.352	2.236

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:14:47	45.630	46.210	18.360	19.760	19.080	73.444%
2	19:15:30	45.750	46.280	18.280	19.690	19.100	75.539%
3	19:16:13	45.790	46.450	18.190	19.760	19.010	76.952%
x		45.720	46.310	18.280	19.740	19.060	75.312%
σ		0.084	0.124	0.088	0.039	0.050	1.765%
%RSD		0.185	0.269	0.480	0.195	0.264	2.344

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:58	96.601%	15.180	57.170	52.640	0.000	1955.000	32200.000	30640.000
2	19:22:41	99.139%	14.930	55.530	51.910	0.000	1953.000	32180.000	30430.000
3	19:23:24	100.291%	14.700	53.350	51.240	0.000	1953.000	32240.000	30340.000
x		98.677%	14.940	55.350	51.930	0.000	1953.000	32210.000	30470.000
σ		1.888%	0.238	1.915	0.702	0.000	1.192	31.530	155.200
%RSD		1.913	1.595	3.460	1.352	0.000	0.061	0.098	0.509

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:58	101500.000	2406.000	0.000	10610.000	61940.000	62770.000	89.286%	729.900
2	19:22:41	101800.000	2458.000	0.000	10700.000	62430.000	63450.000	90.523%	727.800
3	19:23:24	102100.000	2472.000	0.000	10790.000	63320.000	63780.000	90.512%	728.000
x		101800.000	2445.000	0.000	10700.000	62560.000	63330.000	90.107%	728.600
σ		303.000	34.650	0.000	89.240	701.000	518.700	0.711%	1.180
%RSD		0.298	1.417	0.000	0.834	1.121	0.819	0.789	0.162

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:58	198.400	534.200	13590.000	406100.000	409800.000	247.600	549.100	465.900
2	19:22:41	195.500	527.500	13610.000	404300.000	407400.000	248.700	549.900	464.500
3	19:23:24	196.000	535.000	13720.000	408900.000	412800.000	251.400	552.800	467.300
x		196.600	532.200	13640.000	406500.000	410000.000	249.200	550.600	465.900
σ		1.582	4.137	70.930	2312.000	2722.000	1.978	1.911	1.391
%RSD		0.805	0.777	0.520	0.569	0.664	0.794	0.347	0.299

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:58	472.400	4395.000	4476.000	132.100	10.870	15.430	0.000	474.500
2	19:22:41	475.600	4659.000	4727.000	131.000	10.360	14.920	0.000	476.500
3	19:23:24	476.500	4687.000	4755.000	132.500	10.590	15.120	0.000	478.600
x		474.800	4580.000	4652.000	131.900	10.610	15.160	0.000	476.500
σ		2.203	161.300	153.700	0.788	0.252	0.253	0.000	2.044
%RSD		0.464	3.522	3.304	0.598	2.379	1.667	0.000	0.429

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:58	0.000	51.280	51.390	75.348%	6.047	6.103	19.180	18.340
2	19:22:41	0.000	48.420	48.600	76.823%	6.001	6.060	18.900	18.240
3	19:23:24	0.000	46.810	46.760	77.071%	5.964	6.001	19.220	18.430
x		0.000	48.840	48.920	76.414%	6.004	6.055	19.100	18.330
σ		0.000	2.265	2.331	0.932%	0.042	0.051	0.173	0.097
%RSD		0.000	4.639	4.765	1.219	0.694	0.841	0.908	0.527

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:58	71.526%	304.200	5.166	5.117	1485.000	1470.000	85.569%	84.379%
2	19:22:41	73.053%	301.700	5.001	4.987	1488.000	1472.000	87.284%	86.351%
3	19:23:24	73.425%	301.100	4.783	4.891	1492.000	1477.000	87.591%	87.011%
x		72.668%	302.400	4.983	4.998	1488.000	1473.000	86.815%	85.914%
σ		1.007%	1.623	0.192	0.114	3.033	3.640	1.089%	1.369%
%RSD		1.385	0.537	3.854	2.272	0.204	0.247	1.255	1.594

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:58	3.036	3.073	966.000	938.800	984.000	77.878%
2	19:22:41	3.158	3.113	972.500	944.000	989.700	78.790%
3	19:23:24	3.135	3.091	972.800	947.600	990.900	79.003%
x		3.110	3.093	970.400	943.500	988.200	78.557%
σ		0.064	0.020	3.887	4.410	3.713	0.597%
%RSD		2.070	0.651	0.401	0.468	0.376	0.760

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:16	102.971%	11.330	44.460	41.030	0.000	1449.000	25150.000	24170.000
2	19:26:59	102.724%	11.460	45.010	40.970	0.000	1460.000	25200.000	23960.000
3	19:27:42	102.308%	11.390	44.090	40.970	0.000	1465.000	25470.000	24230.000
x		102.668%	11.400	44.520	40.990	0.000	1458.000	25270.000	24120.000
σ		0.335%	0.065	0.461	0.034	0.000	8.102	171.400	143.300
%RSD		0.327	0.570	1.035	0.084	0.000	0.556	0.678	0.594
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:16	81870.000	2728.000	0.000	8989.000	48110.000	48810.000	89.990%	772.000
2	19:26:59	80470.000	2636.000	0.000	9038.000	48170.000	49090.000	90.840%	770.300
3	19:27:42	80910.000	2654.000	0.000	9111.000	48190.000	49180.000	90.770%	764.800
x		81080.000	2673.000	0.000	9046.000	48160.000	49030.000	90.533%	769.000
σ		715.200	48.820	0.000	61.610	43.830	191.300	0.472%	3.744
%RSD		0.882	1.827	0.000	0.681	0.091	0.390	0.521	0.487
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:16	185.200	266.100	11440.000	376600.000	378900.000	172.500	353.000	360.900
2	19:26:59	181.900	261.800	11270.000	374000.000	374500.000	170.600	350.200	358.700
3	19:27:42	182.100	258.800	11200.000	368700.000	371500.000	168.500	346.600	356.300
x		183.100	262.200	11300.000	373100.000	374900.000	170.500	349.900	358.600
σ		1.846	3.649	122.100	4008.000	3705.000	2.006	3.175	2.299
%RSD		1.008	1.391	1.081	1.074	0.988	1.176	0.907	0.641
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:16	366.100	2136.000	2171.000	112.700	7.258	10.740	0.000	392.800
2	19:26:59	365.400	2153.000	2182.000	111.700	7.446	10.970	0.000	396.300
3	19:27:42	362.600	2155.000	2194.000	112.600	7.488	11.550	0.000	396.700
x		364.700	2148.000	2182.000	112.300	7.397	11.090	0.000	395.300
σ		1.812	10.560	11.240	0.580	0.122	0.414	0.000	2.179
%RSD		0.497	0.492	0.515	0.517	1.655	3.737	0.000	0.551
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:16	0.000	28.280	28.230	76.856%	1.813	1.817	8.899	8.440
2	19:26:59	0.000	27.840	27.930	77.727%	1.918	1.801	8.990	8.296
3	19:27:42	0.000	27.680	27.750	78.192%	1.875	1.788	8.556	8.288
x		0.000	27.930	27.970	77.592%	1.869	1.802	8.815	8.342
σ		0.000	0.308	0.241	0.678%	0.053	0.015	0.229	0.086
%RSD		0.000	1.103	0.863	0.874	2.812	0.812	2.593	1.025
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:26:16	72.163%	126.200	4.180	4.051	1205.000	1193.000	82.424%	81.955%
2	19:26:59	73.559%	125.700	4.001	4.071	1202.000	1193.000	84.460%	83.910%
3	19:27:42	74.206%	125.300	4.104	4.091	1205.000	1196.000	85.292%	84.525%
x		73.310%	125.700	4.095	4.071	1204.000	1194.000	84.059%	83.463%
σ		1.044%	0.437	0.090	0.020	1.934	1.782	1.476%	1.342%
%RSD		1.424	0.348	2.193	0.490	0.161	0.149	1.755	1.608
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:26:16	2.324	2.340	550.800	537.200	540.600	76.933%		
2	19:26:59	2.299	2.378	550.200	537.500	541.800	78.642%		
3	19:27:42	2.352	2.360	551.400	538.600	564.200	79.174%		
x		2.325	2.359	550.800	537.700	548.900	78.249%		
σ		0.027	0.019	0.591	0.735	13.290	1.171%		
%RSD		1.156	0.805	0.107	0.137	2.421	1.497		

L9EKH 11/8/2010 7:29:51 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:30:34	104.967%	13.950	35.670	33.260	0.000	1406.000	17640.000	16920.000
2	19:31:17	104.706%	13.680	36.330	33.310	0.000	1424.000	17830.000	16970.000
3	19:32:01	103.613%	14.030	38.520	33.540	0.000	1433.000	18060.000	17050.000
x		104.429%	13.880	36.840	33.370	0.000	1421.000	17840.000	16980.000
σ		0.718%	0.182	1.494	0.149	0.000	13.780	209.700	65.460
%RSD		0.688	1.310	4.055	0.446	0.000	0.970	1.175	0.386

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:30:34	81990.000	3406.000	0.000	7142.000	20470.000	19870.000	92.337%	776.200
2	19:31:17	81080.000	3367.000	0.000	7209.000	20600.000	20040.000	92.903%	783.600
3	19:32:01	81200.000	3331.000	0.000	7235.000	20840.000	20090.000	93.108%	780.800
x		81420.000	3368.000	0.000	7195.000	20640.000	20000.000	92.783%	780.200
σ		496.600	37.490	0.000	47.890	188.800	119.400	0.399%	3.726
%RSD		0.610	1.113	0.000	0.665	0.915	0.597	0.430	0.478

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:30:34	196.600	190.800	9610.000	399500.000	402000.000	208.300	329.700	445.000
2	19:31:17	194.900	191.300	9692.000	402000.000	405000.000	210.400	328.700	447.500
3	19:32:01	196.700	191.600	9640.000	401900.000	406500.000	209.400	329.100	448.000
x		196.100	191.300	9647.000	401100.000	404500.000	209.400	329.100	446.800
σ		1.018	0.393	41.560	1433.000	2274.000	1.075	0.503	1.621
%RSD		0.519	0.205	0.431	0.357	0.562	0.513	0.153	0.363

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:30:34	453.200	2155.000	2182.000	139.200	6.077	10.560	0.000	318.700
2	19:31:17	455.900	2167.000	2202.000	139.600	5.685	10.920	0.000	320.200
3	19:32:01	455.300	2167.000	2200.000	140.000	6.237	11.270	0.000	320.600
x		454.800	2163.000	2195.000	139.600	6.000	10.920	0.000	319.800
σ		1.413	6.913	10.880	0.375	0.284	0.356	0.000	0.995
%RSD		0.311	0.320	0.496	0.268	4.737	3.260	0.000	0.311

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:30:34	0.000	21.710	21.880	78.380%	1.489	1.419	7.900	7.392
2	19:31:17	0.000	21.620	21.780	79.080%	1.512	1.398	7.664	7.059
3	19:32:01	0.000	21.370	21.740	79.071%	1.488	1.441	7.992	7.559
x		0.000	21.570	21.800	78.844%	1.496	1.419	7.852	7.337
σ		0.000	0.174	0.074	0.402%	0.014	0.022	0.169	0.255
%RSD		0.000	0.804	0.340	0.509	0.906	1.515	2.155	3.469

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:30:34	73.269%	101.900	5.925	5.665	1202.000	1185.000	84.355%	83.960%
2	19:31:17	74.320%	103.000	5.798	5.762	1199.000	1190.000	85.546%	85.128%
3	19:32:01	74.485%	102.300	5.789	5.769	1204.000	1186.000	86.336%	85.561%
x		74.025%	102.400	5.838	5.732	1202.000	1187.000	85.412%	84.883%
σ		0.660%	0.572	0.076	0.058	2.306	2.299	0.997%	0.828%
%RSD		0.891	0.559	1.305	1.015	0.192	0.194	1.168	0.975

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:30:34	1.977	2.016	567.300	550.700	577.500	77.613%
2	19:31:17	1.989	2.040	568.200	551.900	578.700	78.764%
3	19:32:01	1.989	2.033	568.000	551.300	579.100	79.006%
x		1.985	2.029	567.800	551.300	578.400	78.461%
σ		0.007	0.012	0.477	0.578	0.820	0.745%
%RSD		0.353	0.611	0.084	0.105	0.142	0.949

CCV1-5 11/8/2010 7:37:03 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:46	81.695%	101.300	99.700	96.860	0.000	45430.000	47800.000	47980.000
2	19:38:29	80.350%	101.500	99.460	96.410	0.000	45990.000	48340.000	48640.000
3	19:39:12	79.170%	102.100	99.750	97.550	0.000	46200.000	48690.000	48720.000
x		80.405%	101.638%	99.637%	96.938%	0.000	91.742%	96.549%	96.894%
σ		1.263%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.571	0.365	0.152	0.592	0.000	0.870	0.929	0.837

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:46	492.100	5007.000	0.000	48400.000	48310.000	49840.000	77.526%	102.100
2	19:38:29	493.300	5021.000	0.000	48750.000	49300.000	50160.000	77.044%	99.670
3	19:39:12	494.500	4970.000	0.000	48940.000	49240.000	50460.000	76.545%	101.600
x		98.663%	99.988%	0.000	97.397%	97.902%	100.304%	77.038%	101.127%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.490%	n/a
%RSD		0.240	0.530	0.000	0.570	1.130	0.615	0.636	1.262

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:46	98.180	97.740	484.000	24930.000	24360.000	97.790	99.280	99.610
2	19:38:29	98.350	98.630	483.600	25050.000	24380.000	97.930	97.810	98.790
3	19:39:12	99.070	98.420	486.300	25040.000	24430.000	97.300	97.720	99.490
x		98.531%	98.263%	96.923%	100.029%	97.571%	97.674%	98.270%	99.298%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.479	0.474	0.305	0.255	0.154	0.341	0.890	0.447

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:46	99.610	101.500	102.100	101.300	101.800	102.300	0.000	98.740
2	19:38:29	98.970	101.900	101.300	102.600	101.100	104.400	0.000	98.410
3	19:39:12	98.770	102.100	101.700	100.900	101.800	102.400	0.000	99.330
x		99.115%	101.815%	101.709%	101.599%	101.569%	103.028%	0.000	98.825%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.446	0.317	0.357	0.860	0.387	1.122	0.000	0.474

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:46	73.131%	78.260	78.090	74.785%	101.700	102.600	97.290	98.990
2	19:38:29	73.481%	88.140	86.910	74.655%	101.900	102.700	98.860	99.600
3	19:39:12	73.275%	94.040	93.130	74.730%	101.300	102.500	99.390	99.830
x		73.295%	86.812%	86.043%	74.723%	101.616%	102.612%	98.516%	99.473%
σ		0.176%	n/a	n/a	0.065%	n/a	n/a	n/a	n/a
%RSD		0.240	9.182	8.786	0.087	0.275	0.112	1.110	0.437

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:46	69.779%	96.530	94.670	94.800	98.840	97.880	69.517%	69.665%
2	19:38:29	70.092%	97.400	96.720	97.030	98.410	98.050	70.352%	70.427%
3	19:39:12	69.879%	98.030	99.240	98.330	98.410	97.790	70.816%	70.922%
x		69.917%	97.321%	96.878%	96.720%	98.554%	97.907%	70.229%	70.338%
σ		0.160%	n/a	n/a	n/a	n/a	n/a	0.658%	0.633%
%RSD		0.229	0.772	2.367	1.848	0.253	0.134	0.937	0.900

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:46	101.200	102.100	102.500	102.500	102.800	71.502%
2	19:38:29	101.500	102.100	102.800	102.000	102.500	72.615%
3	19:39:12	101.800	102.100	102.200	102.500	102.500	73.418%
x		101.514%	102.125%	102.484%	102.324%	102.614%	72.512%
σ		n/a	n/a	n/a	n/a	n/a	0.962%
%RSD		0.269	0.033	0.305	0.261	0.189	1.326

CCB5 11/8/2010 7:44:17 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:00	93.241%	-0.005	2.036	1.678	0.000	-15.850	2.531	2.059
2	19:45:43	94.970%	-0.023	2.049	1.733	0.000	-11.930	7.431	7.621
3	19:46:26	94.977%	0.012	1.650	1.609	0.000	-10.420	8.398	8.755
x		94.396%	-0.005	1.912	1.673	0.000	-12.730	6.120	6.145
σ		1.000%	0.017	0.227	0.062	0.000	2.802	3.146	3.584
%RSD		1.060	323.000	11.880	3.723	0.000	22.010	51.400	58.320

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:00	-3.491	0.160	0.000	7.496	4.805	-2.339	91.997%	-0.078
2	19:45:43	-1.890	0.177	0.000	10.880	7.149	2.552	93.395%	-0.065
3	19:46:26	-1.417	1.382	0.000	11.860	5.331	4.734	94.188%	-0.118
x		-2.266	0.573	0.000	10.080	5.762	1.649	93.193%	-0.087
σ		1.087	0.701	0.000	2.289	1.230	3.622	1.109%	0.028
%RSD		47.970	122.200	0.000	22.710	21.350	219.600	1.190	31.750

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:00	0.024	-0.011	0.095	15.470	15.050	0.002	-0.016	-0.276
2	19:45:43	-0.007	0.005	0.243	18.860	19.210	0.009	-0.025	-0.264
3	19:46:26	0.089	0.011	0.299	18.720	19.280	0.009	-0.009	-0.258
x		0.035	0.002	0.212	17.680	17.850	0.007	-0.017	-0.266
σ		0.049	0.011	0.105	1.916	2.422	0.004	0.008	0.009
%RSD		139.300	637.600	49.720	10.840	13.570	60.450	48.060	3.378

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:00	-0.256	-0.817	-0.853	-0.173	1.022	-0.811	0.000	-0.012
2	19:45:43	-0.276	-0.792	-0.814	-0.196	0.676	-0.713	0.000	0.003
3	19:46:26	-0.194	-0.791	-0.858	-0.109	0.389	-0.402	0.000	0.015
x		-0.242	-0.800	-0.842	-0.159	0.696	-0.642	0.000	0.002
σ		0.042	0.015	0.024	0.045	0.317	0.213	0.000	0.014
%RSD		17.520	1.818	2.861	28.380	45.610	33.230	0.000	729.300

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:00	86.565%	1.804	1.735	91.563%	0.001	0.000	-0.052	-0.037
2	19:45:43	87.997%	1.594	1.665	92.679%	0.006	0.008	-0.063	-0.046
3	19:46:26	89.244%	1.304	1.384	93.382%	0.006	0.007	-0.032	-0.023
x		87.935%	1.567	1.595	92.541%	0.004	0.005	-0.049	-0.035
σ		1.341%	0.251	0.186	0.917%	0.003	0.004	0.016	0.012
%RSD		1.525	16.020	11.660	0.991	76.050	82.880	32.670	33.410

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:00	83.144%	-0.475	0.343	0.365	-0.004	0.004	85.914%	85.282%
2	19:45:43	84.433%	-0.483	0.354	0.318	0.016	0.045	88.149%	87.798%
3	19:46:26	85.741%	-0.512	0.303	0.287	0.063	0.040	89.032%	88.491%
x		84.439%	-0.490	0.333	0.323	0.025	0.030	87.698%	87.190%
σ		1.298%	0.020	0.027	0.039	0.035	0.022	1.607%	1.688%
%RSD		1.538	4.018	7.960	12.140	139.600	74.390	1.833	1.936

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:00	0.017	0.013	0.093	0.092	0.090	83.723%
2	19:45:43	0.028	0.028	0.097	0.103	0.102	86.164%
3	19:46:26	0.023	0.025	0.112	0.090	0.105	87.607%
x		0.023	0.022	0.100	0.095	0.099	85.831%
σ		0.005	0.008	0.010	0.007	0.008	1.963%
%RSD		24.120	35.370	9.849	7.247	7.646	2.288

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:49:21	94.764%	13.910	29.340	26.410	0.000	1971.000	20360.000	19480.000
2	19:50:04	97.799%	13.870	28.010	26.250	0.000	1990.000	20470.000	19520.000
3	19:50:47	98.570%	13.890	29.590	26.990	0.000	1986.000	20390.000	19490.000
x		97.044%	13.890	28.980	26.550	0.000	1982.000	20410.000	19490.000
σ		2.012%	0.021	0.848	0.387	0.000	10.120	54.720	23.170
%RSD		2.073	0.148	2.927	1.459	0.000	0.510	0.268	0.119

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:49:21	92960.000	2266.000	0.000	7995.000	17240.000	16570.000	87.674%	696.000
2	19:50:04	93410.000	2246.000	0.000	8075.000	17300.000	16790.000	89.870%	690.500
3	19:50:47	93450.000	2229.000	0.000	8070.000	17400.000	16720.000	91.075%	700.300
x		93270.000	2247.000	0.000	8046.000	17310.000	16700.000	89.540%	695.600
σ		273.000	18.560	0.000	44.930	83.520	112.700	1.724%	4.873
%RSD		0.293	0.826	0.000	0.558	0.483	0.675	1.926	0.701

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:49:21	206.300	159.300	8773.000	362800.000	362200.000	217.400	322.900	446.500
2	19:50:04	208.000	160.000	8807.000	363800.000	365700.000	218.600	322.600	448.600
3	19:50:47	206.900	159.600	8740.000	361300.000	362000.000	216.900	322.200	446.600
x		207.100	159.600	8773.000	362600.000	363300.000	217.600	322.500	447.200
σ		0.853	0.333	33.360	1221.000	2127.000	0.901	0.357	1.200
%RSD		0.412	0.209	0.380	0.337	0.586	0.414	0.111	0.268

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:49:21	451.800	2182.000	2216.000	129.700	6.584	11.430	0.000	244.000
2	19:50:04	454.700	2201.000	2241.000	129.800	7.270	10.660	0.000	245.700
3	19:50:47	452.900	2193.000	2225.000	129.400	6.279	10.250	0.000	244.900
x		453.200	2192.000	2227.000	129.600	6.711	10.780	0.000	244.800
σ		1.474	9.710	12.360	0.216	0.508	0.602	0.000	0.873
%RSD		0.325	0.443	0.555	0.166	7.565	5.587	0.000	0.357

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:49:21	0.000	15.440	16.050	74.407%	1.305	1.213	7.581	6.878
2	19:50:04	0.000	15.170	15.250	76.420%	1.263	1.243	7.748	7.147
3	19:50:47	0.000	14.820	14.920	77.387%	1.341	1.238	7.407	6.909
x		0.000	15.150	15.400	76.071%	1.303	1.232	7.579	6.978
σ		0.000	0.314	0.580	1.520%	0.039	0.016	0.170	0.147
%RSD		0.000	2.073	3.762	1.999	2.997	1.323	2.244	2.108

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:49:21	69.629%	67.040	5.241	5.285	1471.000	1457.000	82.389%	81.377%
2	19:50:04	71.604%	67.810	4.887	4.836	1474.000	1460.000	84.593%	83.769%
3	19:50:47	72.861%	66.580	4.761	4.563	1462.000	1448.000	85.724%	83.851%
x		71.365%	67.140	4.963	4.895	1469.000	1455.000	84.235%	82.999%
σ		1.629%	0.621	0.249	0.365	6.253	6.613	1.696%	1.406%
%RSD		2.283	0.925	5.007	7.452	0.426	0.455	2.013	1.693

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:49:21	1.936	1.908	495.200	481.700	485.800	77.195%
2	19:50:04	1.900	1.988	499.000	487.100	491.300	78.438%
3	19:50:47	1.988	1.940	497.800	485.600	490.200	79.061%
x		1.941	1.945	497.300	484.800	489.100	78.231%
σ		0.044	0.041	1.930	2.777	2.891	0.950%
%RSD		2.289	2.083	0.388	0.573	0.591	1.214

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:40	101.422%	15.830	28.540	26.740	0.000	2629.000	23450.000	22590.000
2	19:54:23	102.527%	15.200	30.950	27.110	0.000	2648.000	23550.000	22410.000
3	19:55:06	102.852%	15.490	29.480	26.010	0.000	2632.000	23410.000	22130.000
x		102.267%	15.510	29.660	26.620	0.000	2636.000	23470.000	22380.000
σ		0.749%	0.318	1.216	0.560	0.000	10.200	72.350	232.600
%RSD		0.733	2.051	4.100	2.102	0.000	0.387	0.308	1.039

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:40	109000.000	2930.000	0.000	8938.000	15990.000	15460.000	91.870%	801.100
2	19:54:23	107500.000	2864.000	0.000	8955.000	16110.000	15520.000	92.874%	797.900
3	19:55:06	105000.000	2848.000	0.000	8973.000	15950.000	15550.000	93.081%	796.100
x		107200.000	2881.000	0.000	8956.000	16020.000	15510.000	92.608%	798.400
σ		1994.000	43.570	0.000	17.460	80.420	48.800	0.648%	2.497
%RSD		1.860	1.512	0.000	0.195	0.502	0.315	0.699	0.313

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:40	229.300	181.000	8900.000	364700.000	366600.000	254.800	383.100	512.000
2	19:54:23	225.600	179.300	8826.000	361500.000	363000.000	251.300	379.200	506.700
3	19:55:06	225.000	177.500	8786.000	360500.000	362600.000	251.400	379.400	510.500
x		226.600	179.300	8837.000	362200.000	364100.000	252.500	380.600	509.700
σ		2.315	1.773	57.950	2183.000	2180.000	1.996	2.214	2.776
%RSD		1.021	0.989	0.656	0.603	0.599	0.791	0.582	0.545

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:40	520.100	2932.000	2973.000	135.500	6.999	11.490	0.000	217.900
2	19:54:23	516.500	2952.000	2991.000	136.100	6.578	11.600	0.000	220.500
3	19:55:06	516.800	2956.000	3015.000	136.300	6.303	11.640	0.000	221.300
x		517.800	2946.000	2993.000	136.000	6.627	11.580	0.000	219.900
σ		1.964	12.800	21.040	0.425	0.350	0.079	0.000	1.777
%RSD		0.379	0.435	0.703	0.312	5.287	0.686	0.000	0.808

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:40	0.000	14.730	14.790	76.566%	1.625	1.613	11.610	10.880
2	19:54:23	0.000	14.540	14.740	77.609%	1.642	1.524	10.970	10.630
3	19:55:06	0.000	14.660	14.440	78.164%	1.632	1.532	11.070	10.700
x		0.000	14.640	14.660	77.447%	1.633	1.556	11.220	10.740
σ		0.000	0.097	0.189	0.811%	0.009	0.049	0.346	0.128
%RSD		0.000	0.660	1.290	1.047	0.523	3.145	3.080	1.191

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:40	71.034%	85.800	4.368	4.293	1710.000	1685.000	83.443%	82.868%
2	19:54:23	72.758%	86.030	4.293	4.275	1708.000	1684.000	85.603%	84.809%
3	19:55:06	73.548%	85.570	4.298	4.245	1701.000	1677.000	87.095%	86.167%
x		72.447%	85.800	4.320	4.271	1706.000	1682.000	85.380%	84.614%
σ		1.285%	0.230	0.042	0.024	4.787	4.154	1.836%	1.658%
%RSD		1.774	0.268	0.966	0.564	0.281	0.247	2.151	1.960

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:40	2.560	2.539	562.600	549.700	554.700	76.068%
2	19:54:23	2.533	2.615	564.500	549.000	577.900	77.986%
3	19:55:06	2.582	2.567	564.700	549.900	579.800	78.956%
x		2.558	2.574	564.000	549.500	570.800	77.670%
σ		0.025	0.038	1.155	0.492	14.000	1.469%
%RSD		0.961	1.492	0.205	0.090	2.452	1.892

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:02:19	98.692%	15.100	39.590	37.870	0.000	2509.000	26270.000	25500.000
2	20:03:02	98.792%	14.760	40.040	36.630	0.000	2526.000	26410.000	25540.000
3	20:03:45	100.423%	14.450	39.960	36.480	0.000	2516.000	26460.000	25210.000
x		99.302%	14.770	39.860	36.990	0.000	2517.000	26380.000	25420.000
σ		0.972%	0.329	0.239	0.767	0.000	8.806	96.480	178.400
%RSD		0.979	2.230	0.599	2.073	0.000	0.350	0.366	0.702

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:02:19	105500.000	2606.000	0.000	9005.000	41720.000	42580.000	87.773%	638.900
2	20:03:02	105200.000	2566.000	0.000	9061.000	41900.000	42680.000	88.325%	639.000
3	20:03:45	104100.000	2547.000	0.000	9058.000	41840.000	42840.000	88.548%	633.200
x		104900.000	2573.000	0.000	9042.000	41820.000	42700.000	88.215%	637.000
σ		745.100	30.010	0.000	31.440	93.480	133.600	0.399%	3.292
%RSD		0.710	1.166	0.000	0.348	0.224	0.313	0.452	0.517

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:02:19	202.700	538.800	13650.000	392200.000	394200.000	246.700	510.800	417.000
2	20:03:02	203.200	539.000	13600.000	389200.000	390400.000	244.600	504.300	414.300
3	20:03:45	200.100	531.100	13540.000	387800.000	388700.000	242.600	500.600	412.200
x		202.000	536.300	13600.000	389700.000	391100.000	244.600	505.200	414.500
σ		1.682	4.507	52.610	2229.000	2797.000	2.024	5.142	2.404
%RSD		0.833	0.840	0.387	0.572	0.715	0.827	1.018	0.580

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:02:19	421.400	3852.000	3899.000	137.800	9.798	14.900	0.000	325.100
2	20:03:02	420.200	3862.000	3927.000	137.900	9.211	13.810	0.000	326.700
3	20:03:45	418.900	3862.000	3935.000	137.200	8.926	13.630	0.000	326.600
x		420.200	3859.000	3921.000	137.600	9.312	14.110	0.000	326.200
σ		1.262	5.817	19.230	0.367	0.445	0.687	0.000	0.878
%RSD		0.300	0.151	0.491	0.267	4.777	4.867	0.000	0.269

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:02:19	0.000	31.500	31.720	73.727%	5.643	5.587	16.490	16.270
2	20:03:02	0.000	31.670	31.820	74.431%	5.535	5.535	16.580	15.890
3	20:03:45	0.000	31.950	31.970	74.758%	5.646	5.600	16.760	15.990
x		0.000	31.710	31.840	74.306%	5.608	5.574	16.610	16.050
σ		0.000	0.226	0.126	0.527%	0.064	0.034	0.138	0.199
%RSD		0.000	0.714	0.397	0.709	1.133	0.618	0.833	1.237

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:02:19	68.226%	261.600	3.473	3.374	1559.000	1548.000	80.205%	78.921%
2	20:03:02	69.653%	260.900	3.379	3.374	1560.000	1542.000	82.003%	81.250%
3	20:03:45	69.936%	261.400	3.445	3.480	1556.000	1538.000	82.945%	82.300%
x		69.272%	261.300	3.432	3.409	1558.000	1543.000	81.718%	80.824%
σ		0.916%	0.328	0.048	0.061	2.157	5.477	1.392%	1.729%
%RSD		1.323	0.125	1.403	1.794	0.138	0.355	1.704	2.140

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:02:19	2.357	2.428	813.100	789.600	833.500	72.326%
2	20:03:02	2.399	2.456	815.500	788.800	834.500	74.151%
3	20:03:45	2.388	2.452	812.800	786.900	832.900	75.121%
x		2.381	2.446	813.800	788.400	833.600	73.866%
σ		0.022	0.015	1.447	1.425	0.825	1.419%
%RSD		0.927	0.615	0.178	0.181	0.099	1.921

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:39	98.464%	12.430	33.770	32.620	0.000	2380.000	27180.000	26170.000
2	20:07:22	98.916%	12.280	35.810	32.790	0.000	2394.000	27190.000	25980.000
3	20:08:05	97.277%	12.870	36.530	32.370	0.000	2434.000	27530.000	26090.000
x		98.219%	12.530	35.370	32.590	0.000	2402.000	27300.000	26080.000
σ		0.846%	0.310	1.428	0.207	0.000	28.110	199.000	93.760
%RSD		0.862	2.476	4.039	0.636	0.000	1.170	0.729	0.360

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:39	97090.000	2768.000	0.000	9268.000	50110.000	50970.000	87.216%	691.500
2	20:07:22	95300.000	2653.000	0.000	9370.000	50620.000	51020.000	87.512%	691.400
3	20:08:05	96010.000	2650.000	0.000	9435.000	50950.000	51650.000	86.952%	694.600
x		96130.000	2690.000	0.000	9357.000	50560.000	51210.000	87.227%	692.500
σ		899.500	67.610	0.000	84.070	421.400	377.300	0.280%	1.835
%RSD		0.936	2.513	0.000	0.898	0.833	0.737	0.321	0.265

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:39	202.100	367.100	12620.000	409000.000	409400.000	178.400	388.800	352.000
2	20:07:22	202.100	362.300	12490.000	403600.000	407200.000	175.600	383.800	349.300
3	20:08:05	201.600	363.800	12600.000	408800.000	408700.000	176.500	384.100	351.700
x		201.900	364.400	12570.000	407100.000	408400.000	176.900	385.500	351.000
σ		0.285	2.452	73.220	3038.000	1139.000	1.431	2.827	1.505
%RSD		0.141	0.673	0.583	0.746	0.279	0.809	0.733	0.429

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:39	355.300	2332.000	2369.000	120.300	7.891	11.220	0.000	326.400
2	20:07:22	353.400	2351.000	2374.000	119.900	7.087	11.620	0.000	327.200
3	20:08:05	357.900	2350.000	2394.000	121.200	7.598	11.960	0.000	329.400
x		355.500	2344.000	2379.000	120.400	7.525	11.600	0.000	327.700
σ		2.247	10.950	13.170	0.700	0.407	0.372	0.000	1.518
%RSD		0.632	0.467	0.554	0.581	5.402	3.202	0.000	0.463

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:39	0.000	29.980	29.990	72.899%	2.503	2.534	10.370	9.676
2	20:07:22	0.000	29.840	29.830	74.216%	2.577	2.427	10.070	9.617
3	20:08:05	0.000	30.260	30.010	74.252%	2.507	2.489	10.190	9.495
x		0.000	30.030	29.940	73.789%	2.529	2.483	10.210	9.596
σ		0.000	0.215	0.102	0.771%	0.042	0.054	0.147	0.092
%RSD		0.000	0.714	0.340	1.045	1.655	2.164	1.439	0.962

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:39	67.947%	157.400	3.744	3.812	1458.000	1441.000	78.978%	77.963%
2	20:07:22	69.085%	157.500	3.887	3.859	1463.000	1443.000	80.998%	79.911%
3	20:08:05	69.752%	156.600	3.791	3.901	1458.000	1439.000	81.764%	80.472%
x		68.928%	157.200	3.808	3.858	1460.000	1441.000	80.580%	79.448%
σ		0.913%	0.507	0.073	0.044	2.704	1.713	1.440%	1.317%
%RSD		1.324	0.322	1.909	1.147	0.185	0.119	1.786	1.657

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:06:39	2.408	2.345	552.000	536.900	542.100	72.715%
2	20:07:22	2.336	2.383	552.000	536.400	541.600	74.705%
3	20:08:05	2.407	2.366	553.400	541.400	542.700	75.148%
x		2.383	2.364	552.400	538.300	542.200	74.189%
σ		0.041	0.019	0.805	2.755	0.555	1.296%
%RSD		1.735	0.805	0.146	0.512	0.102	1.747

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:15:21	98.928%	10.970	14.040	13.640	0.000	2197.000	22100.000	21390.000
2	20:16:04	100.237%	10.870	13.570	12.970	0.000	2203.000	21980.000	20950.000
3	20:16:47	99.928%	10.840	14.720	12.820	0.000	2215.000	22150.000	21160.000
x		99.698%	10.890	14.110	13.140	0.000	2205.000	22080.000	21170.000
σ		0.685%	0.064	0.576	0.438	0.000	9.386	86.570	217.300
%RSD		0.687	0.588	4.084	3.331	0.000	0.426	0.392	1.027

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:15:21	94600.000	2652.000	0.000	6821.000	16700.000	16160.000	88.161%	589.000
2	20:16:04	92450.000	2582.000	0.000	6871.000	16900.000	16260.000	88.957%	586.100
3	20:16:47	93080.000	2582.000	0.000	6890.000	16960.000	16300.000	89.016%	585.000
x		93380.000	2605.000	0.000	6861.000	16850.000	16240.000	88.711%	586.700
σ		1103.000	40.460	0.000	35.680	138.600	73.830	0.478%	2.068
%RSD		1.182	1.553	0.000	0.520	0.823	0.455	0.539	0.352

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:15:21	200.100	160.400	7949.000	312200.000	311200.000	130.800	224.900	170.400
2	20:16:04	197.900	158.600	7914.000	311600.000	311300.000	130.600	225.800	170.000
3	20:16:47	195.200	157.600	7879.000	309500.000	310000.000	129.700	223.800	169.000
x		197.800	158.900	7914.000	311100.000	310800.000	130.400	224.800	169.800
σ		2.488	1.445	34.990	1410.000	713.500	0.595	0.986	0.716
%RSD		1.258	0.910	0.442	0.453	0.230	0.456	0.438	0.421

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:15:21	174.300	739.800	751.000	82.840	3.508	7.468	0.000	148.400
2	20:16:04	172.400	745.600	754.400	84.080	2.846	8.200	0.000	148.800
3	20:16:47	172.300	751.100	759.000	83.380	2.816	7.499	0.000	150.000
x		173.000	745.500	754.800	83.430	3.057	7.722	0.000	149.100
σ		1.131	5.678	3.991	0.625	0.392	0.414	0.000	0.797
%RSD		0.654	0.762	0.529	0.749	12.810	5.357	0.000	0.535

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:15:21	0.000	8.787	8.929	74.712%	0.548	0.435	3.586	3.151
2	20:16:04	0.000	8.881	8.926	75.862%	0.533	0.451	3.271	2.801
3	20:16:47	0.000	8.865	8.920	76.054%	0.528	0.444	3.160	2.871
x		0.000	8.844	8.925	75.543%	0.536	0.443	3.339	2.941
σ		0.000	0.050	0.005	0.726%	0.010	0.008	0.221	0.185
%RSD		0.000	0.568	0.051	0.961	1.956	1.735	6.618	6.304

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:15:21	68.690%	6.313	1.565	1.588	1391.000	1373.000	80.191%	78.335%
2	20:16:04	70.083%	6.646	1.630	1.554	1380.000	1372.000	81.841%	80.579%
3	20:16:47	70.765%	6.590	1.516	1.564	1402.000	1373.000	82.446%	81.284%
x		69.846%	6.516	1.570	1.569	1391.000	1372.000	81.493%	80.066%
σ		1.057%	0.178	0.057	0.018	10.620	0.766	1.167%	1.540%
%RSD		1.514	2.737	3.621	1.119	0.764	0.056	1.432	1.924

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:15:21	1.243	1.226	161.200	157.000	159.800	73.690%
2	20:16:04	1.223	1.286	161.500	157.800	160.200	75.800%
3	20:16:47	1.242	1.306	162.600	157.700	160.700	76.653%
x		1.236	1.273	161.800	157.500	160.300	75.381%
σ		0.011	0.042	0.727	0.406	0.452	1.525%
%RSD		0.888	3.280	0.449	0.258	0.282	2.023

L9EKR 11/8/2010 8:18:57 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:40	98.412%	11.750	13.040	12.050	0.000	577.800	21830.000	21360.000
2	20:20:23	100.484%	11.230	12.400	12.200	0.000	575.200	21810.000	21070.000
3	20:21:06	99.592%	10.950	13.460	12.190	0.000	592.900	22000.000	21330.000
x		99.496%	11.310	12.970	12.150	0.000	581.900	21880.000	21250.000
σ		1.039%	0.403	0.530	0.084	0.000	9.536	103.000	159.400
%RSD		1.045	3.559	4.087	0.688	0.000	1.639	0.471	0.750
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:40	98370.000	2139.000	0.000	7083.000	17550.000	16820.000	87.231%	547.000
2	20:20:23	96970.000	2082.000	0.000	7066.000	17210.000	16890.000	87.709%	550.500
3	20:21:06	97270.000	2094.000	0.000	7082.000	17570.000	16870.000	87.673%	551.000
x		97540.000	2105.000	0.000	7077.000	17450.000	16860.000	87.538%	549.500
σ		734.500	30.020	0.000	9.212	201.100	36.740	0.267%	2.229
%RSD		0.753	1.426	0.000	0.130	1.153	0.218	0.305	0.406
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:40	209.500	165.900	8436.000	341800.000	340100.000	138.600	250.600	189.700
2	20:20:23	209.700	164.500	8422.000	340800.000	342000.000	140.100	249.700	189.300
3	20:21:06	208.000	163.900	8400.000	340700.000	339900.000	138.500	250.000	189.900
x		209.100	164.800	8419.000	341100.000	340700.000	139.000	250.100	189.700
σ		0.914	1.020	18.120	647.800	1164.000	0.895	0.466	0.298
%RSD		0.437	0.619	0.215	0.190	0.342	0.644	0.187	0.157
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:40	192.600	833.700	842.400	94.430	3.452	6.913	0.000	136.000
2	20:20:23	192.500	833.700	845.100	93.610	3.179	7.370	0.000	135.700
3	20:21:06	192.800	834.300	846.200	93.390	3.149	7.603	0.000	135.800
x		192.600	833.900	844.600	93.810	3.260	7.295	0.000	135.800
σ		0.144	0.303	1.955	0.547	0.167	0.351	0.000	0.142
%RSD		0.075	0.036	0.232	0.584	5.116	4.806	0.000	0.104
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:40	0.000	9.352	9.088	73.404%	0.689	0.605	4.239	3.790
2	20:20:23	0.000	9.580	9.516	74.287%	0.679	0.619	4.181	3.788
3	20:21:06	0.000	9.315	9.429	74.595%	0.628	0.616	4.145	3.738
x		0.000	9.416	9.344	74.095%	0.665	0.613	4.188	3.772
σ		0.000	0.144	0.227	0.619%	0.033	0.007	0.048	0.029
%RSD		0.000	1.526	2.424	0.835	4.940	1.199	1.141	0.781
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:40	67.522%	6.885	1.669	1.718	1703.000	1685.000	79.128%	77.111%
2	20:20:23	68.163%	6.978	1.654	1.618	1706.000	1691.000	80.081%	78.477%
3	20:21:06	68.347%	7.024	1.669	1.722	1711.000	1686.000	79.847%	78.886%
x		68.011%	6.962	1.664	1.686	1707.000	1687.000	79.685%	78.158%
σ		0.433%	0.071	0.009	0.059	4.481	3.057	0.496%	0.929%
%RSD		0.637	1.015	0.512	3.495	0.263	0.181	0.623	1.189
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:19:40	1.319	1.334	166.000	161.900	164.500	71.827%		
2	20:20:23	1.266	1.385	166.200	161.500	164.600	73.178%		
3	20:21:06	1.304	1.326	165.800	161.200	164.200	73.496%		
x		1.296	1.348	166.000	161.500	164.400	72.834%		
σ		0.027	0.032	0.208	0.351	0.183	0.886%		
%RSD		2.100	2.383	0.125	0.217	0.111	1.217		

L9EKT 11/8/2010 8:23:15 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:58	99.533%	12.500	11.810	12.580	0.000	693.800	23760.000	23240.000
2	20:24:41	99.450%	12.250	13.300	11.470	0.000	700.100	23830.000	22960.000
3	20:25:24	99.743%	12.010	12.380	11.710	0.000	697.000	23830.000	22820.000
x		99.576%	12.250	12.500	11.920	0.000	696.900	23810.000	23000.000
σ		0.151%	0.247	0.754	0.584	0.000	3.174	39.380	212.100
%RSD		0.152	2.019	6.034	4.898	0.000	0.455	0.165	0.922

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:58	107800.000	3218.000	0.000	7477.000	19470.000	19160.000	87.300%	665.700
2	20:24:41	106100.000	3191.000	0.000	7507.000	19860.000	19310.000	88.093%	655.600
3	20:25:24	104800.000	3080.000	0.000	7503.000	19800.000	19300.000	88.385%	645.600
x		106200.000	3163.000	0.000	7496.000	19710.000	19250.000	87.926%	655.600
σ		1530.000	72.880	0.000	16.480	207.100	83.590	0.561%	10.030
%RSD		1.441	2.304	0.000	0.220	1.050	0.434	0.638	1.530

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:58	226.500	174.100	11250.000	364700.000	365400.000	154.900	267.100	188.300
2	20:24:41	225.100	175.000	11160.000	362900.000	362800.000	153.900	265.300	187.600
3	20:25:24	223.000	171.300	10990.000	359800.000	361200.000	153.300	262.800	186.000
x		224.900	173.500	11130.000	362500.000	363100.000	154.000	265.100	187.300
σ		1.753	1.978	129.600	2518.000	2119.000	0.792	2.178	1.164
%RSD		0.780	1.140	1.164	0.695	0.584	0.514	0.822	0.621

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:58	190.100	851.900	854.800	105.700	3.192	8.185	0.000	139.400
2	20:24:41	189.000	861.500	873.000	106.600	3.334	7.652	0.000	140.400
3	20:25:24	189.600	857.300	870.000	106.400	2.715	6.980	0.000	140.700
x		189.600	856.900	865.900	106.300	3.080	7.606	0.000	140.200
σ		0.577	4.812	9.741	0.467	0.324	0.604	0.000	0.684
%RSD		0.305	0.562	1.125	0.440	10.520	7.942	0.000	0.488

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:58	0.000	10.260	10.020	72.857%	0.491	0.474	4.165	3.840
2	20:24:41	0.000	10.170	10.200	73.917%	0.533	0.447	4.142	3.710
3	20:25:24	0.000	10.240	10.090	74.135%	0.524	0.472	4.061	3.695
x		0.000	10.220	10.100	73.636%	0.516	0.464	4.123	3.749
σ		0.000	0.051	0.089	0.684%	0.022	0.015	0.054	0.080
%RSD		0.000	0.495	0.878	0.929	4.323	3.228	1.319	2.132

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:58	66.615%	7.179	1.741	1.764	1674.000	1654.000	79.159%	77.405%
2	20:24:41	67.916%	7.329	1.788	1.839	1676.000	1655.000	81.246%	79.395%
3	20:25:24	69.000%	7.359	1.714	1.690	1666.000	1655.000	81.838%	80.216%
x		67.844%	7.289	1.748	1.764	1672.000	1654.000	80.747%	79.005%
σ		1.194%	0.096	0.037	0.074	4.959	0.602	1.408%	1.445%
%RSD		1.760	1.323	2.124	4.221	0.297	0.036	1.743	1.829

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:58	1.461	1.492	178.300	174.300	176.600	70.864%
2	20:24:41	1.408	1.431	178.400	173.400	176.400	72.998%
3	20:25:24	1.435	1.465	176.800	172.400	175.600	74.061%
x		1.435	1.463	177.900	173.400	176.200	72.641%
σ		0.026	0.031	0.918	0.968	0.541	1.628%
%RSD		1.840	2.097	0.516	0.558	0.307	2.241

L9EKV 11/8/2010 8:27:33 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:28:16	97.937%	11.480	9.882	9.975	0.000	625.100	21610.000	20660.000
2	20:28:59	97.978%	11.260	11.310	10.050	0.000	644.600	21800.000	20970.000
3	20:29:42	97.978%	11.250	10.450	10.040	0.000	633.900	21890.000	21050.000
x		97.964%	11.330	10.550	10.020	0.000	634.500	21770.000	20890.000
σ		0.024%	0.133	0.718	0.042	0.000	9.740	140.100	206.500
%RSD		0.024	1.173	6.804	0.418	0.000	1.535	0.644	0.989

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:28:16	97860.000	2767.000	0.000	6757.000	16440.000	15960.000	87.524%	612.400
2	20:28:59	98420.000	2743.000	0.000	6810.000	16900.000	16170.000	87.445%	616.100
3	20:29:42	98940.000	2793.000	0.000	6818.000	16690.000	16190.000	87.898%	613.000
x		98410.000	2768.000	0.000	6795.000	16680.000	16110.000	87.622%	613.800
σ		540.200	24.920	0.000	32.970	225.800	127.200	0.242%	2.017
%RSD		0.549	0.901	0.000	0.485	1.354	0.790	0.276	0.329

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:28:16	212.700	157.600	10660.000	342400.000	342000.000	138.900	237.000	174.400
2	20:28:59	211.500	157.600	10700.000	343300.000	344600.000	140.000	236.100	175.100
3	20:29:42	210.400	157.100	10660.000	342700.000	342700.000	137.700	234.600	174.800
x		211.500	157.400	10670.000	342800.000	343100.000	138.900	235.900	174.800
σ		1.164	0.322	20.390	489.500	1346.000	1.158	1.174	0.360
%RSD		0.550	0.205	0.191	0.143	0.392	0.834	0.498	0.206

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:28:16	175.500	779.900	790.300	101.500	2.908	8.099	0.000	120.700
2	20:28:59	176.800	789.800	798.800	102.100	2.785	6.821	0.000	121.700
3	20:29:42	177.900	788.000	797.100	102.200	2.465	6.618	0.000	121.400
x		176.700	785.900	795.400	101.900	2.719	7.179	0.000	121.200
σ		1.186	5.243	4.510	0.380	0.229	0.803	0.000	0.510
%RSD		0.671	0.667	0.567	0.373	8.414	11.180	0.000	0.421

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:28:16	0.000	9.365	9.213	73.799%	0.505	0.447	3.545	3.253
2	20:28:59	0.000	9.339	9.255	74.127%	0.522	0.440	3.627	3.241
3	20:29:42	0.000	9.427	9.398	74.261%	0.508	0.437	3.692	3.217
x		0.000	9.377	9.289	74.062%	0.511	0.441	3.621	3.237
σ		0.000	0.045	0.097	0.237%	0.009	0.005	0.074	0.019
%RSD		0.000	0.485	1.044	0.320	1.737	1.211	2.035	0.578

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:28:16	67.223%	4.845	1.653	1.752	1636.000	1610.000	80.082%	78.100%
2	20:28:59	68.236%	4.682	1.699	1.622	1635.000	1616.000	81.025%	79.488%
3	20:29:42	68.469%	4.738	1.702	1.690	1636.000	1616.000	81.281%	79.193%
x		67.976%	4.755	1.685	1.688	1636.000	1614.000	80.796%	78.927%
σ		0.662%	0.083	0.028	0.065	0.605	3.510	0.632%	0.731%
%RSD		0.975	1.735	1.640	3.837	0.037	0.217	0.782	0.926

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:28:16	1.280	1.278	169.500	164.200	167.200	72.905%
2	20:28:59	1.312	1.349	171.000	166.100	168.600	74.362%
3	20:29:42	1.280	1.336	171.000	165.500	168.300	74.187%
x		1.291	1.321	170.500	165.300	168.100	73.818%
σ		0.018	0.038	0.882	0.956	0.752	0.796%
%RSD		1.430	2.854	0.517	0.578	0.448	1.078

CCV1-6 11/8/2010 8:34:45 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:28	76.943%	102.600	96.670	95.570	0.000	45560.000	47140.000	47870.000
2	20:36:11	76.236%	105.000	99.100	97.910	0.000	45920.000	47530.000	48160.000
3	20:36:54	75.671%	102.600	97.450	95.710	0.000	45790.000	47760.000	48220.000
x		76.283%	103.386%	97.741%	96.396%	0.000	91.517%	94.953%	96.167%
σ		0.637%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.835	1.326	1.270	1.363	0.000	0.397	0.658	0.395
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:28	492.800	5114.000	0.000	49130.000	48760.000	49750.000	71.181%	102.000
2	20:36:11	493.700	5117.000	0.000	49040.000	49090.000	49970.000	71.382%	101.000
3	20:36:54	493.100	5061.000	0.000	49150.000	49030.000	49950.000	71.535%	102.600
x		98.637%	101.946%	0.000	98.215%	97.922%	99.780%	71.366%	101.871%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.178%	n/a
%RSD		0.089	0.611	0.000	0.128	0.358	0.251	0.249	0.772
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:28	100.800	100.800	497.000	25970.000	24980.000	100.400	99.610	101.700
2	20:36:11	100.400	99.640	490.100	25640.000	24740.000	99.340	100.600	100.700
3	20:36:54	100.600	100.200	488.400	25470.000	24710.000	98.470	97.610	98.960
x		100.582%	100.221%	98.368%	102.791%	99.231%	99.399%	99.259%	100.431%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.172	0.603	0.930	0.990	0.609	0.969	1.518	1.359
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:28	101.000	101.500	99.830	102.100	102.100	104.300	0.000	98.540
2	20:36:11	101.700	100.900	100.300	102.300	102.100	105.000	0.000	99.100
3	20:36:54	98.380	100.800	101.400	103.000	102.100	105.500	0.000	99.160
x		100.359%	101.093%	100.523%	102.466%	102.075%	104.950%	0.000	98.933%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.756	0.392	0.827	0.484	0.005	0.595	0.000	0.345
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:28	66.616%	78.660	78.420	68.739%	101.300	102.300	98.690	100.200
2	20:36:11	66.782%	87.360	87.330	69.167%	101.200	103.200	99.940	99.880
3	20:36:54	67.254%	92.730	92.650	69.494%	100.600	102.300	98.520	99.390
x		66.884%	86.250%	86.135%	69.134%	101.032%	102.612%	99.049%	99.807%
σ		0.331%	n/a	n/a	0.379%	n/a	n/a	n/a	n/a
%RSD		0.495	8.237	8.345	0.548	0.353	0.507	0.787	0.385
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:28	62.605%	97.840	94.940	94.260	98.070	98.610	62.508%	62.533%
2	20:36:11	62.823%	97.790	98.030	97.410	98.320	99.270	63.633%	63.677%
3	20:36:54	63.497%	97.950	98.440	98.000	98.720	98.710	64.307%	64.170%
x		62.975%	97.859%	97.138%	96.558%	98.370%	98.865%	63.482%	63.460%
σ		0.465%	n/a	n/a	n/a	n/a	n/a	0.909%	0.840%
%RSD		0.739	0.085	1.968	2.083	0.337	0.359	1.431	1.323
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:35:28	99.640	100.500	100.700	100.700	100.700	65.777%		
2	20:36:11	99.460	100.500	100.500	100.400	100.300	67.264%		
3	20:36:54	99.560	99.760	100.400	99.760	100.000	68.500%		
x		99.551%	100.267%	100.532%	100.297%	100.361%	67.180%		
σ		n/a	n/a	n/a	n/a	n/a	1.363%		
%RSD		0.092	0.439	0.117	0.497	0.344	2.029		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:42:41	95.793%	-0.019	1.148	0.952	0.000	-17.550	3.719	4.469
2	20:43:25	97.460%	0.011	0.660	0.802	0.000	-14.900	7.557	8.063
3	20:44:07	97.282%	0.007	0.938	1.030	0.000	-13.030	9.553	10.360
x		96.845%	-0.000	0.915	0.928	0.000	-15.160	6.943	7.632
σ		0.916%	0.016	0.245	0.116	0.000	2.269	2.965	2.970
%RSD		0.946	3827.000	26.770	12.440	0.000	14.970	42.700	38.920

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:42:41	-2.626	0.165	0.000	2.912	4.687	-0.571	92.699%	-0.056
2	20:43:25	-1.139	0.094	0.000	5.516	1.965	2.681	93.963%	-0.066
3	20:44:07	-0.136	0.138	0.000	6.424	5.171	2.799	95.183%	-0.060
x		-1.300	0.133	0.000	4.951	3.941	1.637	93.948%	-0.061
σ		1.253	0.036	0.000	1.823	1.729	1.912	1.242%	0.005
%RSD		96.340	26.890	0.000	36.830	43.860	116.800	1.322	7.827

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:42:41	0.045	-0.027	0.182	18.600	19.230	-0.000	-0.021	-0.308
2	20:43:25	0.030	-0.015	0.298	20.950	21.890	0.008	-0.011	-0.276
3	20:44:07	-0.020	0.008	0.378	22.130	23.890	0.018	-0.023	-0.269
x		0.018	-0.012	0.286	20.560	21.670	0.008	-0.019	-0.284
σ		0.034	0.018	0.099	1.796	2.338	0.009	0.007	0.021
%RSD		185.500	154.600	34.530	8.734	10.790	108.900	35.660	7.389

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:42:41	-0.212	-0.834	-0.836	-0.433	0.099	-1.621	0.000	-0.002
2	20:43:25	-0.234	-0.832	-0.842	-0.393	0.079	-1.736	0.000	0.009
3	20:44:07	-0.260	-0.807	-0.804	-0.361	-0.365	-1.607	0.000	0.019
x		-0.235	-0.824	-0.827	-0.396	-0.062	-1.654	0.000	0.008
σ		0.024	0.015	0.020	0.036	0.262	0.071	0.000	0.010
%RSD		10.380	1.797	2.474	9.143	419.100	4.283	0.000	124.100

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:42:41	83.152%	1.663	1.553	91.499%	-0.000	0.003	-0.117	-0.071
2	20:43:25	84.624%	1.482	1.475	92.666%	0.007	0.011	-0.033	-0.012
3	20:44:07	85.907%	1.284	1.174	93.847%	0.017	0.017	-0.076	-0.047
x		84.561%	1.476	1.401	92.671%	0.008	0.010	-0.075	-0.043
σ		1.379%	0.189	0.200	1.174%	0.009	0.007	0.042	0.030
%RSD		1.630	12.810	14.280	1.267	107.700	66.640	55.800	68.390

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:42:41	79.012%	-0.497	0.331	0.334	0.028	0.036	82.256%	81.634%
2	20:43:25	81.018%	-0.544	0.275	0.321	0.040	0.041	84.059%	83.239%
3	20:44:07	81.514%	-0.525	0.265	0.299	0.080	0.069	85.039%	84.771%
x		80.514%	-0.522	0.290	0.318	0.049	0.049	83.785%	83.215%
σ		1.325%	0.024	0.036	0.018	0.027	0.018	1.411%	1.569%
%RSD		1.645	4.544	12.370	5.534	54.950	36.200	1.684	1.885

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:42:41	0.019	0.018	0.072	0.070	0.071	87.017%
2	20:43:25	0.023	0.020	0.094	0.089	0.080	89.665%
3	20:44:07	0.026	0.022	0.083	0.081	0.081	91.456%
x		0.023	0.020	0.083	0.080	0.077	89.379%
σ		0.003	0.002	0.011	0.010	0.005	2.234%
%RSD		14.630	12.050	13.230	12.010	7.054	2.499

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:47:02	92.833%	10.370	9.802	9.178	0.000	667.400	18870.000	18250.000
2	20:47:45	94.438%	9.916	10.320	9.343	0.000	679.000	19380.000	18700.000
3	20:48:28	94.866%	10.510	9.951	9.435	0.000	683.000	19330.000	18510.000
x		94.046%	10.260	10.030	9.319	0.000	676.500	19190.000	18490.000
σ		1.072%	0.311	0.268	0.130	0.000	8.133	280.700	228.100
%RSD		1.140	3.027	2.674	1.399	0.000	1.202	1.463	1.234
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:47:02	88560.000	2739.000	0.000	6232.000	14620.000	14150.000	81.688%	530.600
2	20:47:45	89870.000	2737.000	0.000	6341.000	14960.000	14470.000	83.046%	535.200
3	20:48:28	89340.000	2712.000	0.000	6328.000	15020.000	14460.000	84.549%	538.600
x		89260.000	2729.000	0.000	6300.000	14870.000	14360.000	83.094%	534.800
σ		662.400	15.250	0.000	59.580	218.100	183.400	1.431%	4.010
%RSD		0.742	0.559	0.000	0.946	1.467	1.277	1.722	0.750
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:47:02	196.300	149.500	9854.000	325800.000	323700.000	123.400	216.000	157.300
2	20:47:45	196.200	151.200	9861.000	325600.000	324400.000	123.500	216.800	158.000
3	20:48:28	196.100	148.700	9844.000	325400.000	324300.000	123.600	216.000	158.100
x		196.200	149.800	9853.000	325600.000	324100.000	123.500	216.300	157.800
σ		0.125	1.316	8.579	228.600	364.800	0.102	0.433	0.439
%RSD		0.064	0.878	0.087	0.070	0.113	0.083	0.200	0.278
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:47:02	160.000	727.900	736.900	93.040	2.347	6.273	0.000	115.300
2	20:47:45	160.600	736.700	745.800	93.560	2.469	6.106	0.000	116.300
3	20:48:28	160.400	738.400	747.400	93.660	2.295	6.300	0.000	116.300
x		160.400	734.300	743.300	93.420	2.370	6.227	0.000	116.000
σ		0.309	5.629	5.670	0.336	0.089	0.105	0.000	0.562
%RSD		0.193	0.767	0.763	0.360	3.763	1.685	0.000	0.484
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:47:02	0.000	10.140	10.180	69.539%	0.591	0.563	3.352	3.063
2	20:47:45	0.000	9.404	9.576	71.842%	0.593	0.574	3.632	3.308
3	20:48:28	0.000	9.164	9.038	73.139%	0.568	0.534	3.511	3.140
x		0.000	9.569	9.597	71.506%	0.584	0.557	3.498	3.171
σ		0.000	0.508	0.570	1.823%	0.014	0.020	0.140	0.125
%RSD		0.000	5.307	5.939	2.550	2.408	3.667	4.014	3.948
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:47:02	63.702%	4.694	2.737	2.574	1683.000	1668.000	75.094%	74.094%
2	20:47:45	66.016%	4.610	2.219	2.297	1692.000	1668.000	78.306%	77.155%
3	20:48:28	67.205%	4.266	2.036	2.057	1686.000	1668.000	79.528%	78.545%
x		65.641%	4.524	2.331	2.310	1687.000	1668.000	77.643%	76.598%
σ		1.782%	0.227	0.363	0.259	4.556	0.215	2.290%	2.277%
%RSD		2.714	5.014	15.580	11.200	0.270	0.013	2.950	2.973
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:47:02	1.162	1.121	142.100	138.200	140.700	72.192%		
2	20:47:45	1.118	1.145	143.800	140.100	142.300	74.030%		
3	20:48:28	1.138	1.196	143.900	139.800	142.500	75.219%		
x		1.139	1.154	143.300	139.400	141.800	73.814%		
σ		0.022	0.038	0.973	0.996	1.009	1.525%		
%RSD		1.924	3.323	0.679	0.715	0.712	2.066		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:51:21	96.419%	10.360	8.449	8.244	0.000	687.000	19680.000	19340.000
2	20:52:04	97.212%	10.380	8.376	8.041	0.000	690.900	19710.000	19330.000
3	20:52:47	97.566%	10.560	9.094	8.233	0.000	707.000	19810.000	19260.000
x		97.066%	10.430	8.640	8.173	0.000	695.000	19730.000	19310.000
σ		0.588%	0.111	0.395	0.114	0.000	10.570	66.140	44.970
%RSD		0.605	1.060	4.572	1.399	0.000	1.521	0.335	0.233

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:51:21	92850.000	2141.000	0.000	5974.000	14650.000	14330.000	84.059%	575.600
2	20:52:04	92410.000	2078.000	0.000	5979.000	14850.000	14340.000	84.796%	567.300
3	20:52:47	91530.000	2048.000	0.000	6005.000	15040.000	14440.000	84.883%	561.500
x		92260.000	2089.000	0.000	5986.000	14850.000	14370.000	84.579%	568.100
σ		668.700	47.590	0.000	16.760	195.000	62.070	0.453%	7.074
%RSD		0.725	2.278	0.000	0.280	1.314	0.432	0.536	1.245

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:51:21	202.800	155.000	10350.000	331400.000	330900.000	132.800	226.400	165.500
2	20:52:04	201.000	153.400	10280.000	329400.000	329500.000	130.600	222.500	165.800
3	20:52:47	199.400	152.000	10230.000	327800.000	329500.000	131.900	224.400	165.100
x		201.100	153.500	10290.000	329500.000	330000.000	131.800	224.400	165.500
σ		1.679	1.489	58.580	1786.000	801.500	1.131	1.971	0.319
%RSD		0.835	0.971	0.569	0.542	0.243	0.859	0.878	0.193

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:51:21	167.500	741.500	749.400	92.640	2.483	6.703	0.000	108.000
2	20:52:04	166.600	744.500	753.400	92.980	2.464	5.805	0.000	108.200
3	20:52:47	166.400	742.100	754.600	92.270	2.469	7.009	0.000	108.200
x		166.900	742.700	752.400	92.630	2.472	6.505	0.000	108.100
σ		0.582	1.584	2.727	0.359	0.010	0.626	0.000	0.153
%RSD		0.349	0.213	0.362	0.387	0.392	9.618	0.000	0.142

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:51:21	0.000	9.091	8.982	71.446%	0.420	0.397	3.791	3.569
2	20:52:04	0.000	8.872	8.778	72.346%	0.432	0.371	3.949	3.605
3	20:52:47	0.000	8.832	8.664	73.006%	0.465	0.356	4.022	3.685
x		0.000	8.932	8.808	72.266%	0.439	0.374	3.921	3.620
σ		0.000	0.139	0.161	0.783%	0.023	0.021	0.118	0.059
%RSD		0.000	1.559	1.830	1.083	5.261	5.539	3.014	1.632

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:51:21	64.198%	4.521	1.879	1.822	1386.000	1372.000	74.779%	73.589%
2	20:52:04	65.866%	4.672	1.799	1.847	1386.000	1368.000	76.452%	75.039%
3	20:52:47	65.994%	4.464	1.781	1.743	1391.000	1384.000	76.599%	75.603%
x		65.353%	4.552	1.820	1.804	1388.000	1374.000	75.943%	74.744%
σ		1.002%	0.108	0.052	0.055	2.390	8.267	1.011%	1.039%
%RSD		1.533	2.365	2.876	3.023	0.172	0.602	1.331	1.390

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:51:21	1.172	1.192	148.000	144.000	146.500	70.422%
2	20:52:04	1.198	1.168	148.200	144.900	147.000	71.721%
3	20:52:47	1.187	1.149	147.000	143.300	145.700	72.981%
x		1.186	1.170	147.700	144.100	146.400	71.708%
σ		0.013	0.021	0.634	0.780	0.637	1.280%
%RSD		1.101	1.815	0.429	0.542	0.435	1.785

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:40	96.000%	5.833	8.691	8.286	0.000	474.500	10820.000	10660.000
2	20:56:23	95.645%	5.723	8.600	8.273	0.000	482.300	10870.000	10570.000
3	20:57:06	94.585%	6.004	9.211	8.373	0.000	484.300	11000.000	10650.000
x		95.410%	5.853	8.834	8.311	0.000	480.400	10900.000	10630.000
σ		0.736%	0.142	0.330	0.055	0.000	5.179	94.520	47.340
%RSD		0.771	2.421	3.737	0.657	0.000	1.078	0.867	0.446

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:40	35260.000	2551.000	0.000	3095.000	10990.000	10770.000	81.254%	402.700
2	20:56:23	34940.000	2482.000	0.000	3101.000	11090.000	10790.000	81.723%	398.600
3	20:57:06	34690.000	2469.000	0.000	3125.000	11120.000	10790.000	81.574%	394.300
x		34960.000	2501.000	0.000	3107.000	11070.000	10780.000	81.517%	398.500
σ		283.900	44.420	0.000	16.160	71.830	9.116	0.239%	4.225
%RSD		0.812	1.776	0.000	0.520	0.649	0.085	0.294	1.060

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:40	120.600	95.570	13420.000	306200.000	305000.000	90.520	154.300	107.400
2	20:56:23	118.100	94.590	13330.000	303700.000	302600.000	89.940	152.000	106.100
3	20:57:06	117.800	93.930	13240.000	301600.000	301400.000	88.890	152.400	106.500
x		118.900	94.700	13330.000	303800.000	303000.000	89.780	152.900	106.700
σ		1.557	0.826	88.950	2297.000	1814.000	0.825	1.232	0.655
%RSD		1.310	0.872	0.667	0.756	0.599	0.919	0.806	0.614

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:40	108.000	461.600	466.600	101.200	3.530	7.166	0.000	99.090
2	20:56:23	107.200	466.300	473.700	100.300	2.763	7.177	0.000	99.230
3	20:57:06	107.400	469.400	471.600	101.300	2.954	7.017	0.000	100.200
x		107.500	465.800	470.600	100.900	3.082	7.120	0.000	99.510
σ		0.402	3.904	3.681	0.567	0.399	0.090	0.000	0.616
%RSD		0.374	0.838	0.782	0.561	12.960	1.257	0.000	0.619

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:40	0.000	9.217	9.292	73.329%	0.302	0.240	3.074	2.850
2	20:56:23	0.000	9.312	9.303	74.222%	0.261	0.259	3.357	2.950
3	20:57:06	0.000	9.492	9.497	74.372%	0.276	0.214	3.407	3.079
x		0.000	9.340	9.364	73.974%	0.280	0.238	3.279	2.960
σ		0.000	0.140	0.116	0.564%	0.020	0.022	0.180	0.115
%RSD		0.000	1.494	1.235	0.762	7.278	9.384	5.478	3.889

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:40	66.081%	5.117	1.716	1.714	1389.000	1375.000	76.417%	75.166%
2	20:56:23	67.501%	5.132	1.710	1.738	1399.000	1382.000	78.016%	77.027%
3	20:57:06	67.401%	5.137	1.734	1.711	1402.000	1386.000	78.646%	77.736%
x		66.994%	5.128	1.720	1.721	1397.000	1381.000	77.693%	76.643%
σ		0.793%	0.010	0.013	0.015	6.834	5.660	1.150%	1.327%
%RSD		1.183	0.204	0.729	0.856	0.489	0.410	1.480	1.732

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:40	0.546	0.558	82.080	79.630	81.160	72.593%
2	20:56:23	0.627	0.578	82.490	79.680	81.260	74.585%
3	20:57:06	0.594	0.578	82.590	79.610	81.080	75.514%
x		0.589	0.572	82.390	79.640	81.170	74.231%
σ		0.040	0.012	0.269	0.035	0.091	1.492%
%RSD		6.829	2.044	0.327	0.044	0.112	2.011

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:00	96.897%	5.425	7.258	7.924	0.000	469.900	13420.000	13120.000
2	21:00:43	98.715%	5.603	8.213	7.423	0.000	471.400	13390.000	13040.000
3	21:01:26	98.077%	5.573	7.454	8.061	0.000	469.100	13390.000	12930.000
x		97.896%	5.534	7.642	7.803	0.000	470.100	13400.000	13030.000
σ		0.922%	0.096	0.505	0.336	0.000	1.172	18.670	94.660
%RSD		0.942	1.727	6.605	4.302	0.000	0.249	0.139	0.727

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:00	52720.000	2802.000	0.000	4459.000	10010.000	9669.000	81.095%	402.400
2	21:00:43	52340.000	2758.000	0.000	4475.000	10160.000	9728.000	80.943%	410.000
3	21:01:26	51860.000	2670.000	0.000	4467.000	9929.000	9687.000	81.385%	398.800
x		52300.000	2744.000	0.000	4467.000	10030.000	9695.000	81.141%	403.700
σ		430.600	67.360	0.000	7.969	114.900	30.240	0.224%	5.763
%RSD		0.823	2.455	0.000	0.178	1.146	0.312	0.277	1.428

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:00	127.200	93.860	15560.000	242500.000	242000.000	85.440	151.500	97.290
2	21:00:43	129.200	95.610	15630.000	244600.000	244200.000	86.370	151.800	97.670
3	21:01:26	128.300	94.540	15520.000	243300.000	241700.000	85.070	150.600	96.720
x		128.200	94.670	15570.000	243500.000	242600.000	85.630	151.300	97.230
σ		1.018	0.881	56.420	1057.000	1334.000	0.672	0.592	0.478
%RSD		0.794	0.931	0.362	0.434	0.550	0.785	0.392	0.492

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:00	97.420	437.600	442.500	88.750	1.452	5.117	0.000	117.200
2	21:00:43	98.940	438.200	445.500	88.370	1.374	4.309	0.000	117.600
3	21:01:26	97.060	436.600	443.300	88.190	1.569	4.275	0.000	117.200
x		97.810	437.500	443.800	88.430	1.465	4.567	0.000	117.400
σ		0.996	0.815	1.589	0.287	0.098	0.477	0.000	0.225
%RSD		1.019	0.186	0.358	0.324	6.685	10.440	0.000	0.192

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:00	0.000	11.540	11.680	72.215%	0.204	0.162	2.408	2.127
2	21:00:43	0.000	11.750	11.940	72.996%	0.210	0.149	2.469	2.190
3	21:01:26	0.000	11.710	11.690	73.038%	0.223	0.164	2.391	2.203
x		0.000	11.670	11.770	72.750%	0.212	0.158	2.423	2.173
σ		0.000	0.112	0.150	0.464%	0.010	0.008	0.041	0.041
%RSD		0.000	0.961	1.275	0.637	4.545	5.020	1.688	1.868

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:00	64.895%	2.444	1.511	1.378	1323.000	1302.000	72.793%	71.127%
2	21:00:43	65.658%	2.528	1.461	1.462	1329.000	1311.000	73.550%	72.362%
3	21:01:26	65.715%	2.504	1.458	1.506	1330.000	1315.000	73.940%	72.875%
x		65.423%	2.492	1.476	1.449	1328.000	1309.000	73.428%	72.121%
σ		0.458%	0.043	0.030	0.065	3.633	6.655	0.583%	0.899%
%RSD		0.700	1.740	2.020	4.512	0.274	0.508	0.794	1.246

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:00	0.732	0.753	87.110	84.950	86.220	72.468%
2	21:00:43	0.733	0.743	88.660	85.660	87.290	73.209%
3	21:01:26	0.758	0.749	87.990	85.780	87.160	73.249%
x		0.741	0.748	87.920	85.460	86.890	72.975%
σ		0.015	0.005	0.774	0.446	0.585	0.440%
%RSD		2.033	0.730	0.880	0.522	0.673	0.602

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:19	96.681%	10.160	12.580	12.540	0.000	487.600	22120.000	21700.000
2	21:05:02	97.427%	10.390	12.320	12.310	0.000	492.700	22160.000	21570.000
3	21:05:45	97.094%	10.280	12.170	11.760	0.000	496.600	22440.000	21660.000
x		97.067%	10.280	12.350	12.210	0.000	492.300	22240.000	21640.000
σ		0.374%	0.117	0.206	0.400	0.000	4.539	174.600	68.110
%RSD		0.385	1.138	1.667	3.279	0.000	0.922	0.785	0.315
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:19	90240.000	2686.000	0.000	7646.000	22290.000	21670.000	81.941%	665.700
2	21:05:02	89390.000	2644.000	0.000	7646.000	22300.000	21730.000	83.198%	666.600
3	21:05:45	88990.000	2608.000	0.000	7712.000	22710.000	21960.000	82.963%	659.300
x		89540.000	2646.000	0.000	7668.000	22430.000	21790.000	82.701%	663.900
σ		641.200	38.880	0.000	38.220	238.200	152.400	0.668%	3.990
%RSD		0.716	1.470	0.000	0.498	1.062	0.700	0.808	0.601
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:19	206.800	173.500	7975.000	333900.000	332900.000	129.800	238.100	177.200
2	21:05:02	205.400	171.900	7917.000	332200.000	330800.000	128.700	234.200	174.700
3	21:05:45	202.000	171.000	7876.000	328200.000	328400.000	129.000	234.800	175.800
x		204.700	172.100	7922.000	331500.000	330700.000	129.200	235.700	175.900
σ		2.474	1.297	49.730	2910.000	2245.000	0.574	2.074	1.283
%RSD		1.208	0.753	0.628	0.878	0.679	0.444	0.880	0.729
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:19	178.900	726.900	738.400	96.070	2.358	6.823	0.000	197.500
2	21:05:02	176.300	732.400	734.900	95.730	2.609	5.856	0.000	198.900
3	21:05:45	177.400	734.200	746.300	95.560	1.779	6.391	0.000	199.100
x		177.500	731.200	739.900	95.790	2.249	6.357	0.000	198.500
σ		1.300	3.811	5.838	0.262	0.426	0.484	0.000	0.855
%RSD		0.732	0.521	0.789	0.274	18.930	7.615	0.000	0.431
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:19	0.000	12.880	13.010	69.519%	0.466	0.353	3.825	3.373
2	21:05:02	0.000	12.840	12.940	70.747%	0.451	0.373	3.671	3.210
3	21:05:45	0.000	13.000	13.010	71.232%	0.457	0.387	3.657	3.241
x		0.000	12.900	12.990	70.499%	0.458	0.371	3.718	3.275
σ		0.000	0.081	0.043	0.883%	0.007	0.017	0.093	0.087
%RSD		0.000	0.631	0.328	1.252	1.638	4.607	2.498	2.652
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:19	62.420%	8.095	2.307	2.321	1412.000	1398.000	72.952%	71.161%
2	21:05:02	63.738%	8.187	2.308	2.264	1415.000	1401.000	74.977%	73.503%
3	21:05:45	64.578%	8.201	2.232	2.279	1417.000	1402.000	75.592%	74.227%
x		63.578%	8.161	2.282	2.288	1415.000	1400.000	74.507%	72.964%
σ		1.088%	0.057	0.044	0.030	2.284	2.191	1.381%	1.603%
%RSD		1.711	0.703	1.917	1.302	0.161	0.156	1.854	2.197
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:04:19	1.207	1.191	165.100	161.200	163.600	68.462%		
2	21:05:02	1.188	1.186	164.700	160.200	163.100	70.449%		
3	21:05:45	1.253	1.217	165.300	160.400	163.100	71.515%		
x		1.216	1.198	165.100	160.600	163.300	70.142%		
σ		0.033	0.017	0.299	0.497	0.253	1.550%		
%RSD		2.726	1.412	0.181	0.310	0.155	2.209		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:40	97.792%	9.330	12.590	11.100	0.000	432.600	18550.000	18060.000
2	21:09:23	98.610%	9.222	12.950	11.310	0.000	436.800	18720.000	18150.000
3	21:10:06	97.379%	9.030	12.510	11.410	0.000	439.800	18810.000	18230.000
x		97.927%	9.194	12.690	11.270	0.000	436.400	18690.000	18150.000
σ		0.627%	0.152	0.236	0.163	0.000	3.595	130.900	83.710
%RSD		0.640	1.650	1.860	1.443	0.000	0.824	0.700	0.461

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:40	72260.000	3814.000	0.000	6936.000	16780.000	16320.000	82.197%	648.800
2	21:09:23	73460.000	3869.000	0.000	6999.000	16810.000	16450.000	82.499%	642.500
3	21:10:06	73580.000	3826.000	0.000	7042.000	17000.000	16540.000	83.003%	648.500
x		73100.000	3836.000	0.000	6992.000	16860.000	16440.000	82.567%	646.600
σ		728.300	29.150	0.000	53.260	118.800	108.300	0.407%	3.535
%RSD		0.996	0.760	0.000	0.762	0.705	0.659	0.493	0.547

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:40	177.300	175.600	6720.000	299200.000	299100.000	112.000	204.100	148.100
2	21:09:23	174.600	173.600	6725.000	299700.000	300600.000	112.800	203.600	149.600
3	21:10:06	175.500	173.900	6754.000	300200.000	299800.000	113.400	202.300	149.600
x		175.800	174.400	6733.000	299700.000	299800.000	112.800	203.300	149.100
σ		1.367	1.072	18.120	493.800	750.600	0.705	0.952	0.846
%RSD		0.778	0.615	0.269	0.165	0.250	0.625	0.468	0.568

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:40	150.800	616.000	623.800	90.810	1.687	5.641	0.000	158.600
2	21:09:23	151.100	624.900	632.200	92.540	1.686	5.307	0.000	159.500
3	21:10:06	151.200	620.600	629.700	91.840	1.619	4.994	0.000	159.900
x		151.000	620.500	628.500	91.730	1.664	5.314	0.000	159.400
σ		0.232	4.429	4.309	0.872	0.039	0.324	0.000	0.650
%RSD		0.154	0.714	0.686	0.951	2.356	6.095	0.000	0.408

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:40	0.000	9.942	9.852	71.147%	0.387	0.294	3.402	2.815
2	21:09:23	0.000	9.770	10.040	71.872%	0.385	0.333	3.204	2.869
3	21:10:06	0.000	9.768	9.853	71.878%	0.386	0.292	3.104	2.650
x		0.000	9.827	9.916	71.632%	0.386	0.306	3.237	2.778
σ		0.000	0.100	0.111	0.420%	0.001	0.023	0.152	0.114
%RSD		0.000	1.018	1.119	0.587	0.250	7.473	4.681	4.091

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:40	63.581%	3.912	1.671	1.630	1118.000	1108.000	72.933%	71.343%
2	21:09:23	64.657%	4.006	1.726	1.681	1118.000	1112.000	73.616%	72.775%
3	21:10:06	64.961%	3.921	1.681	1.781	1121.000	1115.000	74.406%	73.195%
x		64.400%	3.946	1.693	1.697	1119.000	1112.000	73.652%	72.438%
σ		0.725%	0.051	0.029	0.077	1.959	3.661	0.737%	0.971%
%RSD		1.126	1.304	1.714	4.549	0.175	0.329	1.001	1.340

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:08:40	1.023	0.963	124.800	121.600	123.200	70.911%
2	21:09:23	0.970	1.004	125.000	121.600	123.600	72.262%
3	21:10:06	1.007	0.999	126.200	122.300	124.400	72.225%
x		1.000	0.989	125.300	121.800	123.700	71.799%
σ		0.027	0.022	0.747	0.361	0.614	0.769%
%RSD		2.692	2.233	0.596	0.296	0.497	1.072

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:00	97.748%	10.250	12.840	12.750	0.000	514.100	21840.000	21620.000
2	21:13:43	98.204%	9.985	13.020	12.450	0.000	516.400	22040.000	21540.000
3	21:14:26	97.284%	10.340	12.790	12.690	0.000	521.900	22300.000	21620.000
x		97.745%	10.190	12.880	12.630	0.000	517.500	22060.000	21590.000
σ		0.460%	0.185	0.123	0.157	0.000	4.009	230.300	46.250
%RSD		0.471	1.810	0.956	1.242	0.000	0.775	1.044	0.214

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:00	90610.000	3648.000	0.000	7987.000	20000.000	19420.000	82.136%	691.800
2	21:13:43	89690.000	3501.000	0.000	8070.000	20460.000	19620.000	82.422%	693.000
3	21:14:26	89480.000	3525.000	0.000	8055.000	20200.000	19590.000	82.870%	695.200
x		89920.000	3558.000	0.000	8037.000	20220.000	19540.000	82.476%	693.300
σ		600.900	79.020	0.000	44.100	228.400	105.400	0.370%	1.734
%RSD		0.668	2.221	0.000	0.549	1.129	0.539	0.449	0.250

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:00	202.200	192.100	5652.000	312000.000	312000.000	113.800	226.200	167.500
2	21:13:43	203.300	189.600	5629.000	309300.000	310000.000	113.600	226.300	168.000
3	21:14:26	199.000	186.100	5597.000	308500.000	308900.000	113.200	225.200	166.100
x		201.500	189.300	5626.000	309900.000	310300.000	113.500	225.900	167.200
σ		2.247	3.019	27.500	1833.000	1589.000	0.299	0.634	0.987
%RSD		1.115	1.595	0.489	0.592	0.512	0.263	0.281	0.590

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:00	168.100	677.400	689.500	83.090	2.613	5.723	0.000	182.200
2	21:13:43	169.700	683.800	690.700	84.180	1.879	6.290	0.000	184.700
3	21:14:26	167.800	686.100	692.200	83.620	1.993	6.296	0.000	185.300
x		168.500	682.500	690.800	83.630	2.162	6.103	0.000	184.100
σ		1.041	4.488	1.337	0.544	0.395	0.329	0.000	1.649
%RSD		0.618	0.658	0.194	0.651	18.270	5.390	0.000	0.896

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:00	0.000	10.020	10.000	69.270%	0.459	0.372	3.276	2.781
2	21:13:43	0.000	10.190	10.010	70.144%	0.449	0.398	3.171	2.762
3	21:14:26	0.000	10.130	10.220	70.631%	0.485	0.371	3.306	2.646
x		0.000	10.110	10.080	70.015%	0.464	0.380	3.251	2.730
σ		0.000	0.089	0.124	0.689%	0.019	0.016	0.071	0.073
%RSD		0.000	0.882	1.227	0.985	4.030	4.109	2.186	2.661

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:00	62.051%	4.641	1.736	1.688	1366.000	1353.000	71.982%	70.168%
2	21:13:43	63.356%	4.790	1.647	1.718	1366.000	1345.000	73.447%	72.060%
3	21:14:26	63.725%	4.620	1.718	1.741	1369.000	1350.000	74.304%	72.735%
x		63.044%	4.683	1.700	1.715	1367.000	1349.000	73.244%	71.654%
σ		0.880%	0.093	0.047	0.027	2.152	3.685	1.174%	1.331%
%RSD		1.395	1.984	2.772	1.550	0.158	0.273	1.603	1.858

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:00	1.233	1.218	140.200	136.300	138.700	67.585%
2	21:13:43	1.121	1.170	140.000	135.700	138.300	69.598%
3	21:14:26	1.247	1.212	140.000	136.700	138.300	70.680%
x		1.200	1.200	140.100	136.200	138.400	69.288%
σ		0.069	0.027	0.098	0.494	0.222	1.571%
%RSD		5.781	2.208	0.070	0.363	0.160	2.267

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:21	92.511%	2.069	3.056	2.974	0.000	87.050	4567.000	4520.000
2	21:18:04	93.327%	1.933	2.915	2.895	0.000	86.480	4557.000	4494.000
3	21:18:47	92.051%	2.026	3.235	2.820	0.000	89.220	4594.000	4552.000
x		92.630%	2.009	3.069	2.896	0.000	87.580	4573.000	4522.000
σ		0.646%	0.070	0.160	0.077	0.000	1.448	19.250	28.980
%RSD		0.697	3.472	5.217	2.659	0.000	1.653	0.421	0.641

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:21	18540.000	760.800	0.000	1721.000	4229.000	4169.000	80.417%	144.200
2	21:18:04	18520.000	758.300	0.000	1731.000	4376.000	4213.000	79.669%	149.300
3	21:18:47	18720.000	747.400	0.000	1727.000	4283.000	4167.000	79.432%	143.400
x		18590.000	755.500	0.000	1726.000	4296.000	4183.000	79.839%	145.700
σ		108.700	7.113	0.000	5.060	74.150	26.340	0.514%	3.190
%RSD		0.584	0.942	0.000	0.293	1.726	0.630	0.644	2.190

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:21	41.250	39.110	1124.000	62600.000	61710.000	22.350	44.940	33.150
2	21:18:04	41.830	39.140	1125.000	62050.000	61160.000	22.280	44.720	32.770
3	21:18:47	40.750	38.480	1129.000	62140.000	61330.000	22.320	44.740	32.920
x		41.280	38.910	1126.000	62260.000	61400.000	22.320	44.800	32.950
σ		0.544	0.373	2.303	293.900	282.000	0.038	0.119	0.187
%RSD		1.317	0.957	0.205	0.472	0.459	0.169	0.266	0.568

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:21	33.390	137.800	137.700	15.180	-1.302	-1.630	0.000	31.370
2	21:18:04	33.170	140.000	139.500	15.960	-1.480	-1.397	0.000	31.330
3	21:18:47	32.940	140.400	139.700	15.500	-1.510	-1.440	0.000	31.280
x		33.170	139.400	139.000	15.550	-1.431	-1.489	0.000	31.330
σ		0.226	1.400	1.096	0.390	0.112	0.124	0.000	0.045
%RSD		0.681	1.005	0.789	2.507	7.853	8.313	0.000	0.144

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:21	92.343%	1.679	1.778	77.373%	0.088	0.087	0.648	0.542
2	21:18:04	92.187%	1.782	1.838	77.308%	0.085	0.070	0.591	0.557
3	21:18:47	92.815%	1.703	1.877	77.186%	0.085	0.066	0.561	0.519
x		92.448%	1.721	1.831	77.289%	0.086	0.074	0.600	0.539
σ		0.327%	0.054	0.050	0.095%	0.002	0.011	0.044	0.019
%RSD		0.354	3.128	2.723	0.122	2.168	15.230	7.326	3.567

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:21	69.300%	0.319	0.302	0.280	287.300	285.900	70.665%	70.560%
2	21:18:04	69.288%	0.366	0.302	0.289	288.700	287.000	71.377%	70.734%
3	21:18:47	69.419%	0.411	0.306	0.276	288.800	286.200	71.302%	71.237%
x		69.336%	0.365	0.304	0.282	288.200	286.400	71.115%	70.843%
σ		0.072%	0.046	0.003	0.007	0.844	0.588	0.391%	0.352%
%RSD		0.104	12.500	0.837	2.379	0.293	0.206	0.550	0.497

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:17:21	0.234	0.245	28.230	27.200	27.730	76.577%
2	21:18:04	0.237	0.224	27.790	27.020	27.380	78.407%
3	21:18:47	0.246	0.232	27.760	26.800	27.360	78.840%
x		0.239	0.234	27.930	27.010	27.490	77.941%
σ		0.006	0.011	0.264	0.197	0.209	1.201%
%RSD		2.714	4.521	0.946	0.730	0.760	1.541

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:42	84.005%	54.770	760.200	739.800	0.000	38500.000	65540.000	64770.000
2	21:22:25	84.682%	53.980	773.600	730.500	0.000	38650.000	65890.000	64540.000
3	21:23:08	85.118%	54.260	760.200	719.100	0.000	38890.000	66290.000	64500.000
x		84.602%	54.340	764.700	729.800	0.000	38680.000	65910.000	64600.000
σ		0.561%	0.403	7.772	10.380	0.000	196.600	374.000	148.200
%RSD		0.663	0.741	1.016	1.423	0.000	0.508	0.568	0.229

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:42	146300.000	5521.000	0.000	53600.000	60240.000	60970.000	76.105%	1430.000
2	21:22:25	143500.000	5372.000	0.000	53680.000	60820.000	61520.000	76.836%	1446.000
3	21:23:08	144300.000	5383.000	0.000	53840.000	61330.000	61590.000	76.524%	1441.000
x		144700.000	5425.000	0.000	53710.000	60800.000	61360.000	76.488%	1439.000
σ		1462.000	83.150	0.000	121.700	548.800	340.400	0.367%	8.145
%RSD		1.011	1.533	0.000	0.227	0.903	0.555	0.480	0.566

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:42	663.200	389.000	5708.000	304000.000	303100.000	499.700	625.200	352.000
2	21:22:25	663.500	385.800	5676.000	302600.000	302300.000	499.800	631.400	352.200
3	21:23:08	662.800	386.100	5687.000	303300.000	302600.000	498.900	620.100	351.200
x		663.200	387.000	5690.000	303300.000	302700.000	499.400	625.600	351.800
σ		0.347	1.730	16.180	696.100	432.900	0.507	5.642	0.528
%RSD		0.052	0.447	0.284	0.230	0.143	0.101	0.902	0.150

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:42	355.900	1078.000	1088.000	110.500	10.720	13.280	0.000	1235.000
2	21:22:25	355.600	1091.000	1100.000	110.300	9.989	13.280	0.000	1240.000
3	21:23:08	356.800	1089.000	1104.000	111.300	10.750	13.390	0.000	1245.000
x		356.100	1086.000	1097.000	110.700	10.480	13.320	0.000	1240.000
σ		0.589	7.011	8.000	0.497	0.429	0.067	0.000	5.144
%RSD		0.165	0.646	0.729	0.449	4.092	0.502	0.000	0.415

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:42	0.000	892.600	897.800	63.190%	45.920	46.410	46.740	44.680
2	21:22:25	0.000	908.500	915.900	64.231%	46.090	46.660	46.790	44.970
3	21:23:08	0.000	918.100	922.900	64.762%	46.010	46.530	45.910	45.300
x		0.000	906.400	912.200	64.061%	46.010	46.530	46.480	44.980
σ		0.000	12.870	12.960	0.800%	0.083	0.124	0.496	0.308
%RSD		0.000	1.420	1.421	1.249	0.181	0.267	1.066	0.685

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:42	56.861%	1674.000	223.200	221.100	3233.000	3184.000	66.999%	66.349%
2	21:22:25	58.084%	1676.000	223.100	221.700	3215.000	3175.000	69.220%	67.884%
3	21:23:08	59.107%	1663.000	221.700	220.300	3220.000	3170.000	69.960%	68.835%
x		58.017%	1671.000	222.700	221.000	3223.000	3176.000	68.727%	67.690%
σ		1.124%	6.745	0.853	0.730	9.355	7.268	1.541%	1.254%
%RSD		1.938	0.404	0.383	0.330	0.290	0.229	2.242	1.853

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:42	42.930	43.500	163.700	160.300	162.300	63.460%
2	21:22:25	43.720	43.770	162.000	159.700	161.700	65.468%
3	21:23:08	43.200	43.940	163.300	160.100	161.800	65.979%
x		43.280	43.740	163.000	160.000	161.900	64.969%
σ		0.403	0.222	0.883	0.291	0.331	1.332%
%RSD		0.930	0.507	0.542	0.182	0.205	2.050

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:02	83.632%	53.580	757.600	724.500	0.000	38880.000	65820.000	64590.000
2	21:26:45	83.902%	52.430	762.700	725.600	0.000	39140.000	65840.000	63800.000
3	21:27:28	84.102%	52.660	749.300	702.400	0.000	39090.000	65920.000	63530.000
x		83.879%	52.890	756.500	717.500	0.000	39040.000	65860.000	63970.000
σ		0.236%	0.610	6.735	13.080	0.000	138.100	52.300	548.200
%RSD		0.282	1.152	0.890	1.822	0.000	0.354	0.079	0.857

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:02	141500.000	6104.000	0.000	53760.000	60300.000	60590.000	75.626%	1461.000
2	21:26:45	139500.000	5953.000	0.000	53650.000	60680.000	60820.000	76.738%	1468.000
3	21:27:28	136900.000	5836.000	0.000	53920.000	60570.000	60920.000	76.662%	1455.000
x		139300.000	5964.000	0.000	53780.000	60520.000	60780.000	76.342%	1461.000
σ		2310.000	134.800	0.000	135.500	195.300	169.900	0.621%	6.543
%RSD		1.658	2.260	0.000	0.252	0.323	0.280	0.814	0.448

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:02	652.000	366.500	6426.000	319200.000	318500.000	505.200	622.800	354.000
2	21:26:45	647.400	363.500	6380.000	314100.000	313800.000	500.400	616.400	352.100
3	21:27:28	637.100	358.700	6314.000	310900.000	310700.000	495.100	605.400	348.400
x		645.500	362.900	6373.000	314800.000	314400.000	500.200	614.900	351.500
σ		7.638	3.943	56.250	4206.000	3946.000	5.088	8.802	2.863
%RSD		1.183	1.086	0.883	1.336	1.255	1.017	1.432	0.815

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:02	358.600	1085.000	1093.000	121.900	11.170	13.530	0.000	1234.000
2	21:26:45	355.200	1088.000	1093.000	120.900	10.300	13.420	0.000	1241.000
3	21:27:28	354.300	1090.000	1105.000	121.500	10.570	12.600	0.000	1248.000
x		356.000	1088.000	1097.000	121.400	10.680	13.180	0.000	1241.000
σ		2.298	2.702	7.091	0.543	0.447	0.509	0.000	6.953
%RSD		0.645	0.249	0.646	0.447	4.181	3.860	0.000	0.560

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:02	0.000	909.600	915.700	63.973%	45.640	46.040	46.180	44.260
2	21:26:45	0.000	916.600	920.000	65.044%	45.570	45.760	46.550	44.880
3	21:27:28	0.000	921.300	929.600	65.201%	45.300	45.990	46.840	44.960
x		0.000	915.800	921.800	64.740%	45.500	45.930	46.530	44.700
σ		0.000	5.870	7.133	0.668%	0.182	0.150	0.333	0.387
%RSD		0.000	0.641	0.774	1.032	0.399	0.326	0.715	0.866

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:02	57.986%	1680.000	233.500	229.600	3069.000	3017.000	68.877%	67.702%
2	21:26:45	59.280%	1683.000	234.200	231.200	3065.000	3019.000	71.038%	69.639%
3	21:27:28	60.262%	1671.000	232.800	231.300	3053.000	3006.000	72.167%	70.874%
x		59.176%	1678.000	233.500	230.700	3063.000	3014.000	70.694%	69.405%
σ		1.142%	6.483	0.709	0.972	8.277	7.329	1.672%	1.599%
%RSD		1.929	0.386	0.303	0.422	0.270	0.243	2.365	2.304

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:26:02	42.980	43.170	173.300	171.400	172.400	65.169%
2	21:26:45	43.230	43.660	173.700	170.500	172.200	67.081%
3	21:27:28	43.050	43.660	172.900	170.700	172.200	68.042%
x		43.090	43.500	173.300	170.800	172.200	66.764%
σ		0.127	0.285	0.397	0.458	0.107	1.462%
%RSD		0.296	0.656	0.229	0.268	0.062	2.190

CCV1-7 11/8/2010 9:32:31 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:14	74.990%	103.100	105.200	102.800	0.000	45640.000	45880.000	47290.000
2	21:33:57	74.312%	102.900	103.600	101.200	0.000	46100.000	46430.000	47730.000
3	21:34:40	73.494%	104.000	105.300	101.600	0.000	46400.000	46910.000	48130.000
x		74.266%	103.334%	104.668%	101.862%	0.000	92.095%	92.813%	95.434%
σ		0.749%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.009	0.563	0.924	0.805	0.000	0.828	1.111	0.887
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:14	504.500	5314.000	0.000	50320.000	49490.000	50310.000	66.092%	102.000
2	21:33:57	499.400	5294.000	0.000	50290.000	49660.000	47950.000	66.559%	103.700
3	21:34:40	500.200	5257.000	0.000	50190.000	49520.000	50350.000	66.697%	102.800
x		100.270%	105.765%	0.000	100.535%	99.121%	99.071%	66.449%	102.823%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.317%	n/a
%RSD		0.549	0.546	0.000	0.134	0.183	2.773	0.478	0.814
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:14	102.900	104.400	507.600	26780.000	25600.000	103.100	104.000	104.800
2	21:33:57	102.300	102.400	502.400	26620.000	25470.000	102.200	102.400	102.300
3	21:34:40	102.100	102.900	505.800	26490.000	25390.000	101.500	101.200	101.000
x		102.442%	103.248%	101.048%	106.511%	101.944%	102.279%	102.533%	102.714%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.380	1.005	0.520	0.555	0.423	0.790	1.360	1.863
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:14	102.500	101.700	100.700	103.100	103.700	105.400	0.000	98.630
2	21:33:57	101.900	101.100	101.000	103.300	102.600	104.700	0.000	98.990
3	21:34:40	101.400	101.400	101.100	102.700	102.200	105.800	0.000	99.020
x		101.920%	101.404%	100.934%	103.034%	102.835%	105.273%	0.000	98.877%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.519	0.315	0.182	0.283	0.710	0.532	0.000	0.219
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:14	61.235%	87.430	86.580	64.622%	101.100	102.600	97.940	100.400
2	21:33:57	62.187%	94.390	94.340	65.020%	100.600	102.400	98.500	101.000
3	21:34:40	62.521%	99.090	97.660	65.807%	99.920	101.900	98.630	101.100
x		61.981%	93.637%	92.857%	65.150%	100.523%	102.302%	98.360%	100.813%
σ		0.667%	n/a	n/a	0.603%	n/a	n/a	n/a	n/a
%RSD		1.077	6.264	6.123	0.925	0.580	0.332	0.373	0.354
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:33:14	57.139%	98.670	95.140	95.510	98.570	99.770	57.434%	57.445%
2	21:33:57	57.971%	98.530	98.910	97.270	98.560	99.300	58.450%	58.492%
3	21:34:40	58.587%	98.250	98.970	98.660	98.980	99.070	59.679%	59.138%
x		57.899%	98.483%	97.674%	97.145%	98.701%	99.377%	58.521%	58.358%
σ		0.727%	n/a	n/a	n/a	n/a	n/a	1.124%	0.854%
%RSD		1.255	0.215	2.250	1.622	0.241	0.359	1.921	1.464
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:33:14	99.360	99.670	100.200	99.990	100.200	61.245%		
2	21:33:57	99.130	99.310	99.590	99.960	99.500	62.956%		
3	21:34:40	98.360	98.190	98.300	98.340	98.570	64.240%		
x		98.948%	99.055%	99.361%	99.426%	99.414%	62.814%		
σ		n/a	n/a	n/a	n/a	n/a	1.502%		
%RSD		0.532	0.778	0.970	0.949	0.814	2.391		

CCB7 11/8/2010 9:39:45 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:28	93.246%	-0.005	2.569	2.978	0.000	-17.900	2.355	3.204
2	21:41:11	92.988%	-0.009	2.924	2.795	0.000	-15.650	6.163	6.883
3	21:41:54	94.250%	-0.001	2.632	2.481	0.000	-16.260	6.064	6.646
x		93.495%	-0.005	2.708	2.752	0.000	-16.600	4.861	5.578
σ		0.667%	0.004	0.190	0.252	0.000	1.163	2.171	2.059
%RSD		0.713	86.450	6.999	9.145	0.000	7.005	44.660	36.920

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:28	-2.926	3.273	0.000	9.911	2.350	-2.140	83.502%	-0.032
2	21:41:11	-1.764	4.456	0.000	12.280	6.951	1.205	84.266%	0.008
3	21:41:54	-1.650	5.213	0.000	11.340	2.196	1.558	84.659%	-0.043
x		-2.113	4.314	0.000	11.180	3.832	0.207	84.142%	-0.023
σ		0.706	0.977	0.000	1.194	2.702	2.041	0.588%	0.027
%RSD		33.400	22.660	0.000	10.690	70.510	984.100	0.699	117.900

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:28	-0.014	-0.022	0.132	20.810	19.290	0.000	-0.030	-0.262
2	21:41:11	0.021	-0.007	0.198	23.020	24.110	0.010	-0.045	-0.272
3	21:41:54	0.072	0.002	0.231	21.680	22.290	0.010	-0.017	-0.248
x		0.026	-0.009	0.187	21.840	21.900	0.007	-0.031	-0.261
σ		0.044	0.012	0.050	1.115	2.436	0.006	0.014	0.012
%RSD		166.500	139.600	26.880	5.104	11.130	84.980	46.990	4.698

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:28	-0.300	-0.861	-0.917	-0.356	1.011	-1.403	0.000	-0.005
2	21:41:11	-0.249	-0.872	-0.858	-0.447	0.935	-2.250	0.000	0.001
3	21:41:54	-0.274	-0.836	-0.866	-0.429	0.503	-1.903	0.000	-0.002
x		-0.274	-0.856	-0.880	-0.411	0.816	-1.852	0.000	-0.002
σ		0.026	0.019	0.032	0.048	0.274	0.426	0.000	0.003
%RSD		9.363	2.170	3.622	11.760	33.590	23.000	0.000	142.100

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:28	78.969%	2.823	2.755	92.317%	-0.001	-0.001	-0.057	-0.035
2	21:41:11	80.057%	2.802	2.880	93.204%	0.002	-0.002	-0.053	-0.025
3	21:41:54	80.462%	2.680	2.510	93.519%	0.005	-0.004	-0.083	-0.062
x		79.830%	2.769	2.715	93.013%	0.002	-0.002	-0.065	-0.041
σ		0.772%	0.077	0.188	0.624%	0.003	0.002	0.016	0.019
%RSD		0.968	2.787	6.938	0.670	164.700	73.030	25.470	47.340

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:28	79.680%	-0.438	0.365	0.382	-0.011	0.030	86.204%	85.751%
2	21:41:11	80.516%	-0.403	0.424	0.405	0.043	0.019	87.046%	87.003%
3	21:41:54	81.427%	-0.422	0.367	0.392	0.060	0.043	88.296%	87.650%
x		80.541%	-0.421	0.385	0.393	0.031	0.031	87.182%	86.801%
σ		0.874%	0.018	0.033	0.012	0.037	0.012	1.052%	0.965%
%RSD		1.085	4.162	8.681	2.986	119.900	38.320	1.207	1.112

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:28	0.037	0.038	0.059	0.047	0.056	82.005%
2	21:41:11	0.054	0.052	0.058	0.057	0.052	83.713%
3	21:41:54	0.041	0.051	0.065	0.062	0.058	84.418%
x		0.044	0.047	0.061	0.056	0.055	83.379%
σ		0.009	0.007	0.004	0.008	0.003	1.241%
%RSD		19.980	15.850	6.394	13.840	5.618	1.488

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:48	94.459%	-0.027	2.086	2.135	0.000	-22.390	-2.568	-2.586
2	21:45:31	95.364%	-0.014	2.592	1.989	0.000	-22.690	-2.536	-2.310
3	21:46:14	96.092%	-0.019	2.191	2.198	0.000	-22.410	-1.769	-1.560
x		95.305%	-0.020	2.290	2.107	0.000	-22.500	-2.291	-2.152
σ		0.818%	0.007	0.267	0.107	0.000	0.170	0.452	0.531
%RSD		0.858	33.080	11.670	5.089	0.000	0.758	19.750	24.680

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:48	-4.971	2.023	0.000	5.791	-7.163	-8.690	85.165%	-0.052
2	21:45:31	-4.784	3.011	0.000	4.479	-4.453	-7.744	86.657%	-0.103
3	21:46:14	-4.211	2.435	0.000	3.899	-8.119	-8.605	87.692%	-0.088
x		-4.655	2.490	0.000	4.723	-6.578	-8.346	86.505%	-0.081
σ		0.396	0.496	0.000	0.969	1.901	0.524	1.271%	0.026
%RSD		8.513	19.920	0.000	20.520	28.900	6.273	1.469	32.380

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:48	0.060	0.058	-0.100	32.950	34.180	-0.014	-0.033	-0.273
2	21:45:31	0.079	0.075	-0.101	22.350	22.920	-0.015	-0.040	-0.264
3	21:46:14	0.024	0.070	-0.033	16.490	15.680	-0.010	-0.037	-0.255
x		0.054	0.068	-0.078	23.930	24.260	-0.013	-0.037	-0.264
σ		0.028	0.009	0.039	8.346	9.322	0.003	0.004	0.009
%RSD		51.200	12.740	50.430	34.880	38.430	22.330	9.899	3.409

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:48	-0.249	-0.573	-0.580	-0.534	0.554	-1.959	0.000	-0.033
2	21:45:31	-0.232	-0.521	-0.535	-0.500	-0.300	-2.182	0.000	-0.033
3	21:46:14	-0.292	-0.541	-0.507	-0.362	-0.480	-1.681	0.000	-0.027
x		-0.257	-0.545	-0.541	-0.465	-0.075	-1.941	0.000	-0.031
σ		0.031	0.026	0.037	0.091	0.552	0.251	0.000	0.004
%RSD		12.020	4.859	6.889	19.630	736.400	12.940	0.000	11.300

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:48	79.915%	2.226	2.165	93.427%	-0.007	-0.006	-0.162	-0.115
2	21:45:31	82.278%	1.824	1.794	94.764%	-0.005	-0.012	-0.093	-0.060
3	21:46:14	83.204%	1.436	1.436	96.520%	-0.005	-0.011	-0.133	-0.092
x		81.799%	1.829	1.798	94.904%	-0.006	-0.010	-0.129	-0.089
σ		1.696%	0.395	0.365	1.551%	0.001	0.003	0.035	0.028
%RSD		2.073	21.600	20.280	1.635	17.560	30.130	26.710	31.540

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:48	80.788%	0.183	0.280	0.255	-0.008	-0.006	87.581%	86.904%
2	21:45:31	82.093%	0.103	0.280	0.234	-0.005	-0.022	90.105%	89.263%
3	21:46:14	83.782%	0.054	0.207	0.220	0.012	0.017	90.770%	91.473%
x		82.221%	0.113	0.255	0.237	-0.000	-0.004	89.485%	89.214%
σ		1.501%	0.065	0.042	0.018	0.011	0.020	1.683%	2.285%
%RSD		1.826	57.580	16.430	7.437	3741.000	527.800	1.880	2.561

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:48	0.024	0.026	0.003	-0.008	-0.006	88.711%
2	21:45:31	0.018	0.022	-0.004	-0.005	-0.003	89.065%
3	21:46:14	0.019	0.016	0.011	0.022	0.004	89.634%
x		0.020	0.021	0.003	0.003	-0.001	89.136%
σ		0.003	0.005	0.007	0.016	0.005	0.466%
%RSD		16.370	24.320	215.300	571.500	377.600	0.522

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:06	95.606%	-0.023	2.529	2.285	0.000	-17.270	-1.351	-1.185
2	21:49:49	96.403%	-0.019	2.369	2.194	0.000	-20.230	-1.662	-1.149
3	21:50:32	99.345%	-0.027	1.866	2.366	0.000	-22.000	-1.944	-1.571
x		97.118%	-0.023	2.254	2.282	0.000	-19.840	-1.652	-1.302
σ		1.970%	0.004	0.346	0.086	0.000	2.393	0.296	0.234
%RSD		2.028	19.370	15.340	3.779	0.000	12.060	17.930	17.980

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:06	1.273	8.729	0.000	28.290	9.094	8.762	73.780%	0.873
2	21:49:49	1.295	9.007	0.000	21.030	6.782	6.792	74.634%	1.104
3	21:50:32	1.301	9.583	0.000	17.510	8.818	9.020	74.850%	1.090
x		1.290	9.107	0.000	22.280	8.232	8.191	74.422%	1.023
σ		0.015	0.436	0.000	5.495	1.263	1.219	0.566%	0.130
%RSD		1.150	4.787	0.000	24.670	15.340	14.880	0.760	12.680

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:06	-0.012	2.774	0.048	34.700	32.870	-0.012	0.045	0.138
2	21:49:49	0.293	2.718	0.022	19.460	16.110	-0.013	0.039	0.084
3	21:50:32	0.330	2.789	0.024	13.630	10.640	-0.012	0.033	0.076
x		0.204	2.760	0.031	22.590	19.880	-0.013	0.039	0.099
σ		0.187	0.037	0.015	10.880	11.580	0.000	0.006	0.033
%RSD		91.970	1.348	46.890	48.160	58.290	3.906	15.640	33.700

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:06	0.148	7.495	7.724	0.303	-0.244	0.236	0.000	0.000
2	21:49:49	0.095	7.513	7.816	0.366	-0.496	1.285	0.000	0.004
3	21:50:32	0.152	7.556	7.992	0.238	-0.889	0.970	0.000	-0.001
x		0.132	7.521	7.844	0.302	-0.543	0.830	0.000	0.001
σ		0.032	0.031	0.136	0.064	0.325	0.538	0.000	0.003
%RSD		24.340	0.417	1.733	21.190	59.840	64.820	0.000	191.300

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:06	67.936%	3.312	3.305	72.374%	0.002	-0.001	-0.093	-0.060
2	21:49:49	69.472%	2.495	2.398	73.705%	0.001	-0.010	-0.164	-0.103
3	21:50:32	70.233%	2.090	2.029	74.353%	-0.003	-0.009	-0.227	-0.154
x		69.214%	2.632	2.577	73.477%	-0.000	-0.007	-0.162	-0.106
σ		1.170%	0.623	0.657	1.009%	0.003	0.005	0.067	0.047
%RSD		1.691	23.660	25.490	1.373	1472.000	75.960	41.650	44.570

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:06	64.089%	2.014	0.772	0.734	0.181	0.227	65.385%	65.452%
2	21:49:49	65.653%	1.647	0.523	0.500	0.361	0.210	67.130%	67.252%
3	21:50:32	66.165%	1.385	0.427	0.380	0.236	0.266	67.938%	67.647%
x		65.303%	1.682	0.574	0.538	0.259	0.234	66.818%	66.784%
σ		1.082%	0.316	0.178	0.180	0.092	0.029	1.305%	1.170%
%RSD		1.656	18.760	31.080	33.440	35.640	12.280	1.953	1.752

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:49:06	0.024	0.019	0.066	0.072	0.077	77.815%
2	21:49:49	0.030	0.020	0.072	0.054	0.076	79.994%
3	21:50:32	0.024	0.023	0.070	0.093	0.072	80.012%
x		0.026	0.021	0.070	0.073	0.075	79.274%
σ		0.003	0.002	0.003	0.020	0.003	1.264%
%RSD		13.520	9.192	4.202	26.980	3.797	1.594

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:53:26	98.847%	0.320	38730.000	37480.000	0.000	197600.000	233.800	254.800
2	21:54:09	100.084%	0.383	39090.000	37640.000	0.000	194600.000	240.000	257.100
3	21:54:52	99.109%	0.235	39300.000	37810.000	0.000	195500.000	242.800	260.100
x		99.346%	0.313	39040.000	37650.000	0.000	195900.000	238.900	257.300
σ		0.652%	0.074	286.600	165.400	0.000	1516.000	4.563	2.657
%RSD		0.656	23.690	0.734	0.439	0.000	0.774	1.910	1.033

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:53:26	62.200	7696.000	0.000	286000.000	1325.000	2325.000	67.638%	169.100
2	21:54:09	63.510	7601.000	0.000	284900.000	1342.000	2395.000	69.494%	158.100
3	21:54:52	63.350	7507.000	0.000	281100.000	1227.000	2419.000	70.308%	151.600
x		63.020	7601.000	0.000	284000.000	1298.000	2380.000	69.146%	159.600
σ		0.712	94.460	0.000	2540.000	62.060	49.190	1.368%	8.819
%RSD		1.129	1.243	0.000	0.894	4.780	2.067	1.978	5.525

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:53:26	-120.100	-365.900	26.430	69.770	66.310	0.285	4.048	349.500
2	21:54:09	-113.900	-347.400	26.410	65.630	64.030	0.279	4.120	339.800
3	21:54:52	-112.400	-341.200	25.840	62.210	58.630	0.274	4.054	332.600
x		-115.500	-351.500	26.230	65.870	62.990	0.279	4.074	340.600
σ		4.052	12.870	0.338	3.787	3.942	0.005	0.039	8.444
%RSD		3.510	3.660	1.289	5.749	6.258	1.939	0.968	2.479

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:53:26	344.300	435.400	433.300	33.360	7.644	6.673	0.000	19.340
2	21:54:09	337.300	429.500	426.600	33.120	6.210	5.381	0.000	18.980
3	21:54:52	331.200	426.000	428.100	33.670	5.501	4.573	0.000	19.000
x		337.600	430.300	429.300	33.380	6.452	5.542	0.000	19.110
σ		6.580	4.777	3.549	0.276	1.092	1.059	0.000	0.203
%RSD		1.949	1.110	0.827	0.827	16.920	19.110	0.000	1.063

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:53:26	57.349%	16790.000	16190.000	64.356%	0.026	0.053	3.802	3.009
2	21:54:09	59.967%	16880.000	16350.000	66.415%	0.029	0.053	3.227	2.612
3	21:54:52	61.457%	16840.000	16380.000	67.318%	0.017	0.045	2.883	2.303
x		59.591%	16830.000	16310.000	66.030%	0.024	0.050	3.304	2.642
σ		2.080%	45.360	101.900	1.518%	0.006	0.005	0.464	0.354
%RSD		3.490	0.269	0.625	2.299	26.160	9.193	14.050	13.390

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:53:26	53.828%	0.811	7.386	7.293	5.053	4.892	53.672%	54.237%
2	21:54:09	55.739%	0.807	7.288	7.127	5.339	4.946	56.150%	56.938%
3	21:54:52	57.141%	0.645	7.102	7.216	5.191	4.875	57.809%	58.304%
x		55.569%	0.754	7.259	7.212	5.194	4.905	55.877%	56.493%
σ		1.663%	0.095	0.144	0.083	0.143	0.037	2.082%	2.070%
%RSD		2.992	12.560	1.989	1.150	2.755	0.750	3.726	3.664

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:53:26	0.146	0.121	32.570	30.960	31.340	63.784%
2	21:54:09	0.133	0.123	32.720	31.120	31.390	67.510%
3	21:54:52	0.132	0.116	32.450	30.680	31.280	69.280%
x		0.137	0.120	32.580	30.920	31.340	66.858%
σ		0.008	0.004	0.136	0.224	0.053	2.805%
%RSD		5.848	2.947	0.419	0.725	0.168	4.196

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:46	81.814%	0.025	6828.000	6699.000	0.000	39380.000	47.840	50.230
2	21:58:29	80.917%	0.026	6963.000	6712.000	0.000	39440.000	46.770	50.130
3	21:59:12	78.871%	-0.005	6977.000	6757.000	0.000	39730.000	48.630	50.440
x		80.534%	0.015	6922.000	6723.000	0.000	39520.000	47.740	50.270
σ		1.509%	0.018	82.310	30.470	0.000	190.000	0.935	0.158
%RSD		1.873	115.800	1.189	0.453	0.000	0.481	1.959	0.314
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:46	8.903	1377.000	0.000	57410.000	287.500	547.600	65.871%	14.020
2	21:58:29	8.895	1377.000	0.000	57100.000	311.400	530.100	66.171%	13.850
3	21:59:12	8.862	1374.000	0.000	56800.000	305.200	528.300	66.026%	14.210
x		8.887	1376.000	0.000	57100.000	301.400	535.400	66.022%	14.030
σ		0.022	1.543	0.000	301.700	12.390	10.680	0.150%	0.180
%RSD		0.248	0.112	0.000	0.528	4.112	1.996	0.227	1.286
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:46	-14.150	-42.240	5.023	10.220	7.481	0.045	0.731	63.630
2	21:58:29	-13.970	-42.730	4.965	8.712	6.058	0.037	0.772	62.610
3	21:59:12	-13.580	-41.540	4.810	8.640	5.698	0.038	0.742	62.490
x		-13.900	-42.170	4.932	9.191	6.412	0.040	0.748	62.910
σ		0.293	0.596	0.110	0.892	0.943	0.004	0.021	0.626
%RSD		2.107	1.413	2.226	9.709	14.700	11.180	2.803	0.994
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:46	63.200	82.460	83.700	4.139	2.124	1.500	0.000	3.897
2	21:58:29	62.580	82.980	83.070	3.621	1.988	1.246	0.000	3.840
3	21:59:12	62.570	82.820	82.990	3.561	1.795	1.367	0.000	3.903
x		62.790	82.750	83.250	3.774	1.969	1.371	0.000	3.880
σ		0.359	0.266	0.391	0.318	0.165	0.127	0.000	0.035
%RSD		0.572	0.321	0.469	8.419	8.401	9.266	0.000	0.896
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:46	62.783%	3245.000	3164.000	66.714%	-0.009	-0.008	0.594	0.555
2	21:58:29	62.603%	3277.000	3191.000	66.852%	-0.008	-0.001	0.679	0.625
3	21:59:12	62.388%	3284.000	3214.000	66.805%	-0.008	-0.011	0.691	0.512
x		62.591%	3269.000	3190.000	66.790%	-0.008	-0.007	0.655	0.564
σ		0.198%	20.610	24.780	0.070%	0.001	0.005	0.053	0.057
%RSD		0.316	0.630	0.777	0.105	8.306	75.790	8.075	10.130
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:57:46	59.350%	-0.291	1.428	1.435	1.088	0.973	61.109%	61.651%
2	21:58:29	59.398%	-0.320	1.376	1.503	0.962	1.169	61.866%	62.348%
3	21:59:12	59.719%	-0.354	1.451	1.375	1.076	0.951	61.988%	62.317%
x		59.489%	-0.322	1.418	1.438	1.042	1.031	61.654%	62.105%
σ		0.200%	0.031	0.039	0.064	0.070	0.120	0.477%	0.394%
%RSD		0.337	9.765	2.723	4.459	6.695	11.640	0.773	0.634
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:57:46	0.021	0.028	7.043	6.794	6.907	69.500%		
2	21:58:29	0.035	0.023	7.033	6.713	6.840	71.435%		
3	21:59:12	0.025	0.028	7.121	6.715	6.816	72.537%		
x		0.027	0.026	7.066	6.740	6.854	71.157%		
σ		0.007	0.003	0.048	0.046	0.047	1.538%		
%RSD		25.640	10.930	0.683	0.685	0.689	2.161		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:07	72.770%	1.308	160.000	154.900	0.000	397.200	20720.000	21170.000
2	22:02:50	72.652%	1.270	143.800	140.600	0.000	388.400	20840.000	21220.000
3	22:03:33	73.878%	1.593	134.400	129.900	0.000	388.600	20910.000	21150.000
x		73.100%	1.390	146.100	141.800	0.000	391.400	20820.000	21180.000
σ		0.676%	0.176	12.950	12.540	0.000	5.043	95.090	38.040
%RSD		0.925	12.680	8.862	8.840	0.000	1.288	0.457	0.180

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:07	13370.000	432.700	0.000	2476.000	46930.000	47680.000	60.735%	247.000
2	22:02:50	13320.000	422.100	0.000	2437.000	46850.000	45780.000	60.712%	252.000
3	22:03:33	13180.000	416.900	0.000	2445.000	46690.000	47990.000	60.534%	248.600
x		13290.000	423.900	0.000	2453.000	46830.000	47150.000	60.661%	249.200
σ		99.680	8.014	0.000	20.760	123.600	1196.000	0.110%	2.532
%RSD		0.750	1.890	0.000	0.846	0.264	2.537	0.181	1.016

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:07	20.120	818.000	519.800	43660.000	43320.000	21.220	255.800	539.600
2	22:02:50	20.800	813.000	517.500	43580.000	43190.000	20.820	252.200	529.700
3	22:03:33	18.380	812.500	519.600	43460.000	43220.000	20.850	250.200	531.600
x		19.760	814.500	519.000	43570.000	43240.000	20.960	252.700	533.600
σ		1.245	3.077	1.254	101.700	70.530	0.221	2.827	5.283
%RSD		6.301	0.378	0.242	0.234	0.163	1.056	1.119	0.990

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:07	536.100	2652.000	2663.000	19.270	3.518	2.724	0.000	101.900
2	22:02:50	529.200	2638.000	2648.000	19.270	2.766	1.946	0.000	102.100
3	22:03:33	526.200	2643.000	2662.000	19.200	2.704	1.817	0.000	101.900
x		530.500	2644.000	2657.000	19.250	2.996	2.162	0.000	102.000
σ		5.086	6.987	8.290	0.038	0.453	0.491	0.000	0.126
%RSD		0.959	0.264	0.312	0.199	15.120	22.700	0.000	0.124

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:07	64.723%	141.600	143.500	61.388%	18.660	19.160	84.710	87.230
2	22:02:50	64.953%	100.400	102.200	61.485%	19.130	19.330	86.000	87.770
3	22:03:33	64.905%	72.340	72.890	61.299%	18.880	19.060	86.030	86.870
x		64.860%	104.800	106.200	61.391%	18.890	19.180	85.580	87.290
σ		0.122%	34.860	35.450	0.093%	0.233	0.133	0.754	0.453
%RSD		0.187	33.260	33.390	0.151	1.235	0.695	0.881	0.519

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:07	55.091%	57.240	5.095	5.148	386.600	386.200	57.897%	58.356%
2	22:02:50	55.053%	58.160	5.161	5.070	390.200	388.300	58.277%	58.843%
3	22:03:33	55.634%	57.650	5.113	4.978	384.200	383.800	58.924%	59.604%
x		55.259%	57.690	5.123	5.065	387.000	386.100	58.366%	58.935%
σ		0.325%	0.460	0.034	0.085	3.025	2.291	0.519%	0.629%
%RSD		0.589	0.797	0.667	1.685	0.782	0.594	0.889	1.067

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:07	1.861	1.868	731.000	719.200	768.200	60.795%
2	22:02:50	1.863	1.858	730.700	718.500	766.200	62.073%
3	22:03:33	1.900	1.848	731.600	717.600	768.400	62.283%
x		1.875	1.858	731.100	718.400	767.600	61.717%
σ		0.022	0.010	0.480	0.799	1.215	0.805%
%RSD		1.160	0.544	0.066	0.111	0.158	1.305

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:28	72.677%	1.444	113.500	107.400	0.000	405.900	19230.000	19460.000
2	22:07:11	72.683%	1.616	109.000	103.500	0.000	405.900	19420.000	19410.000
3	22:07:54	73.059%	1.463	106.200	101.600	0.000	409.700	19400.000	19440.000
x		72.806%	1.508	109.600	104.200	0.000	407.200	19350.000	19440.000
σ		0.219%	0.095	3.719	2.933	0.000	2.173	101.100	24.460
%RSD		0.301	6.269	3.394	2.816	0.000	0.534	0.523	0.126

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:28	13220.000	395.400	0.000	2445.000	42790.000	42740.000	60.474%	248.100
2	22:07:11	13130.000	383.700	0.000	2430.000	42720.000	45140.000	60.743%	246.800
3	22:07:54	13220.000	379.600	0.000	2437.000	43950.000	42660.000	61.286%	251.600
x		13190.000	386.200	0.000	2437.000	43150.000	43510.000	60.834%	248.800
σ		51.670	8.202	0.000	7.247	689.900	1411.000	0.414%	2.510
%RSD		0.392	2.124	0.000	0.297	1.599	3.243	0.680	1.009

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:28	19.570	931.100	487.900	43010.000	42710.000	21.850	282.100	613.200
2	22:07:11	16.540	912.000	480.100	42540.000	42170.000	21.390	278.600	598.500
3	22:07:54	19.940	918.000	480.700	42660.000	42370.000	21.410	276.100	601.300
x		18.680	920.400	482.900	42740.000	42420.000	21.550	278.900	604.300
σ		1.864	9.785	4.366	244.000	273.400	0.261	3.003	7.771
%RSD		9.979	1.063	0.904	0.571	0.645	1.211	1.076	1.286

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:28	614.100	3199.000	3211.000	26.950	3.427	1.777	0.000	103.200
2	22:07:11	601.300	3183.000	3209.000	26.460	2.627	1.791	0.000	102.900
3	22:07:54	606.100	3173.000	3194.000	26.500	2.222	3.122	0.000	103.200
x		607.200	3185.000	3205.000	26.640	2.759	2.230	0.000	103.100
σ		6.456	13.230	9.348	0.275	0.614	0.773	0.000	0.174
%RSD		1.063	0.415	0.292	1.031	22.240	34.640	0.000	0.169

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:28	64.442%	33.450	33.960	61.088%	22.260	22.800	97.360	99.150
2	22:07:11	65.442%	28.900	29.390	61.620%	22.540	23.030	96.310	98.620
3	22:07:54	66.061%	25.340	26.220	62.112%	22.490	23.170	96.900	97.920
x		65.315%	29.230	29.860	61.607%	22.430	23.000	96.860	98.560
σ		0.817%	4.062	3.894	0.512%	0.153	0.184	0.524	0.618
%RSD		1.251	13.900	13.040	0.831	0.684	0.801	0.541	0.627

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:28	54.822%	69.860	5.952	5.884	454.500	453.200	58.193%	58.632%
2	22:07:11	55.889%	69.790	5.973	5.985	454.900	451.400	59.436%	59.717%
3	22:07:54	56.315%	69.330	5.932	6.431	450.400	450.400	60.248%	60.357%
x		55.675%	69.660	5.952	6.100	453.300	451.600	59.292%	59.569%
σ		0.769%	0.287	0.020	0.291	2.522	1.411	1.035%	0.872%
%RSD		1.382	0.411	0.342	4.771	0.556	0.312	1.746	1.465

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:06:28	2.137	2.192	810.800	796.700	853.100	62.892%
2	22:07:11	2.194	2.244	816.600	799.700	857.600	63.838%
3	22:07:54	2.188	2.274	818.900	804.700	862.100	64.517%
x		2.173	2.237	815.400	800.400	857.600	63.749%
σ		0.031	0.042	4.178	4.068	4.523	0.816%
%RSD		1.419	1.855	0.512	0.508	0.527	1.280

CCV1-8 11/8/2010 10:12:57 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:39	67.617%	103.500	130.500	130.100	0.000	46500.000	45100.000	46890.000
2	22:14:22	68.159%	100.900	129.400	131.100	0.000	46330.000	45710.000	47260.000
3	22:15:05	68.654%	101.100	132.600	128.500	0.000	46240.000	45880.000	47450.000
x		68.144%	101.853%	130.843%	129.882%	0.000	92.715%	91.128%	94.402%
σ		0.519%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.761	1.407	1.236	0.998	0.000	0.290	0.907	0.598
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:39	491.800	5218.000	0.000	50480.000	48610.000	49720.000	60.913%	103.300
2	22:14:22	494.800	5257.000	0.000	50360.000	49430.000	50040.000	61.686%	101.900
3	22:15:05	500.000	5226.000	0.000	50600.000	49200.000	47760.000	62.271%	102.100
x		99.106%	104.679%	0.000	100.958%	98.158%	98.349%	61.624%	102.425%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.681%	n/a
%RSD		0.846	0.392	0.000	0.242	0.857	2.507	1.105	0.716
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:39	100.700	101.500	506.100	26520.000	25640.000	102.100	101.100	102.200
2	22:14:22	101.500	101.400	502.300	26430.000	25300.000	100.500	102.200	101.700
3	22:15:05	101.200	101.900	505.100	26730.000	25430.000	100.600	101.100	99.430
x		101.146%	101.594%	100.903%	106.234%	101.829%	101.064%	101.464%	101.097%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.425	0.258	0.394	0.575	0.669	0.929	0.623	1.449
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:39	100.400	102.200	102.900	102.400	101.600	108.300	0.000	98.120
2	22:14:22	100.400	101.100	100.500	100.800	100.400	104.700	0.000	98.120
3	22:15:05	100.500	101.600	99.740	101.100	102.300	106.600	0.000	98.470
x		100.442%	101.626%	101.047%	101.418%	101.455%	106.505%	0.000	98.239%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.022	0.581	1.633	0.880	0.920	1.695	0.000	0.208
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:39	56.691%	88.580	87.200	60.218%	100.500	102.500	98.860	100.400
2	22:14:22	57.828%	96.660	95.590	61.210%	100.100	101.900	99.040	101.300
3	22:15:05	58.554%	102.300	99.900	61.901%	100.000	102.600	98.510	100.700
x		57.691%	95.841%	94.232%	61.110%	100.193%	102.334%	98.801%	100.809%
σ		0.939%	n/a	n/a	0.846%	n/a	n/a	n/a	n/a
%RSD		1.628	7.188	6.852	1.385	0.250	0.375	0.272	0.458
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:39	53.209%	98.410	95.570	95.930	98.840	98.160	54.922%	55.129%
2	22:14:22	54.394%	98.730	98.240	97.650	99.060	97.510	55.936%	56.426%
3	22:15:05	54.953%	99.280	101.000	100.600	100.200	98.710	57.200%	57.294%
x		54.185%	98.806%	98.271%	98.073%	99.358%	98.127%	56.019%	56.283%
σ		0.890%	n/a	n/a	n/a	n/a	n/a	1.141%	1.089%
%RSD		1.643	0.444	2.767	2.425	0.717	0.616	2.037	1.936
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:13:39	96.820	97.330	97.140	97.950	97.450	61.345%		
2	22:14:22	97.040	97.110	96.340	97.450	96.990	63.031%		
3	22:15:05	96.740	96.560	96.300	95.810	96.330	64.401%		
x		96.870%	97.000%	96.594%	97.073%	96.924%	62.926%		
σ		n/a	n/a	n/a	n/a	n/a	1.531%		
%RSD		0.162	0.409	0.495	1.153	0.581	2.433		

CCB8 11/8/2010 10:20:09 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:52	86.409%	-0.013	20.740	21.170	0.000	-15.460	3.732	4.363
2	22:21:35	86.929%	0.002	19.790	20.960	0.000	-11.810	7.746	8.629
3	22:22:18	87.453%	0.006	20.700	19.360	0.000	-12.780	8.205	8.309
x		86.930%	-0.002	20.410	20.500	0.000	-13.350	6.561	7.100
σ		0.522%	0.010	0.534	0.990	0.000	1.890	2.461	2.376
%RSD		0.601	618.900	2.618	4.831	0.000	14.150	37.500	33.460
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:52	-2.454	0.995	0.000	10.930	5.079	-0.057	84.535%	-0.076
2	22:21:35	-0.411	1.394	0.000	13.330	4.912	3.657	85.574%	-0.045
3	22:22:18	-0.586	1.104	0.000	12.840	8.490	3.512	86.258%	-0.006
x		-1.150	1.164	0.000	12.370	6.160	2.371	85.456%	-0.042
σ		1.132	0.206	0.000	1.265	2.019	2.103	0.868%	0.035
%RSD		98.420	17.720	0.000	10.230	32.780	88.730	1.015	83.330
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:52	0.007	-0.206	0.051	11.930	15.620	0.002	-0.015	-0.263
2	22:21:35	-0.040	-0.194	0.198	15.010	18.360	0.016	-0.037	-0.280
3	22:22:18	-0.003	-0.176	0.177	13.810	17.730	0.016	-0.007	-0.261
x		-0.012	-0.192	0.142	13.580	17.240	0.011	-0.020	-0.268
σ		0.025	0.015	0.080	1.553	1.435	0.008	0.015	0.010
%RSD		205.100	7.964	55.930	11.440	8.326	69.900	76.930	3.798
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:52	-0.267	-0.782	-0.808	-0.480	-0.209	-2.473	0.000	-0.004
2	22:21:35	-0.280	-0.700	-0.809	-0.546	-0.386	-2.641	0.000	0.006
3	22:22:18	-0.234	-0.726	-0.794	-0.509	-0.713	-2.589	0.000	0.016
x		-0.261	-0.736	-0.803	-0.512	-0.436	-2.567	0.000	0.006
σ		0.024	0.042	0.009	0.033	0.255	0.086	0.000	0.010
%RSD		9.072	5.723	1.071	6.446	58.600	3.358	0.000	174.100
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:52	83.921%	4.311	4.189	91.038%	-0.002	0.003	-0.076	-0.043
2	22:21:35	85.092%	4.196	4.070	92.122%	0.003	-0.002	-0.123	-0.083
3	22:22:18	86.017%	3.787	3.938	92.636%	0.005	-0.006	-0.125	-0.079
x		85.010%	4.098	4.066	91.932%	0.002	-0.001	-0.108	-0.068
σ		1.050%	0.276	0.126	0.816%	0.004	0.004	0.027	0.022
%RSD		1.235	6.726	3.098	0.887	161.800	287.300	25.490	32.060
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:52	80.960%	-0.455	0.289	0.299	0.008	0.008	82.739%	83.412%
2	22:21:35	81.727%	-0.453	0.267	0.270	0.022	0.061	84.637%	84.689%
3	22:22:18	82.799%	-0.477	0.261	0.253	0.025	0.043	84.923%	85.229%
x		81.829%	-0.462	0.272	0.274	0.018	0.037	84.100%	84.443%
σ		0.924%	0.013	0.015	0.023	0.009	0.027	1.187%	0.933%
%RSD		1.129	2.857	5.391	8.462	48.930	71.890	1.411	1.105
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:20:52	0.012	0.013	0.015	0.007	0.010	84.826%		
2	22:21:35	0.014	0.016	0.026	0.010	0.019	86.928%		
3	22:22:18	0.014	0.015	0.019	0.018	0.018	87.860%		
x		0.013	0.015	0.020	0.012	0.016	86.538%		
σ		0.001	0.002	0.006	0.006	0.005	1.554%		
%RSD		7.859	10.290	27.810	47.170	30.420	1.796		

TestAmerica Pittsburgh Atomic Absorption Data for Mercury

Instrument: HG HYDRA AA
PS200HG

Analyst Name: William A Hyle

Analysis Date: 11-8-10

File ID: G0108A

Matrix: Soil

Analytical Method(s): 245.1 / 7470A / 245.5 / 7471A / ILM04.0

Lot Number/SDG

C0J190510	D,O,D	
C0J210473	↓	
C0J140521	SED.	
C0J150467		
C0J270573		
C0J300427		
C0J210496	↓	
C0J230441		
C0J250457		
C0J280479		
↓	562	
↓	567	
C0K020543		
C0K040512		
C0K060457		
C0J270559		
C0K040543		

William a Hoyle
11-8-10

TEST2 Folder: G01108A Page 2565
08:01:27 08 Nov 2010 Protocol: hgppb

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 2 08:01:27 08 Nov 10 HG

Hg .000 ppb 294

*** Standard: 2 Rep: 1 Seq: 3 08:03:14 08 Nov 10 HG

Hg .200 ppb 1113 MET5961-10

*** Standard: 3 Rep: 1 Seq: 4 08:04:52 08 Nov 10 HG

Hg .500 ppb 2442 MET5962-10

*** Standard: 4 Rep: 1 Seq: 5 08:06:35 08 Nov 10 HG

Hg 1.00 ppb 4652 MET5963-10

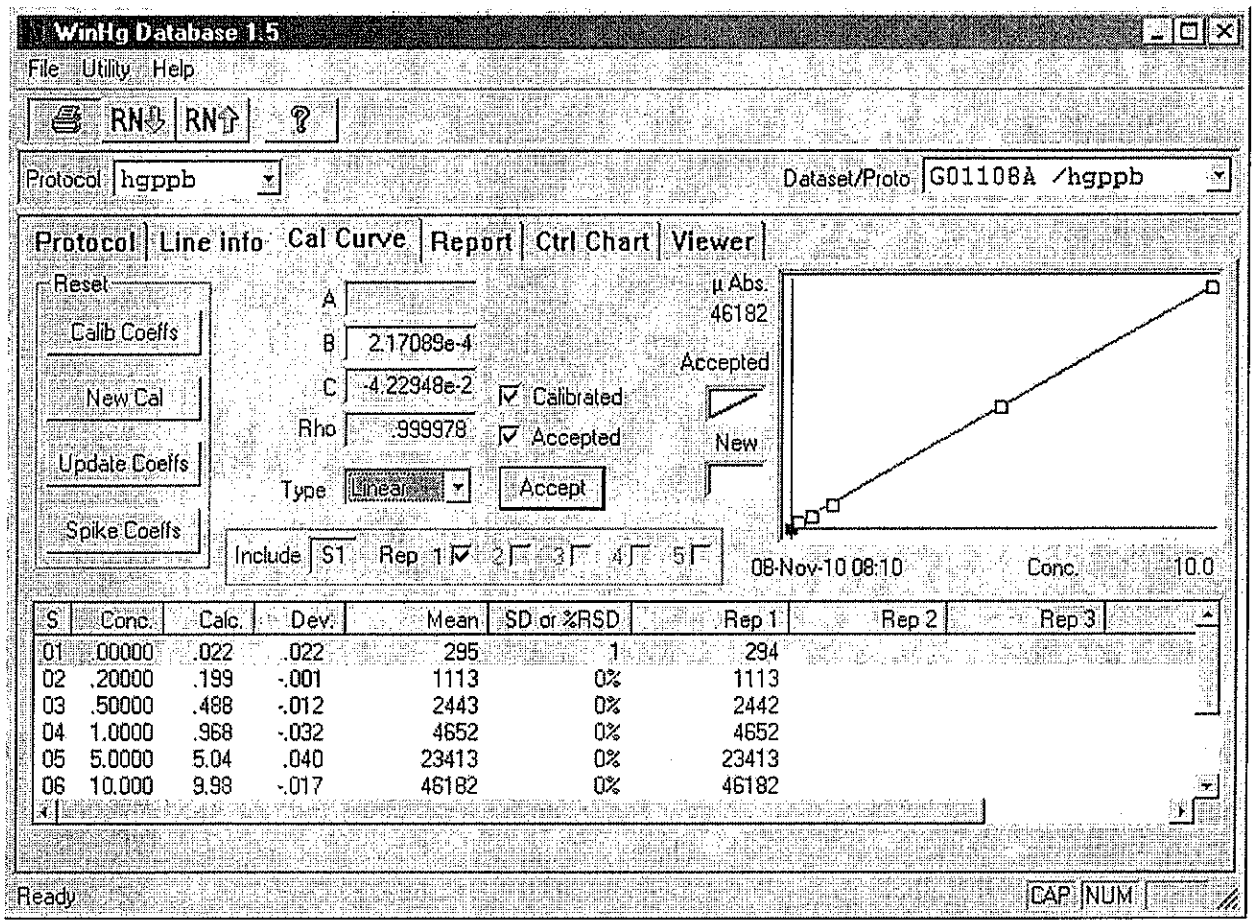
*** Standard: 5 Rep: 1 Seq: 6 08:08:25 08 Nov 10 HG

Hg 5.00 ppb 23413 MET5964-10

*** Standard: 6 Rep: 1 Seq: 7 08:10:04 08 Nov 10 HG

Hg 10.0 ppb 46182 MET5965-10

william a Hayle
11-8-10



William a Hoyle
11-8-10

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: ICV6-1 Seq: 8 08:13:18 08 Nov 10 HG

Hg 2.55 ppb 11923 MET5966-10

*** Sample ID: ICB1 Seq: 9 08:14:57 08 Nov 10 HG

Hg .010 ppb 243

*** Sample ID: CRA/RLV Seq: 10 08:16:55 08 Nov 10 HG

Hg .217 ppb 1194 MET5967-10

*** Sample ID: CCV6-1 Seq: 11 08:18:46 08 Nov 10 HG

Hg 4.94 ppb 22958 MET5968-10

*** Sample ID: CCB1 Seq: 12 08:20:23 08 Nov 10 HG

Hg .002 ppb 206

*** Sample ID: L9NQ9B Seq: 13 08:22:00 08 Nov 10 HG

Hg .011 ppb 246

*** Sample ID: L9NQ9C Seq: 14 08:23:36 08 Nov 10 HG

Hg 2.46 ppb 11525 MET5969-10

*** Sample ID: L8P5N Seq: 15 08:25:16 08 Nov 10 HG

Hg .191 ppb 1076

*** Sample ID: L8P7N Seq: 16 08:26:53 08 Nov 10 HG

Hg .178 ppb 1016

*** Sample ID: L8P7Q Seq: 17 08:28:30 08 Nov 10 HG

Hg .393 ppb 2007

*** Sample ID: L8P7T Seq: 18 08:30:14 08 Nov 10 HG

Hg .209 ppb 1156

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: L8P7X			Seq: 19	08:31:56 08 Nov 10	HG			
Hg	.218	ppb	1197					
*** Sample ID: L8P70			Seq: 20	08:33:35 08 Nov 10	HG			
Hg	.126	ppb	773					
*** Sample ID: L8VE0			Seq: 21	08:35:33 08 Nov 10	HG			
Hg	.251	ppb	1349					
*** Sample ID: L8VE2			Seq: 22	08:37:13 08 Nov 10	HG			
Hg	.671	ppb	3284					
*** Sample ID: CCV6-2			Seq: 23	08:38:50 08 Nov 10	HG			
Hg	4.86	ppb	22584					
*** Sample ID: CCB2			Seq: 24	08:40:30 08 Nov 10	HG			
Hg	.009	ppb	235					
*** Sample ID: L8VE3			Seq: 25	08:42:29 08 Nov 10	HG			
Hg	5.49	ppb	25484					
*** Sample ID: L8VE3S			Seq: 26	08:44:06 08 Nov 10	HG			
Hg	5.11	ppb	23720					
*** Sample ID: L8VE3D			Seq: 27	08:45:46 08 Nov 10	HG			
Hg	3.73	ppb	17374					
*** Sample ID: L8VE6			Seq: 28	08:47:34 08 Nov 10	HG			
Hg	2.01	ppb	9450					
*** Sample ID: L8VFD			Seq: 29	08:49:14 08 Nov 10	HG			
Hg	18.9	ppb	87094					

NC: SAMPLE CONC. WAS 74X SPIKE ADDED WAH 11-8-10

NC: SAMPLE CONC. WAS 74X SPIKE ADDED WAH 11-8-10

VOID

VOID OVER RANGE WILL RERUN FURTHER IN RUN WAH 11-8-10

Line Conc. Units SD/RSD 1 2 3 4 5

*** Sample ID: L8VFF Seq: 30 08:51:11 08 Nov 10 HG

Hg 1.21 ppb 5791

*** Sample ID: L8VFL Seq: 31 08:52:48 08 Nov 10 HG

Hg 1.78 ppb 8395

*** Sample ID: L9NRFB Seq: 32 08:54:24 08 Nov 10 HG

Hg -.008 ppb 158

*** Sample ID: L9NRFC Seq: 33 08:56:03 08 Nov 10 HG

Hg 2.43 ppb 11405 MET5970-10

*** Sample ID: L8GPF Seq: 34 08:57:41 08 Nov 10 HG

Hg .638 ppb 3136

*** Sample ID: CCV6-3 Seq: 35 08:59:18 08 Nov 10 HG

Hg 4.94 ppb 22972

*** Sample ID: CCB3 Seq: 36 09:00:56 08 Nov 10 HG

Hg -.001 ppb 189

*** Sample ID: L8GPFS Seq: 37 09:02:45 08 Nov 10 HG SP.REC, 98%

Hg 1.62 ppb 7679

*** Sample ID: L8GPFD Seq: 38 09:04:32 08 Nov 10 HG SP.REC, 97%

Hg 1.61 ppb 7627

*** Sample ID: L8GPV Seq: 39 09:06:22 08 Nov 10 HG

Hg .642 ppb 3151

*** Sample ID: L8GPW Seq: 40 09:08:10 08 Nov 10 HG

Hg .679 ppb 3321

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: L8GPX Seq: 41 09:09:59 08 Nov 10 HG

Hg .595 ppb 2937

*** Sample ID: L8VP0 G WAH 11-8-10 Seq: 42 09:11:39 08 Nov 10 HG

Hg .463 ppb 2328

*** Sample ID: L8GP1 Seq: 43 09:13:26 08 Nov 10 HG

Hg .578 ppb 2859

*** Sample ID: L8GP3 Seq: 44 09:15:15 08 Nov 10 HG

Hg .401 ppb 2040

*** Sample ID: L8JE3 Seq: 45 09:16:52 08 Nov 10 HG

Hg .367 ppb 1885

*** Sample ID: L8JFD Seq: 46 09:18:32 08 Nov 10 HG

Hg .238 ppb 1291

*** Sample ID: CCV6-4 Seq: 47 09:20:12 08 Nov 10 HG

Hg 4.92 ppb 22871

*** Sample ID: CCB4 Seq: 48 09:22:02 08 Nov 10 HG

Hg .000 ppb 197

*** Sample ID: L8678 Seq: 49 09:23:54 08 Nov 10 HG

Hg .558 ppb 2766

*** Sample ID: L868A Seq: 50 09:25:31 08 Nov 10 HG

Hg .312 ppb 1630

*** Sample ID: L868C Seq: 51 09:27:12 08 Nov 10 HG

Hg .338 ppb 1754

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: L9CXJ Seq: 52 09:29:04 08 Nov 10 HG

Hg 5.93 ppb 27505

*** Sample ID: L9CXK Seq: 53 09:30:52 08 Nov 10 HG

Hg 7.57 ppb 35071

*** Sample ID: L8VKP Seq: 54 09:32:30 08 Nov 10 HG

Hg -.003 ppb 179

*** Sample ID: L8VKW Seq: 55 09:34:20 08 Nov 10 HG

Hg .316 ppb 1650

*** Sample ID: L8VK8 Seq: 56 09:35:58 08 Nov 10 HG

Hg .463 ppb 2329

*** Sample ID: L8VLA Seq: 57 09:37:46 08 Nov 10 HG

Hg .597 ppb 2947

*** Sample ID: L8VLH Seq: 58 09:39:43 08 Nov 10 HG

Hg .442 ppb 2229

*** Sample ID: CCV6-5 Seq: 59 09:41:36 08 Nov 10 HG

Hg 5.06 ppb 23514

*** Sample ID: CCB5 Seq: 60 09:43:15 08 Nov 10 HG

Hg .008 ppb 232

*** Sample ID: L8VLJ Seq: 61 09:44:54 08 Nov 10 HG

Hg .518 ppb 2582

*** Sample ID: L9NRHB Seq: 62 09:46:37 08 Nov 10 HG

Hg .014 ppb 260

Line Conc. Units SD/RSD 1 2 3 4 5

*** Sample ID: L9NRHC Seq: 63 09:48:31 08 Nov 10 HG

Hg 2.51 ppb 11768 met5971-10

*** Sample ID: L81WR Seq: 64 09:50:10 08 Nov 10 HG

Hg 1.11 ppb 5325

*** Sample ID: L8241 Seq: 65 09:51:50 08 Nov 10 HG

Hg 3.07 ppb 14321

*** Sample ID: L8243 Seq: 66 09:53:31 08 Nov 10 HG

Hg 7.58 ppb 35098

*** Sample ID: L8244 Seq: 67 09:55:08 08 Nov 10 HG

Hg .279 ppb 1479

*** Sample ID: L88K5 Seq: 68 09:56:48 08 Nov 10 HG

Hg 1.78 ppb 8407

*** Sample ID: L88K5S Seq: 69 09:58:26 08 Nov 10 HG SP. REC. 125%

Hg 3.03 ppb 14167

*** Sample ID: L88K5D Seq: 70 10:00:15 08 Nov 10 HG SP. REC. 109%

Hg 2.87 ppb 13428

*** Sample ID: CCV6-6 Seq: 71 10:01:55 08 Nov 10 HG

Hg 5.05 ppb 23474

*** Sample ID: CCB6 Seq: 72 10:03:46 08 Nov 10 HG

Hg .002 ppb 205

*** Sample ID: L89DC Seq: 73 10:05:29 08 Nov 10 HG

Hg .037 ppb 364

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: L89DX Seq: 74 10:07:30 08 Nov 10 HG

Hg .116 ppb 729

*** Sample ID: L9F3E Seq: 75 10:09:09 08 Nov 10 HG

Hg .020 ppb 287

*** Sample ID: L9JQ1 Seq: 76 10:10:48 08 Nov 10 HG

Hg .458 ppb 2306

*** Sample ID: L9NDK Seq: 77 10:12:36 08 Nov 10 HG

Hg .132 ppb 803

*** Sample ID: L862Q Seq: 78 10:14:14 08 Nov 10 HG

Hg .026 ppb 316

*** Sample ID: L8628 Seq: 79 10:16:04 08 Nov 10 HG

Hg .016 ppb 267

*** Sample ID: L9J33 Seq: 80 10:17:42 08 Nov 10 HG

Hg .019 ppb 282

*** Sample ID: L8VFD/5 Seq: 81 10:19:21 08 Nov 10 HG

Hg 4.02 ppb 18731

*** Sample ID: CCV6-7 Seq: 82 10:21:02 08 Nov 10 HG

Hg 5.00 ppb 23222

*** Sample ID: CCB7 Seq: 83 10:22:41 08 Nov 10 HG

Hg .008 ppb 231

END OF ANALYSIS
WAH
11-8-10

William a Hoyle
11-8-10

cup	sample ID	extended ID	weight	volume	? A D F P S U SC UI US C1..7
1	ICV6-1		1.0000	1.0000	
2	ICB1		1.0000	1.0000	
3	CRA/RLV		1.0000	1.0000	
4	CCV6-1		1.0000	1.0000	
5	CCB1		1.0000	1.0000	
6	L9NQ9B		1.0000	1.0000	
7	L9NQ9C		1.0000	1.0000	
8	L8P5N		1.0000	1.0000	
9	L8P7N		1.0000	1.0000	
10	L8P7Q		1.0000	1.0000	
11	L8P7T		1.0000	1.0000	
12	L8P7X		1.0000	1.0000	
13	L8P70		1.0000	1.0000	
14	L8VE0		1.0000	1.0000	
15	L8VE2		1.0000	1.0000	
16	CCV6-2		1.0000	1.0000	
17	CCB2		1.0000	1.0000	
18	L8VE3		1.0000	1.0000	
19	L8VE3S		1.0000	1.0000	
20	L8VE3D		1.0000	1.0000	
21	L8VE6		1.0000	1.0000	
22	L8VFD		1.0000	1.0000	
23	L8VFF		1.0000	1.0000	
24	L8VFL		1.0000	1.0000	
25	L9NRFB		1.0000	1.0000	
26	L9NRFC		1.0000	1.0000	
27	L8GPF		1.0000	1.0000	
28	CCV6-3		1.0000	1.0000	
29	CCB3		1.0000	1.0000	
30	L8GPFS		1.0000	1.0000	
31	L8GPFD		1.0000	1.0000	
32	L8GPV		1.0000	1.0000	
33	L8GPW		1.0000	1.0000	
34	L8GPX WAH 11-8-10		1.0000	1.0000	
35	L8VP0		1.0000	1.0000	
36	L8GP1		1.0000	1.0000	
37	L8GP3		1.0000	1.0000	
38	L8JE3		1.0000	1.0000	
39	L8JFD		1.0000	1.0000	
40	CCV6-4		1.0000	1.0000	
41	CCB4		1.0000	1.0000	
42	L8678		1.0000	1.0000	
43	L868A		1.0000	1.0000	

cup	sample ID	extended ID	weight	volume	? A D F P S U SC UI US C1..7
44	L868C		1.0000	1.0000	

cup	sample ID	extended ID	weight	volume	? A D F P S U SC UI US C1..7
1	L9CXJ		1.0000	1.0000	
2	L9CXK		1.0000	1.0000	
3	L8VKP		1.0000	1.0000	
4	L8VKW		1.0000	1.0000	
5	L8VK8		1.0000	1.0000	
6	L8VLA		1.0000	1.0000	
7	L8VLH		1.0000	1.0000	
8	CCV6-5		1.0000	1.0000	
9	CCB5		1.0000	1.0000	
10	L8VLJ		1.0000	1.0000	
11	L9NRHB		1.0000	1.0000	
12	L9NRHC		1.0000	1.0000	
13	L81WR		1.0000	1.0000	
14	L8241		1.0000	1.0000	
15	L8243		1.0000	1.0000	
16	L8244		1.0000	1.0000	
17	L88K5		1.0000	1.0000	
18	L88K5S		1.0000	1.0000	
19	L88K5D		1.0000	1.0000	
20	CCV6-6		1.0000	1.0000	
21	CCB6		1.0000	1.0000	
22	L89DC		1.0000	1.0000	
23	L89DX		1.0000	1.0000	
24	L9F3E		1.0000	1.0000	
25	L9JQ1		1.0000	1.0000	
26	L9NDK		1.0000	1.0000	
27	L862Q		1.0000	1.0000	
28	L8628		1.0000	1.0000	
29	L9J33		1.0000	1.0000	
30	L8VFD/5		1.0000	1.0000	
31	CCV6-7		1.0000	1.0000	
32	CCB7		1.0000	1.0000	
33			1.0000	1.0000	
34			1.0000	1.0000	
35			1.0000	1.0000	
36			1.0000	1.0000	
37			1.0000	1.0000	
38			1.0000	1.0000	
39			1.0000	1.0000	
40			1.0000	1.0000	
41			1.0000	1.0000	
42			1.0000	1.0000	
43			1.0000	1.0000	

TestAMERICA Pittsburgh ~~Metals~~ Mercury Preparation Log

Batch No. 0312032

Page 1 of 1

11-8-10 v1.0.5 - Last Revised 12/30/2005

Method 7471A	**Matrix** Solid	**Start Time** 0500-0700	**SDG** -
Analyst william hoyle	**Date** 11-08-10	**Lot Numbers** C0J190510, C0J210473	
MS Hg Working CAL			
Lab Lot # -MET5959-10			
Analyst Sign: William a Hoyle			

Sample ID	Initial Wt/Vol g/mL	Final Vol mL	Comments
L8P5N	1.23g	100ml	
L8P70	1.27g		
L8P7N	1.20g		
L8P7Q	1.23g		
L8P7T	1.22g		WAH 11-8-10
L8P7X	1.26g		
L8VE0	1.22g		
L8VE2	1.27g		
L8VE3	1.21g		
L8VE3 S	1.24g		1ml MET5959-10
L8VE3 D	1.22g		
L8VE6	1.22g		
L8VFD	1.26g		
L8VFF	1.23g		WAH 11-8-10
L8VFL	1.24g		
L9NQ9 B	1.27g DI H2O		
L9NQ9 C	100ml		MET5969-10
			WAH 11-8-10

SAMPLE CODING: B-Blank C-Check L-Check Duplicate S-Matrix Spike D-Matrix Spike Duplicate X-Sample Duplicate

NOTE: Samples marked with an asterisk (*) required filtration after digestion and prior to analysis

Samples marked with a plus sign (+) required additional Conc.HNO3 in digestion process, brown fumes were observed

Reagents:

5.0ml H2SO4, J09F01, Mallinckrodt
5.0ml KMnO4, MET5917-10, Stnds. Log
8.0ml K2S2O4, MET5896-10, Stnds. Log
6.0ml Clear. Sol., MET5897-10, Stnds. Log
Stannous Chloride, MET 5772-10, Stnds. Log
2.0ml HNO3, J11045, Mallinckrodt

Hot Plate/Block Temp	Correction Factor
# 2 95°C	TP30 0.0°C
WAH 11-8-10	

Minimum digestion times have been met (analyst initials): WAH 11-8-10

Digestate(s)	Date	Time	(Received)	Analyst	Location	Date	Time	(Relinquished)	Analyst	Location
			WAH 11-8-10							

	Lot Number	Manufacturer	
Initial Digestion Vessel:	1005282	Env. Express	**Pipet #:** G10008
Final Digestion Vessel:	n/a	n/a	**Balance #:** P1856709
Filter Paper:	390592 B	Whatman	Printed on: 08-Nov-10 6:36:37 AM

C0J210496 3188 (3001-3194)

Reviewed By: [signature] Date: 11/8/10

MET-159-0312032

TestAMERICA Pittsburgh — MERCURY Metals Preparation Log

Batch No. 0312033

WAH 11-8-10 v1.0.5 - Last Revised 12/30/2005

Method 7471A	**Matrix** Solid	**Start Time** 0500-0700	**SDG** -
Analyst william hoyle	**Date** 11-08-10	**Lot Numbers**	
MS Hg Working CAL		C0J140521, C0J150467, C0J210496, C0J270573, C0J300427	
Lab Lot # -MET5959-10			
Analyst Sign: William A Hoyle			

Sample ID	Initial Wt/Vol g/mL	Final Vol mL	Comments
L8678	1.20g	100ml	
L868A			
L868C			
L8GP0			WAH 11-8-10
L8GP1			
L8GP3			
L8GPF			
L8GPF S			1ml MET 5959-10
L8GPF D			↓
L8GPV			
L8GPW			
L8GPX			
L8JE3			
L8JFD			
L8VK8			
L8VKP			WAH 11-8-10
L8VKW			
L8VLA			
L8VLH			
L8VLJ			
L9CXJ			
L9CXK	↓		
L9NRF B	1.20g DIH20		
L9NRF C	100ml	↓	MET 5970-10
			WAH 11-8-10

SAMPLE CODING: B-Blank C-Check L-Check Duplicate S-Matrix Spike D-Matrix Spike Duplicate X-Sample Duplicate

NOTE: Samples marked with an asterisk (*) required filtration after digestion and prior to analysis
Samples marked with a plus sign (+) required additional Conc.HNO3 in digestion process, brown fumes were observed

Reagents:
5.0ml H2SO4, J09F01, Mallinckrodt
5.0ml KMnO4, MET5917-10, Stnds. Log
8.0ml K2S2O4, MET5896-10, Stnds. Log
6.0ml Clear. Sol., MET5897-10, Stnds. Log
Stannous Chloride, MET 5772-10, Stnds. Log
2.0ml HNO3, J11045, Mallinckrodt

Hot Plate/Block Temp	Correction Factor
#3 95°C	IP31 0.0°C
WAH 11-8-10	

Minimum digestion times have been met (analyst initials):

Digestate(s)	Date	Time	(Received)	Analyst	Location	Date	Time	(Relinquished)	Analyst	Location
			WAH 11-8-10							

	Lot Number	Manufacturer	Pipet #: G10008
Initial Digestion Vessel:	1005282	Env. Express	**Balance #:** P1856709
Final Digestion Vessel:	n/a	n/a	Printed on: 08-Nov-10 6:37:06 AM
Filter Paper:	390592 B	Whatman	

C0J210496 3189 (3001-3194)

Reviewed By: [signature] Date: 11/9/10

MET-159-0312033

TestAmerica Pittsburgh ~~Metals~~ MERCURY Preparation Log

WAH 11-8-10

Batch No. 0312034

v1.0.5 - Last Revised 12/30/2005

Method 7471A	**Matrix** Waste	**Start Time** 0500-0700	**SDG** -
Analyst william hoyle	**Date** 11-08-10	**Lot Numbers** C0J230441, C0J250457, C0J270559, C0J280479, C0J280562, C0J280567, C0K020543, C0K040512, C0K040543, C0K060457	
MS Hg Working CAL			
Lab Lot # -MET5959-10			
Analyst Sign: William a Hoyle			

Sample ID	Initial Wt/Vol g/mL	Final Vol mL	Comments
L81WR	0.6g	100ml	
L8241			
L8243			
L8244			WAH 11-8-10
L8628			
L862Q			
L88K5			
L88K5 S			1ml MET5959-10
L88K5 D			
L89DC			
L89DX			
L9F3E			
L9J33			WAH 11-8-10
L9JQ1			
L9NDK			
L9NRH B	0.6g DI H2O		
L9NRH C	100ml		MET5971-10
			WAH 11-8-10

SAMPLE CODING: B-Blank C-Check L-Check Duplicate S-Matrix Spike D-Matrix Spike Duplicate X-Sample Duplicate

NOTE: Samples marked with an asterisk (*) required filtration after digestion and prior to analysis
Samples marked with a plus sign (+) required additional Conc.HNO3 in digestion process, brown fumes were observed

Reagents:
5.0ml H2SO4, J09F01, Mallinckrodt
5.0ml KMnO4, MET5917-10, Stnds. Log
8.0ml K2S2O4, MET5896-10, Stnds. Log
6.0ml Clear. Sol., MET5897-10, Stnds. Log
Stannous Chloride, MET 5772-10, Stnds. Log
2.0ml HNO3, J11045, Mallinckrodt

Hot Plate/Block Temp	Correction Factor
#4 95°C	J293 0.0°C
WAH 11-8-10	

Minimum digestion times have been met (analyst initials):

Digestate(s)	Date	Time	(Received)	Analyst	Location	Date	Time	(Relinquished)	Analyst	Location
			WAH 11-8-10							

	Lot Number	Manufacturer	Pipet #: G10008
Initial Digestion Vessel:	1005282	Env. Express	**Balance #:** P1856709
Final Digestion Vessel:	n/a	n/a	Printed on: 08-Nov-10 6:37:32 AM
Filter Paper:	390592 B	Whatman	

C0J210496

3190

(3001-3194)

Reviewed By: [signature] Date: 11/8/10

MET-159-0312034

TestAmerica tsburgh

Mercury Digestion Log v2 8/11/06

Method(s) 747/A

Logbook ID: MT3

Digestion Start Time: 05:00	Digestion End Time: 07:00	Filter Paper Manufacturer / Lot#:	Balance ID: P1856709

	Sample ID	Batch	Date Received	Prep Date	Prepared by	Wt/ Volume	Sample Type	Run Date	Comments
1.	STD0	N/A	N/A	11-8-10	WAH	100ml	WATER	11-8-10	N/A
2.	STD1								MET 5961-10
3.	STD2								5962-10
4.	STD3								5963-10
5.	STD4								5964-10
6.	STD5								5965-10
7.	ICV								5966-10
8.	ICB								N/A
9.	CRA/RLV								MET 5967-10
10.	CCV								5968-10
11.	CCB								N/A
12.									
13.									
14.									
15.									
16.									
17.									
18.									
19.					WAH	11-8-10			
20.									
21.									
22.									
23.									
24.									
25.									

Reagents	Volume (mL)	Reference Number	
HNO3	2.0ml	MALLINCKRODT	J11045
H2SO4	5.0ml	↓	J09F01
KMNO4	5.0ml	MET 5917-10	
K2S2O4	8.0ml	5896-10	
NaCL NH2OH Additional volumes indicated per sample as necessary	6.0ml	5897-10	
Stannous Chloride	N/A	5772-10	

Hot Block Number: # 1 IP29 CF 0.0°C

Hot Block Temperature: 95°C

Waterbath temperature:

Thermometer ID:

Extract(s) (record line # from above)	Date	Time	Extract(s) Received	Analyst	Location	Date	Time	Extract(s) Relinquished	Analyst	Location
			WAH 11-8-10							

(3001-3194)

3191

C0J210496

TestAmerica Pittsburgh *Metals Preparation Log*

Batch No. 0309374

v1.0.5 - Last Revised 12/30/2005

Method 6020 Soil	**Matrix** Solid	**Start Time** 1625	**SDG** -
Analyst Jessica Ryan	**Date** 11-05-10	**Lot Numbers**	
MS TAPITT-MS-A, TAPITT-MS-C, TAPITT-MS-ICPMS		C0J210496, C0J290519, C0J300410, C0J300427	
Lab Lot # MET 5100-10, MET 4267-10, MET 5213-10			
Analyst Sign: Jessica Ryan			

Sample ID	Initial Wt/Vol g/mL	Final Vol mL	Comments
L8VK8	2.08 g	100mL	
L8VKP	↓	↓	
L8VKW	2.25 g		
L8VLA	2.47 g		11/5/10 JR
L8VLH	2.08 g		
L8VLJ	1.97 g		
L9A0J	1.95 g		
L9A0J S	2.12 g		+1.0mL MS-A, MS-C, MS-ICPMS
L9A0J D	1.96 g		
L9CR2	2.17 g		
L9CT3	2.13 g		
L9CXJ	2.07 g		11/5/10 JR
L9CXK	2.46 g		
L9MM9 B	2.53 g (ml)		
L9MM9 C	2.04 g ↓	↓	+1.0mL MS-A, MS-C, MS-ICPMS
			11/5/10 JR

SAMPLE CODING: B-Blank C-Check L-Check Duplicate S-Matrix Spike D-Matrix Spike Duplicate X-Sample Duplicate

NOTE: Samples marked with an asterisk (*) required filtration after digestion and prior to analysis
Samples marked with a plus sign (+) required additional Conc.HNO3 in digestion process, brown fumes were observed

Reagents: 5 ml Optima Conc HNO3, 6901 J08N54, JT Baker
10 ml 1:1 Optima HNO3, MET 5893-10, Stds. Log
10ml Opt. Conc. HCl, V078 J17N63, Mallinckrodt
10 ml 30% H2O2, 3408 J15A02, Mallinckrodt

Minimum digestion times have been met (analyst initials): JR

Hot Plate/Block Temp	Correction Factor
#10/ 92°C	-1.0°C

Digestate(s)	Date	Time	(Received)	Analyst	Location	Date	Time	(Relinquished)	Analyst	Location
All Above	11/5/10	1955		JR	PREP	11/5/10	2015		JR	B8
All Above	11-8-10	1320		WRE	B8	11-8-10	1825		WRE	B8

	Lot Number	Manufacturer	Pipet #: 03F95602
Initial Digestion Vessel:	1007292	Environmental Express	**Balance #:** P1856710
Final Digestion Vessel:	100911	Corning	Printed on: 05-Nov-10 6:18:11 PM
Filter Paper:	0390592B	Whatman	

Reviewed By: [signature] **Date:** 11-6-10 **MET-159-0309374**

REQUESTED BY: **RYANJ**

METHOD: MH Inductively Coupled Plasma Mass Spectrometry(6020)

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD
12B	L8VKP	___ ___ ___	911132	356280	A-46-MH	C0J210496	001		SOLID	1	1
12B	L8VKW	___ ___ ___	911133	356280	A-46-MH	C0J210496	002		SOLID	1	1
12B	L8VK8	___ ___ ___	911134	356280	A-46-MH	C0J210496	003		SOLID	1	1
12B	L8VLA	___ ___ ___	911135	356280	A-46-MH	C0J210496	004		SOLID	2	1
12B	L8VLH	___ ___ ___	911136	356280	A-46-MH	C0J210496	005		SOLID	2	1
12B	L8VLJ	___ ___ ___	911137	356280	A-46-MH	C0J210496	006		SOLID	2	1
19D	L9A0J	___ ___ ___	911138	339021	A-46-MH	C0J290519	001		SOLID	8	1
20B	L9CR2	___ ___ ___	911139	435048	A-46-MH	C0J300410	001		SOLID	12	1
20B	L9CT3	___ ___ ___	911140	435048	A-46-MH	C0J300410	002		SOLID	9	1
20D	L9CXJ	___ ___ ___	911141	001863	A-46-MH	C0J300427	001		SOLID	2	1
20D	L9CXK	___ ___ ___	911142	001863	A-46-MH	C0J300427	002		SOLID	1	1

RELINQUISHED BY	RECEIVED BY	DATE/TIME
Jessica Reyn	Jessica Reyn	11/5/10 1420
Jessica Reyn	Jessica Reyn	11/5/10 1632

***** END OF REPORT *****

REQUESTED BY: **HOYLEW**

METHOD: 09 Mercury (7471A, Cold Vapor) - Solids

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD
12B	L8VKP	___ ___ ___	911017	356280	A-70-09	C0J210496	001		SOLID	0	1 1
12B	L8VKW	___ ___ ___	911018	356280	A-70-09	C0J210496	002		SOLID	0	1 1
12B	L8VK8	___ ___ ___	911019	356280	A-70-09	C0J210496	003		SOLID	0	1 1
12B	L8VLA	___ ___ ___	911020	356280	A-70-09	C0J210496	004		SOLID	0	2 1
12B	L8VLH	___ ___ ___	911021	356280	A-70-09	C0J210496	005		SOLID	0	2 1
12B	L8VLJ	___ ___ ___	911022	356280	A-70-09	C0J210496	006		SOLID	0	2 1
14A CLP1 OUT	L81WR	___ ___ ___	911023	001610	N-70-09	C0J230441	001		WASTE	0	8 1
14D,CLP1	L8241	___ ___ ___	911024	371899	A-70-09	C0J250457	002		SOLID	0	4 1
14D,CLP1	L8243	___ ___ ___	911025	371899	A-70-09	C0J250457	003		SOLID	0	4 1
14D,CLP1	L8244	___ ___ ___	911026	371899	A-70-09	C0J250457	004		SOLID	0	4 1
17B,CLP1,OUT	L88K5	___ ___ ___	911027	506188	A-70-09	C0J280479	001		SOLID	0	8 1
18C	L89DC	___ ___ ___	911028	027262	A-70-09	C0J280562	001		SOLID	0	1 1
18C	L89DX	___ ___ ___	911029	027262	A-70-09	C0J280567	001		SOLID	0	1 1
21D	L9F3E	___ ___ ___	911016	027262	A-70-09	C0K020543	001		SOLID	0	1 1

RELINQUISHED BY	RECEIVED BY	DATE/TIME
William a Hoyle	William a Hoyle	11-8-10 0215D
William a Hoyle	William a Hoyle	11-8-10 05:00

***** END OF REPORT *****

GENERAL CHEMISTRY DATA

Leo Brausch Koppers Pond

Cyanide, Total

Lab Name: TESTAMERICA PITTSBURGH
Client Name: Leo Brausch Consulting
Matrix: SOLID

Method: SW846 9012A
Lot Number: C0J210496

Distillation procedure

Client Sample ID	Sample Number	Workorder	Result	Units	Method Detection Limit	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
EB10-20	C0J210496 001	L8VKP1A5	ND	mg/kg	0.097	0.50	1	10/27/2010 - 10/27/2010 15:17	0300152
SD10-19	C0J210496 002	L8VKW1A6	ND	mg/kg	0.13	0.67	1	10/27/2010 - 10/27/2010 15:17	0300152
SD10-18	C0J210496 003	L8VK81A5	ND	mg/kg	0.18	0.92	1	10/27/2010 - 10/27/2010 15:17	0300152
SD10-31	C0J210496 004	L8VLA1A7	ND	mg/kg	0.20	1.0	1	10/27/2010 - 10/27/2010 15:17	0300152
SD10-32	C0J210496 005	L8VLH1A7	ND	mg/kg	0.26	1.3	1	10/27/2010 - 10/27/2010 15:17	0300152
SD10-33	C0J210496 006	L8VLJ1A7	ND	mg/kg	0.23	1.2	1	10/27/2010 - 10/27/2010 15:17	0300152

Leo Brausch Koppers Pond

Percent Solids

Lab Name: TESTAMERICA PITTSBURGH
Client Name: Leo Brausch Consulting
Matrix: SOLID

Method: SM20 2540G
Lot Number: C0J210496

NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION

Client Sample ID	Sample Number	Workorder	Result	Units	Method Detection Limit	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
SD10-19	C0J210496 002	L8VKW1AA	74.6	%	0.0	1.0	1	10/22/2010 - 10/23/2010 09:01	0295252
SD10-18	C0J210496 003	L8VK81AG	54.3	%	0.0	1.0	1	10/22/2010 - 10/23/2010 09:01	0295252
SD10-31	C0J210496 004	L8VLA1AA	47.6	%	0.0	1.0	1	10/22/2010 - 10/23/2010 09:01	0295252
SD10-32	C0J210496 005	L8VLH1AJ	37.1	%	0.0	1.0	1	10/22/2010 - 10/23/2010 09:01	0295252
SD10-33	C0J210496 006	L8VLJ1AR	41.3	%	0.0	1.0	1	10/22/2010 - 10/23/2010 09:01	0295252

Leo Brausch Koppers Pond

TOC

Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	EPA	Lloyd Kahn
Client Name:	Leo Brausch Consulting	**Lot Number:**	C0J210496	
Matrix:	SOLID			

Total Organic Carbon by Lloyd Kahn

Client Sample ID	Sample Number	Workorder	Result	Units	Method Detection Limit	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
SD10-31	C0J210496 004	L8VLA1A6	66100	mg/kg	1000	1840	1.75	10/29/2010 - 10/31/2010 18:47	0302220
SD10-32	C0J210496 005	L8VLH1AH	78700	mg/kg	1420	2620	1.94	10/29/2010 - 10/31/2010 19:30	0302220
SD10-33	C0J210496 006	L8VLJ1AQ	73800	mg/kg	1120	2050	1.89	10/29/2010 - 10/31/2010 19:59	0302220

Leo Brausch Koppers Pond

Cyanide, Total

Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	SW846 9012A
Client Name:	Leo Brausch Consulting	**Report ID:**	C0J210496
Matrix:	SOLID	**Date/Time Received:**	10/21/2010 10:00:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep Date-Analysis Date/Time	QC Batch	RPD / Limit (%)
BLK - C0J270000152B	152 MB	L85T31AA	ND	mg/kg	0.50	10/27/2010 - 10/27/2010 15:17	0300152	

Leo Brausch Koppers Pond

Percent Solids

Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	SM20 2540G
Client Name:	Leo Brausch Consulting	**Report ID:**	C0J210496
Matrix:	SOLID	**Date/Time Received:**	10/21/2010 10:00:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep Date-Analysis Date/Time	QC Batch	RPD / Limit (%)
SD10-19 DUP	002 DUP	L8VKW1A5	71.8	%	1.0	10/22/2010 - 10/23/2010 09:01	0295252	3.9 / 20

Leo Brausch Koppers Pond

TOC

Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	EPA Lloyd Kahn
Client Name:	Leo Brausch Consulting	**Report ID:**	C0J210496
Matrix:	SOLID	**Date/Time Received:**	10/23/2010 9:30:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep Date-Analysis Date/Time	QC Batch	RPD / Limit (%)
BLK - C0J290000220B	220 MB	L9AHT1AA	ND	mg/kg	500	10/29/2010 - 10/31/2010 17:05	0302220	

Leo Brausch Koppers Pond

Cyanide, Total

Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	SW846 9012A
Client Name:	Leo Brausch Consulting	**Lot Number:**	C0J270000
Matrix:	SOLID	**Date/Time Received:**	10/21/2010 10:00:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep Date - Analysis Date/Time	QC Batch	RPD / Limit (%)
CHECK SAMPLE	LCS	L85T31AC	103	38 - 162	10/27/201 - 10/27/2010 15:39	0300152	
SD10-18	MS	L8VK81A6	73 N	75 - 125	10/27/201 - 10/27/2010 15:17	0300152	0.28 / 20
LAB MS/MSD	MS	L84R81A7	75	75 - 125	10/27/201 - 10/27/2010 15:24	0300152	
SD10-18	MSD	L8VK81A7	73 N	75 - 125	10/27/201 - 10/27/2010 15:17	0300152	0.28 / 20

Leo Brausch Koppers Pond

TOC

Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	EPA	Lloyd Kahn
Client Name:	Leo Brausch Consulting	**Lot Number:**	C0J290000	
Matrix:	SOLID	**Date/Time Received:**	10/23/2010	9:30:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep Date - Analysis Date/Time	QC Batch	RPD / Limit (%)
CHECK SAMPLE	LCS	L9AHT1AC	90	75 - 125	10/29/201 - 10/31/2010 17:20	0302220	1.2 / 20
DUPLICATE CHECK	LCSD	L9AHT1AD	89	75 - 125	10/29/201 - 10/31/2010 17:34	0302220	1.2 / 20

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(Pittsburgh)

Total Solid / Percent Moisture

Sop ~~(PT-WC-001)~~ / (PT-WC-020)

Method: TS SM 20 2540G

LOT NUMBER(S)	BATCH
COJ210429	0295246
COJ220452	0295252
COJ220406	↓
COJ210554	
COJ210496	

TestAmerica Pittsburgh

Total Solids/Percent Moisture Worksheet

Total Residue (TS) @ 103 degrees C (+/- 2 degrees C)

Method: 2540 G

IN: 10/22/2010 4:28:00 PM
OUT: 10/23/2010 9:00:00 AM

Calculation: $\frac{(A-C) - (B-C)}{(A-C)} \times 100 = D$

E = 100 - D

Analyst: Mansi Modi
Balance ID: 1126472457

QC Batch: 0295246		TARE ID	TARE (g) [C]	SAMPLE + TARE [A]	DRIED SMP + TARE [B]	% MOISTURE [D]	% SOLID [E]
LAB ID	WORKORDER						
C0J210429-1	L8T191AA	P2879	2.6300	8.2000	6.1700	36.44524	63.55476
C0J210429-1X	L8T191AD	P3743	2.5700	8.6400	6.4500	36.07909	63.92091

RPD 0.57%

Analyst: Mansi Modi Date: 10-23-10

TestAmerica Pittsburgh

Total Solids/Percent Moisture Worksheet

Total Residue (TS) @ 103 degrees C (+/- 2 degrees C)

Method: 2540 G

IN: 10/22/2010 4:52:00 PM
OUT: 10/23/2010 9:01:00 AM

Calculation: $\frac{(A-C) - (B-C)}{(A-C)} \times 100 = D$

E = 100 - D

Analyst: Mansi Modi
Balance ID: 1126472457

QC Batch: 0295252		TARE ID	TARE (g) [C]	SAMPLE + TARE [A]	DRIED SMP + TARE [B]	% MOISTURE [D]	% SOLID [E]
LAB ID	WORKORDER						
C0J210496-2	L8VKW1AA	P4343	2.5800	8.9600	7.3400	25.39185	74.60815
C0J210496-2X	L8VKW1A5	P4342	2.6100	8.8100	7.0600	28.22582	71.77419
C0J210496-3	L8VK81AG	P4338	2.5900	8.6500	5.8800	45.70956	54.29044
C0J210496-4	L8VLA1AA	P4341	2.5600	8.8800	5.5700	52.37342	47.62658
C0J210496-5	L8VLH1AJ	P4339	2.6300	8.3200	4.7400	62.91740	37.08260
C0J210496-6	L8VLJ1AR	P4337	2.5900	8.7700	5.1400	58.73787	41.26213
C0J210554-2	L8V4W1AA	P4336	2.6200	8.5000	8.0000	8.50340	91.49660
C0J210554-3	L8V401AA	P4366	2.5900	8.3100	7.7200	10.31469	89.68531
C0J210554-4	L8V421AA	P4335	2.6300	8.3700	7.8500	9.05923	90.94077
C0J210554-5	L8V451AA	P4340	2.5900	8.5000	7.8200	11.50591	88.49409
C0J220406-1	L8W5V1AA	P4334	2.6500	8.1000	7.1500	17.43120	82.56880
C0J220406-2	L8W511AG	P4332	2.6100	8.9500	8.2400	11.19874	88.80126
C0J220406-3	L8W521AG	P4333	2.6400	8.7000	7.8900	13.36633	86.63367
C0J220406-4	L8W531AG	P4330	2.6100	8.3300	7.2200	19.40561	80.59439
C0J220406-5	L8W541AG	P4326	2.6200	8.5700	7.7800	13.27730	86.72269
C0J220406-6	L8W551AG	P4331	2.6100	8.8600	8.1600	11.20000	88.80000
C0J220406-7	L8W561AG	P4329	2.6300	8.1100	7.5300	10.58393	89.41607
C0J220406-8	L8W571AG	P4321	2.5900	8.4100	7.9300	8.24741	91.75259
C0J220406-9	L8W581AG	P4328	2.6400	8.3900	7.3900	17.39130	82.60870
C0J220452-1	L8XLH1AD	P4327	2.6300	8.9600	8.7400	3.47552	96.52448

RPD 3.87%

Analyst: Mansi Modi

Date: 10-23-10

PSR024 10/22/10 11:52:15 MT SAMPLE CUSTODIAN REMOVAL REQUEST PAGE 001

REQUESTED BY: **WATSOND**

0295246 / 0295252

METHOD: 0Z Solids, Percent Total (As TS-SM 20 2540G)

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD
12A	L8T19-1-AA		901917	027262	N-88-0Z	C0J210429	001		WASTE	0	1 1
12B	L8VKW-1-AA		901934	356280	A-88-0Z	C0J210496	002		SOLID	0	1 1
12B	L8VK8-1-AG		901935	356280	A-88-0Z	C0J210496	003		SOLID	0	1 1
12B	L8VLA-1-AA		901936	356280	A-88-0Z	C0J210496	004		SOLID	0	2 1
12B	L8VLH-1-AJ		901937	356280	A-88-0Z	C0J210496	005		SOLID	0	2 1
12B	L8VLJ-1-AR		901938	356280	A-88-0Z	C0J210496	006		SOLID	0	2 1
12C,CLP1	L8V4W-1-AA		901927	405462	A-88-0Z	C0J210554	002		SOLID	0	4 1
12C,CLP1	L8V40-1-AA		901928	405462	A-88-0Z	C0J210554	003		SOLID	0	4 1
12C,CLP1	L8V42-1-AA		901929	405462	A-88-0Z	C0J210554	004		SOLID	0	4 1
12C,CLP1	L8V45-1-AA		901930	405462	A-88-0Z	C0J210554	005		SOLID	0	4 1
12C	L8W5V-1-AA		901918	001361	A-88-0Z	C0J220406	001		SOLID	0	1 1
12C	L8W51-1-AG		901919	001361	A-88-0Z	C0J220406	002		SOLID	0	1 1
12C	L8W52-1-AG		901920	001361	A-88-0Z	C0J220406	003		SOLID	0	1 1
12C	L8W53-1-AG		901921	001361	A-88-0Z	C0J220406	004		SOLID	0	1 1
12C	L8W54-1-AG		901922	001361	A-88-0Z	C0J220406	005		SOLID	0	1 1
12C	L8W55-1-AG		901923	001361	A-88-0Z	C0J220406	006		SOLID	0	1 1
12C	L8W56-1-AG		901924	001361	A-88-0Z	C0J220406	007		SOLID	0	1 1
12C	L8W57-1-AG		901925	001361	A-88-0Z	C0J220406	008		SOLID	0	1 1
12C	L8W58-1-AG		901926	001361	A-88-0Z	C0J220406	009		SOLID	0	1 1
13A	L8XLH-1-AD		901931	356388	A-88-0Z	C0J220452	001		SOLID	0	2 1

REQUESTED BY: **WATSOND**

METHOD: 0Z Solids, Percent Total (As TS-SM 20 2540G)

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD

RELINQUISHED BY	RECEIVED BY	DATE/TIME
Dellye Watson	Dellye Watson	10-22-10 14:30
Dellye Watson	P Faust	10-22-10 16:55

***** END OF REPORT *****

TestAmerica

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Cyanide Analysis

Analyst D. Johnson **Date** 10.14.10

Data File 101410LN **Method** Lachat **Instrument** Konelab

Standard	Lot#	Standard	Lot#
Primary Stock	WC33609.10	Secondary Stock	WC30214.10
Mercury II		0.1 N NaOH	N/A
WAD Carrier		0.25 N NaOH	WC29101.10
WAD A	NA	Pyridine-Barbituric Acid	WC28165.10
WAD B		Chloramine-T	WC33859.10
WAD AR		Phosphate Buffer	WC29186.10

SOP Reference: 335.4/9012A PT-WC-018 | 1677 PT-WC-029 | CLP Water/ CLP Soil PT-WC-024

Standards:

Primary	10 PPM STD	WC34091.10
Secondary	10 PPM STD	WC34116.10
	0.5 PPM STD	WC34111.10
	0.25 PPM STD	WC34125.10
(CCV)	0.10 PPM STD	WC34134.10
	0.05 PPM STD	WC34145.10
	0.01 PPM STD	
	0.005 PPM STD	
(NELAC/CCV)	0.20 PPM STD	WC34143.10

Lot Number(s)	Batch Number(s)	Method
C0J250450 C0J250463	630113	335.4
C0J180453	630140	9012A
C0J260464 C0J200536 C0J200540 C0J260476	630141	9012A
C0J240416 C0J240419	630152	9012A

AquaKem v. 6.5 AQ1 TestAmerica Pittsburgh
Results from time period:
Wed Oct 27 15:38:13 2010
Wed Oct 27 17:25:30 2010

Sample Id	Test short name	Result	Result unit	Final Results	Final Units	Result date and time	Percent Recovery	RPD	Dil. ratio	Manual dil. ratio	Response	True Value	Upload Data?
CN-0.0	CN-EPA	0.00133	mg/l	0.00133	mg/l	10/27/10 14:38			0		0.0045		N
CN-.5	CN-EPA	0.00655	mg/l	0.00655	mg/l	10/27/10 14:38			99		0.01081		N
CN-.5	CN-EPA	0.01138	mg/l	0.01138	mg/l	10/27/10 14:38			49		0.01663		N
CN-.5	CN-EPA	0.0496	mg/l	0.0496	mg/l	10/27/10 14:38			9		0.06275		N
CN-.5	CN-EPA	0.09686	mg/l	0.09686	mg/l	10/27/10 14:38			4		0.11979		N
CN-.5	CN-EPA	0.2473	mg/l	0.2473	mg/l	10/27/10 14:38			1		0.30133		N
CN-.5	CN-EPA	0.50197	mg/l	0.50197	mg/l	10/27/10 14:38			0		0.60866		N
NELAC .2	CN-EPA	0.19068	mg/l	0.19068	mg/l	10/27/10 14:44	95.34		0		0.233	0.2	N
CCB-CN	CN-EPA	0.0003	mg/l	0.0003	mg/l	10/27/10 14:44			0		0.00326		N
DIST .05	CN-EPA	0.04918	mg/l	0.04918	mg/l	10/27/10 14:44	98.36		0		0.06225	0.05	N
DIST .25	CN-EPA	0.22861	mg/l	0.22861	mg/l	10/27/10 14:44	91.444		0		0.27878	0.25	N
CCV-CN	CN-EPA	0.0952	mg/l	0.0952	mg/l	10/27/10 15:02	95.2		0		0.11778	0.1	N
VCCB-CN	CN-EPA	0.00072	mg/l	0.00072	mg/l	10/27/10 15:02			0		0.00376		N
I85vf1ac	CN-EPA	0.18022	mg/l	0.18022	mg/l	10/27/10 15:02	90.11		0	0	0.22039	0.2	Y
I85vf1aa	CN-EPA	0.00188	mg/l	0.00188	mg/l	10/27/10 15:02			0	0	0.00517		Y
~~I823v1aa~~	~~CN-EPA~~	~~0.5828~~	~~mg/l~~	~~0.5828~~	~~mg/l~~	~~10/27/10 15:02~~			~~0~~	~~0~~	~~0.7062~~		~~N~~
I82301aa	CN-EPA	0.06771	mg/l	0.06771	mg/l	10/27/10 15:02			0	0	0.08461		Y
~~I84gr1ag~~	~~CN-EPA~~	~~4.46295~~	~~mg/l~~	~~4.46295~~	~~mg/l~~	~~10/27/10 15:02~~			~~0~~	~~0~~	~~5.38865~~		~~N~~
I85va1aa	CN-EPA	0.01398	mg/l	13.98	ug/l	10/27/10 15:02			0	0	0.01977		N
~~I8m0n1ad~~	~~CN-EPA~~	~~0.00125~~	~~mg/l~~	~~1.25~~	~~ug/l~~	~~10/27/10 15:02~~			~~0~~	~~0~~	~~0.00441~~		~~N~~
I85t61ac	CN-EPA	0.18103	mg/l	181.03	ug/l	10/27/10 15:02	90.515		0	0	0.22136	200	Y
~~I85t61aa~~	~~CN-EPA~~	~~0.03274~~	~~mg/l~~	~~32.74~~	~~ug/l~~	~~10/27/10 15:02~~			~~0~~	~~0~~	~~0.0424~~		~~N~~
I8q7a1a3	CN-EPA	0.01562	mg/l	15.62	ug/l	10/27/10 15:09			0	0	0.02175		Y
CCV-CN	CN-EPA	0.09556	mg/l	0.09556	mg/l	10/27/10 15:09	95.56		0		0.11822	0.1	N
VCCB-CN	CN-EPA	0.00042	mg/l	0.00042	mg/l	10/27/10 15:09			0		0.0034		N
I8q8d1ae	CN-EPA	0.00239	mg/l	2.39	ug/l	10/27/10 15:09			0	0	0.00579		Y
I8r4g1av	CN-EPA	0.00056	mg/l	0.56	ug/l	10/27/10 15:09			0	0	0.00357		Y
I8r471a5	CN-EPA	0.0011	mg/l	1.1	ug/l	10/27/10 15:09			0	0	0.00422		Y
I8r471c3	CN-EPA	0.09136	mg/l	91.36	ug/l	10/27/10 15:09	90.26		0	0	0.11315	100	Y
I8r471c4	CN-EPA	0.08868	mg/l	88.68	ug/l	10/27/10 15:09	87.58	2.97712	0	0	0.10992	100	Y
I8r5h1a5	CN-EPA	0.00149	mg/l	1.49	ug/l	10/27/10 15:09			0	0	0.0047		Y
~~I84le1ac~~	~~CN-EPA~~	~~1.19695~~	~~mg/l~~	~~1196.95~~	~~ug/l~~	~~10/27/10 15:09~~			~~0~~	~~0~~	~~0.00867~~		~~N~~
~~I85t31ac~~	~~CN-EPA~~	~~11.44814~~	~~mg/l~~	~~11.44814~~	~~mg/kg~~	~~10/27/10 15:09~~	~~20.96729~~		~~0~~	~~249~~	~~0.2792~~	~~54.6~~	~~N~~
I85t31aa	CN-EPA	0.01199	mg/l	0.01199	mg/kg	10/27/10 15:17			0	49	0.00319		Y
I8vkp1a5	CN-EPA	0.01078	mg/l	0.01078	mg/kg	10/27/10 15:17			0	49	0.00316		Y
CCV-CN	CN-EPA	0.09471	mg/l	0.09471	mg/l	10/27/10 15:17	94.71		0		0.11718	0.1	N
VCCB-CN	CN-EPA	-0.00003	mg/l	-0.00003	mg/l	10/27/10 15:17			0		0.00286		N
I8vkw1a6	CN-EPA	0.02032	mg/l	0.02032	mg/kg	10/27/10 15:17			0	49	0.00339		Y
I8vk81a5	CN-EPA	0.04081	mg/l	0.04081	mg/kg	10/27/10 15:17			0	49	0.00388		Y
I8vk81a6	CN-EPA	3.68665	mg/l	3.68665	mg/kg	10/27/10 15:17	72.9168		0	49	0.09188	5	Y
I8vk81a7	CN-EPA	3.69722	mg/l	3.69722	mg/kg	10/27/10 15:17	73.1282	0.2863	0	49	0.09213	5	Y
I8vla1a7	CN-EPA	0.07872	mg/l	0.07872	mg/kg	10/27/10 15:17			0	49	0.0048		Y
I8vlh1a7	CN-EPA	0.01992	mg/l	0.01992	mg/kg	10/27/10 15:17			0	49	0.00338		Y
I8vlj1a7	CN-EPA	0.06335	mg/l	0.06335	mg/kg	10/27/10 15:17			0	49	0.00443		Y
I84r11aw	CN-EPA	0.05173	mg/l	0.05173	mg/kg	10/27/10 15:24			0	49	0.00415		Y
I84r21a4	CN-EPA	0.03345	mg/l	0.03345	mg/kg	10/27/10 15:24			0	49	0.0037		Y
I84r31a4	CN-EPA	0.00208	mg/l	0.00208	mg/kg	10/27/10 15:24			0	49	0.00295		Y
CCV-CN	CN-EPA	0.09583	mg/l	0.09583	mg/l	10/27/10 15:24	95.83		0		0.11854	0.1	N
VCCB-CN	CN-EPA	0.00006	mg/l	0.00006	mg/l	10/27/10 15:24			0		0.00297		N
I84r41a4	CN-EPA	0.48668	mg/l	0.48668	mg/kg	10/27/10 15:24			0	49	0.01464		Y
I84r51a4	CN-EPA	1.62567	mg/l	1.62567	mg/kg	10/27/10 15:24			0	49	0.04213		Y
I84r61a4	CN-EPA	-0.00258	mg/l	-0.00258	mg/kg	10/27/10 15:24			0	49	0.00283		Y
I84r71a4	CN-EPA	0.03254	mg/l	0.03254	mg/kg	10/27/10 15:24			0	49	0.00368		Y
I84r81a4	CN-EPA	0.03859	mg/l	0.03859	mg/kg	10/27/10 15:24			0	49	0.00383		Y
I84r81a7	CN-EPA	3.77085	mg/l	3.77085	mg/kg	10/27/10 15:24	74.6452		0	49	0.09391	5	Y
I84r91a4	CN-EPA	0.0102	mg/l	0.0102	mg/kg	10/27/10 15:30			0	49	0.00314		Y
I84ta1a4	CN-EPA	0.03899	mg/l	0.03899	mg/kg	10/27/10 15:30			0	49	0.00384		Y
I84tc1a4	CN-EPA	0.03174	mg/l	0.03174	mg/kg	10/27/10 15:30			0	49	0.00366		Y
I84td1a4	CN-EPA	0.03428	mg/l	0.03428	mg/kg	10/27/10 15:30			0	49	0.00372		Y
CCV-CN	CN-EPA	0.09802	mg/l	0.09802	mg/l	10/27/10 15:30	98.02		0		0.12119	0.1	N
VCCB-CN	CN-EPA	0.00034	mg/l	0.00034	mg/l	10/27/10 15:30			0		0.00331		N
I84te1a4	CN-EPA	-0.13904	mg/l	-0.13904	mg/kg	10/27/10 15:30			0	49	-0.00046		Y
I823v1aa	CN-EPA	0.57995	mg/l	0.57995	mg/l	10/27/10 15:35			9	0	0.07288		Y
~~I84gr1ag~~	~~CN-EPA~~	~~13.85658~~	~~mg/l~~	~~13.85658~~	~~mg/l~~	~~10/27/10 15:35~~			~~9~~	~~0~~	~~1.67507~~		~~N~~
CCV-CN	CN-EPA	0.09702	mg/l	0.09702	mg/l	10/27/10 15:37	97.02		0		0.11997	0.1	N
VCCB-CN	CN-EPA	0.00005	mg/l	0.00005	mg/l	10/27/10 15:37			0		0.00296		N
~~I84le1ac~~	~~CN-EPA~~	~~-0.34362~~	~~mg/l~~	~~-343.62~~	~~ug/l~~	~~10/27/10 15:39~~			~~0~~	~~0~~	~~-0.41178~~		~~N~~
I85t31ac	CN-EPA	55.98762	mg/l	55.98762	mg/kg	10/27/10 15:39	102.5414		0	249	0.27315	54.6	Y
CCV-CN	CN-EPA	0.09964	mg/l	0.09964	mg/l	10/27/10 15:41	99.64		0		0.12314	0.1	N
VCCB-CN	CN-EPA	0.0001	mg/l	0.0001	mg/l	10/27/10 15:41			0		0.00301		N
I84gr1ag	CN-EPA	16.25576	mg/l	16.25576	mg/l	10/27/10 15:49			99	0	0.19907		Y
CCV-CN	CN-EPA	0.09918	mg/l	0.09918	mg/l	10/27/10 15:52	99.18		0		0.12259	0.1	N
VCCB-CN	CN-EPA	0.00022	mg/l	0.00022	mg/l	10/27/10 15:52			0		0.00316		N
CCV-CN	CN-EPA	0.09777	mg/l	0.09777	mg/l	10/27/10 16:09	97.77		0		0.12089	0.1	N
VCCB-CN	CN-EPA	-0.00049	mg/l	-0.00049	mg/l	10/27/10 16:09			0		0.00231		N
~~I84le1ac~~	~~CN-EPA~~	~~-0.01128~~	~~mg/l~~	~~-11.28~~	~~ug/l~~	~~10/27/10 16:09~~			~~0~~	~~0~~	~~-0.01074~~		~~N~~

Sample Id	Test short name	Result	Result unit	Final Results	Final Units	Result date and time	Percent Recovery	RPD	Dil. ratio	Manual dil. ratio	Response	True Value	Upload Data?
CCV-CN	CN-EPA	0.09851	mg/l	0.09851	mg/l	10/27/10 16:11	98.51		0		0.12177	0.1	N
VCCB-CN	CN-EPA	-0.00015	mg/l	-0.00015	mg/l	10/27/10 16:11			0		0.00271		N
l85va1aa	CN-EPA	0.00006	mg/l	0.06	ug/l	10/27/10 16:14			0	0	0.00297		Y
l8m0n1ad	CN-EPA	0.00176	mg/l	1.76	ug/l	10/27/10 16:14			0	0	0.00502		Y
l85t61aa	CN-EPA	-0.00095	mg/l	-0.95	ug/l	10/27/10 16:14			0	0	0.00175		Y
~~l8q7a1a3~~	~~CN-EPA~~	~~0.01605~~	~~mg/l~~	~~16.05~~	~~ug/l~~	~~10/27/10 16:16~~			~~0~~	~~0~~	~~0.02226~~		~~N~~
CCV-CN	CN-EPA	0.09802	mg/l	0.09802	mg/l	10/27/10 16:18	98.02		0		0.12118	0.1	N
VCCB-CN	CN-EPA	-0.00035	mg/l	-0.00035	mg/l	10/27/10 16:18			0		0.00247		N
l84le1ac	CN-EPA	0.01892	mg/l	18.92	ug/l	10/27/10 16:21			0	0	0.02572		Y
CCV-CN	CN-EPA	0.10055	mg/l	0.10055	mg/l	10/27/10 16:25	100.55		0		0.12423	0.1	N
VCCB-CN	CN-EPA	-0.00008	mg/l	-0.00008	mg/l	10/27/10 16:25			0		0.0028		N

Laboratory
Analyzer User

27.10.2010 15:45

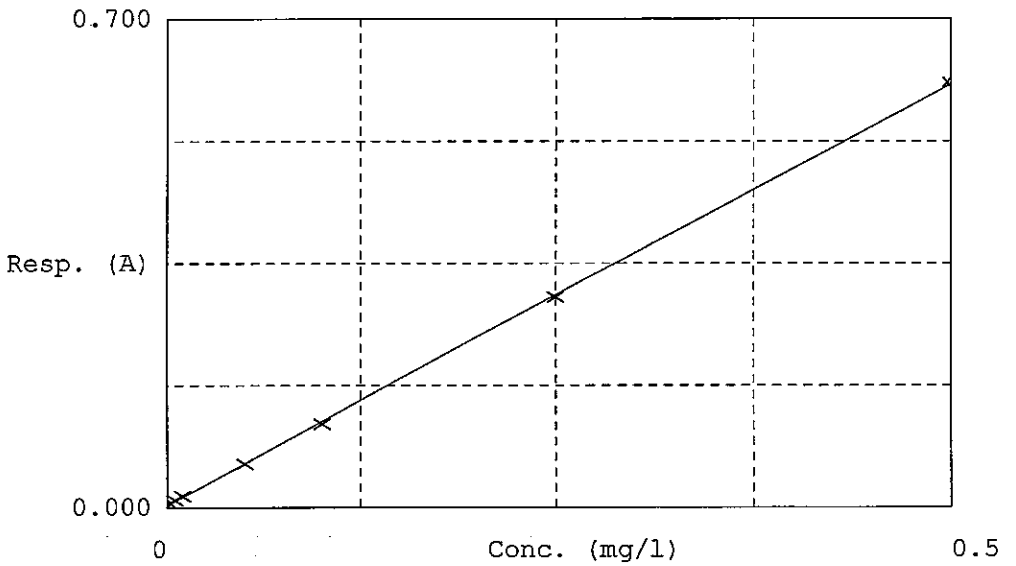
Test CN-EPA

Accepted 27.10.2010 15:44

Factor 0.829
Bias 0.003

Coeff. of det. 0.999867

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	CN-0.0	0.004	0.00133	0.00000	
2	CN-.5	0.011	0.00655	0.00500	
3	CN-.5	0.017	0.01138	0.01000	
4	CN-.5	0.063	0.04960	0.05000	
5	CN-.5	0.120	0.09686	0.10000	
6	CN-.5	0.301	0.24730	0.25000	
7	CN-.5	0.609	0.50197	0.50000	
8	CCB-CN(control)	0.003	0.00030	0.00000	
9	DIST .05(contro	0.062	0.04918	0.05000	
10	DIST .25(contro	0.279	0.22861	0.25000	
11	NELAC .2(contro	0.233	0.19068	0.20000	

TestAmerica Pittsburgh

Total CN 335.4 Distillation Worksheet

Batch No: 0300137

Method Total CN 335.4	**Matrix** Water	**Lot Numbers** C0J250450, C0J260463
Start Time 09:45	**Stop Time** 11:15	
Start Temp. 21	**Stop Temp.** 188	
Analyst Paul Johnson	**Date** 10/27/10	
Analyst Sign:		

Sample ID	Initial Wt/Vol g/mL	Final Vol mL	Expiration Date	Sulfide Present (Y/N) [1]	Comments
L85VF1AA B	50	50	NA	NA	
L85VF1AC C			NA	NA	
L82301AA			11.6.10	N	
L823V1AA			11.6.10	N	
L84GR1AG	50	50	11.9.10	N	

[1] If sulfides are present, treat sample with powdered cadmium or lead carbonate until there is no reaction to the lead acetate paper.

SAMPLE CODING: B-Blank C-Check L-Check Duplicate S-Matrix Spike D-Matrix Spike Duplicate X-Sample Duplicate

Reagents:

NaOH, WC5201-10, STANDARDS LOG
Sulfuric Acid, WC4374-10, STANDARDS LOG
Magnesium Chloride, WC3031-10, STANDARDS
Sulfamic Acid, WC3807-10, STANDARDS LOG

NOTE: Distillates are disposed of 14 days after analysis

Balance ID:	25606
Pipet #:	C30216
LCS True Value:	0.2 PPM
LCS StdsLogID:	WC5410-10
MS/MSD Conc.:	NA
MS/MSD StdsLogID:	NA
Glass or Plastic Beads:	Standard ID NA

Digestate(s)	(Received) Date	Time	Analyst	Location	(Relinquished) Date	Time	Analyst	Location
All	10/27/10	1115	PJ	Sink	10/27/10	1445	PJ	Hood

Additional Comments:

Reviewed By: 4019 **Date:** 10-27-10

WC-100-0300137

C0J210496

(4001-4344)

Printed on: 27-Oct-10 10:30:43 AM

PSR024 10/27/10 5:16:57 MT SAMPLE CUSTODIAN REMOVAL REQUEST PAGE 001

REQUESTED BY: **JOHNSONP**

METHOD: O2 Cyanide, Total (335.4)

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD
14C	L823V-1-AA	___ ___ ___	904220	086852	I-06-O2	C0J250450	001		WATER	1	1
14C	L8230-1-AA	___ ___ ___	904221	086852	I-06-O2	C0J250450	002		WATER	1	1
15C	L84GR-1-AG	___ ___ ___	904222	418005	I-06-O2	C0J260463	004		WATER	8	1

RELINQUISHED BY	RECEIVED BY	DATE/TIME

***** END OF REPORT *****

TestAmerica Pittsburgh | ***Total CN 9012A Distillation Worksheet*** | **Batch No:** 0300140

Method Total CN 9012A	**Matrix** Water	**Lot Numbers** C0J180457
Start Time 09:45	**Stop Time** 11:15	
Start Temp. 21	**Stop Temp.** 188	
Analyst Paul Johnson	**Date** 10/27/10	
Analyst Sign:		

Sample ID	Initial Wt/Vol g/mL	Final Vol mL	Expiration Date	Sulfide Present (Y/N) [1]	Comments
L85VA1AA B	500	500	NA	NA	
L8M0N1AD	500	500	2010-11-01	N	

[1] If sulfides are present, treat sample with powdered cadmium or lead carbonate until there is no reaction to the lead acetate paper.

SAMPLE CODING: B-Blank C-Check L-Check Duplicate S-Matrix Spike D-Matrix Spike Duplicate X-Sample Duplicate

Reagents:

NaOH, WC5201-10, STANDARDS LOG
Sulfuric Acid, WC4374-10, STANDARDS LOG
Magnesium Chloride, WC3031-10, STANDARDS
Sulfamic Acid, WC3807-10, STANDARDS LOG

NOTE: Distillates are disposed of 14 days after analysis

Balance ID:	25606
Pipet #:	C30216
LCS True Value:	NA
LCS StdsLogID:	NA
MS/MSD Conc.:	NA
MS/MSD StdsLogID:	NA
Glass or Plastic Beads:	Standard ID NA

Digestate(s)	(Received) Date	Time	Analyst	Location	(Relinquished) Date	Time	Analyst	Location
All A	10/27/10	1115	[illegible]	[illegible]	10/27/10	1145	[illegible]	[illegible]

Additional Comments:

Reviewed By: [illegible] 4021 **Date:** 10.27.10

WC-100-0300140

C0J210496 (4001 4344)

Printed on: 27-Oct-10 10:31:37 AM

TestAmerica Pittsburgh

Total CN 9012A Distillation Worksheet

Batch No: 0300141

Method Total CN 9012A	**Matrix** Water	**Lot Numbers** C0J200442, C0J200539, C0J200548, C0J260474
Start Time 09:45	**Stop Time** 11:15	
Start Temp. 21	**Stop Temp.** 188	
Analyst Paul Johnson	**Date** 10/27/10	
Analyst Sign:		

Sample ID	Initial Wt/Vol g/mL	Final Vol mL	Expiration Date	Sulfide Present (Y/N) [1]	Comments
L85T61AA B	50	50	NA	NA	
L85T61AC C			NA	NA	
L84LE1AC			2010-11-08	N	
L8Q7A1A3			2010-11-02		
L8Q8D1AE			2010-11-02		
L8R471A5			2010-11-02		
L8R471C3 S			11.2.10		
L8R471C4 D			11.2.10		
L8R4G1AV			2010-11-02		
L8R5H1A5	50	50	2010-11-02	N	

[1] If sulfides are present, treat sample with powdered cadmium or lead carbonate until there is no reaction to the lead acetate paper.

SAMPLE CODING: B-Blank C-Check L-Check Duplicate S-Matrix Spike D-Matrix Spike Duplicate X-Sample Duplicate

Reagents:

NaOH, WC5201-10, STANDARDS LOG
Sulfuric Acid, WC4374-10, STANDARDS LOG
Magnesium Chloride, WC3031-10, STANDARDS
Sulfamic Acid, WC3807-10, STANDARDS LOG

NOTE: Distillates are disposed of 14 days after analysis

Balance ID:	25606
Pipet #:	C30216
LCS True Value:	0.2 PPM
LCS StdsLogID:	WC5410-10
MS/MSD Conc.:	0.1 PPM
MS/MSD StdsLogID:	WC5410-10
Glass or Plastic Beads:	Standard ID NA

Digestate(s)	(Received) Date	Time	Analyst	Location	(Relinquished) Date	Time	Analyst	Location
All A	10.27.10	1115	DJ	WC	10.27.10	1645	DJ	WC

Additional Comments:

Reviewed By: 4022 **Date:** 10-27-10

WC-100-000144

C0J2610496 (44001-4344)

Printed on: 27-Oct-10 10:32:20 AM

PSR024 10/27/10 5:17:59 MT SAMPLE CUSTODIAN REMOVAL REQUEST PAGE 001

REQUESTED BY: **JOHNSONP**

METHOD: QP Cyanide, Total

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD
Lab	L8M0N-1-AD		904223	000180	I-06-QP	C0J180457	001		WATER	1	1
11A,CLP1,OUT	L8Q7A-1-A3		904224	380676	I-06-QP	C0J200442	001		WATER	22	1
11A,CLP1,OUT	L8Q8D-1-AE		904225	380676	I-06-QP	C0J200442	002		WATER	22	1
11B CLP1	L8R4G-1-AV		904226	007907	I-06-QP	C0J200539	004		WATER	19	1
11D,OUT	L8R47-1-A5		904227	339021	I-06-QP	C0J200548	001		WATER	12	1
11D,OUT	L8R5H-1-A5		904228	339021	I-06-QP	C0J200548	003		WATER	6	1
15A	L84LE-1-AC		904229	378289	I-06-QP	C0J260474	001		WATER	2	1

RELINQUISHED BY	RECEIVED BY	DATE/TIME
		10/27/10 07:15
		10/27/10 09:45

***** END OF REPORT *****

TestAmerica Pittsburgh

Total CN 9012A Distillation Worksheet

Batch No: 0300152

Method Total CN 9012A	**Matrix** Solid	**Lot Numbers** C0J210496, C0J260499
Start Time 09:45	**Stop Time** 11:15	
Start Temp. 21	**Stop Temp.** 188	
Analyst Paul Johnson	**Date** 10/27/10	
Analyst Sign:		

Sample ID	Initial Wt/Vol g/mL	Final Vol mL	Expiration Date	Sulfide Present (Y/N) [1]	Comments
L85T31AA B	1.02	50	NA	NA	
L85T31AC C	1.02	50	NA	NA	
L84R11AW	1.00		2010-11-03	NA	
L84R21A4	1.00		2010-11-03		
L84R31A4	1.00		2010-11-03		
L84R41A4	1.01		2010-11-03		
L84R51A4	1.01		2010-11-03		
L84R61A4	1.00		2010-11-03		
L84R71A4	1.00		2010-11-03		
L84R81A4	1.01		2010-11-03		
L84R91A4	1.01		2010-11-03		
L84R81A7 S	1.01		1		
L84TA1A4	1.00		2010-11-03		
L84TC1A4	1.01		2010-11-03		
L84TD1A4	1.01		2010-11-03		
L84TE1A4	1.01		2010-11-03		
L8VK81A5	1.01		2010-11-03		
L8VK81A6 S	1.01		1		
L8VK81A7 D	1.00		1		
L8VKP1A5	1.01		2010-11-03		
L8VKW1A6	1.00		2010-11-03		
L8VLA1A7	1.01		2010-11-03		
L8VLH1A7	1.01		2010-11-03		
L8VLJ1A7	1.01	50	2010-11-03	NA	
			1		

[1] If sulfides are present, treat sample with powdered cadmium or lead carbonate until there is no reaction to the lead acetate paper.

SAMPLE CODING: B-Blank C-Check L-Check Duplicate S-Matrix Spike D-Matrix Spike Duplicate X-Sample Duplicate

Reagents:

NaOH, WC5201-10, STANDARDS LOG
Sulfuric Acid, WC4374-10, STANDARDS LOG
Magnesium Chloride, WC3031-10, STANDARDS
Sulfamic Acid, WC3807-10, STANDARDS LOG

NOTE: Distillates are disposed of 14 days after analysis

Balance ID:	25606
Pipet #:	C30216
LCS True Value:	54.6 MG/KG
LCS StdsLogID:	WC1750-10
MS/MSD Conc.:	5 MG/KG
MS/MSD StdsLogID:	WC5410-10
Glass or Plastic Beads:	Standard

Digestate(s)	(Received) Date	Time	Analyst	Location	(Relinquished) Date	Time	Analyst	Location
All A	10/27/10	1115	[illegible]		10/27/10	1445	[illegible]	

Additional Comments:

Reviewed By: [signature] 4024 **Date:** 10-27-10

WC-100-0300152 (4001-4344)

C0J210496

PSR024 10/27/10 5:19:04 MT SAMPLE CUSTODIAN REMOVAL REQUEST PAGE 001

9300152

REQUESTED BY: **JOHNSONP**

METHOD: QP Cyanide, Total

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD
12B	L8VKP-1-A5		904230	356280	A-06-QP	C0J210496	001		SOLID	1	1
12B	L8VKW-1-A6		904231	356280	A-06-QP	C0J210496	002		SOLID	1	1
12B	L8VK8-1-A5		904232	356280	A-06-QP	C0J210496	003		SOLID	1	1
12B	L8VLA-1-A7		904233	356280	A-06-QP	C0J210496	004		SOLID	2	1
12B	L8VLH-1-A7		904234	356280	A-06-QP	C0J210496	005		SOLID	2	1
12B	L8VLJ-1-A7		904235	356280	A-06-QP	C0J210496	006		SOLID	2	1
16A,CLP1,OUT	L84R1-1-AW		904236	051465	A-06-QP	C0J260499	001		SOLID	6	1
16A,CLP1,OUT	L84R2-1-A4		904237	051465	A-06-QP	C0J260499	002		SOLID	6	1
16A,CLP1,OUT	L84R3-1-A4		904238	051465	A-06-QP	C0J260499	003		SOLID	7	1
16A,CLP1,OUT	L84R4-1-A4		904239	051465	A-06-QP	C0J260499	004		SOLID	7	1
16A,CLP1,OUT	L84R5-1-A4		904240	051465	A-06-QP	C0J260499	005		SOLID	6	1
16A,CLP1,OUT	L84R6-1-A4		904241	051465	A-06-QP	C0J260499	006		SOLID	6	1
16A,CLP1,OUT	L84R7-1-A4		904242	051465	A-06-QP	C0J260499	007		SOLID	6	1
16A,CLP1,OUT	L84R8-1-A4		904243	051465	A-06-QP	C0J260499	008		SOLID	6	1
16A,CLP1,OUT	L84R9-1-A4		904244	051465	A-06-QP	C0J260499	009		SOLID	6	1
16A,CLP1,OUT	L84TA-1-A4		904245	051465	A-06-QP	C0J260499	010		SOLID	6	1
16A,CLP1,OUT	L84TC-1-A4		904246	051465	A-06-QP	C0J260499	011		SOLID	6	1
16A,CLP1,OUT	L84TD-1-A4		904247	051465	A-06-QP	C0J260499	012		SOLID	5	1
16A,CLP1,OUT	L84TE-1-A4		904248	051465	A-06-QP	C0J260499	013		SOLID	6	1

REQUESTED BY: **JOHNSONP**

METHOD: QP Cyanide, Total

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD

RELINQUISHED BY	RECEIVED BY	DATE/TIME
J Johnson	J Johnson	10/27/10 0613
J Johnson		10/27/10 0944

***** END OF REPORT *****

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

(Pittsburgh)

Parameter: Lloyd-Kahn
(Total Organic Carbon in Solids)

LOT NUMBER(S)	BATCH
C0J190504	0302220
C0J260499	
C0J210496	
C0J260498	
C0J250504	
C0J280417	

WC 4796-10 (20% Phosphoric Acid)
WC4281-10 (1.0% KHP)
WC4282-10 (0.1% KHP)
WC4283-10 ((0.01% KHP)
WC036810 (LCS solid)

Eager 300 for Windows

Method name : Lloyd Kahn TOC
Method filename : C:\data\January\103110.mth

Sample table

Chromatogram overwrite : Enabled

#	Sample nam	Filename	Type	Weight
1	BY PASS	A101610001	ByP	-
2	BLANK	A101610002	Unk	20
3	BLANK	A101610003	Unk	20
4	LOW KHP	A101610004	Std	200
5	MLOW KHP	A101610005	Std	50
6	MED KHP	A101610006	Std	100
7	MHIGH KHP	A101610007	Std	200
8	HIGH KHP	A101610008	Std	50
9	XHIGH KHP	A101610009	Std	100
10	XXHIGH KHP	A101610010	Std	200
11	ICV KHP	A101610011	Unk	10
12	CCB	A101610012	Unk	20
13	CCV	A101610013	Unk	100
14	ccb	A103110001	Unk	20
15	ccv	A103110002	Unk	100
16	19aht1aa	A103110003	Unk	20
17	19aht1aa	A103110004	Unk	20
18	19aht1ac	A103110005	Unk	11
19	19aht1ac	A103110006	Unk	11.1
20	19aht1ad	A103110007	Unk	11.1
21	19aht1ad	A103110008	Unk	11.8
22	18p2j1a0	A103110009	Unk	19.5
23	18p2j1a0	A103110010	Unk	19.6
24		A103110011	Unk	1
25		A103110012	Unk	1
26	18p2j1a0	A103110013	Unk	20.2
27	18p2j1a0	A103110014	Unk	19
28		A103110015	Unk	1
29		A103110016	Unk	1
30	18v1a1a6	A103110017	Unk	11.4
31	18v1a1a6	A103110018	Unk	10.1
32		A103110019	Unk	1
33		A103110020	Unk	1
34	ccb	A103110021	Unk	20
35	ccv	A103110022	Unk	100
36	18v1h1ah	A103110023	Unk	10
37	18v1h1ah	A103110024	Unk	10.3

#	Sample nam	Filename	Type	Weight
38		A103110025	Unk	1
39		A103110026	Unk	1
40	18vljlaq	A103110027	Unk	11.8
41	18vljlaq	A103110028	Unk	10.1
42		A103110029	Unk	1
43		A103110030	Unk	1
44	1831k1a6	A103110031	Unk	5.1
45	1831k1a6	A103110032	Unk	5.2
46		A103110033	Unk	1
47		A103110034	Unk	1
48	1831k1d9	A103110035	Unk	5.9
49	1831k1d9	A103110036	Unk	5.4
50		A103110037	Unk	1
51		A103110038	Unk	1
52	1831k1d8	A103110039	Unk	5.8
53	1831k1d8	A103110040	Unk	4.3
54		A103110041	Unk	1
55		A103110042	Unk	1
56	ccb	A103110043	Unk	20
57	ccv	A103110044	Unk	100
58	1831k1ea	A103110045	Unk	5.8
59	1831k1ea	A103110046	Unk	5.3
60		A103110047	Unk	1
61		A103110048	Unk	1
62	1831w1ah	A103110049	Unk	4.8
63	1831w1ah	A103110050	Unk	5.5
64		A103110051	Unk	1
65		A103110052	Unk	1
66	1831x1ah	A103110053	Unk	5.6
67	1831x1ah	A103110054	Unk	4.7
68		A103110055	Unk	1
69		A103110056	Unk	1
70	183111ah	A103110057	Unk	5.1
71	183111ah	A103110058	Unk	5.5
72		A103110059	Unk	1
73		A103110060	Unk	1
74	184r11av	A103110061	Unk	19.4
75	184r11av	A103110062	Unk	21.1
76		A103110063	Unk	1
77		A103110064	Unk	1
78	ccb	A103110065	Unk	20
79	ccv	A103110066	Unk	100
80	184r11av	A103110067	Unk	20.5
81	184r11av	A103110068	Unk	21.5
82		A103110069	Unk	1
83		A103110070	Unk	1

#	Sample nam	Filename	Type	Weight
84	184rp1a3	A103110071	Unk	20.9
85	184rp1a3	A103110072	Unk	21.9
86		A103110073	Unk	1
87		A103110074	Unk	1
88	184rp1a3	A103110075	Unk	20.3
89	184rp1a3	A103110076	Unk	20.1
90		A103110077	Unk	1
91		A103110078	Unk	1
92	184r31a3	A103110079	Unk	19.3
93	184r31a3	A103110080	Unk	21.6
94		A103110081	Unk	1
95		A103110082	Unk	1
96	184r31a3	A103110083	Unk	21.9
97	184r31a3	A103110084	Unk	20.3
98		A103110085	Unk	1
99		A103110086	Unk	1
100	ccb	A103110087	Unk	20
101	ccv	A103110088	Unk	100
102	184r61a3	A103110089	Unk	20.1
103	184r61a3	A103110090	Unk	20.1
104		A103110091	Unk	1
105		A103110092	Unk	1
106	184r61a3	A103110093	Unk	21.8
107	184r61a3	A103110094	Unk	20.6
108		A103110095	Unk	1
109		A103110096	Unk	1
110	184r81a3	A103110097	Unk	22
111	184r81a3	A103110098	Unk	20.2
112		A103110099	Unk	1
113		A103110100	Unk	1
114	184r81a3	A103110101	Unk	21.6
115	184r81a3	A103110102	Unk	21.4
116		A103110103	Unk	1
117		A103110104	Unk	1
118	184r91a3	A103110105	Unk	20.1
119	184r91a3	A103110106	Unk	21.3
120		A103110107	Unk	1
121		A103110108	Unk	1
122	ccb	A103110109	Unk	20
123	ccv	A103110110	Unk	100
124	184r91a3	A103110111	Unk	19.7
125	184r91a3	A103110112	Unk	20.9
126		A103110113	Unk	1
127		A103110114	Unk	1
128	184ta1a3	A103110115	Unk	21.1
129	184ta1a3	A103110116	Unk	19.2

#	Sample nam	Filename	Type	Weight
130		A103110117	Unk	1
131		A103110118	Unk	1
132	184ta1a3	A103110119	Unk	20.6
133	184ta1a3	A103110120	Unk	20.9
134		A103110121	Unk	1
135		A103110122	Unk	1
136	ccb	A103110123	Unk	20
137	ccv	A103110124	Unk	100

Eager 300 for Windows

Method name : Lloyd Kahn TOC
Method filename : C:\data\January\110110.mth

Sample table

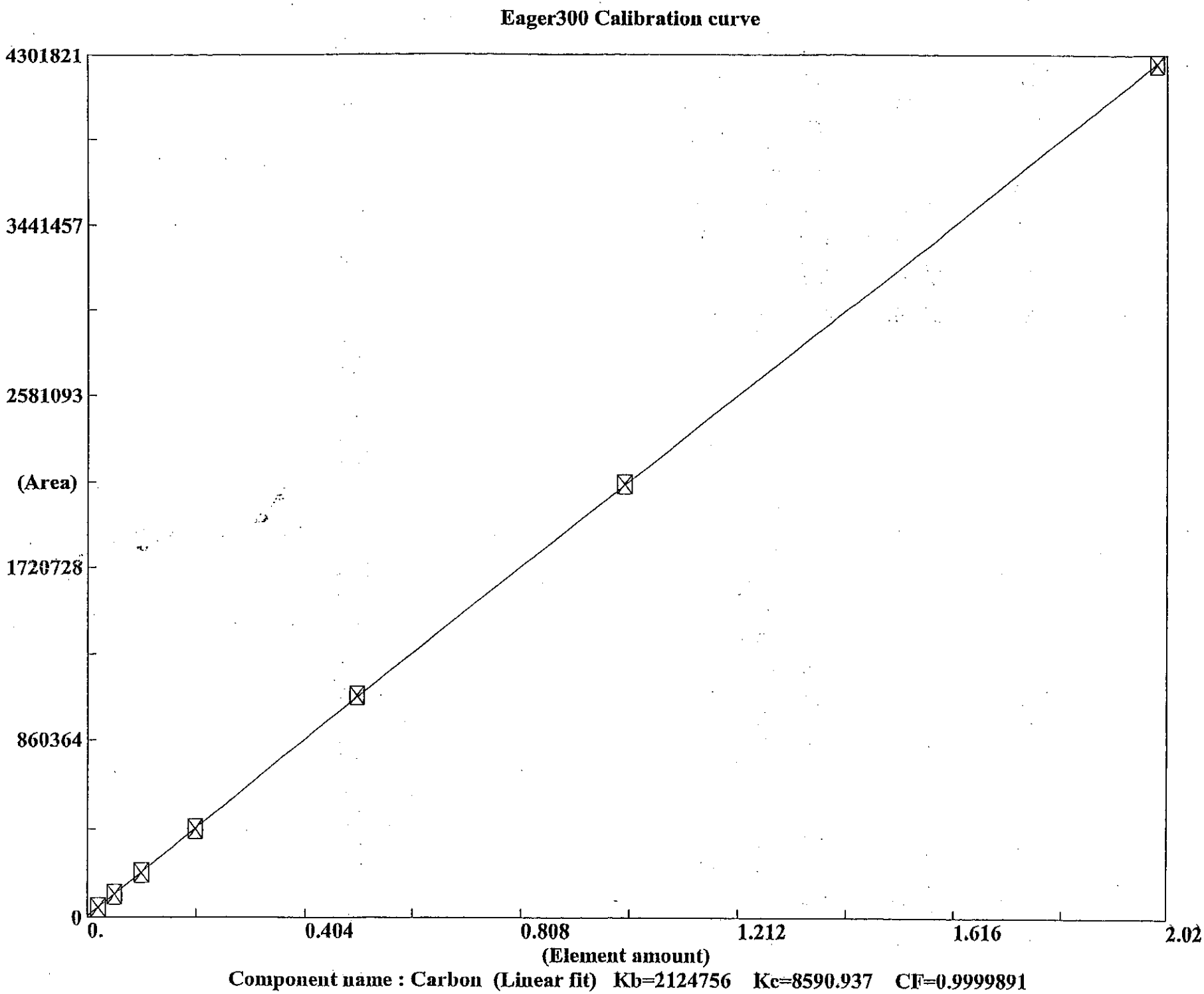
Chromatogram overwrite : Enabled

#	Sample nam	Filename	Type	Weight
1	BY PASS	A101610001	ByP	-
2	BLANK	A101610002	Unk	20
3	BLANK	A101610003	Unk	20
4	LOW KHP	A101610004	Std	200
5	MLOW KHP	A101610005	Std	50
6	MED KHP	A101610006	Std	100
7	MHIGH KHP	A101610007	Std	200
8	HIGH KHP	A101610008	Std	50
9	XHIGH KHP	A101610009	Std	100
10	XXHIGH KHP	A101610010	Std	200
11	ICV KHP	A101610011	Unk	10
12	CCB	A101610012	Unk	20
13	CCV	A101610013	Unk	100
14	ccb	A103110123	Unk	20
15	ccv	A103110124	Unk	100
16	184tc1a3	A103110125	Unk	21.4
17	184tc1a3	A103110126	Unk	20.3
18	184tc1a3	A103110129	Unk	21.2
19	184tc1a3	A103110130	Unk	20.6
20	184td1a3	A103110133	Unk	21
21	184td1a3	A103110134	Unk	21.2
22	184td1a3	A103110137	Unk	21.2
23	184td1a3	A103110138	Unk	20.5
24	184te1a3	A103110141	Unk	20.2
25	184te1a3	A103110142	Unk	20.3
26	ccb	A103110145	Unk	20
27	ccv	A103110146	Unk	100
28	184te1a3	A103110147	Unk	21
29	184te1a3	A103110148	Unk	21.5
30	187wr1ac	A103110151	Unk	11
31	187wr1ac	A103110152	Unk	11.9
32	187w01ac	A103110155	Unk	9.6
33	187w01ac	A103110156	Unk	10.9
34	ccb	A103110159	Unk	20
35	ccv	A103110160	Unk	100

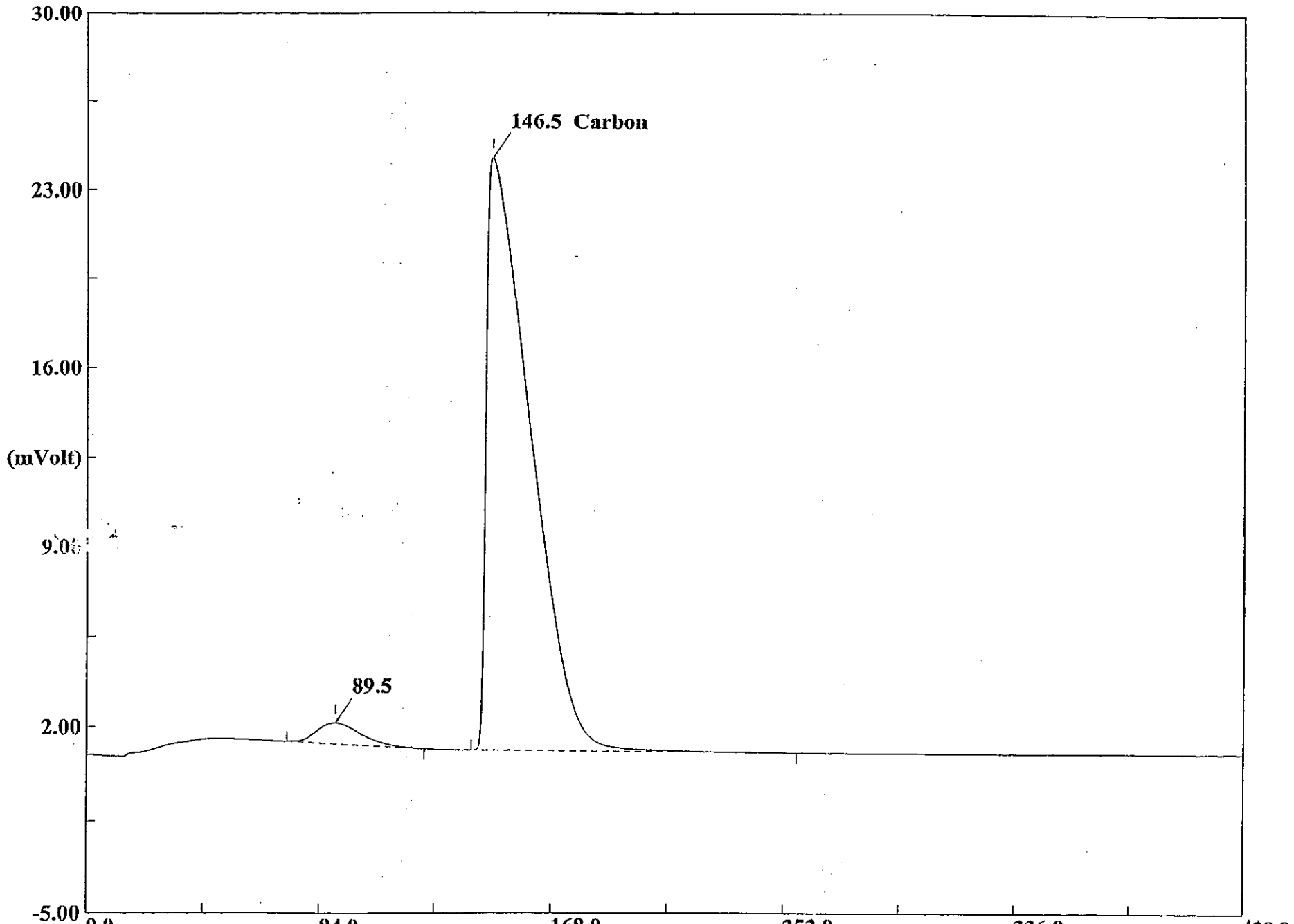
C0J210496

4033

(4001-4344)



C0J210496



4034

(4001-4344)

Eager 300 Report

Page: 1 Sample: BY PASS (A101610001)

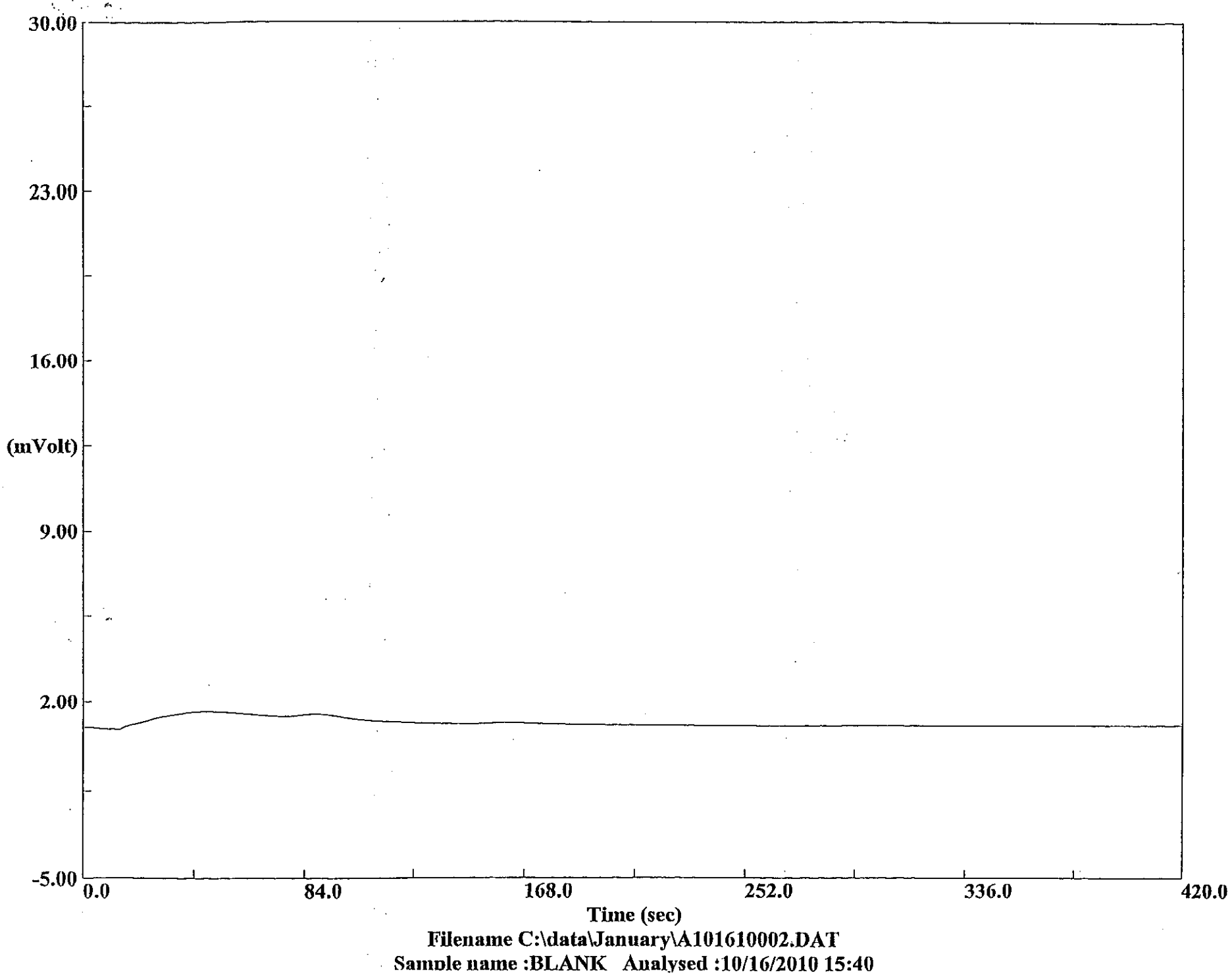
Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610001
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 15:33 Printed : 10/17/2010 10:24
Sample ID : BY PASS (# 1) Instrument N. : Instrument #1
Analysis Type : By-Pass (Area) Sample weight :---

Calib. method : using 'Least Squares to Linear fit'

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio
Carbon	0.0000	147	4206591	RS	1.000000

Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496



4036

(4001-4344)

Eager 300 Report

Page: 1 Sample: BLANK (A101610002)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610002
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 15:40 Printed : 10/17/2010 10:24
Sample ID : BLANK (# 2) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

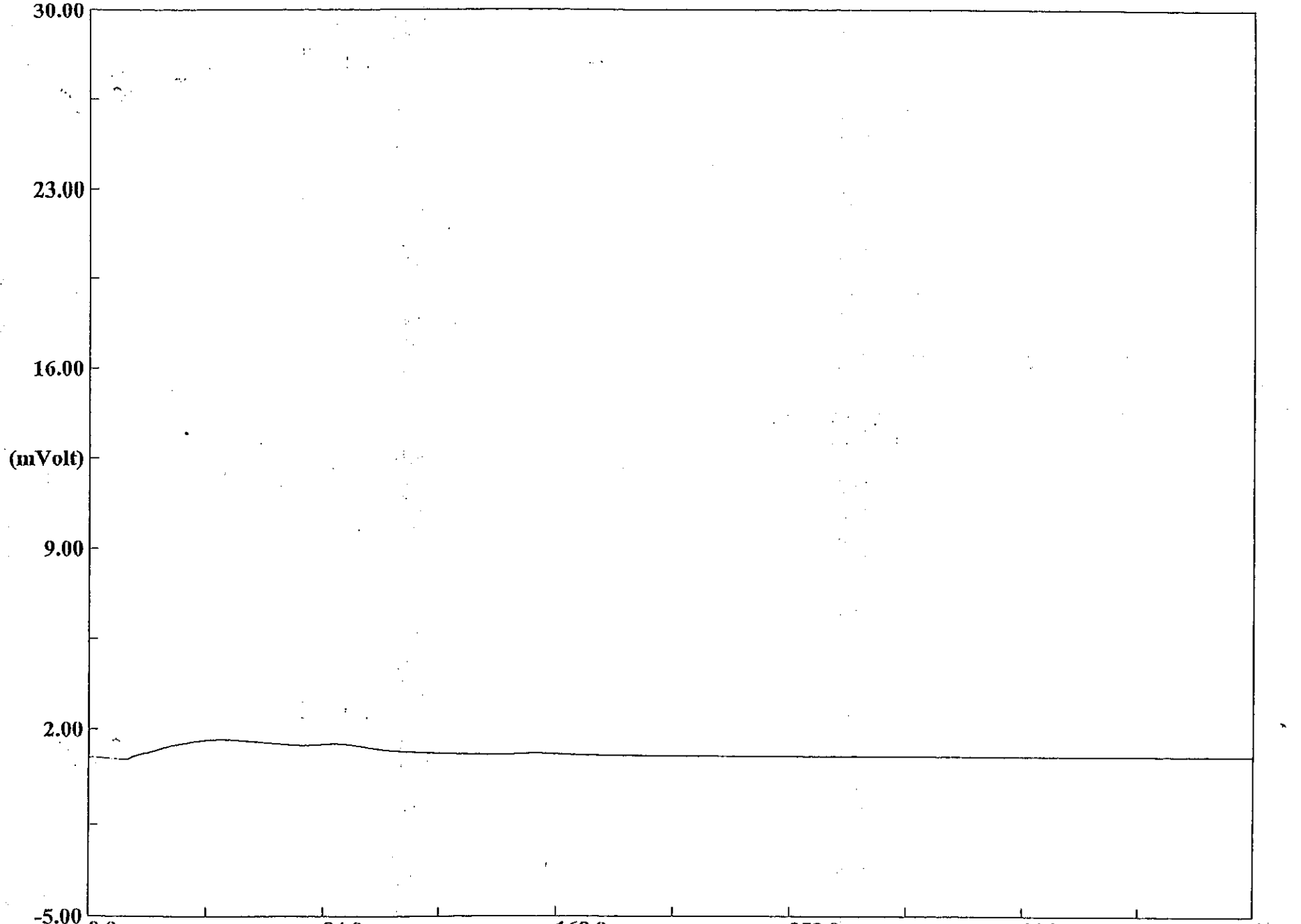
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496



4038

(4001-4344)

Eager 300 Report

Page: 1 Sample: BLANK (A101610003)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610003
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 15:48 Printed : 10/17/2010 10:24
Sample ID : BLANK (# 3) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

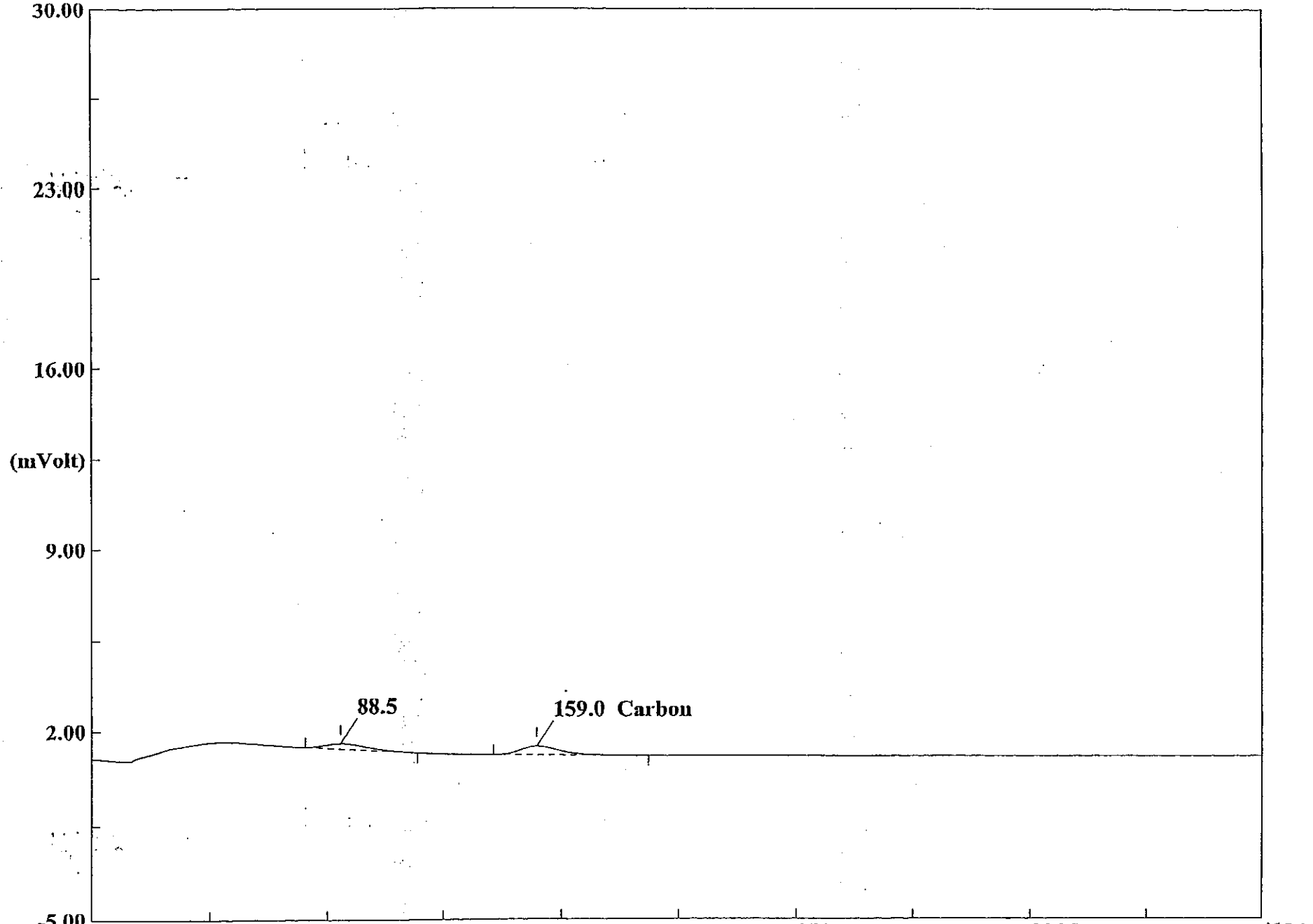
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496



4040

(4001-4344)

Eager 300 Report

Page: 1 Sample: LOW KHP (A101610004)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610004
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 15:55 Printed : 10/17/2010 10:24
Sample ID : LOW KHP (# 4) Instrument N. : Instrument #1
Analysis Type : Calibration (Area) Sample weight : 200

Calib. method : using 'Least Squares to Linear fit'

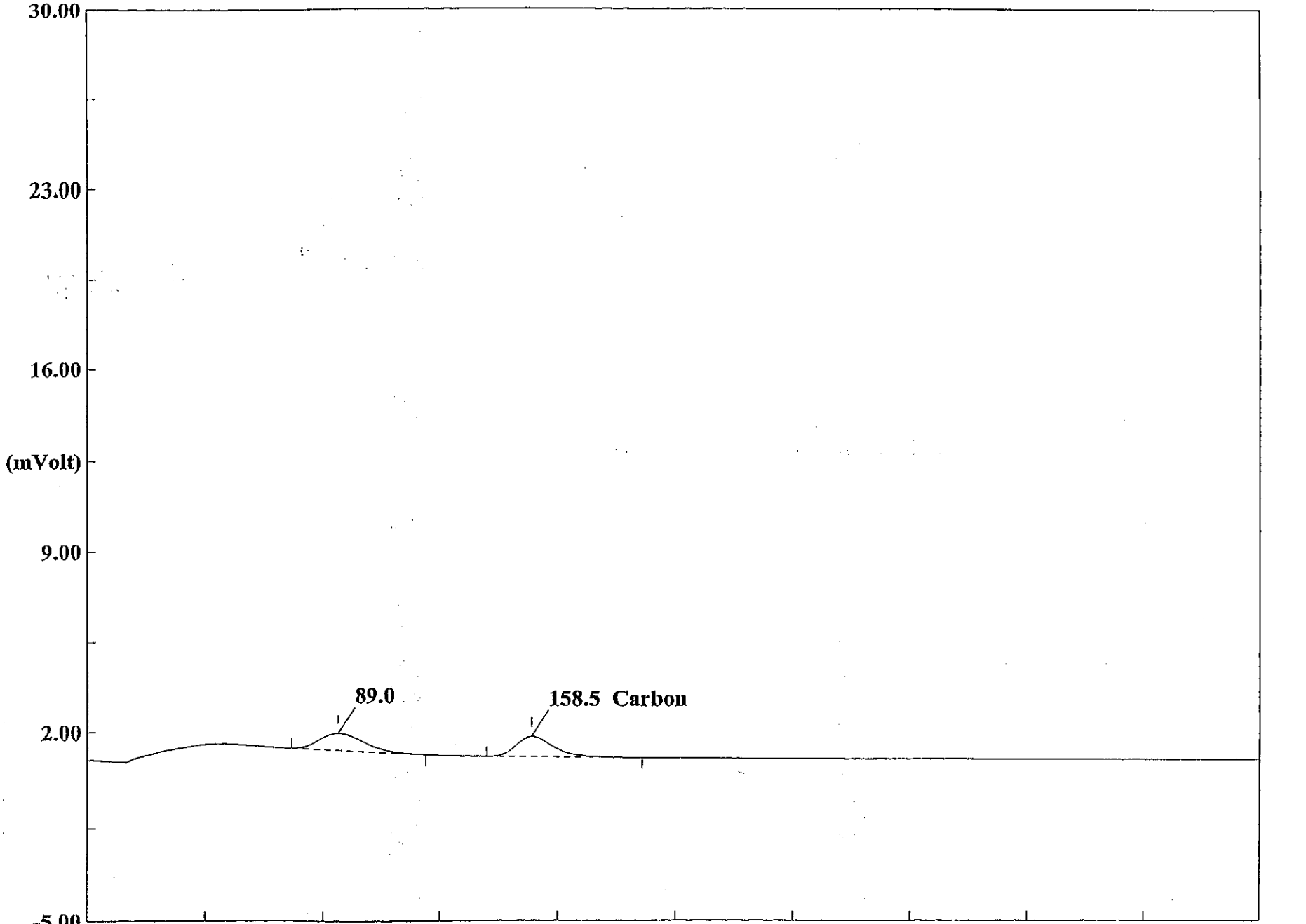
Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0100	159	48394	RS	1.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level
Carbon	153	....	....	1

Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496



4042

(4001-4344)

Eager 300 Report

Page: 1 Sample: MLOW KHP (A101610005)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610005
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 16:02 Printed : 10/17/2010 10:24
Sample ID : MLOW KHP (# 5) Instrument N. : Instrument #1
Analysis Type : Calibration (Area) Sample weight : 50

Calib. method : using 'Least Squares to Linear fit'

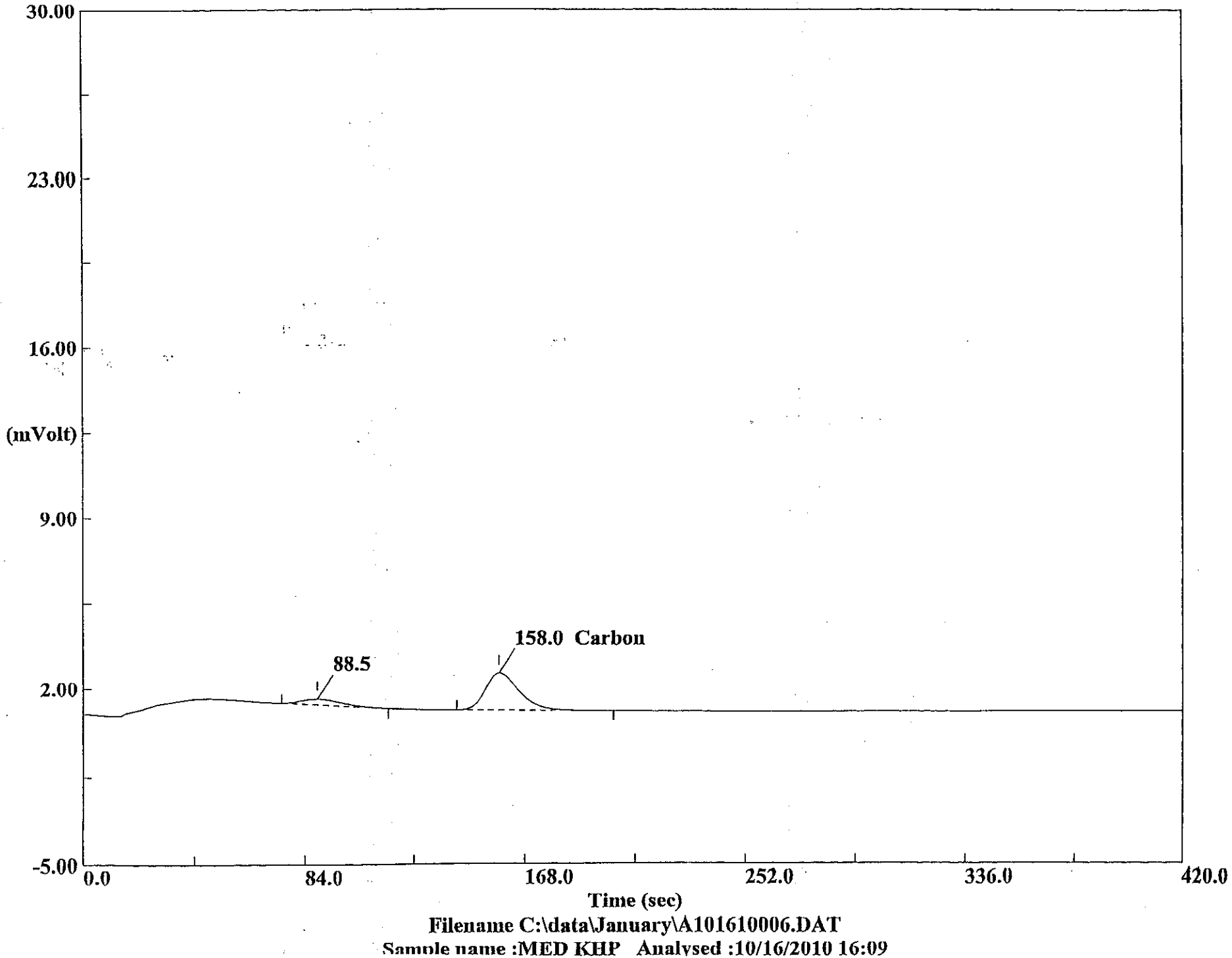
Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1000	159	113206	RS	1.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level
Carbon	153	2.160417E+06	5.185164E+03	2

Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496



4044

(4001-4344)

Eager 300 Report

 Sample: MED KHP (A101610006)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610006
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 16:09 Printed : 10/17/2010 10:24
Sample ID : MED KHP (# 6) Instrument N. : Instrument #1
Analysis Type : Calibration (Area) Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1000	158	218390	RS	1.000000	

Coefficents of least squares fit to linear equation

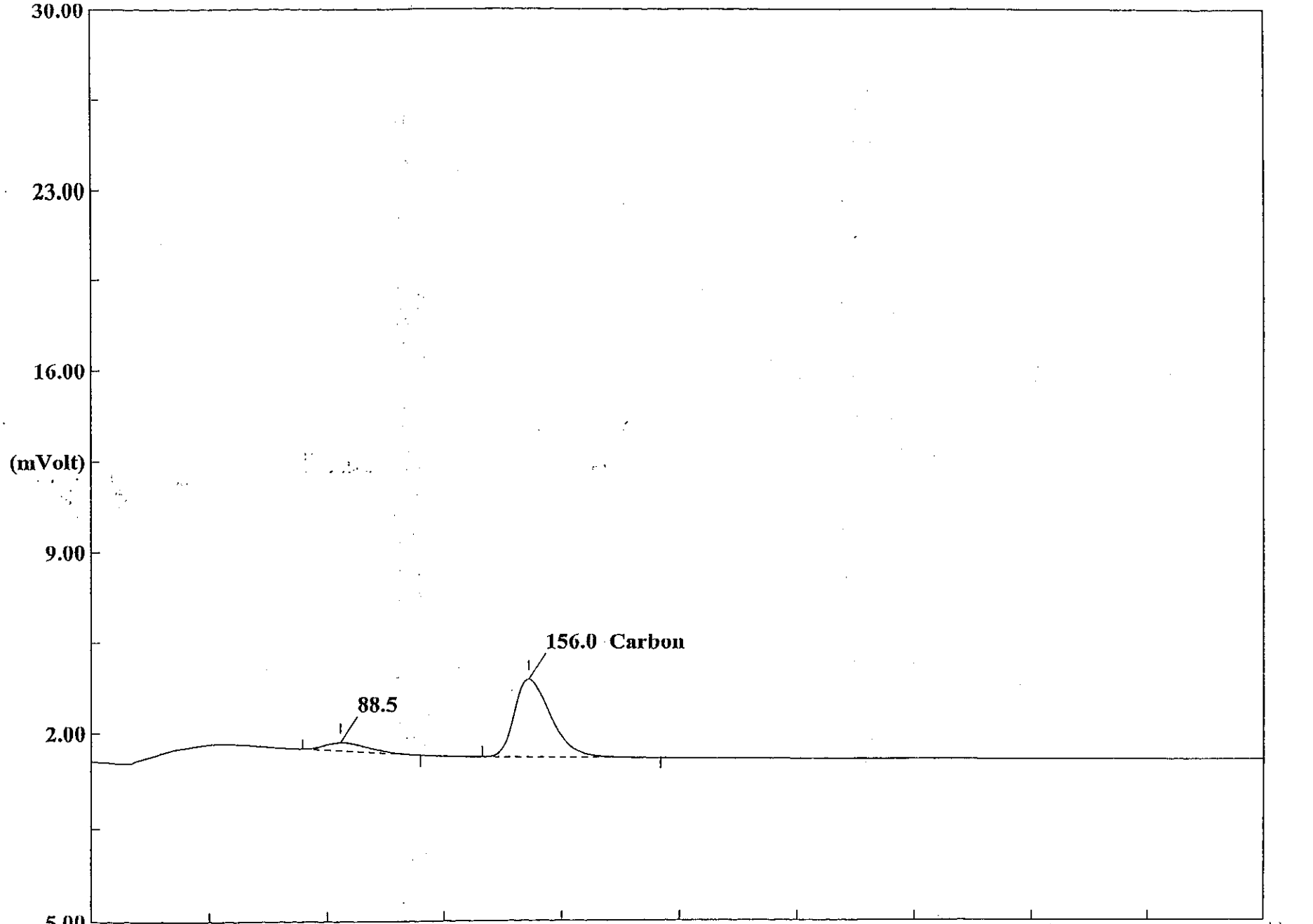
Element Name	Ret.Time	X Term	Intercept	Level
Carbon	153	2.122779E+06	6.372217E+03	3

Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4046

(4001-4344)



Filename C:\data\January\A101610007.DAT

Sample name :MHIGH KHP Analysed :10/16/2010 16:17

Eager 300 Report

Page: 1 Sample: MHIGH KHP (A101610007)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610007
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 16:17 Printed : 10/17/2010 10:24
Sample ID : MHIGH KHP (# 7) Instrument N. : Instrument #1
Analysis Type : Calibration (Area) Sample weight : 200

Calib. method : using 'Least Squares to Linear fit'

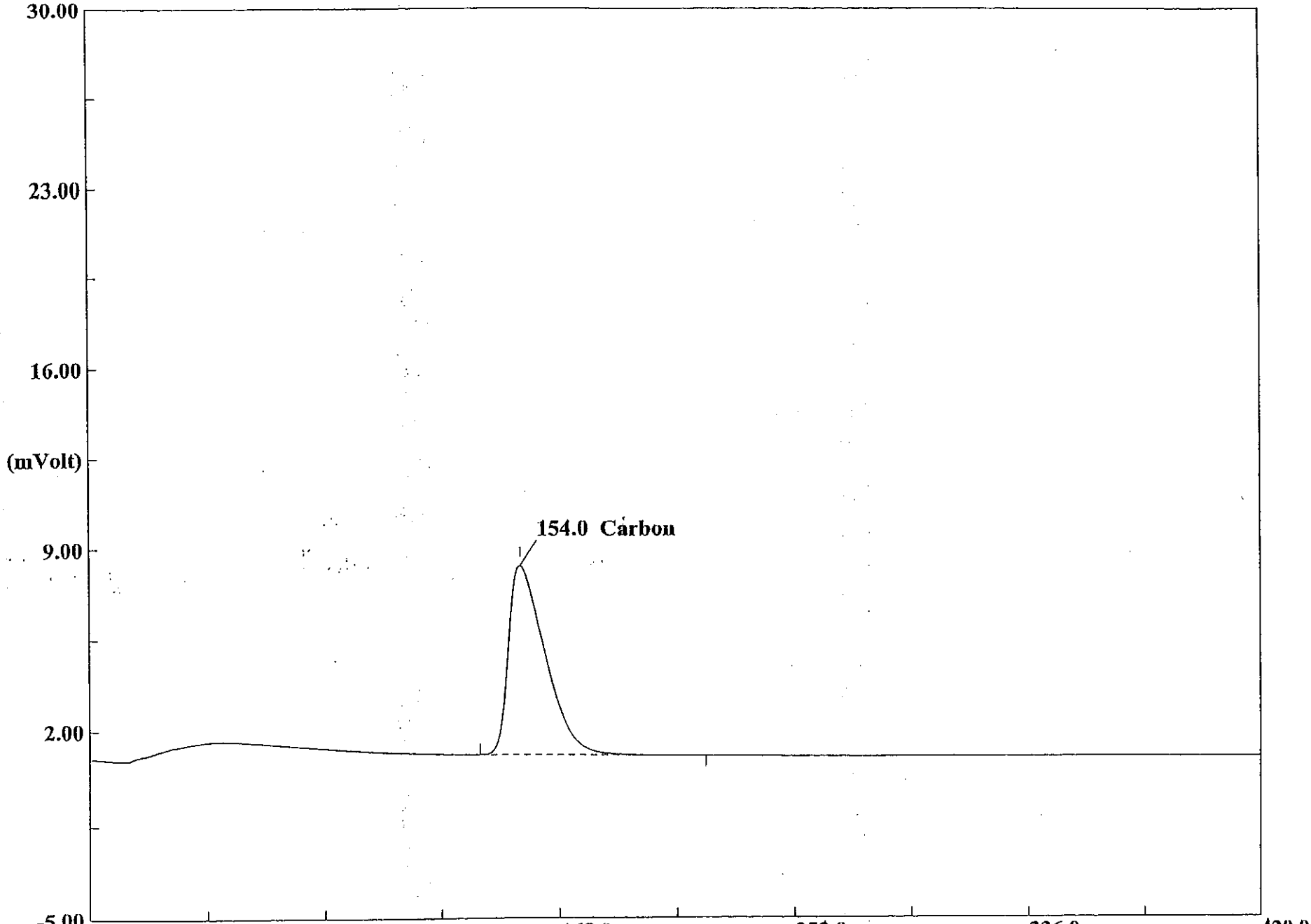
Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1000	156	430597	RS	1.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level
Carbon	153	2.120871E+06	6.465828E+03	4

Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496



4048

(4001-4344)

Eager 300 Report

Page: 1 Sample: HIGH KHP (A101610008)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610008
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 16:24 Printed : 10/17/2010 10:24
Sample ID : HIGH KHP (# 8) Instrument N. : Instrument #1
Analysis Type : Calibration (Area) Sample weight : 50

Calib. method : using 'Least Squares to Linear fit'

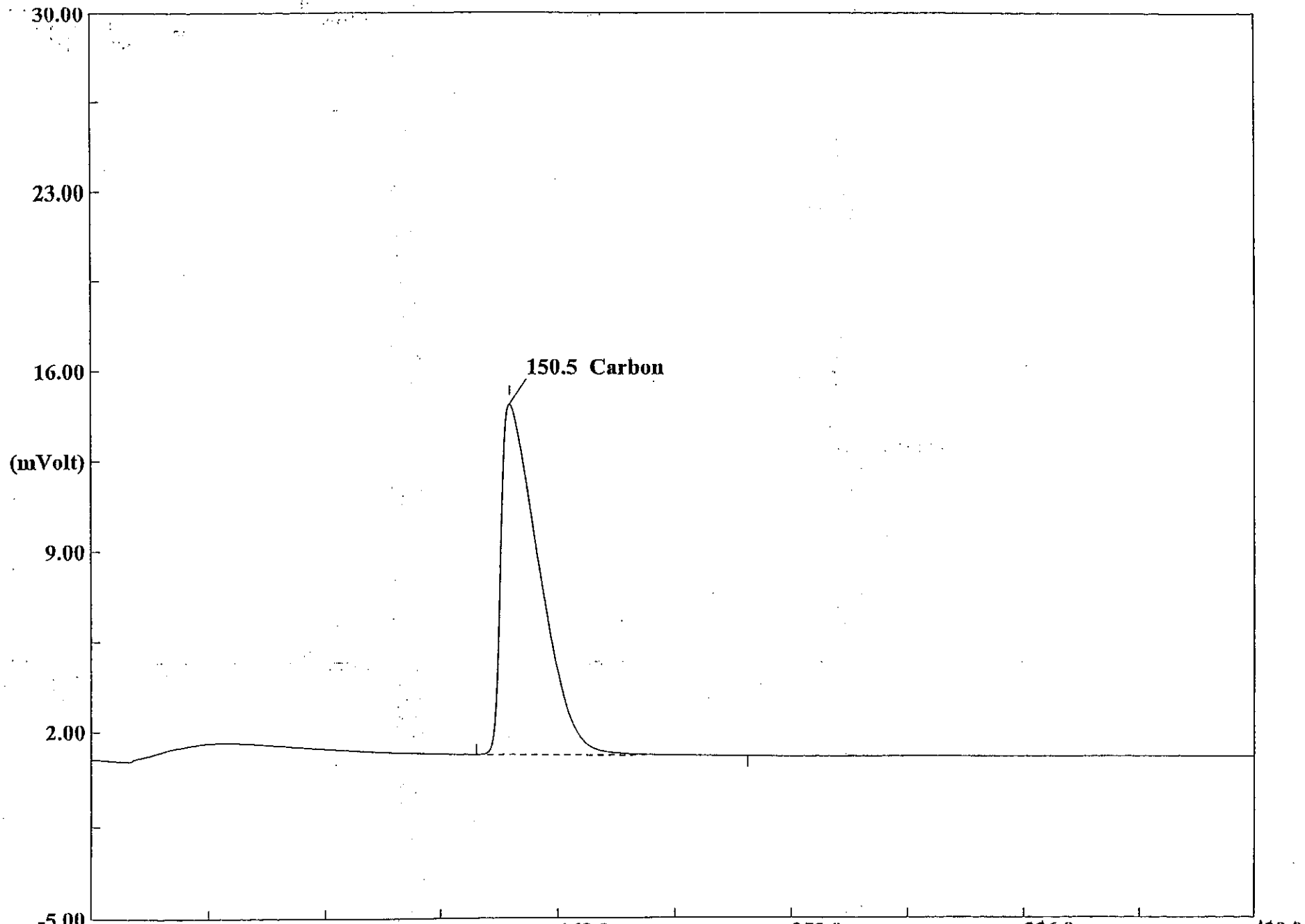
Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.0000	154	1079509	RS	1.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level
Carbon	153	2.147996E+06	4.267538E+03	5

Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496



4050

(4001-4344)

Eager 300 Report

Page: 1 Sample: XHIGH KHP (A101610009)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610009
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 16:31 Printed : 10/17/2010 10:24
Sample ID : XHIGH KHP (# 9) Instrument N. : Instrument #1
Analysis Type : Calibration (Area) Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

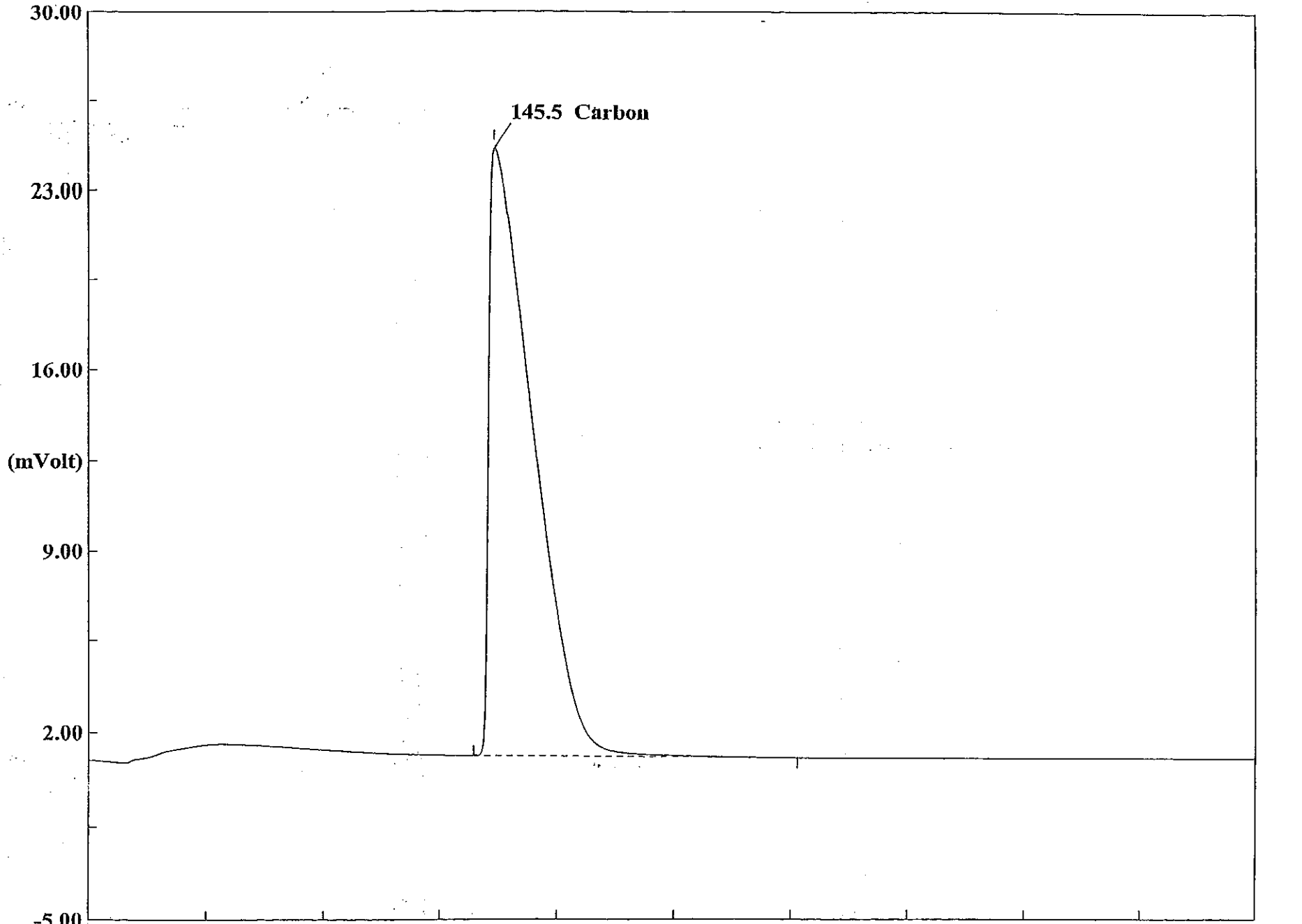
Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.0000	151	2139422	RS	1.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level
Carbon	153	2.135721E+06	5.953109E+03	6

Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496



4052

(4001-4344)

Eager 300 Report

Page: 1 Sample: XXHIGH KHP (A101610010)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610010
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 16:38 Printed : 10/17/2010 10:24
Sample ID : XXHIGH KHP (# 10) Instrument N. : Instrument #1
Analysis Type : Calibration (Area) Sample weight : 200

Calib. method : using 'Least Squares to Linear fit'

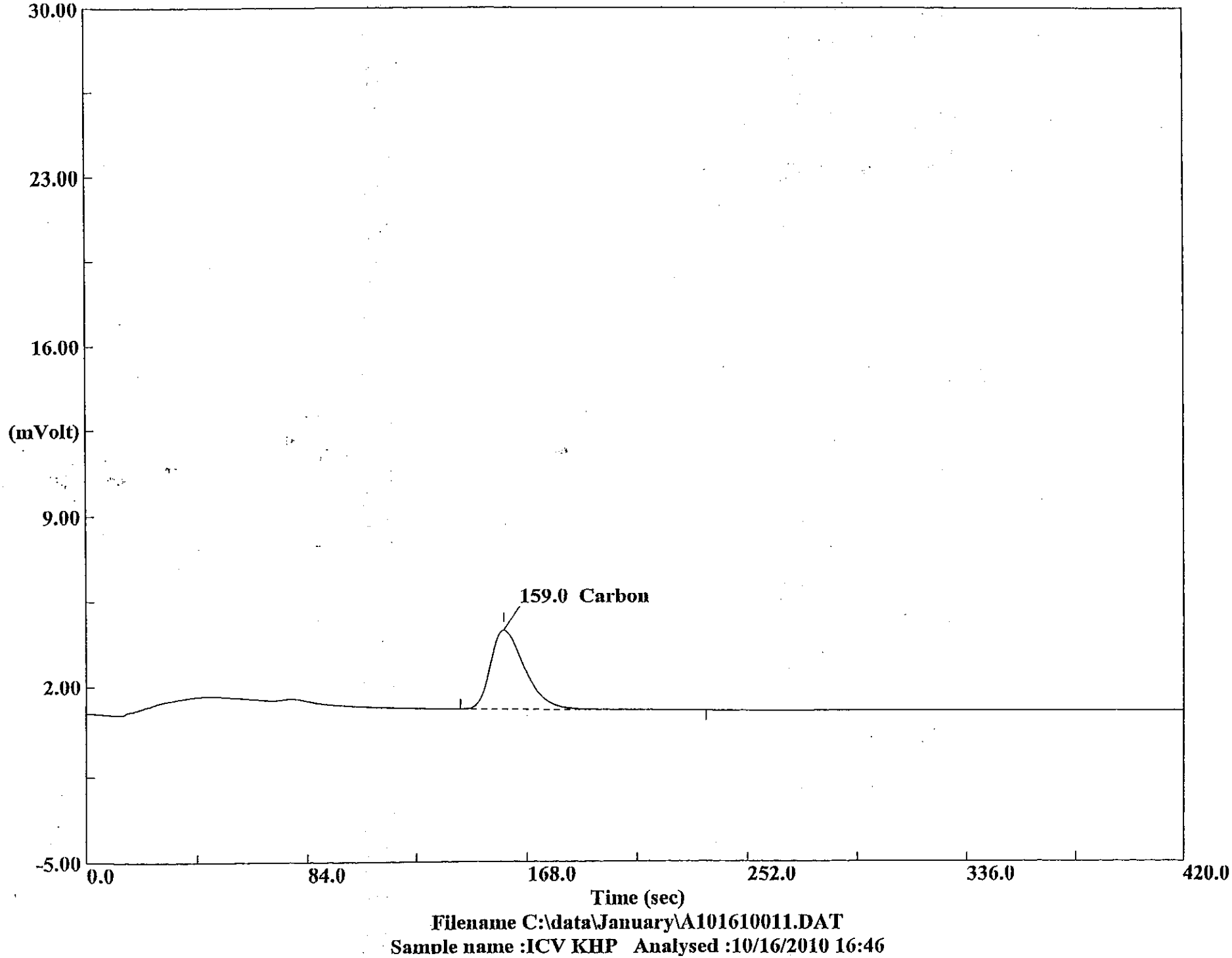
Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.0000	146	4253427	RS	1.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level
Carbon	153	2.124756E+06	8.590937E+03	7

Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496



4054

(4001-4344)

Eager 300 Report

Page: 1 Sample: ICV KHP (A101610011)

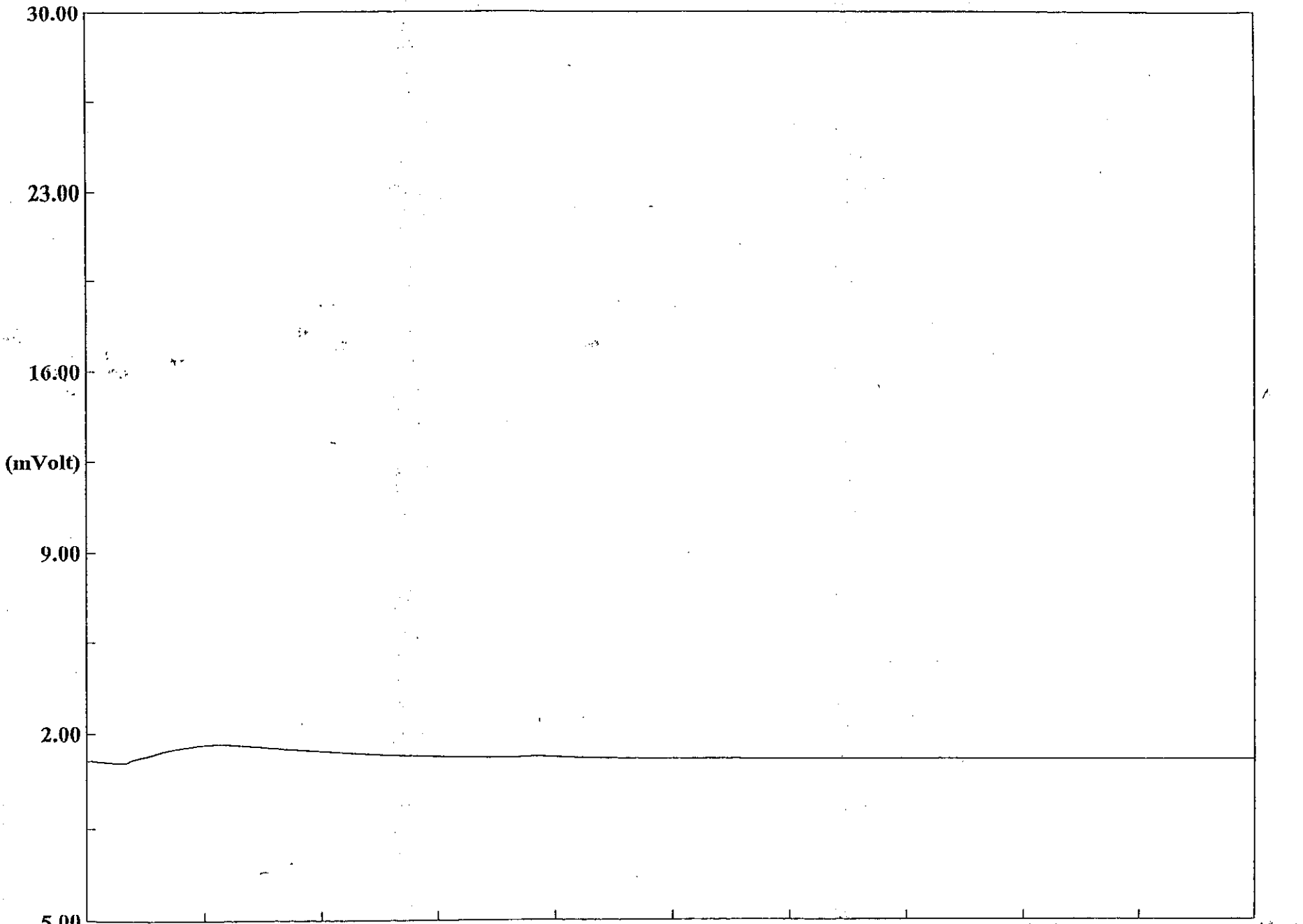
Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610011
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 16:46 Printed : 10/17/2010 10:24
Sample ID : ICV KHP (# 11) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10

Calib. method : using 'Least Squares to Linear fit'

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.1579	159	467088	RS	1.000000	

Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496



4056

(4001-4344)

Eager 300 Report

Page: 1 Sample: CCB (A101610012)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610012
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 16:53 Printed : 10/17/2010 10:24
Sample ID : CCB (# 12) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

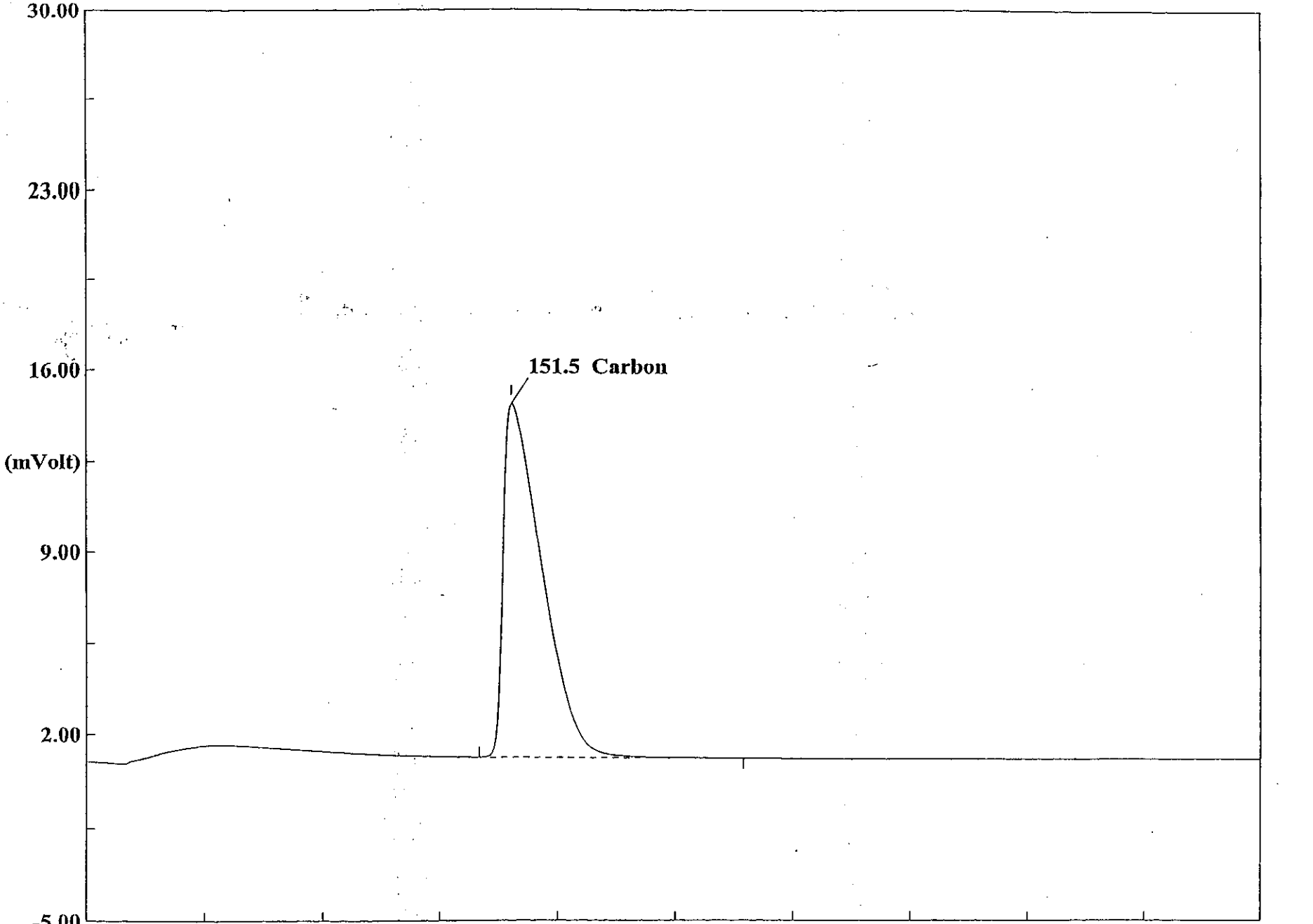
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496



4058

(4001-4344)

Eager 300 Report

Page: 1 Sample: CCV (A101610013)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610013
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 17:00 Printed : 10/17/2010 10:24
Sample ID : CCV (# 13) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.0020	152	2137492	RS	1.000000	

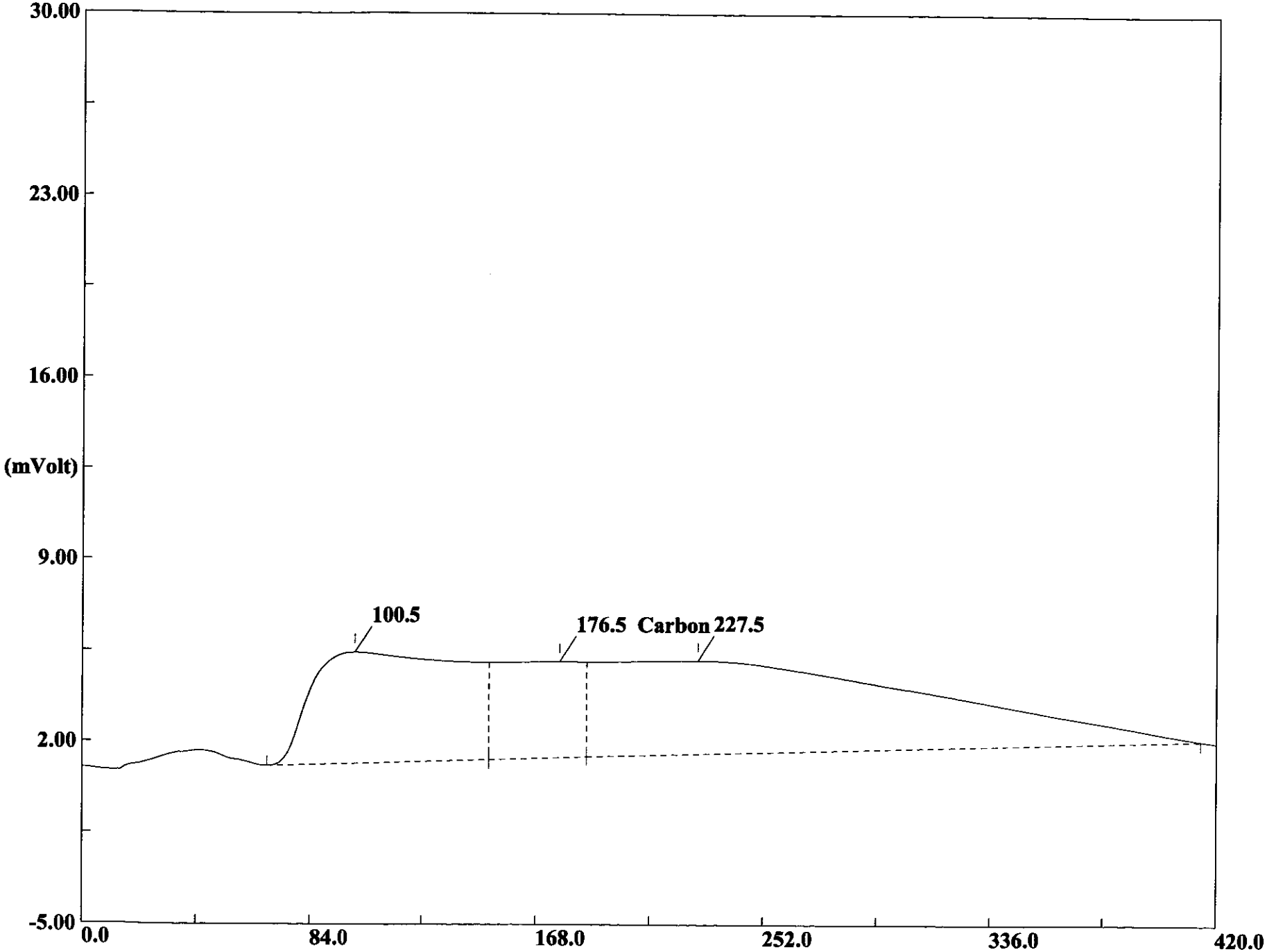
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4060

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110001.DAT

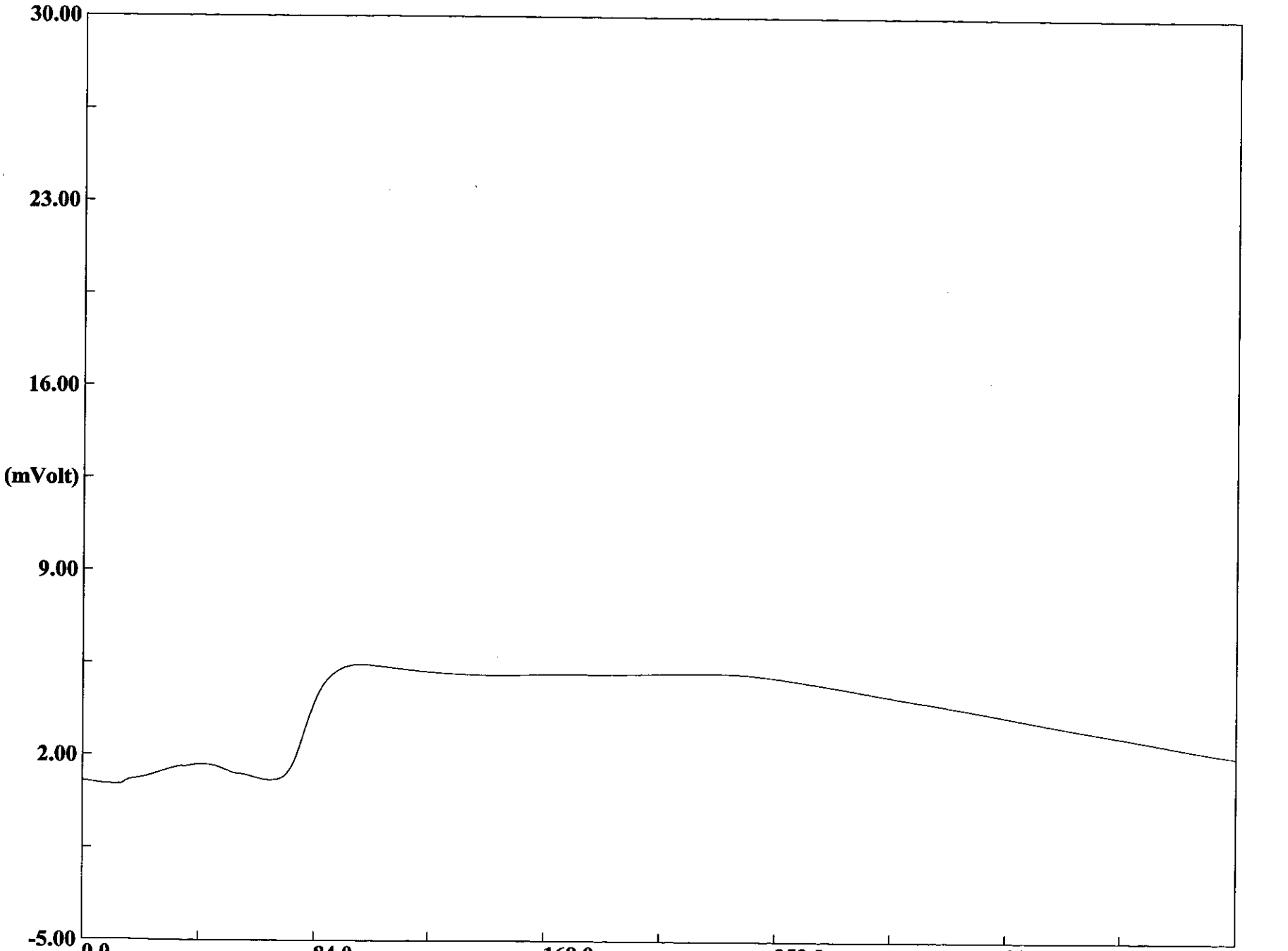
Sample name :ccb Analysed :10/31/2010 16:51

C0J210496

4061

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110001.DAT

Sample name :ccb Analysed :10/31/2010 16:51

Eager 300 Report

Page: 1 Sample: ccb (A103110001)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110001
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 16:51 Printed : 11/1/2010 07:47
Sample ID : ccb (# 14) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

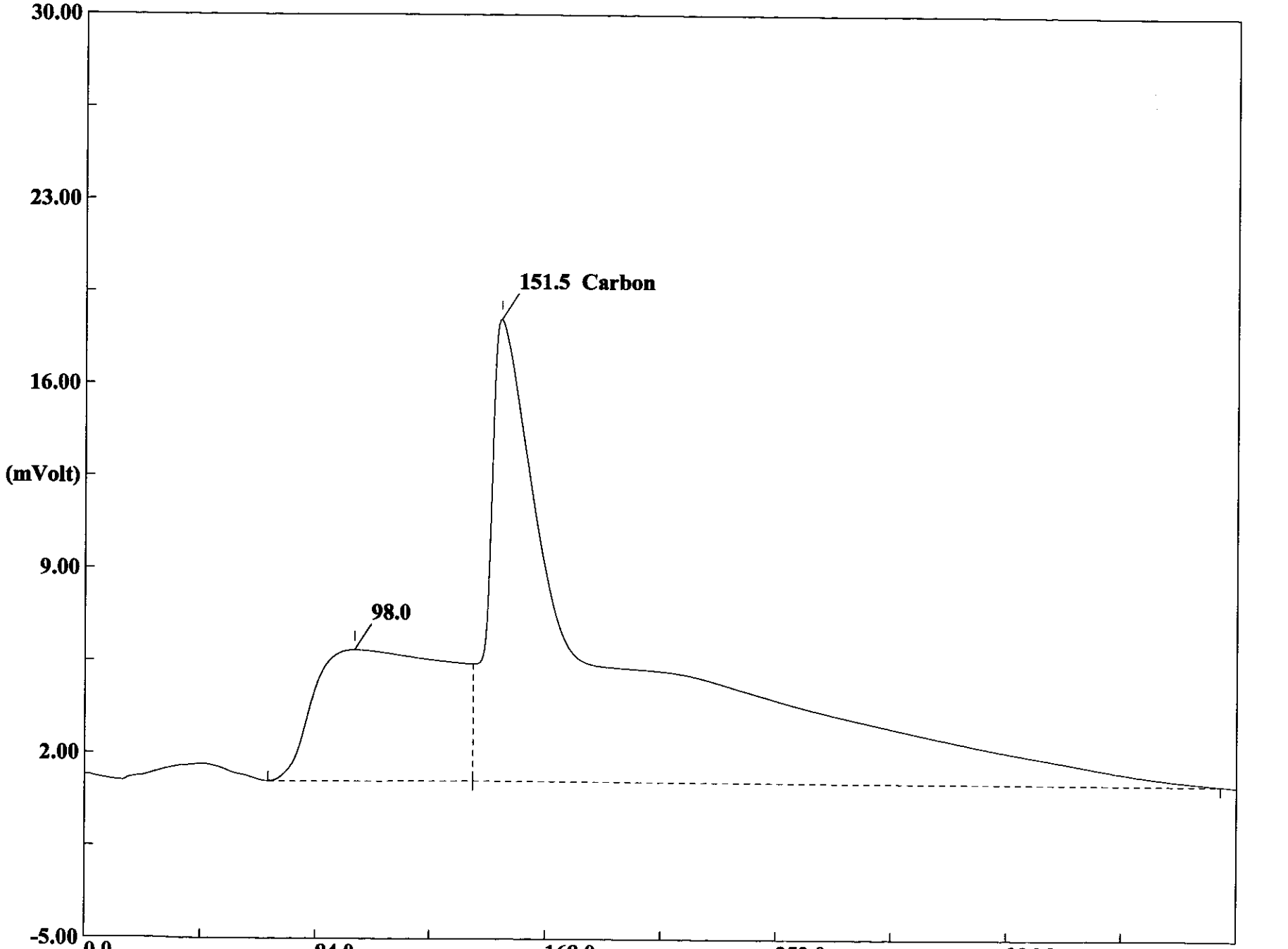
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4063

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110002.DAT

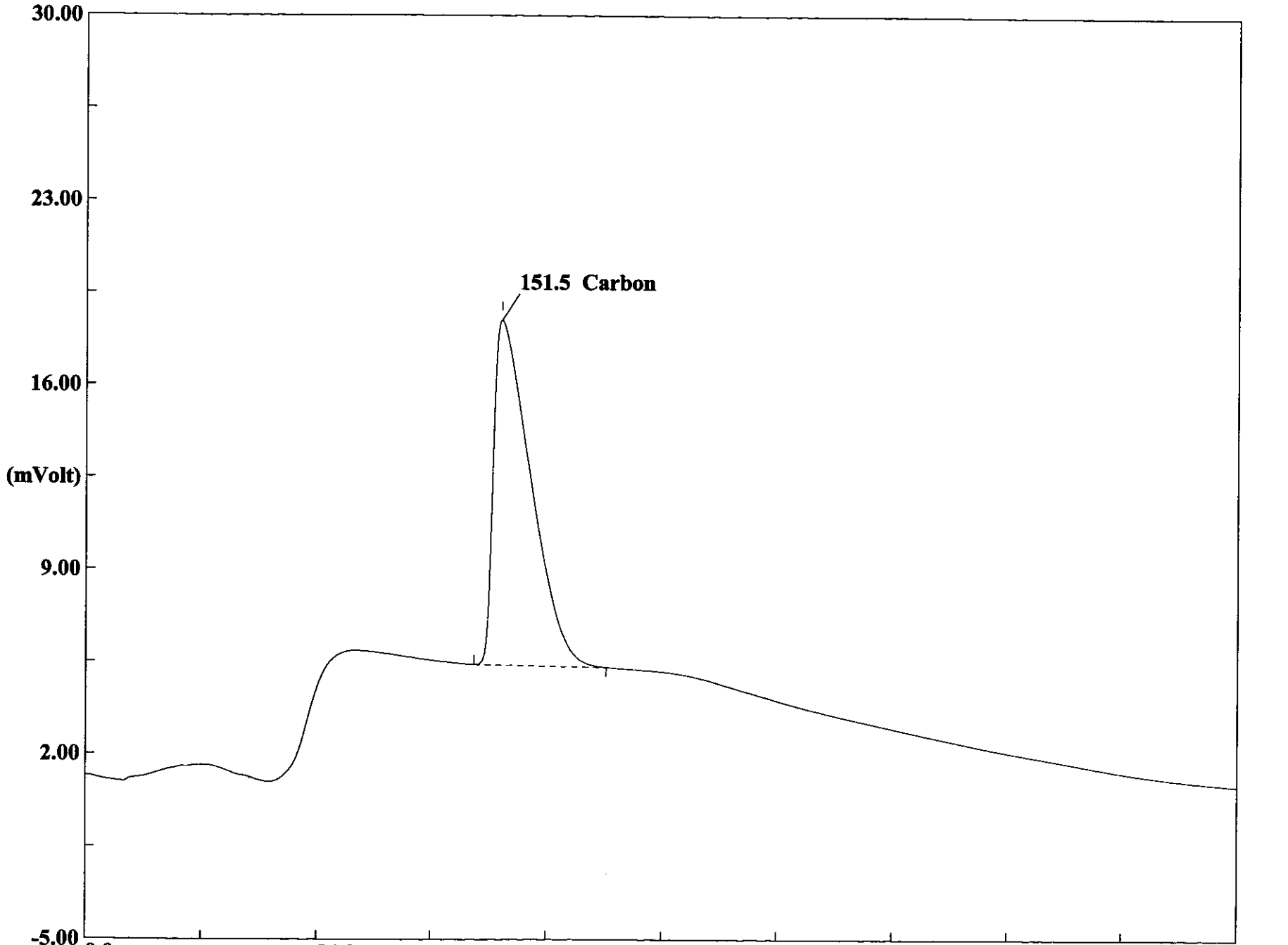
Sample name :ccv Analysed :10/31/2010 16:58

C0J210496

4064

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110002.DAT

Sample name :ccv Analysed :10/31/2010 16:58

Eager 300 Report

 Sample: ccv (A103110002)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110002
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 16:58
Printed : 11/1/2010 07:47
Sample ID : ccv (# 15)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9592	152	2046715	mi	1.000000	

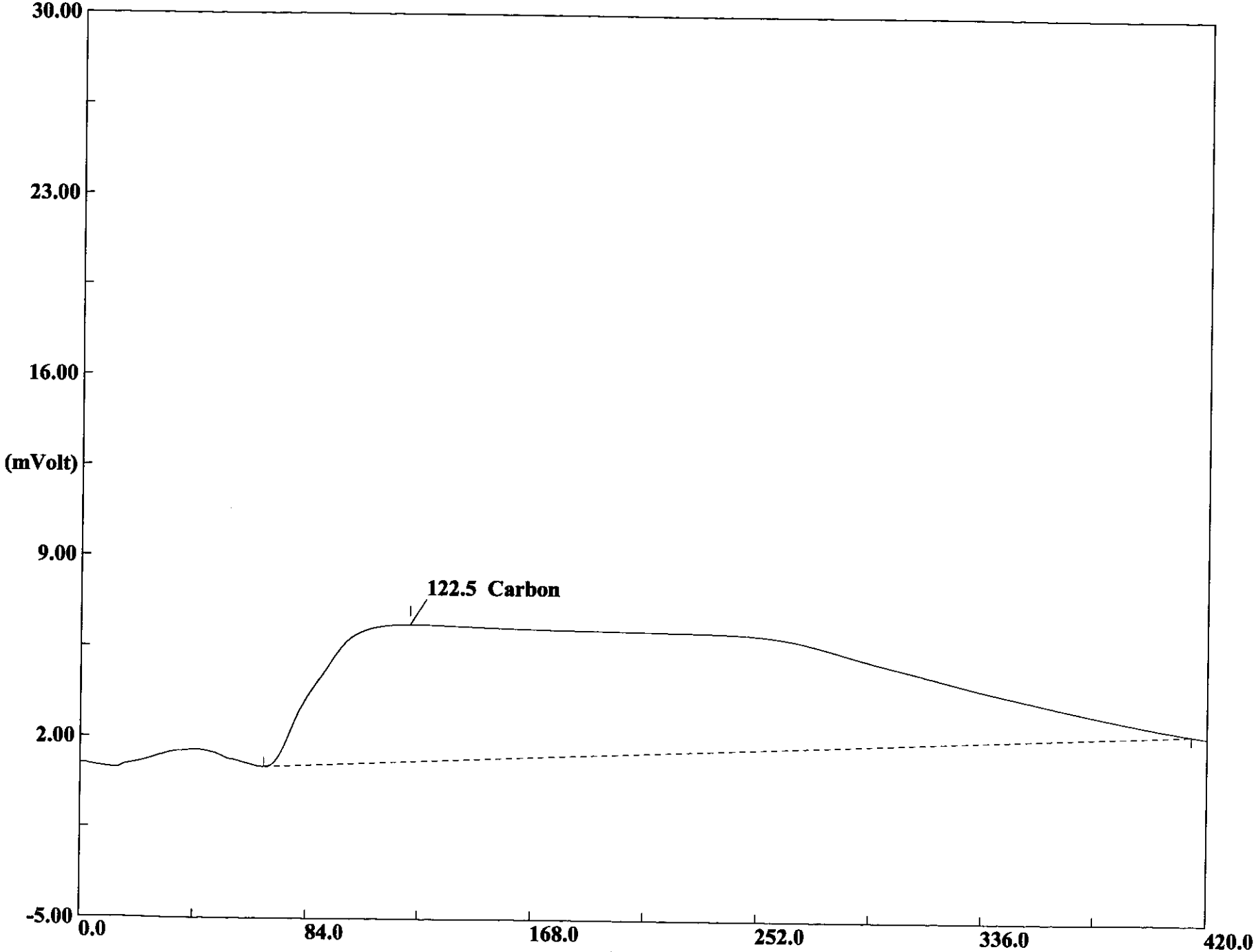
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4066

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110003.DAT

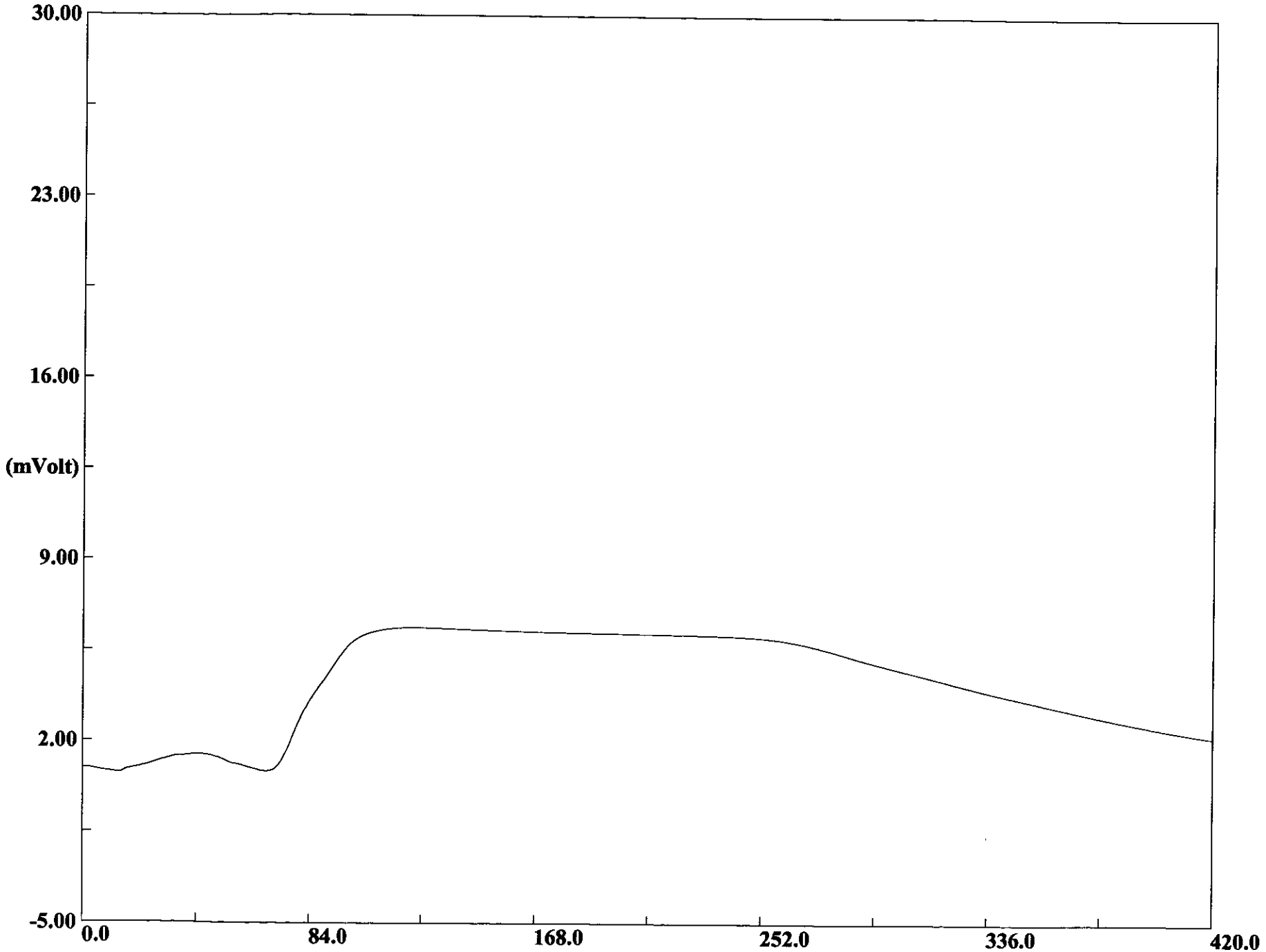
Sample name :l9aht1aa Analysed :10/31/2010 17:05

C0J210496

4067

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110003.DAT

Sample name :l9aht1aa Analysed :10/31/2010 17:05

Eager 300 Report

 Sample: 19aht1aa (A103110003)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110003
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 17:05 Printed : 11/1/2010 07:47
Sample ID : 19aht1aa (# 16) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

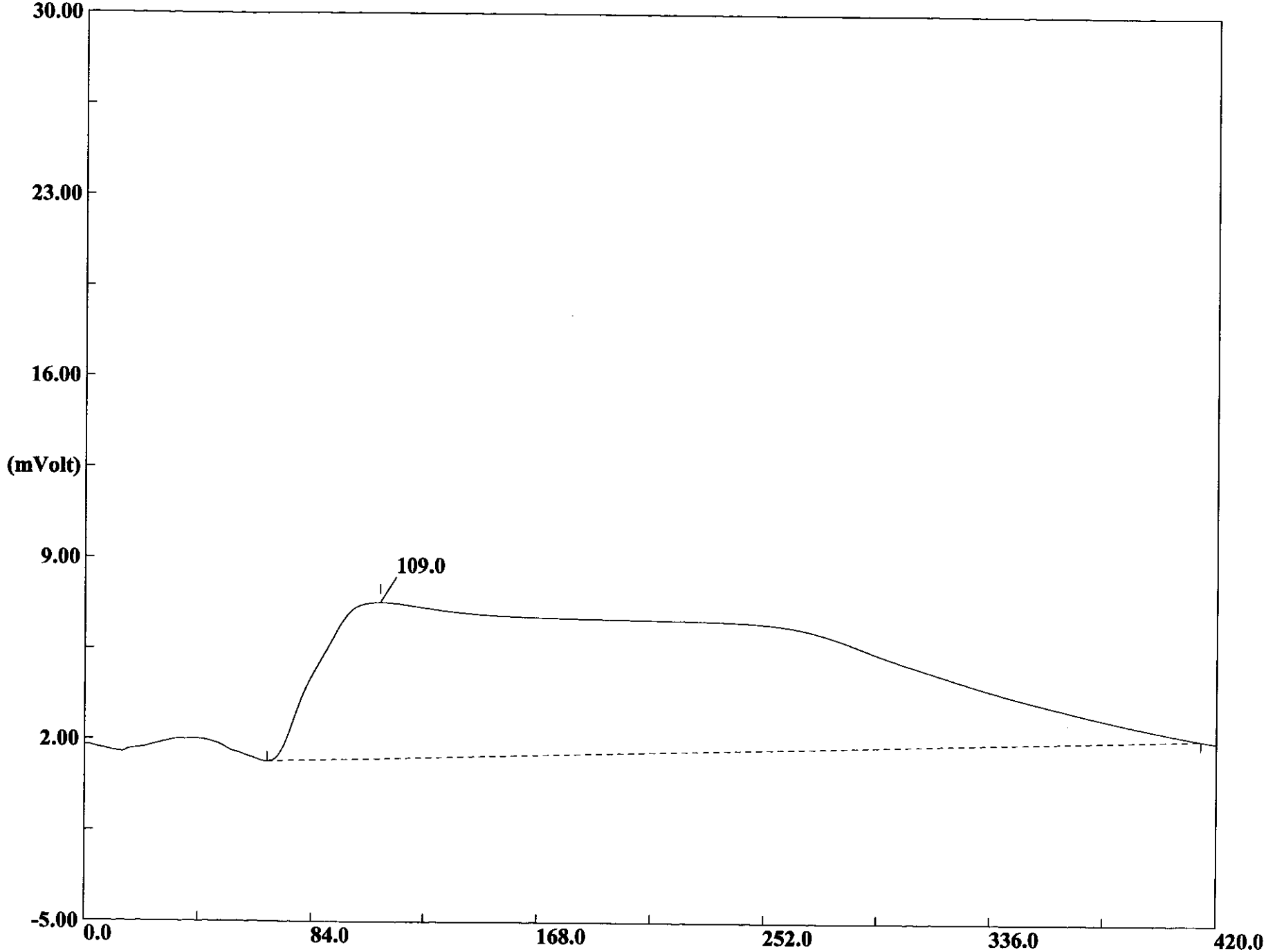
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4069

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110004.DAT

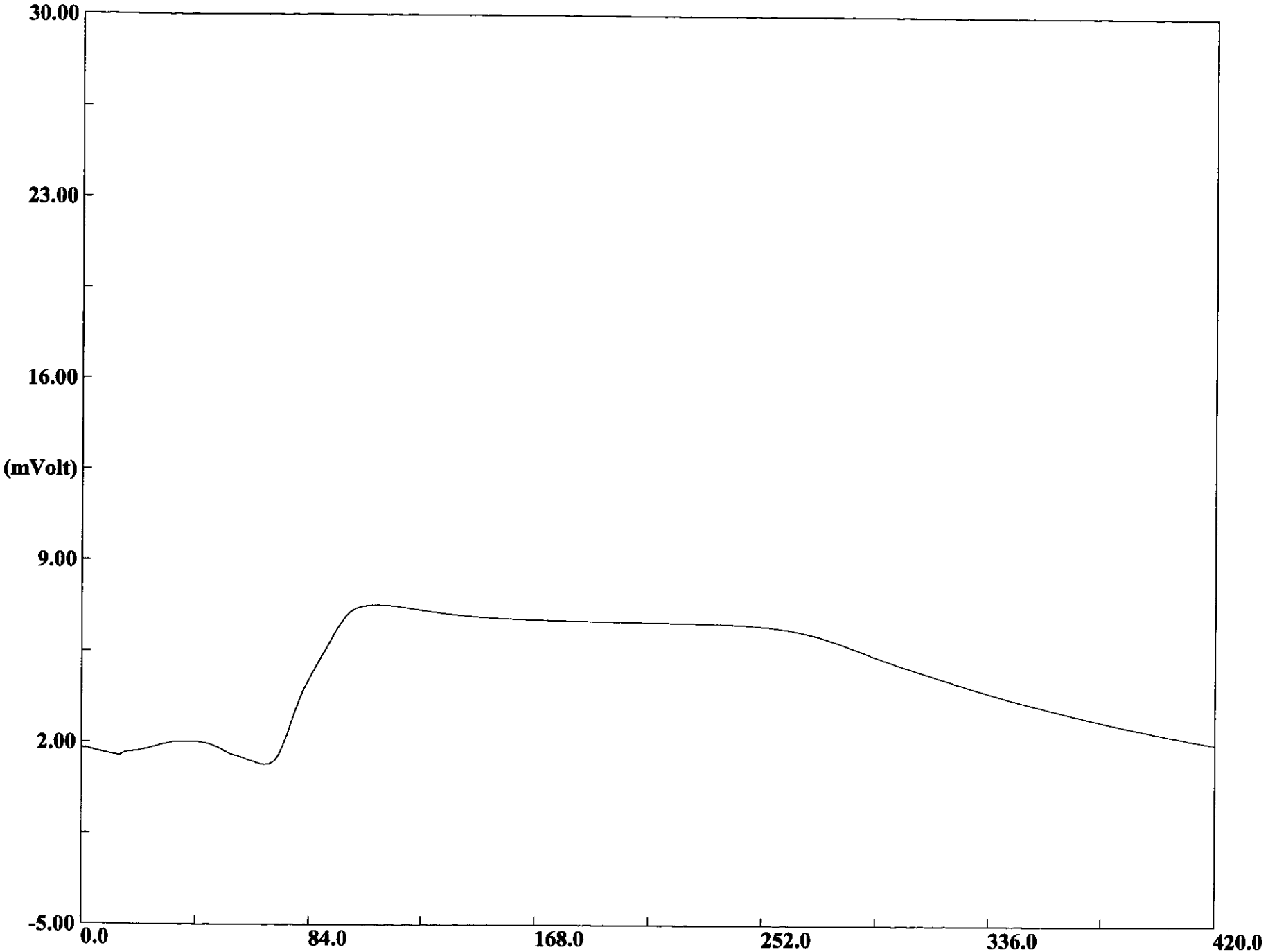
Sample name :l9aht1aa Analysed :10/31/2010 17:13

C0J210496

4070

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110004.DAT

Sample name :l9aht1aa Analysed :10/31/2010 17:13

Eager 300 Report

Page: 1 Sample: 19aht1aa (A103110004)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110004
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 17:13 Printed : 11/1/2010 07:47
Sample ID : 19aht1aa (# 17) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

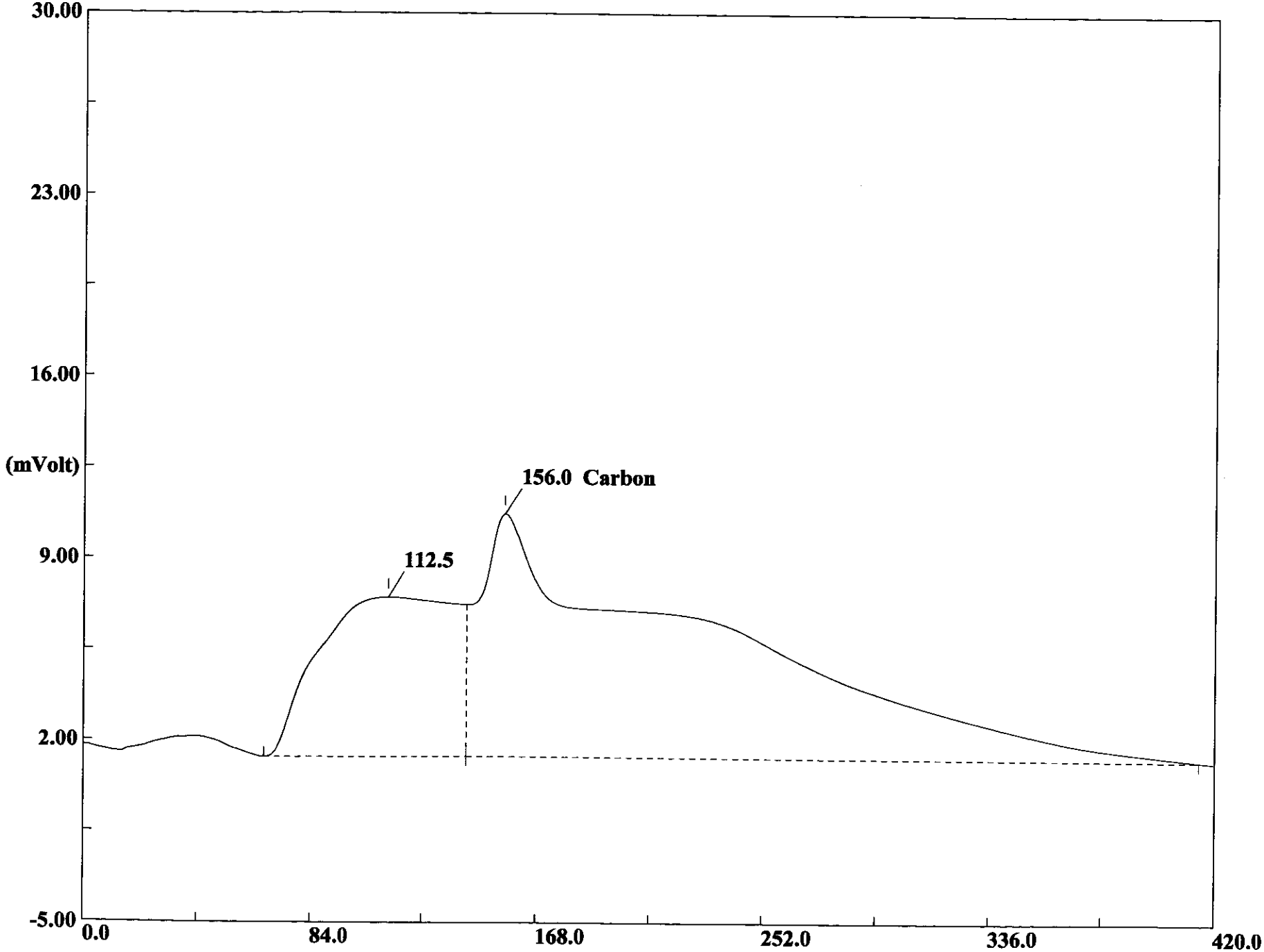
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4072

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110005.DAT

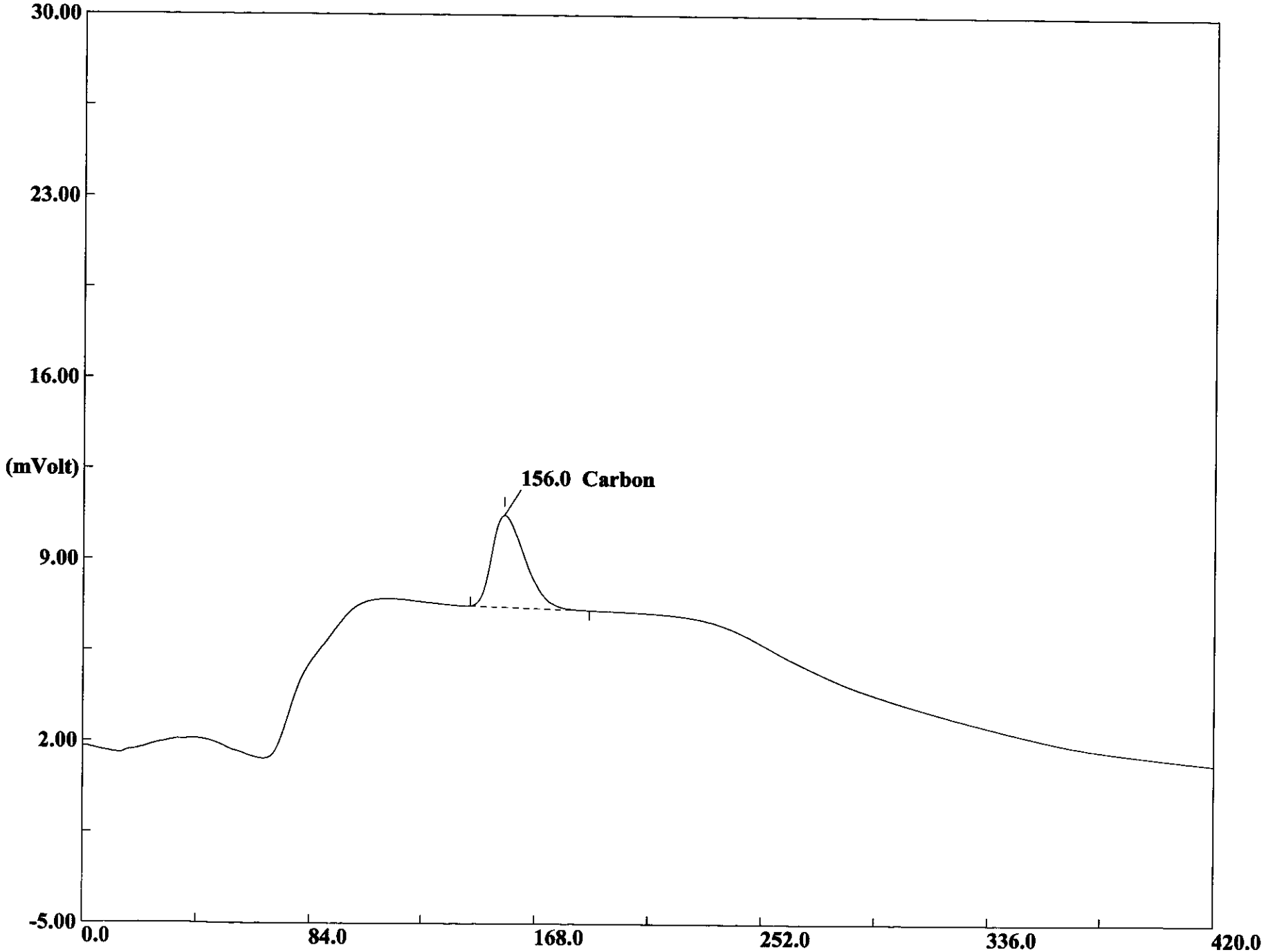
Sample name :l9aht1ac Analysed :10/31/2010 17:20

C0J210496

4073

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110005.DAT

Sample name :l9aht1ac Analysed :10/31/2010 17:20

Eager 300 Report

 Sample: 19aht1ac (A103110005)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110005
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 17:20 Printed : 11/1/2010 07:47
Sample ID : 19aht1ac (# 18) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 11

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.1080	156	501281	mi	1.000000	

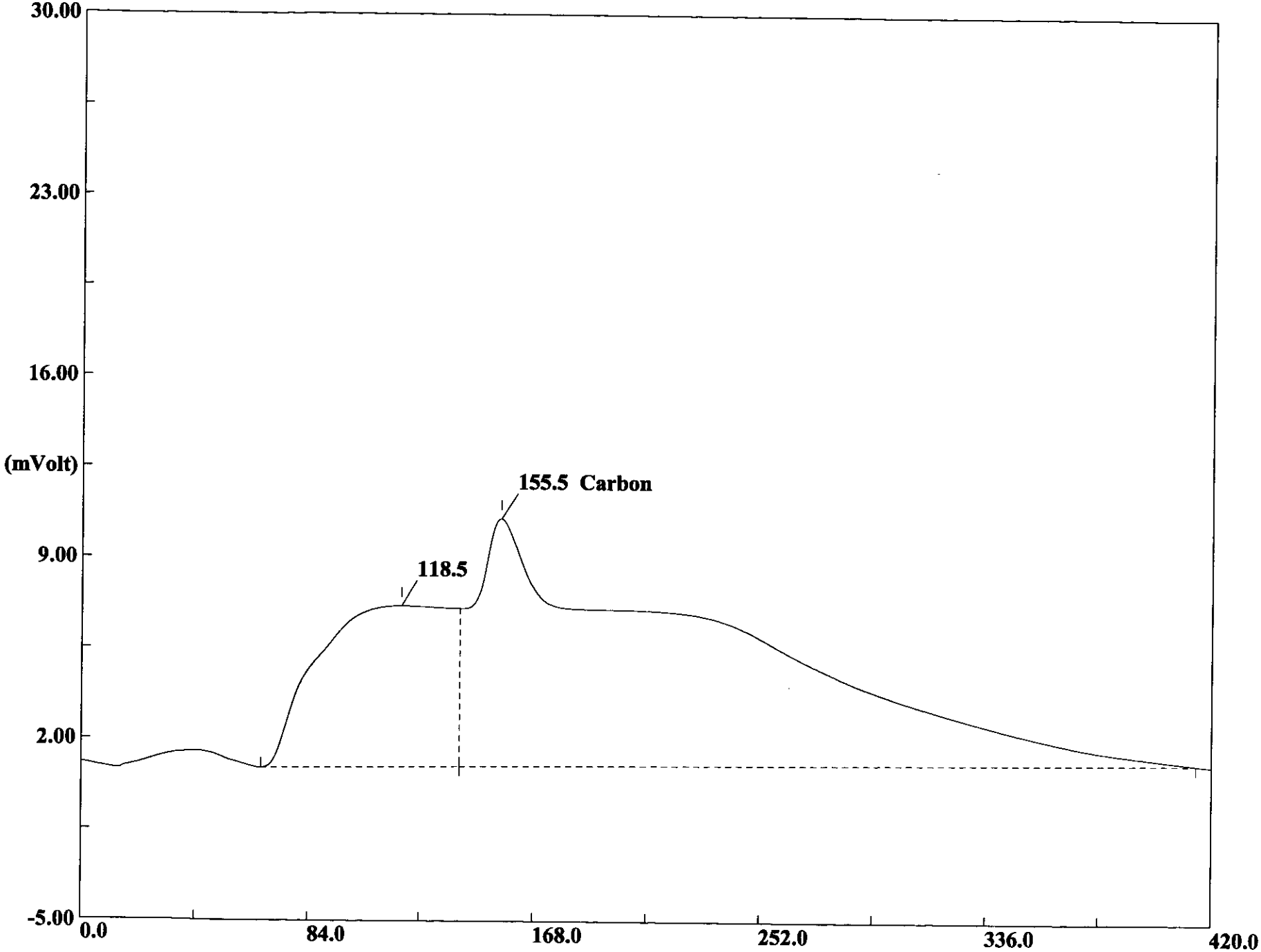
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4075

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110006.DAT

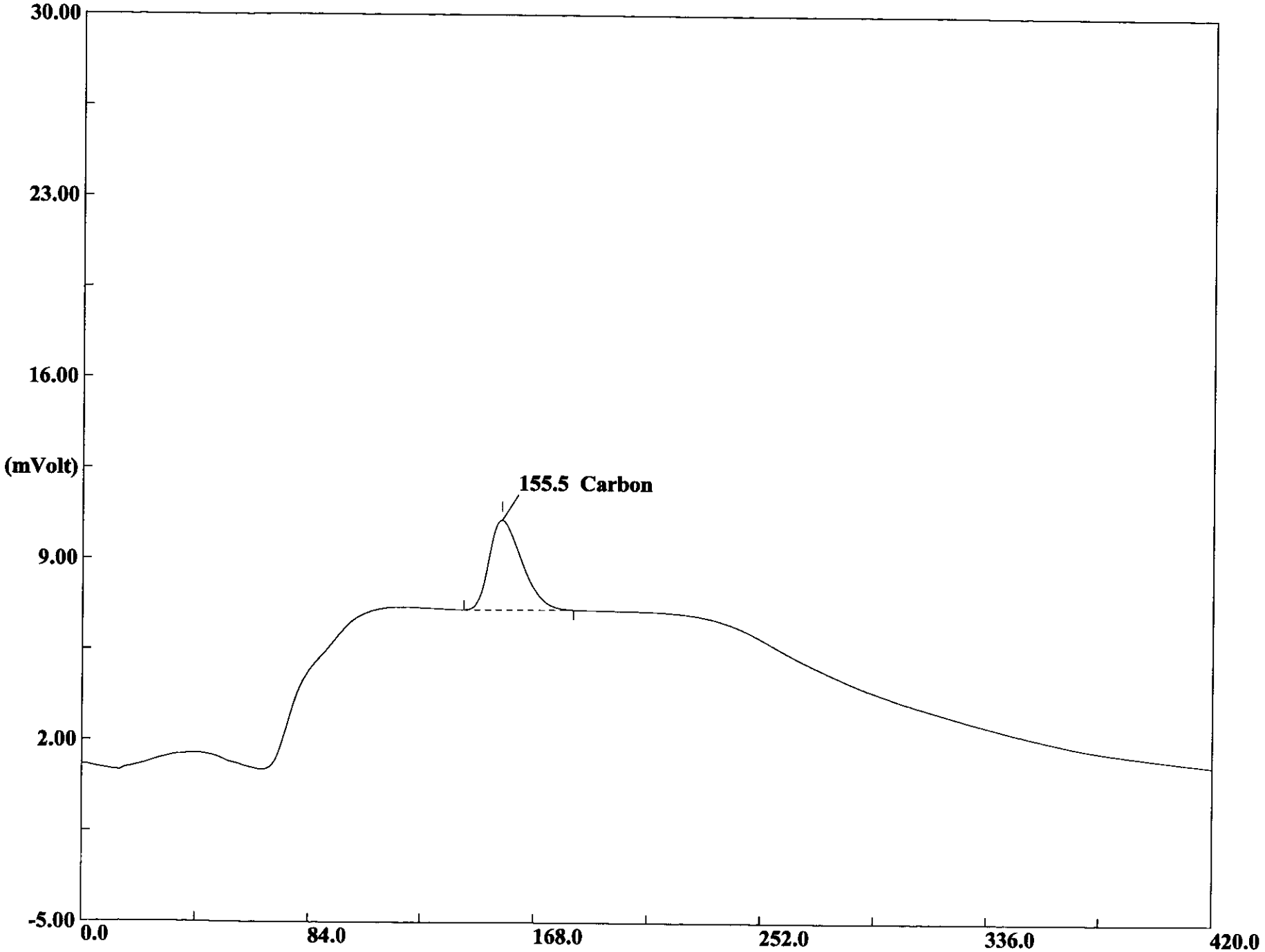
Sample name :l9aht1ac Analysed :10/31/2010 17:27

C0J210496

4076

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110006.DAT

Sample name :l9aht1ac Analysed :10/31/2010 17:27

Eager 300 Report

 Sample: 19aht1ac (A103110006)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110006
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 17:27
Printed : 11/1/2010 07:47
Sample ID : 19aht1ac (# 19)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 11.1

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.0289	156	487099	mi	1.000000	

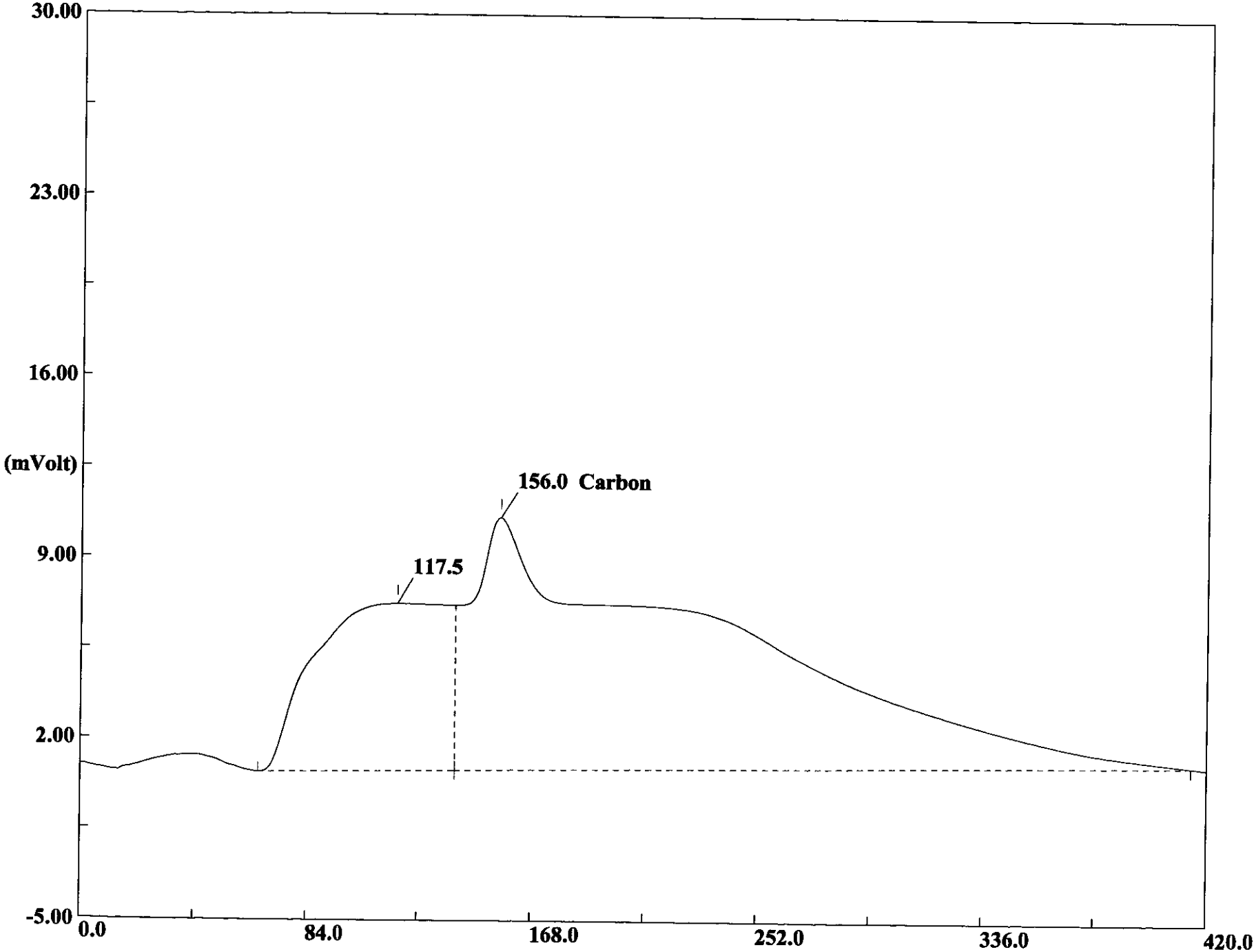
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4078

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110007.DAT

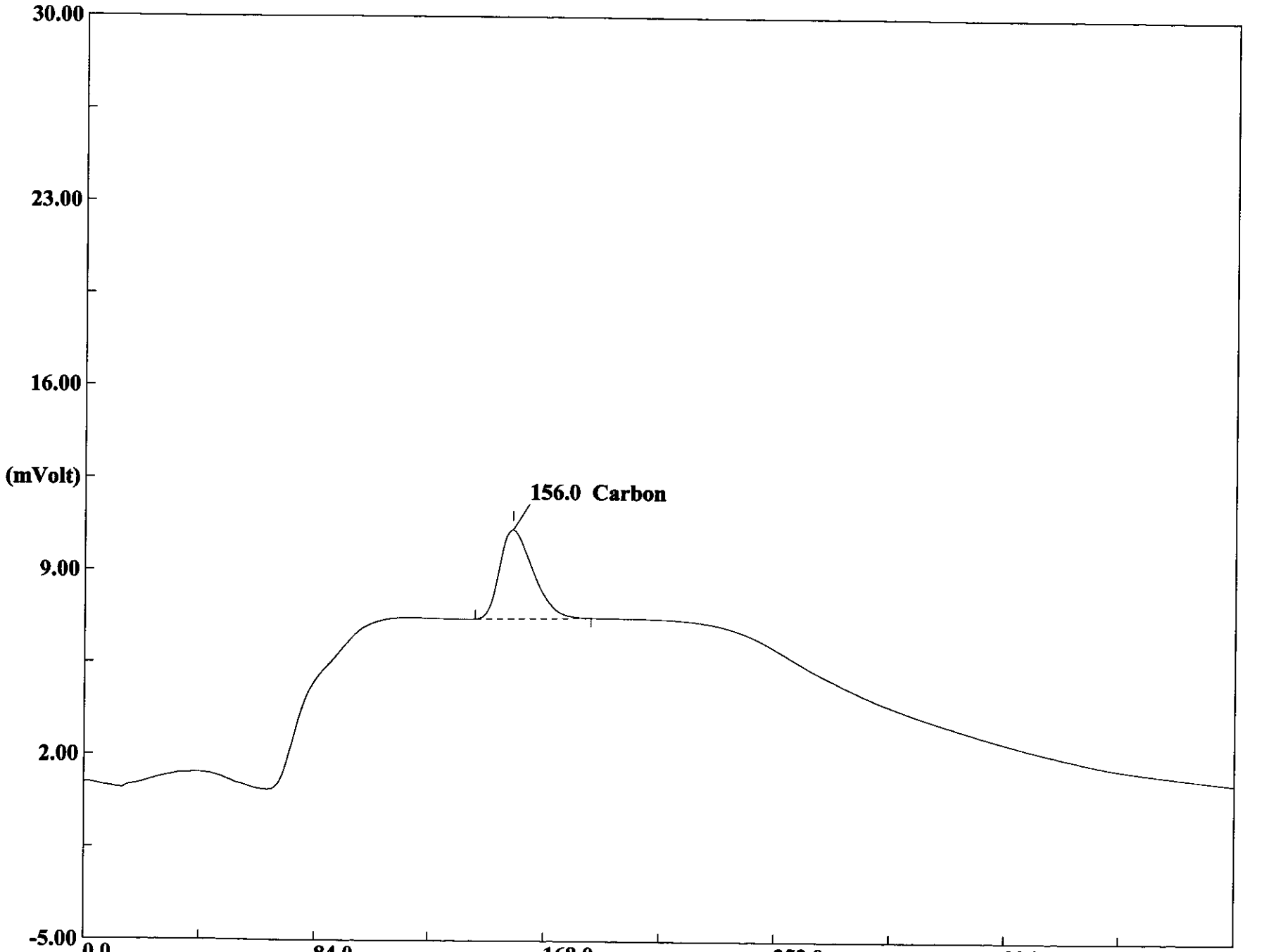
Sample name :l9aht1ad Analysed :10/31/2010 17:34

C0J210496

4079

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110007.DAT

Sample name :l9aht1ad Analysed :10/31/2010 17:34

Eager 300 Report

 Sample: 19aht1ad (A103110007)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110007
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 17:34
Printed : 11/1/2010 07:47
Sample ID : 19aht1ad (# 20)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 11.1

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.9779	156	475079	mi	1.000000	

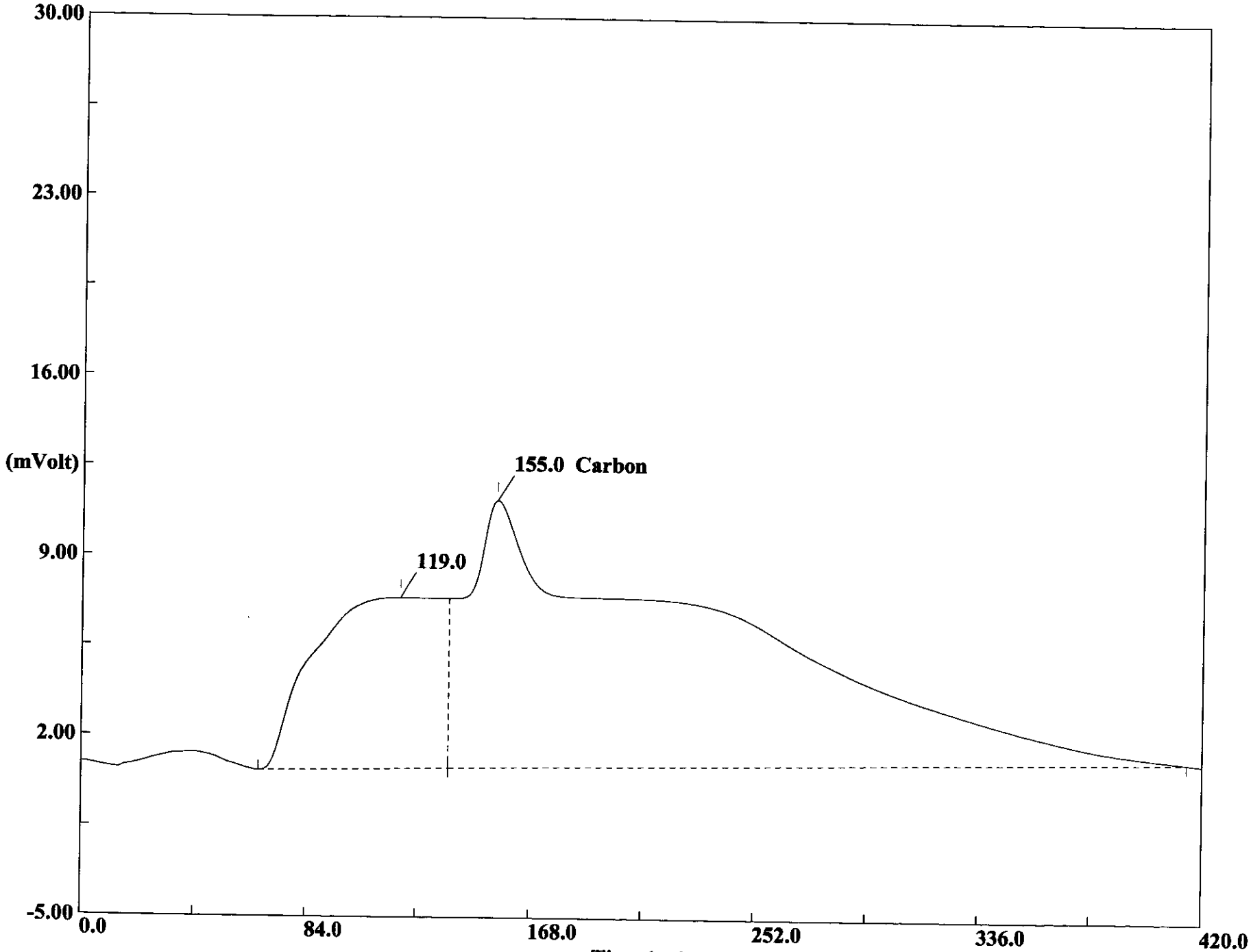
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4081

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110008.DAT

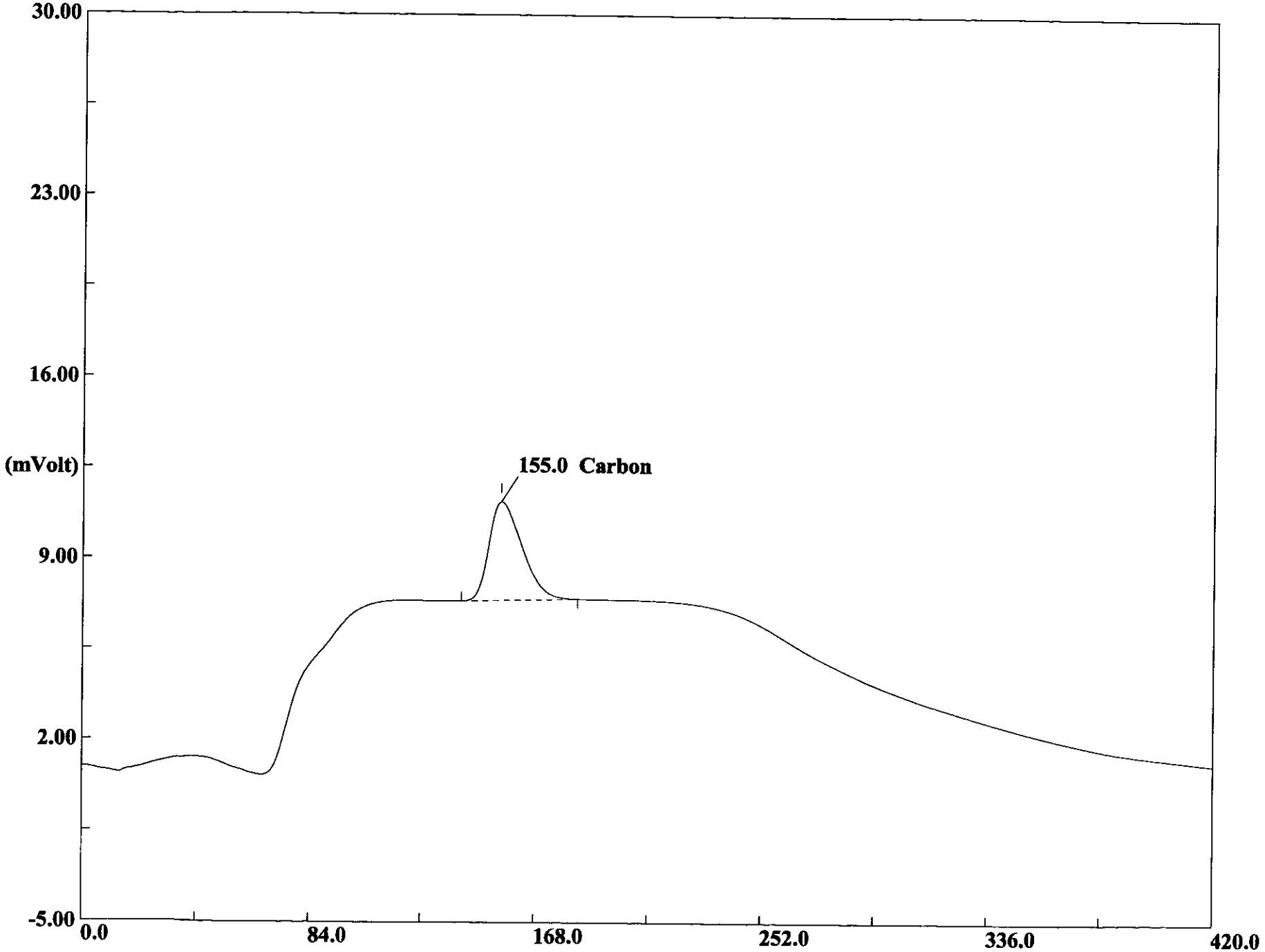
Sample name :l9aht1ad Analysed :10/31/2010 17:41

C0J210496

4082

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110008.DAT

Sample name :l9aht1ad Analysed :10/31/2010 17:41

Eager 300 Report

Page: 1 Sample: 19aht1ad (A103110008)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110008
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 17:41 Printed : 11/1/2010 07:47
Sample ID : 19aht1ad (# 21) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 11.8

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.1115	155	537996	mi	1.000000	

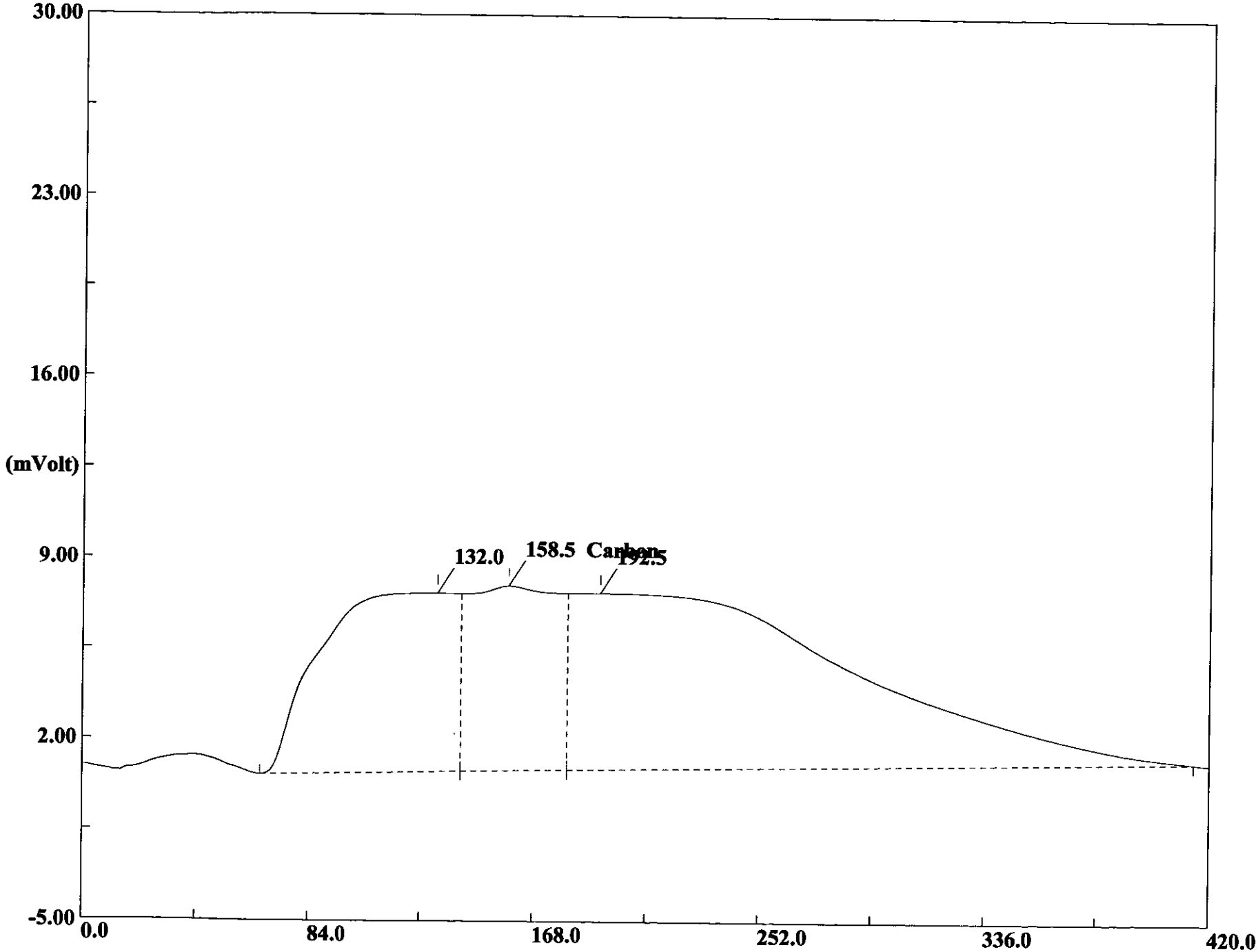
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4084

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110009.DAT

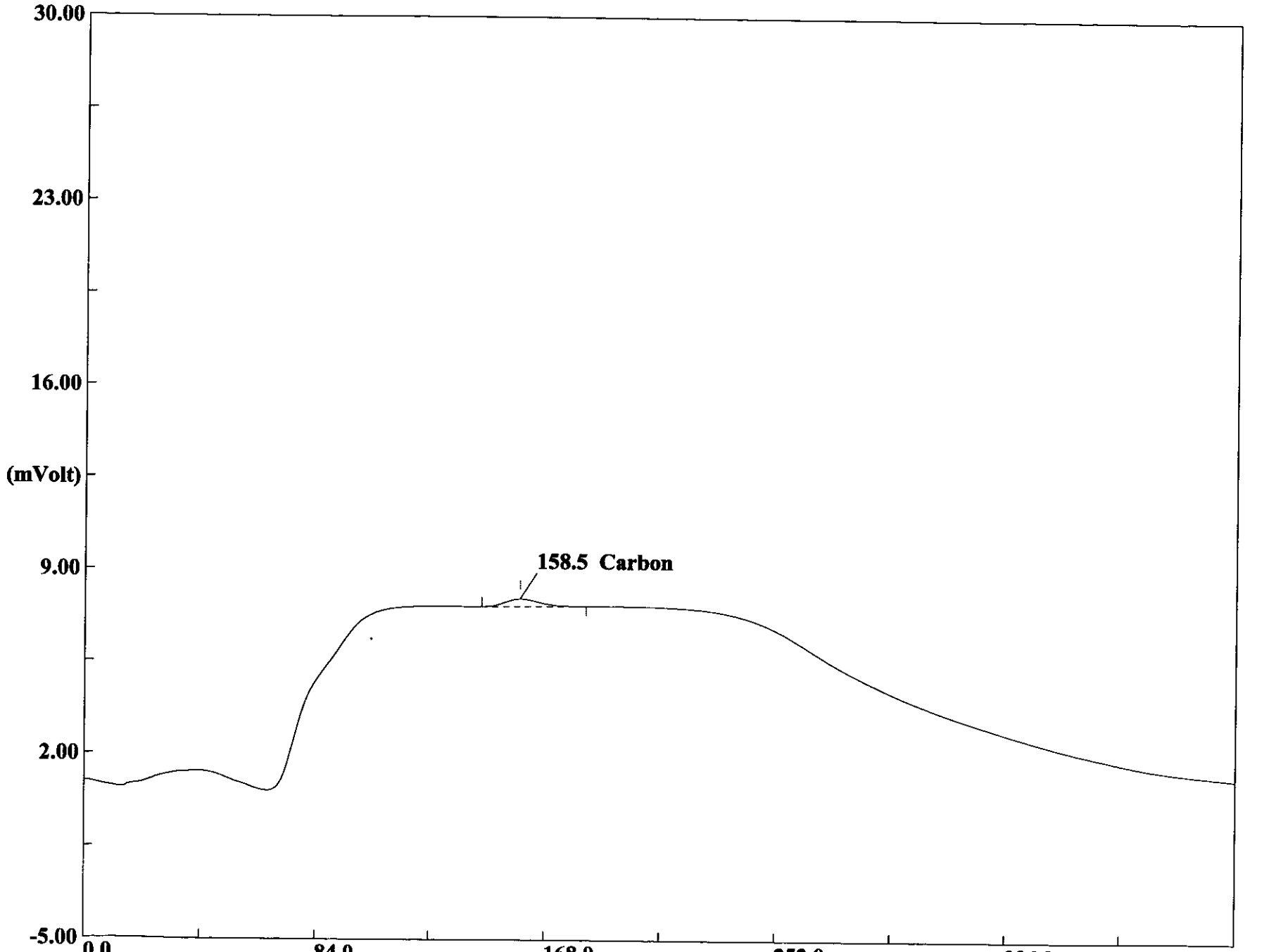
Sample name :l8p2j1a0 Analysed :10/31/2010 17:49

C0J210496

4085

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110009.DAT

Sample name :l8p2j1a0 Analysed :10/31/2010 17:49

Eager 300 Report

 Sample: 18p2j1a0 (A103110009)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110009
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 17:49
Printed : 11/1/2010 07:47
Sample ID : 18p2j1a0 (# 22)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 19.5

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0807	159	42013	mi	1.000000	

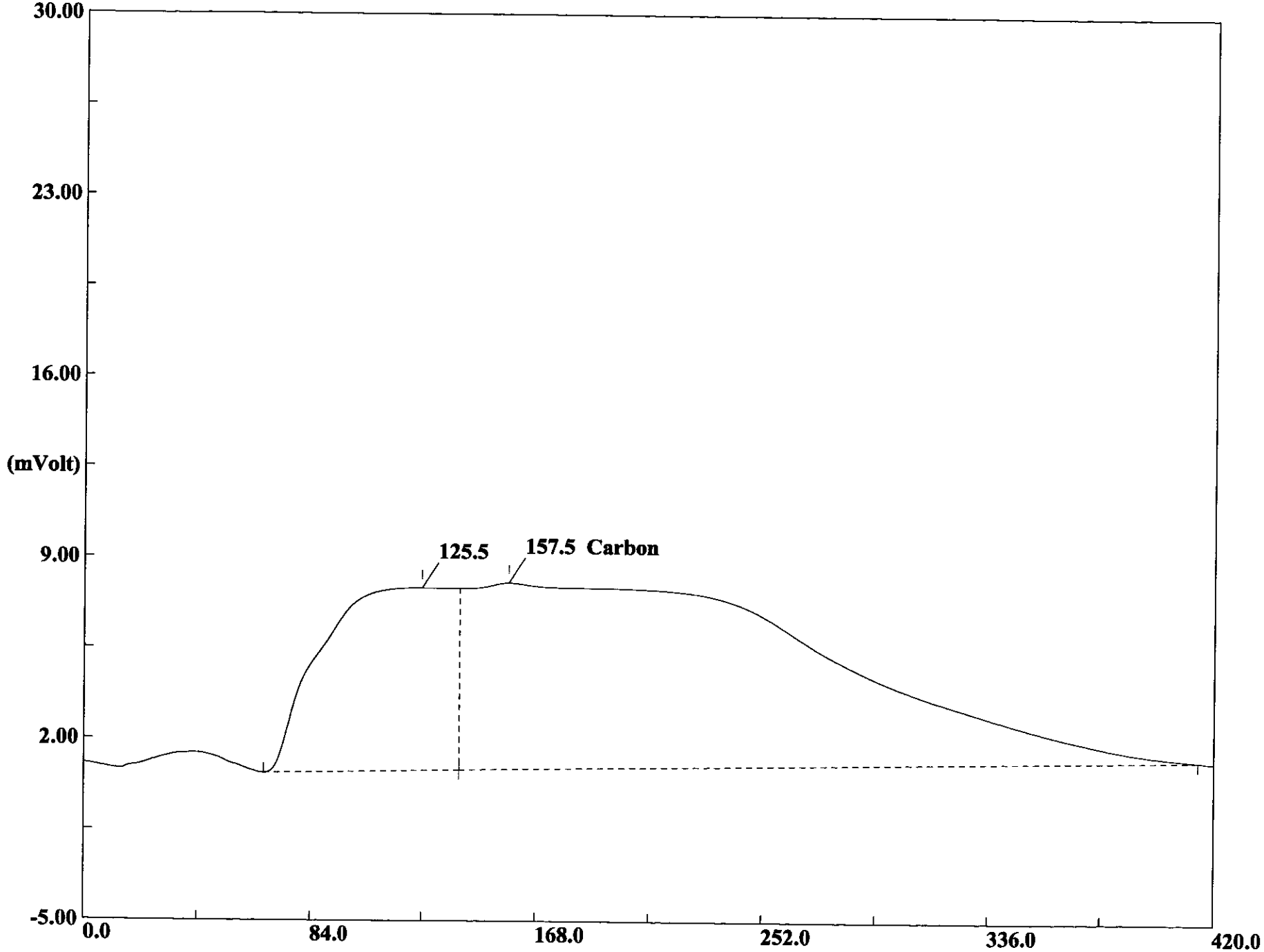
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4087

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110010.DAT

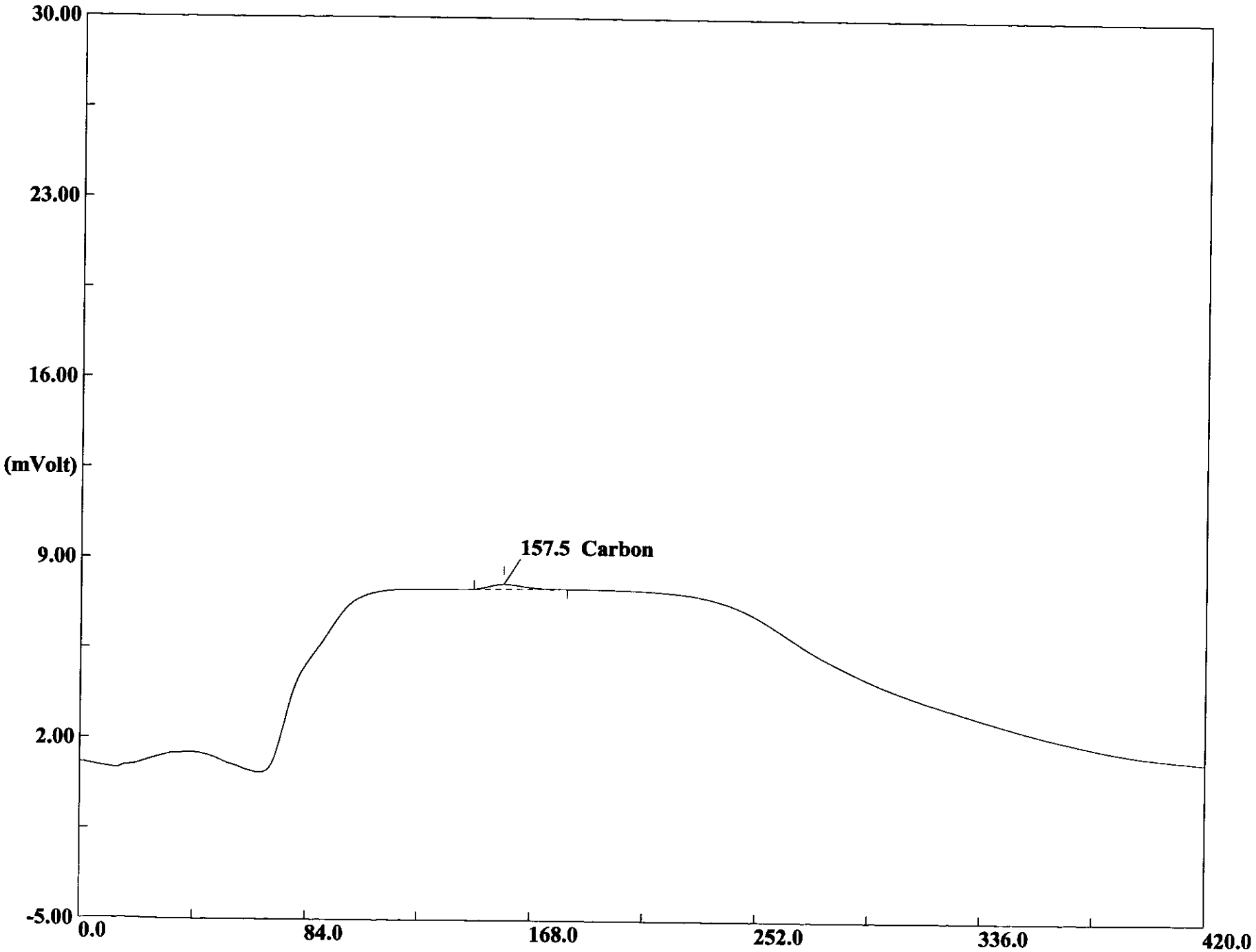
Sample name :l8p2j1a0 Analysed :10/31/2010 17:56

C0J210496

4088

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110010.DAT

Sample name :l8p2j1a0 Analysed :10/31/2010 17:56

Eager 300 Report

 Sample: 18p2j1a0 (A103110010)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110010
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 17:56
Printed : 11/1/2010 07:47
Sample ID : 18p2j1a0 (# 23)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 19.6

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0460	158	27742	mi	1.000000	

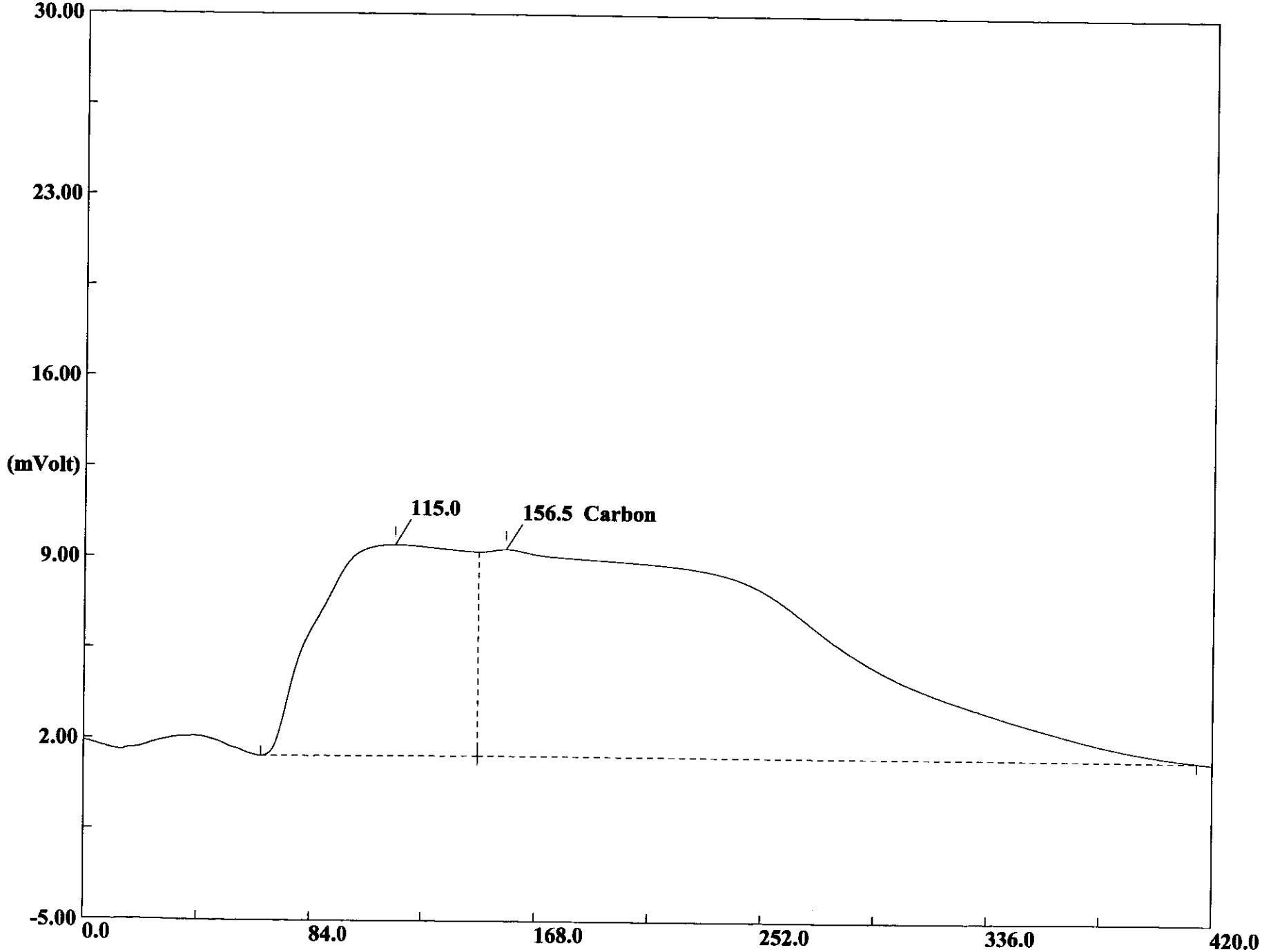
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4090

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110013.DAT

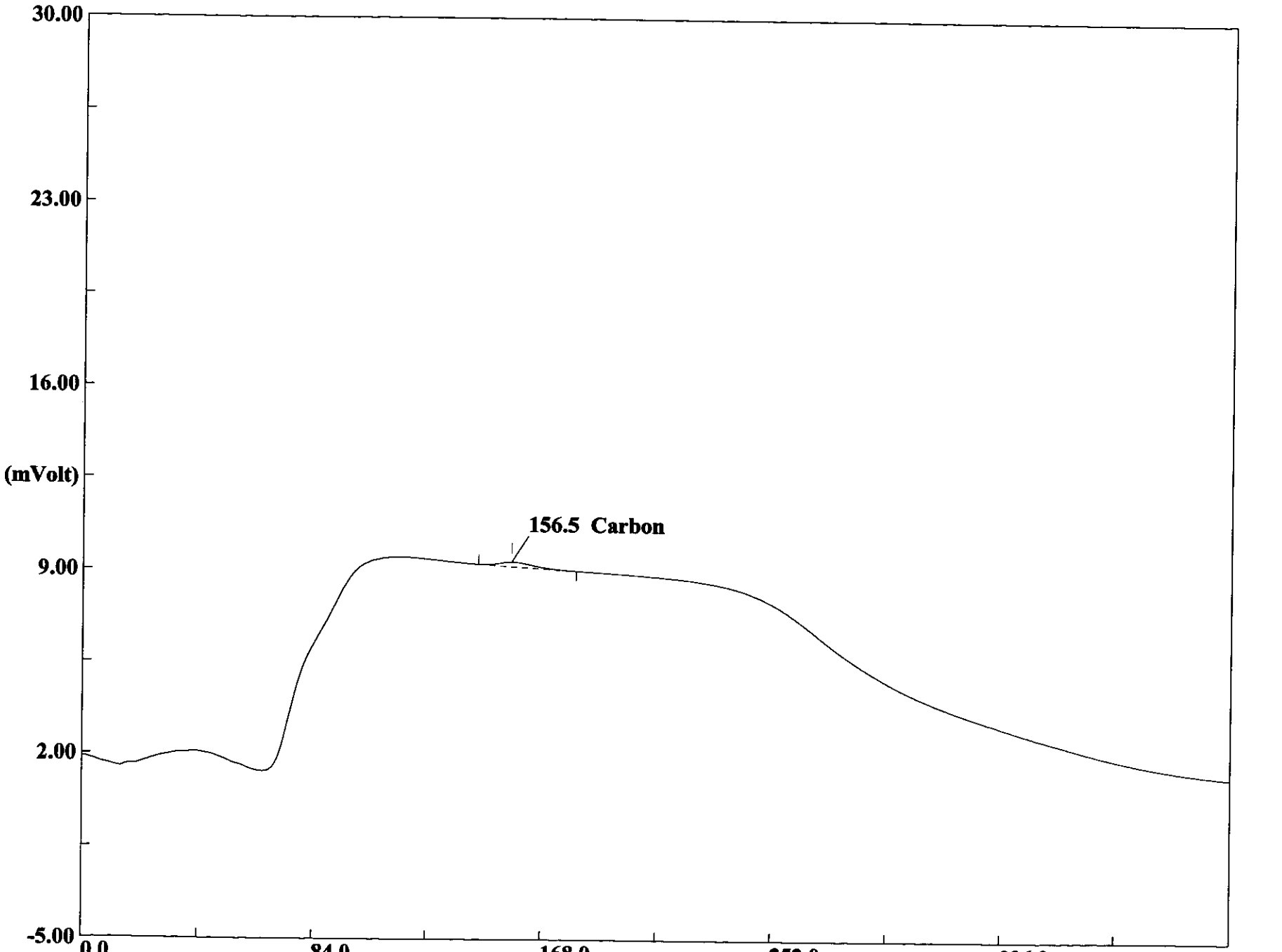
Sample name :l8p2j1a0 Analysed :10/31/2010 18:18

C0J210496

4091

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110013.DAT

Sample name :l8p2j1a0 Analysed :10/31/2010 18:18

Eager 300 Report

Page: 1 Sample: 18p2j1a0 (A103110013)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110013
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 18:18 Printed : 11/1/2010 07:47
Sample ID : 18p2j1a0 (# 24) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20.2

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0362	157	24123	mi	1.000000	

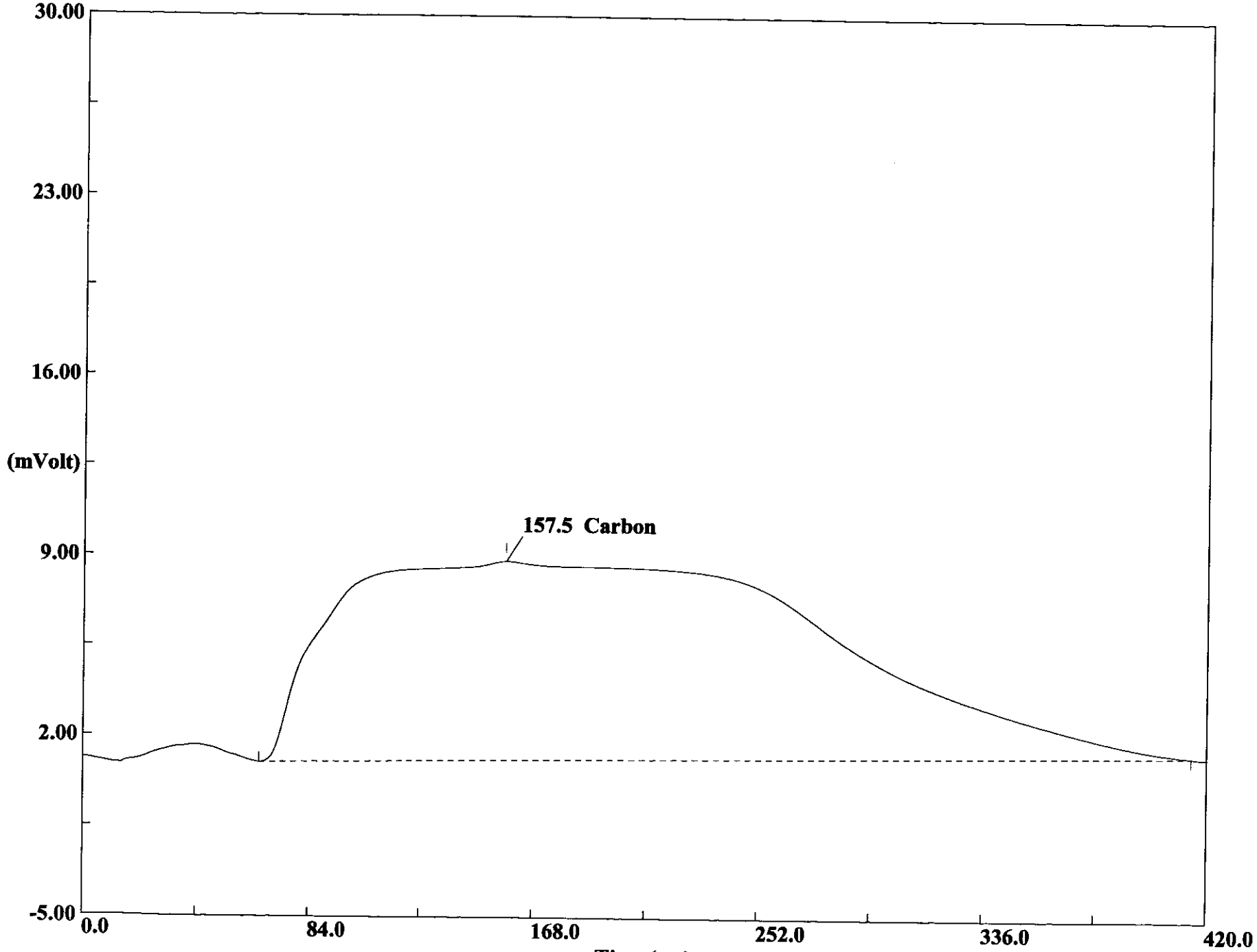
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4093

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110014.DAT

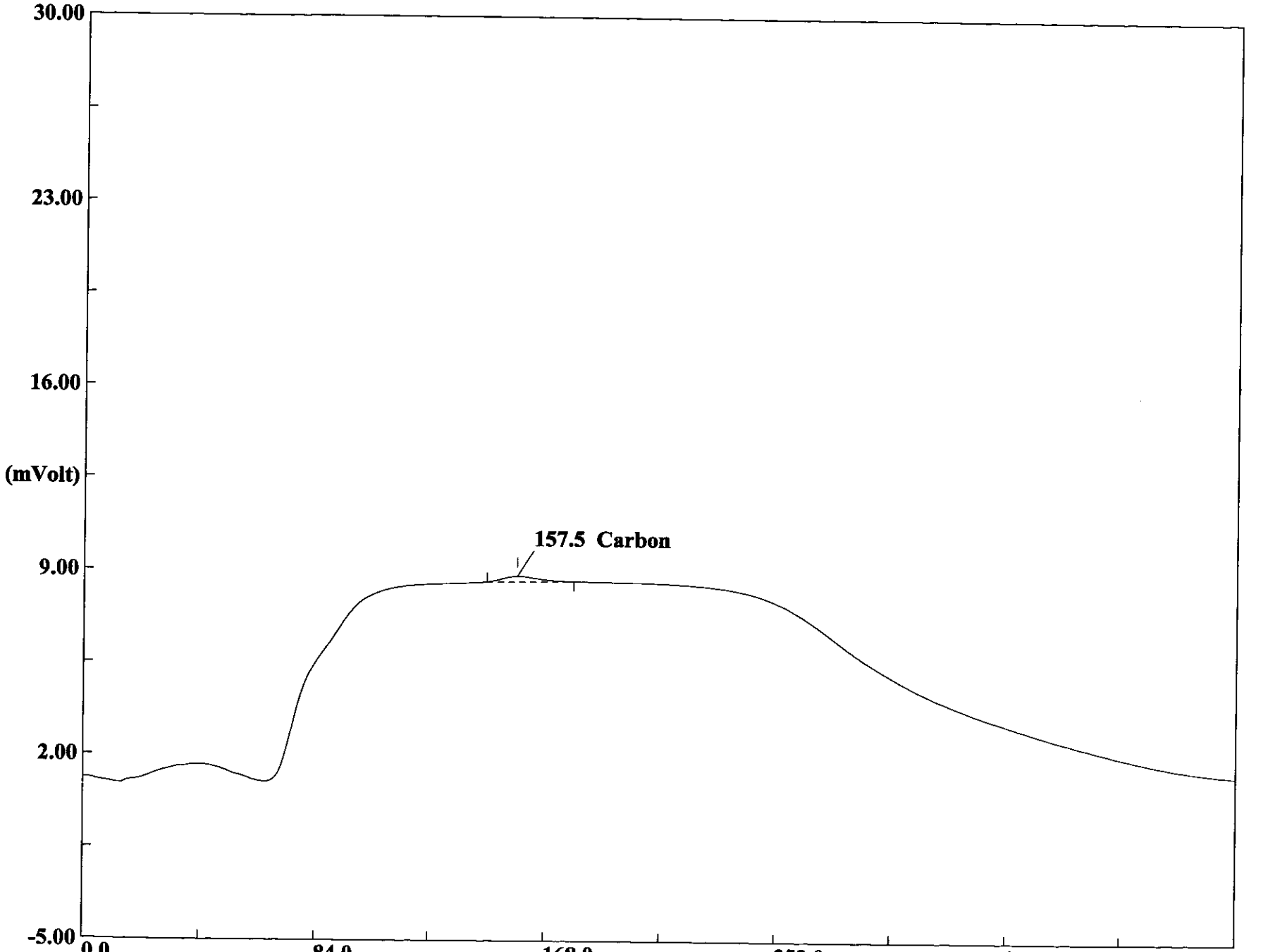
Sample name :l8p2j1a0 Analysed :10/31/2010 18:25

C0J210496

4094

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110014.DAT

Sample name :l8p2j1a0 Analysed :10/31/2010 18:25

Eager 300 Report

 Sample: l8p2j1a0 (A103110014)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110014
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 18:25
Printed : 11/1/2010 07:47
Sample ID : l8p2j1a0 (# 25)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 19

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0532	158	30083	mi	1.000000	

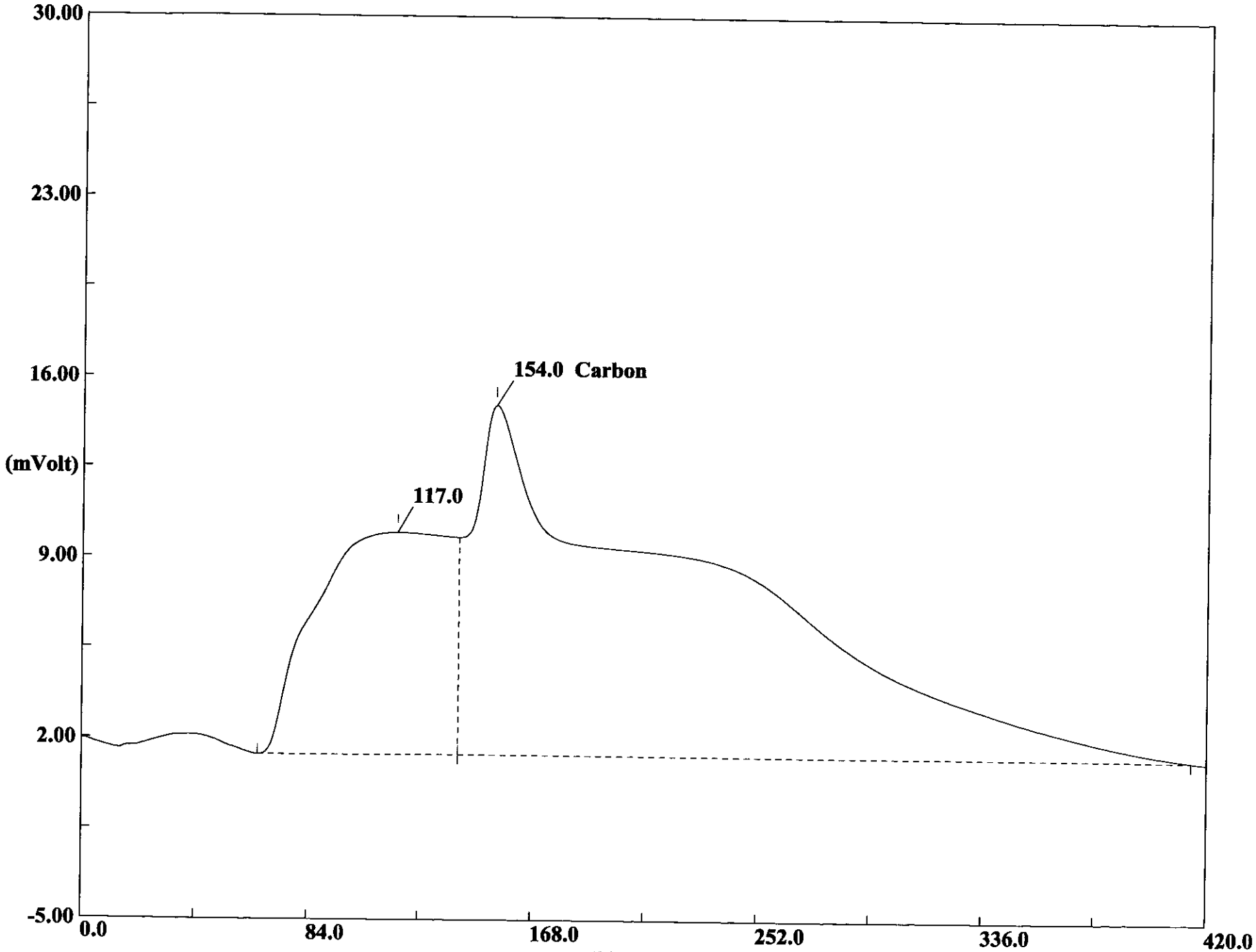
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4096

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110017.DAT

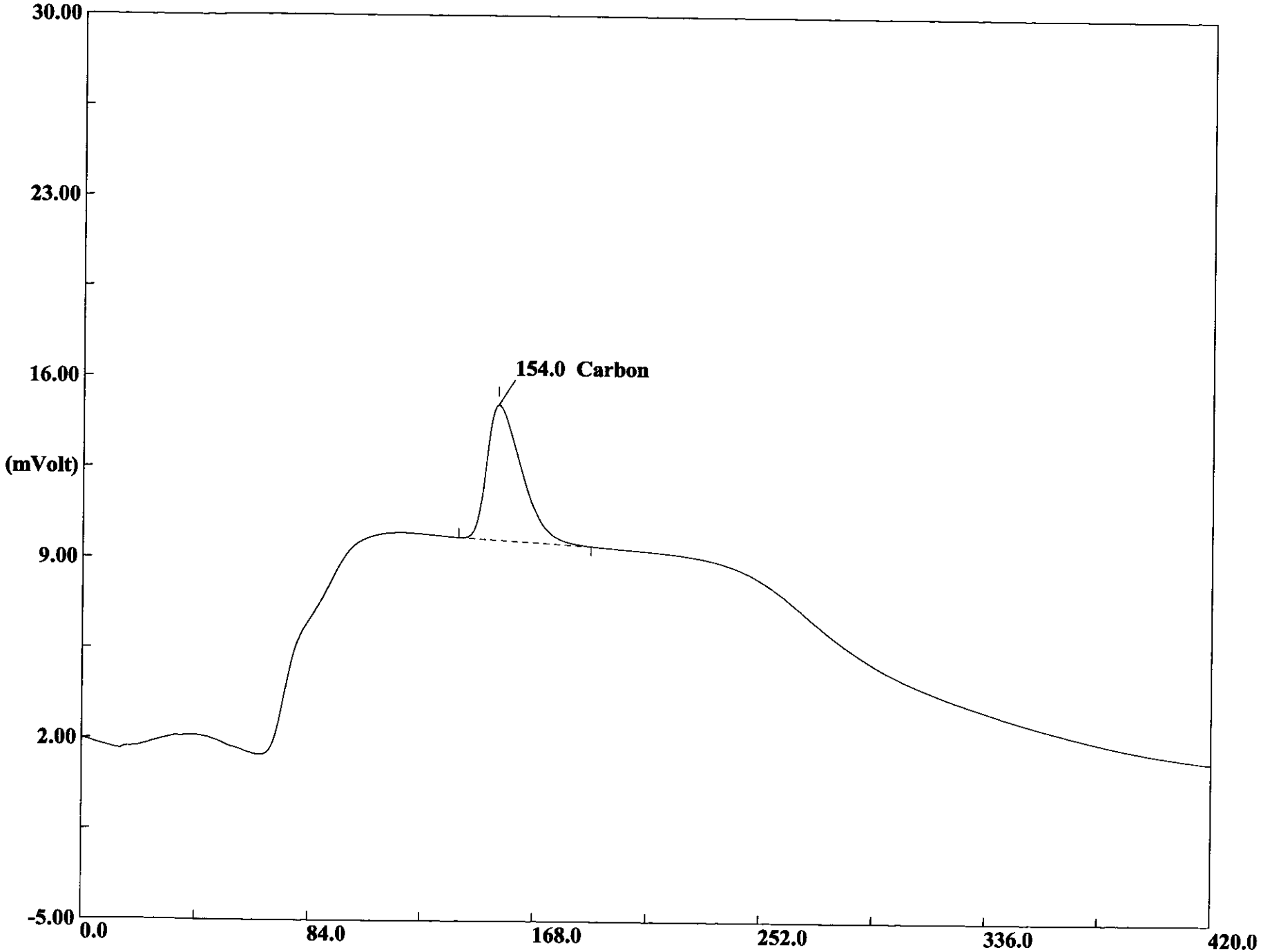
Sample name :l8vla1a6 Analysed :10/31/2010 18:47

C0J210496

4097

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110017.DAT

Sample name :l8vla1a6 Analysed :10/31/2010 18:47

Eager 300 Report

 Sample: l8vla1a6 (A103110017)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110017
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 18:47
Printed : 11/1/2010 07:47
Sample ID : l8vla1a6 (# 26)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 11.4

Calib. method : using 'Least Squares to Linear fit'

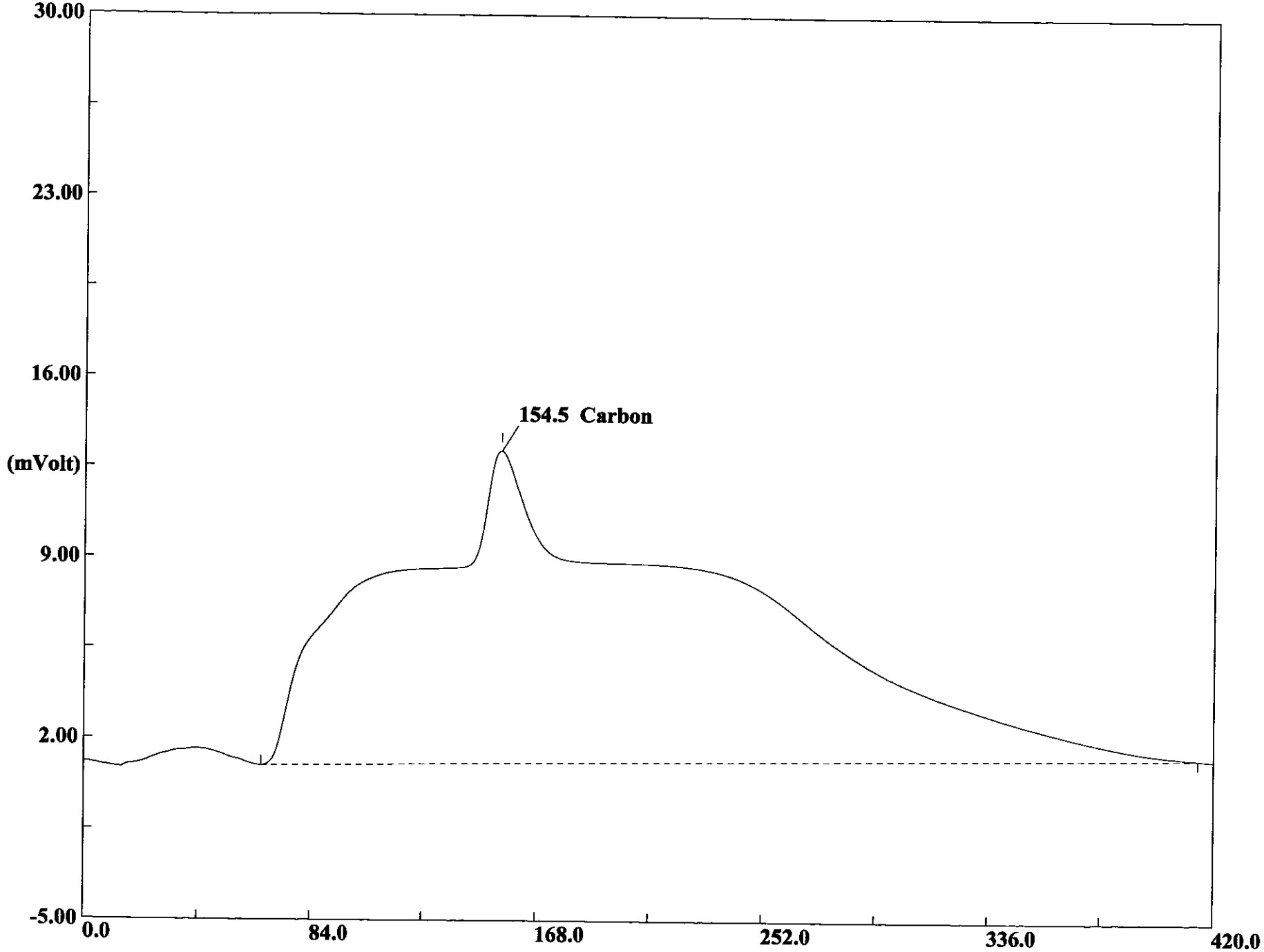
Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	3.1881	154	780825	mi	1.000000	

Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110018.DAT

Sample name :l8vla1a6 Analysed :10/31/2010 18:54

4099

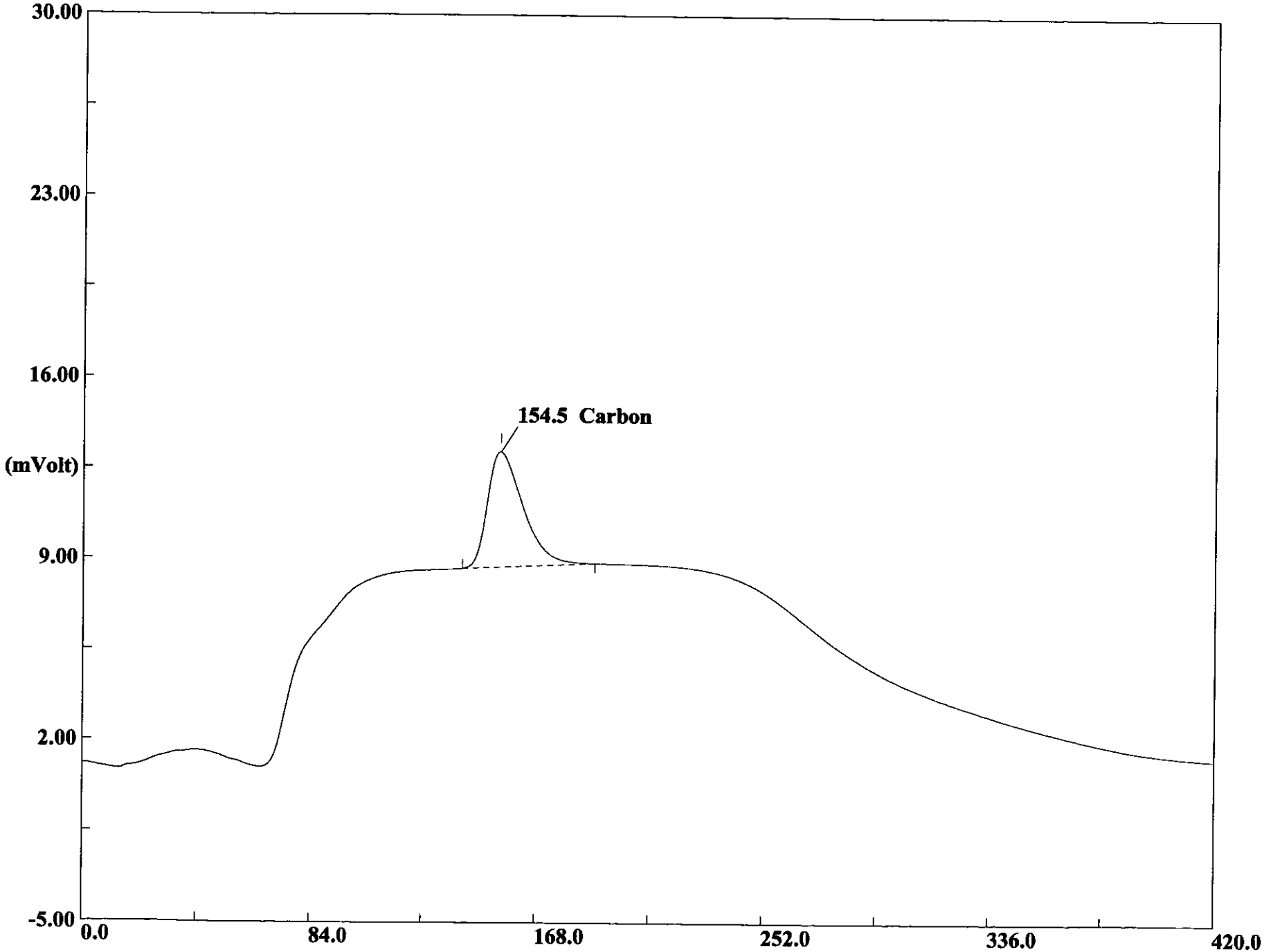
(4001-4344)

C0J210496

4100

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110018.DAT

Sample name :l8vla1a6 Analysed :10/31/2010 18:54

Eager 300 Report

 Sample: l8vla1a6 (A103110018)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110018
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 18:54 Printed : 11/1/2010 07:47
Sample ID : l8vla1a6 (# 27) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.1

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	3.1098	155	675963	mi	1.000000	

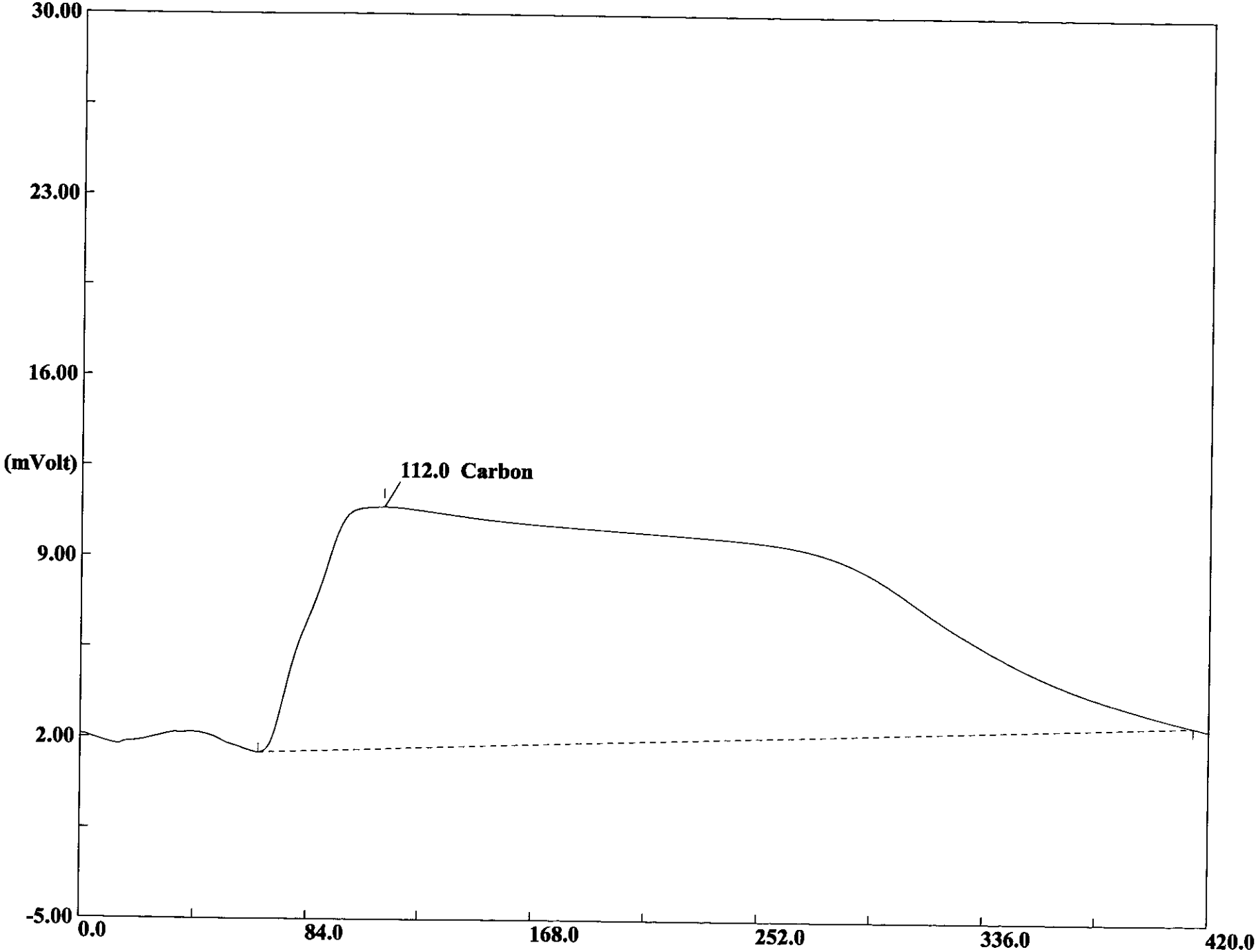
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4102

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110021.DAT

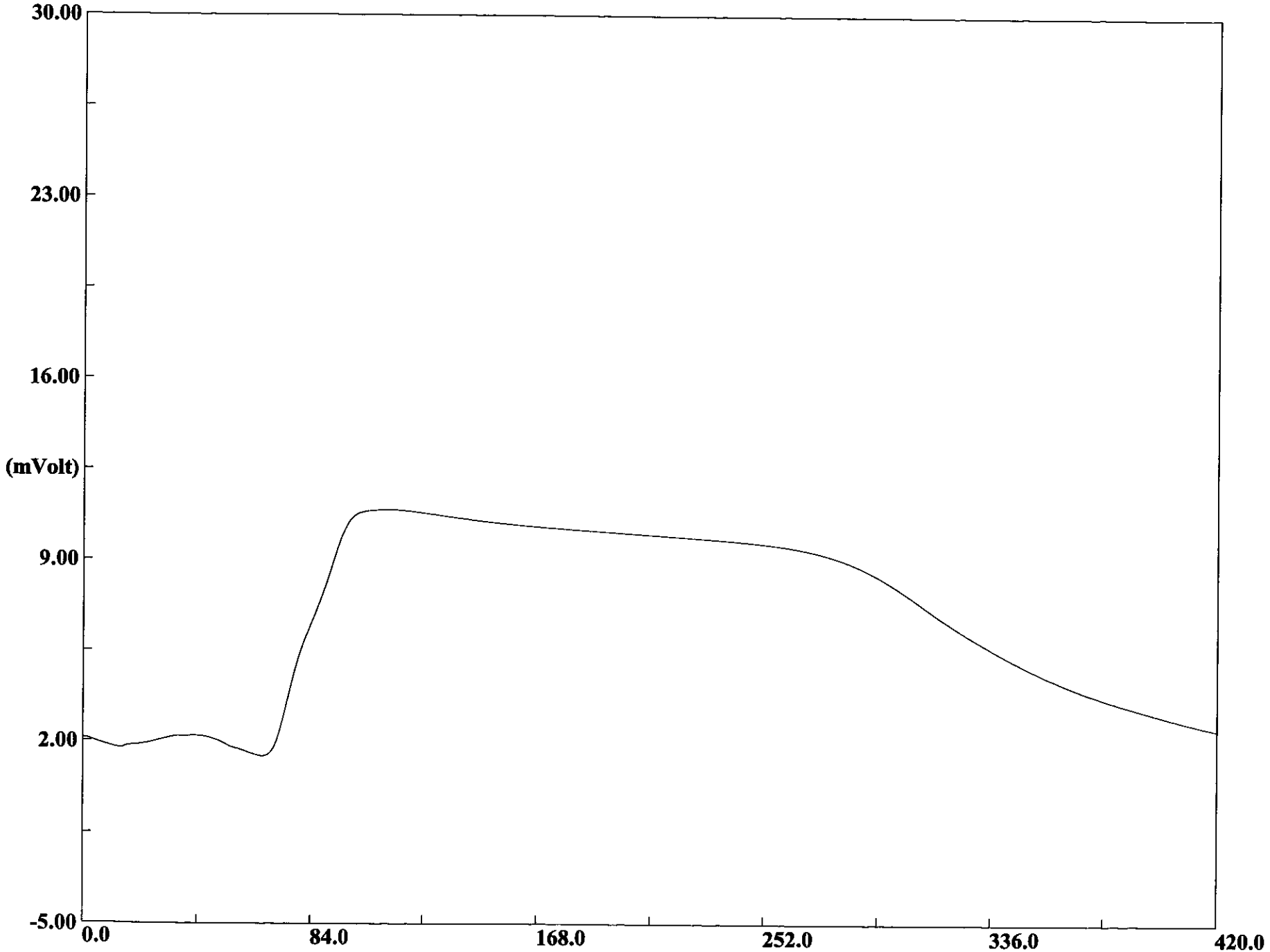
Sample name :ccb Analysed :10/31/2010 19:16

C0J210496

4103

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110021.DAT

Sample name :ccb Analysed :10/31/2010 19:16

Eager 300 Report

 Sample: ccb (A103110021)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110021
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 19:16
Printed : 11/1/2010 07:47
Sample ID : ccb (# 28)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

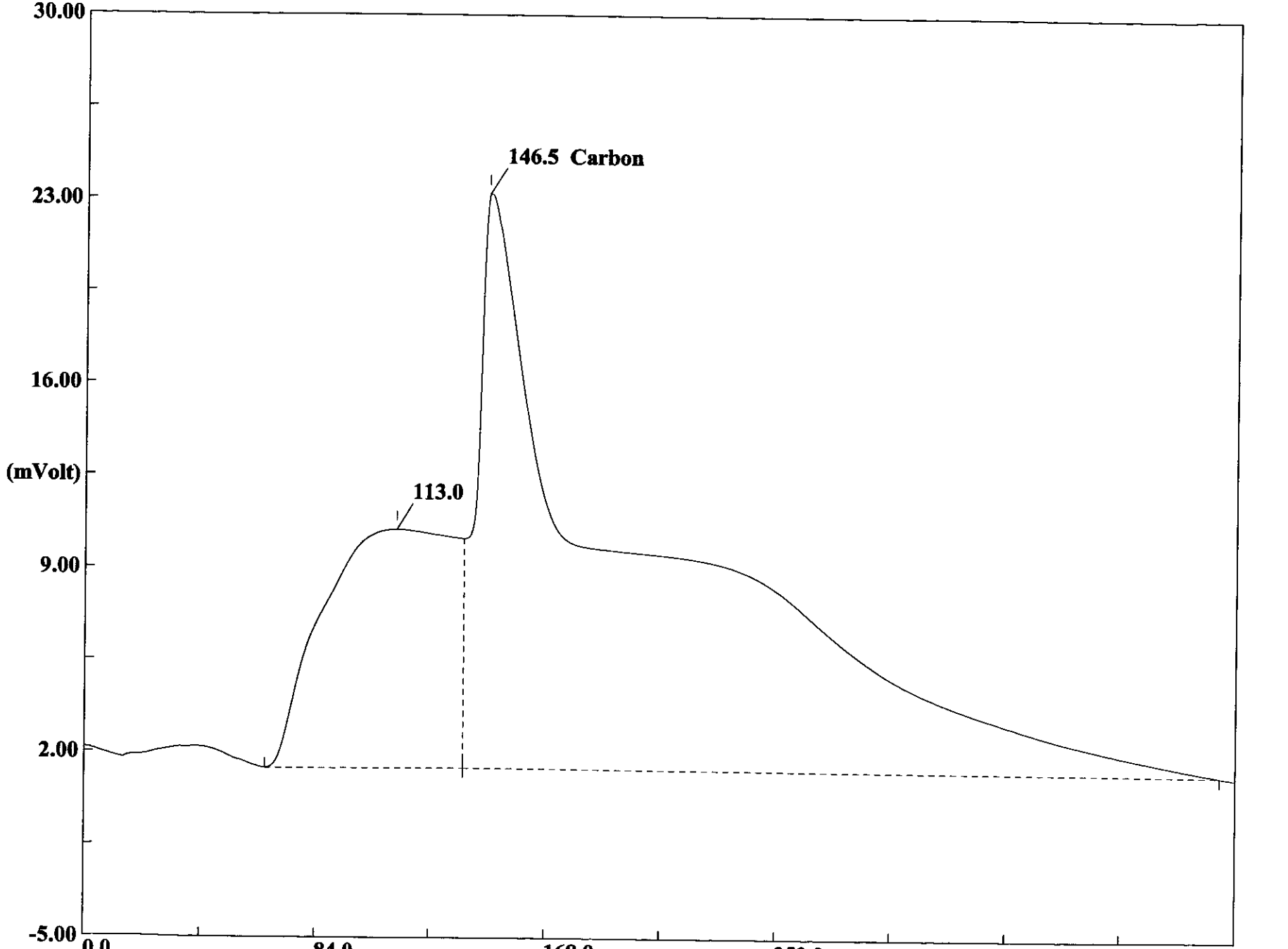
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4105

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110022.DAT

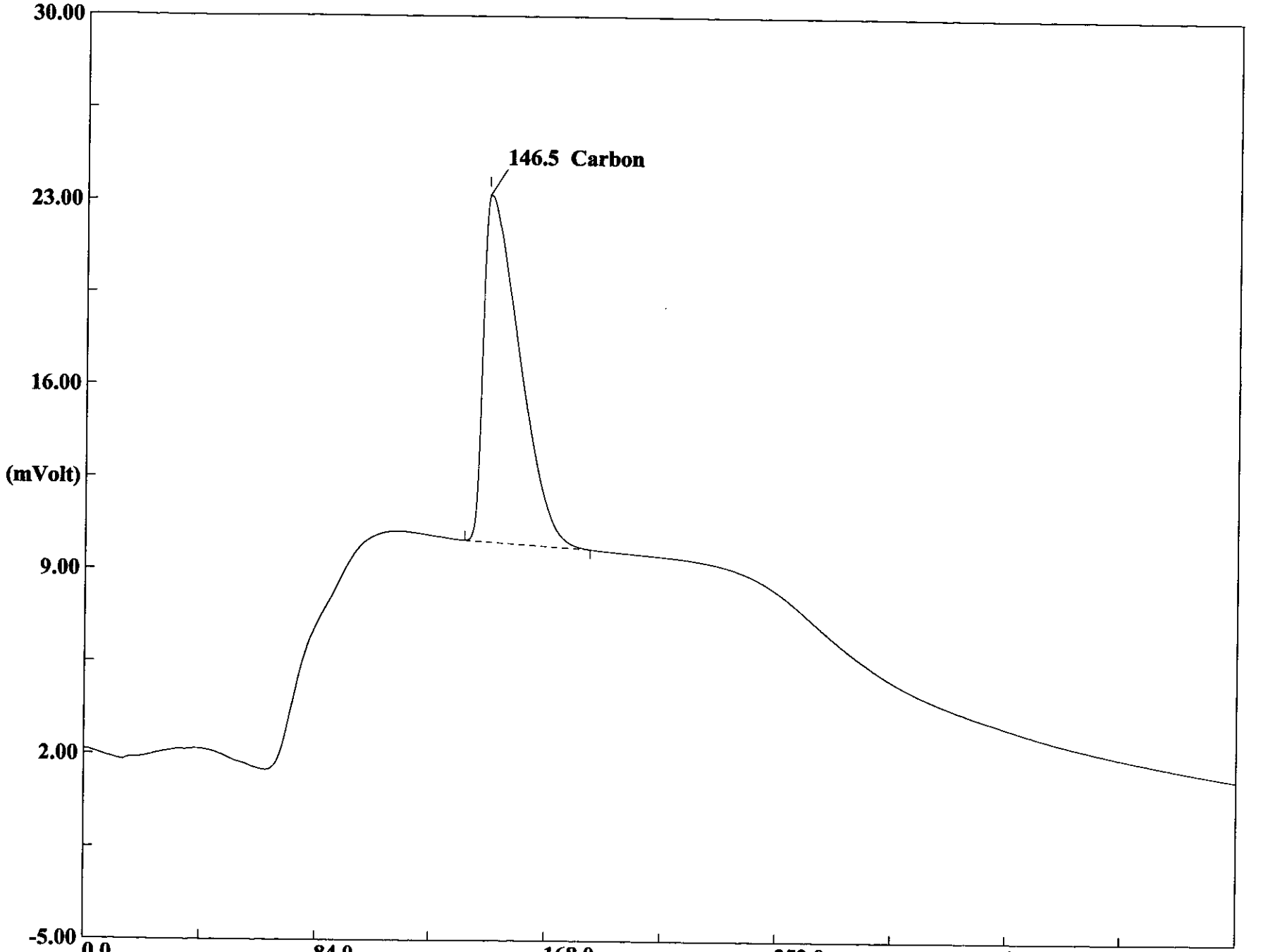
Sample name :ccv Analysed :10/31/2010 19:23

C0J210496

4106

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110022.DAT

Sample name :ccv Analysed :10/31/2010 19:23

Eager 300 Report

 Sample: ccv (A103110022)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110022
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 19:23
Printed : 11/1/2010 07:47
Sample ID : ccv (# 29)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9379	147	2001312	mi	1.000000	

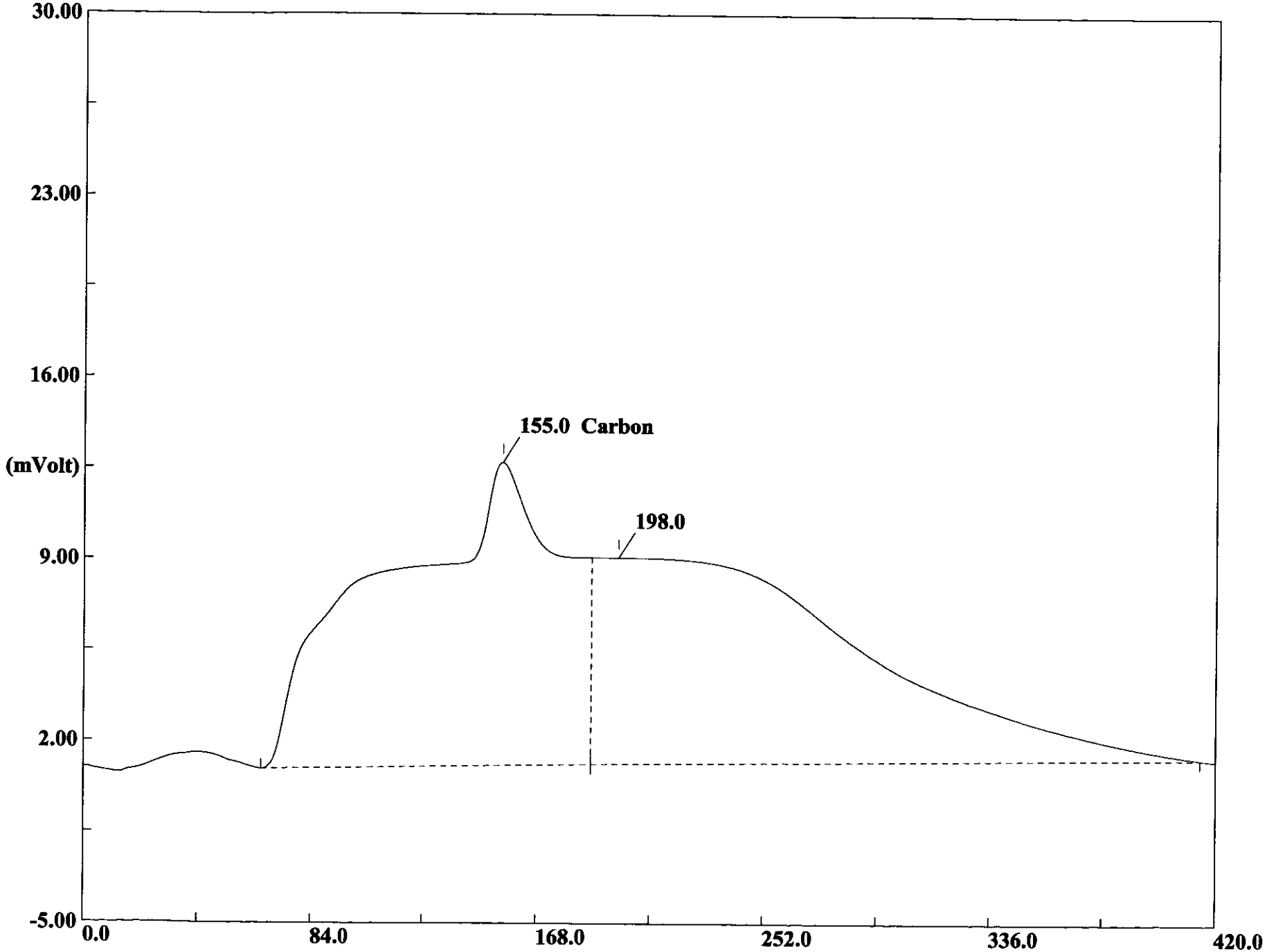
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4108

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110023.DAT

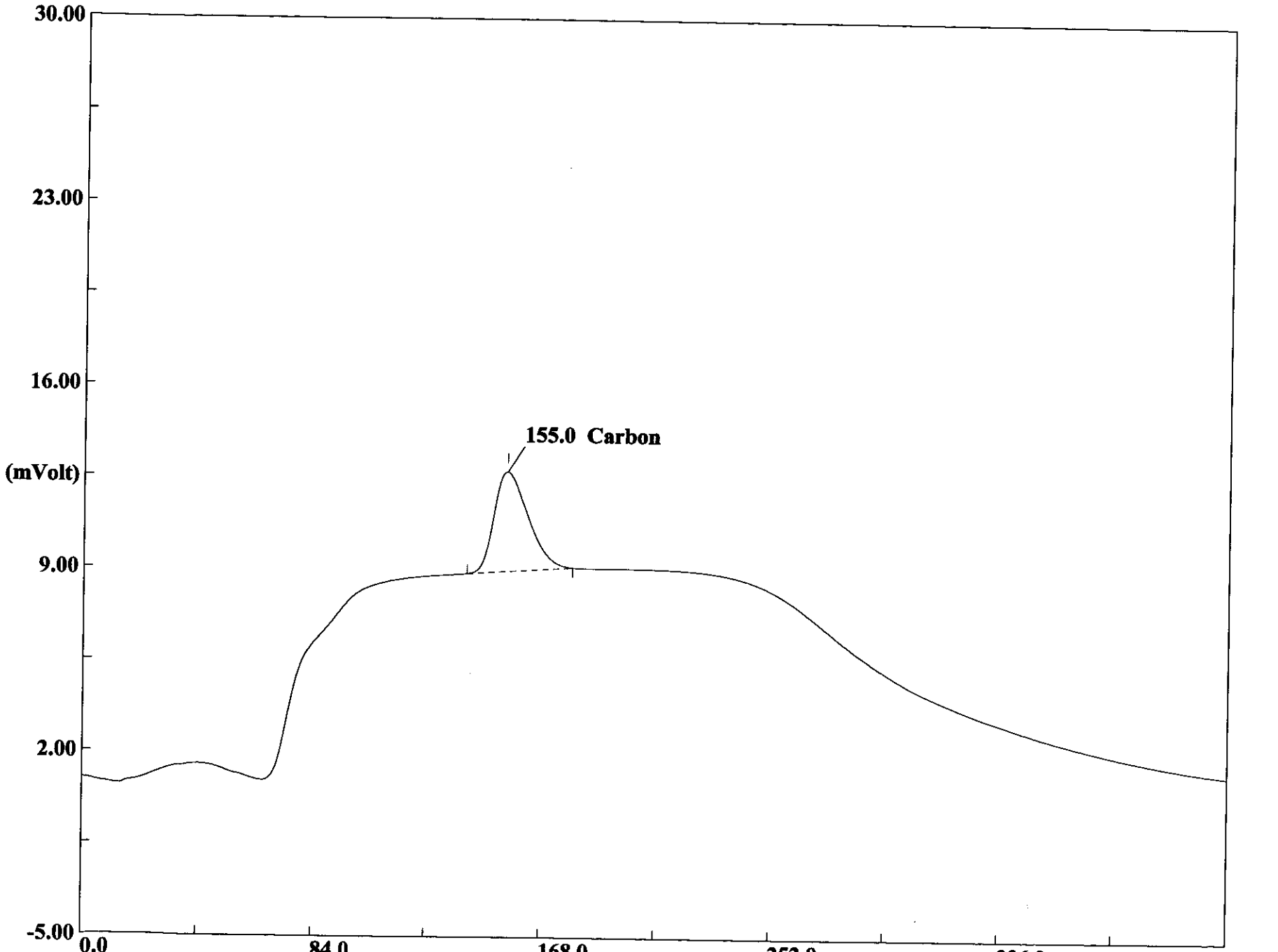
Sample name :l8vlh1ah Analysed :10/31/2010 19:30

C0J210496

4109

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110023.DAT

Sample name :l8vlh1ah Analysed :10/31/2010 19:30

Eager 300 Report

 Sample: 18vlh1ah (A103110023)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110023
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 19:30
Printed : 11/1/2010 08:03
Sample ID : 18vlh1ah (# 30)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 10

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.5187	155	543751	mi	1.000000	

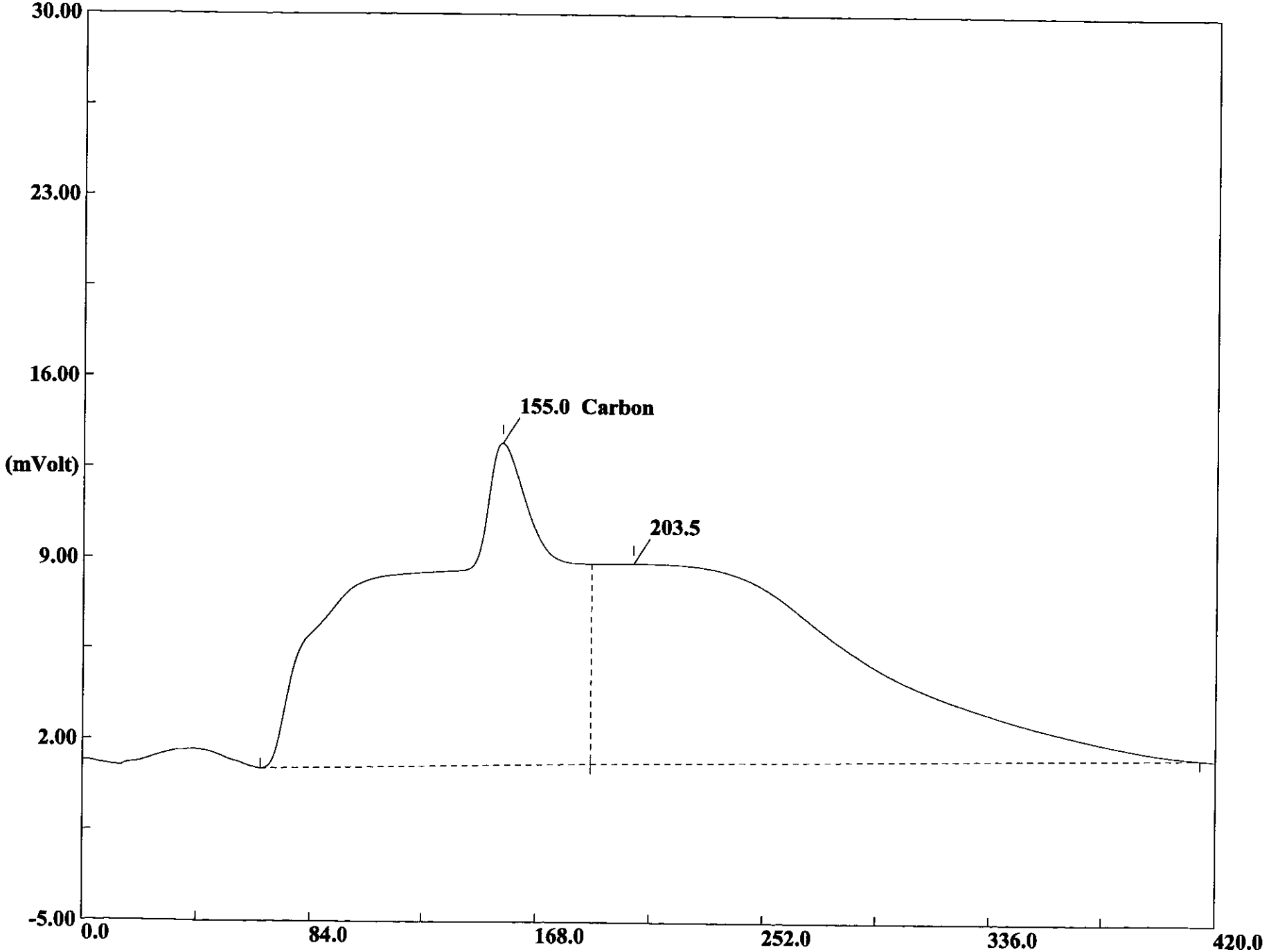
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4111

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110024.DAT

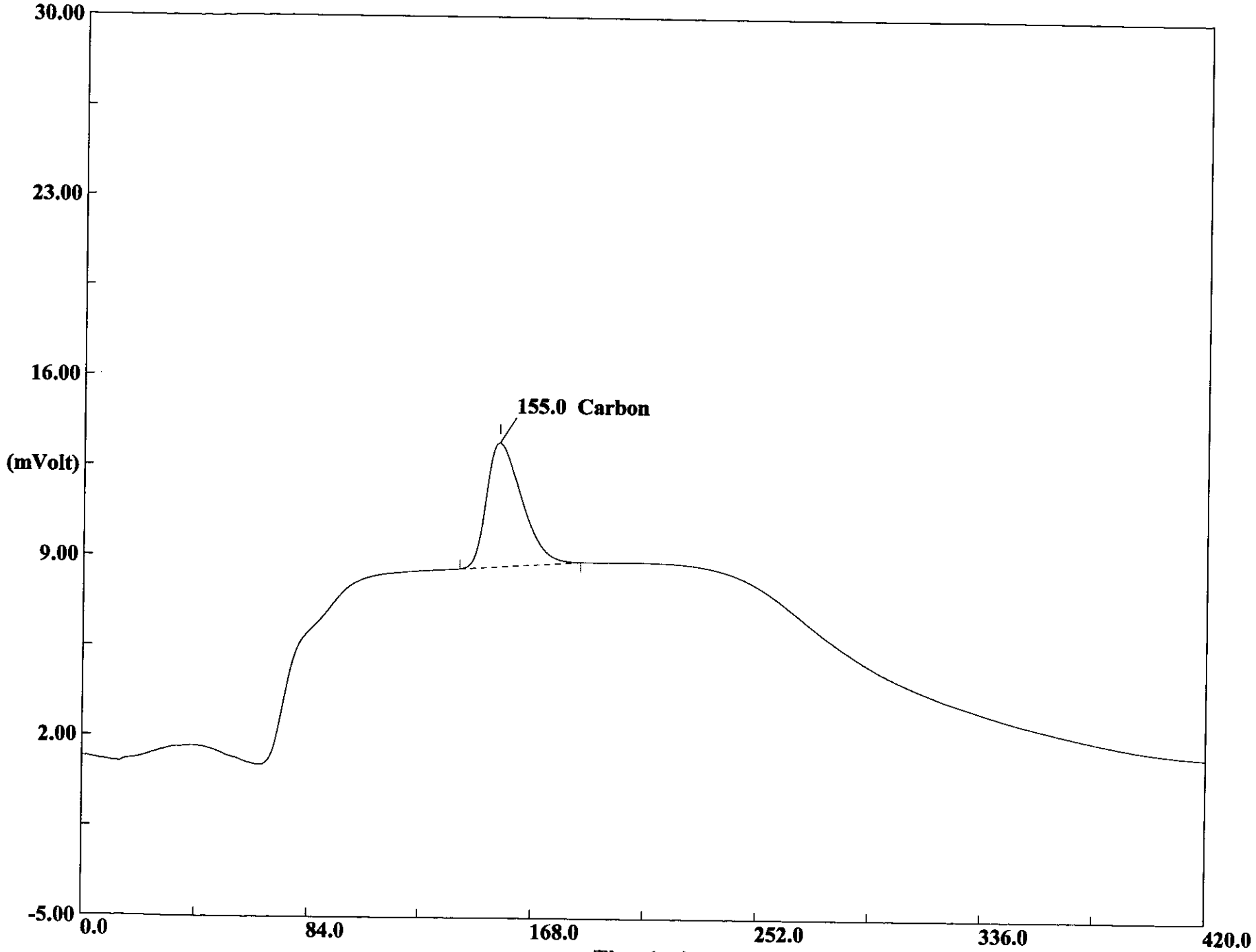
Sample name :l8vlh1ah Analysed :10/31/2010 19:37

C0J210496

4112

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110024.DAT

Sample name :l8vlh1ah Analysed :10/31/2010 19:37

Eager 300 Report

 Sample: 18v1h1ah (A103110024)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110024
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 19:37
Printed : 11/1/2010 08:03
Sample ID : 18v1h1ah (# 31)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 10.3

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	3.3147	155	734005	mi	1.000000	

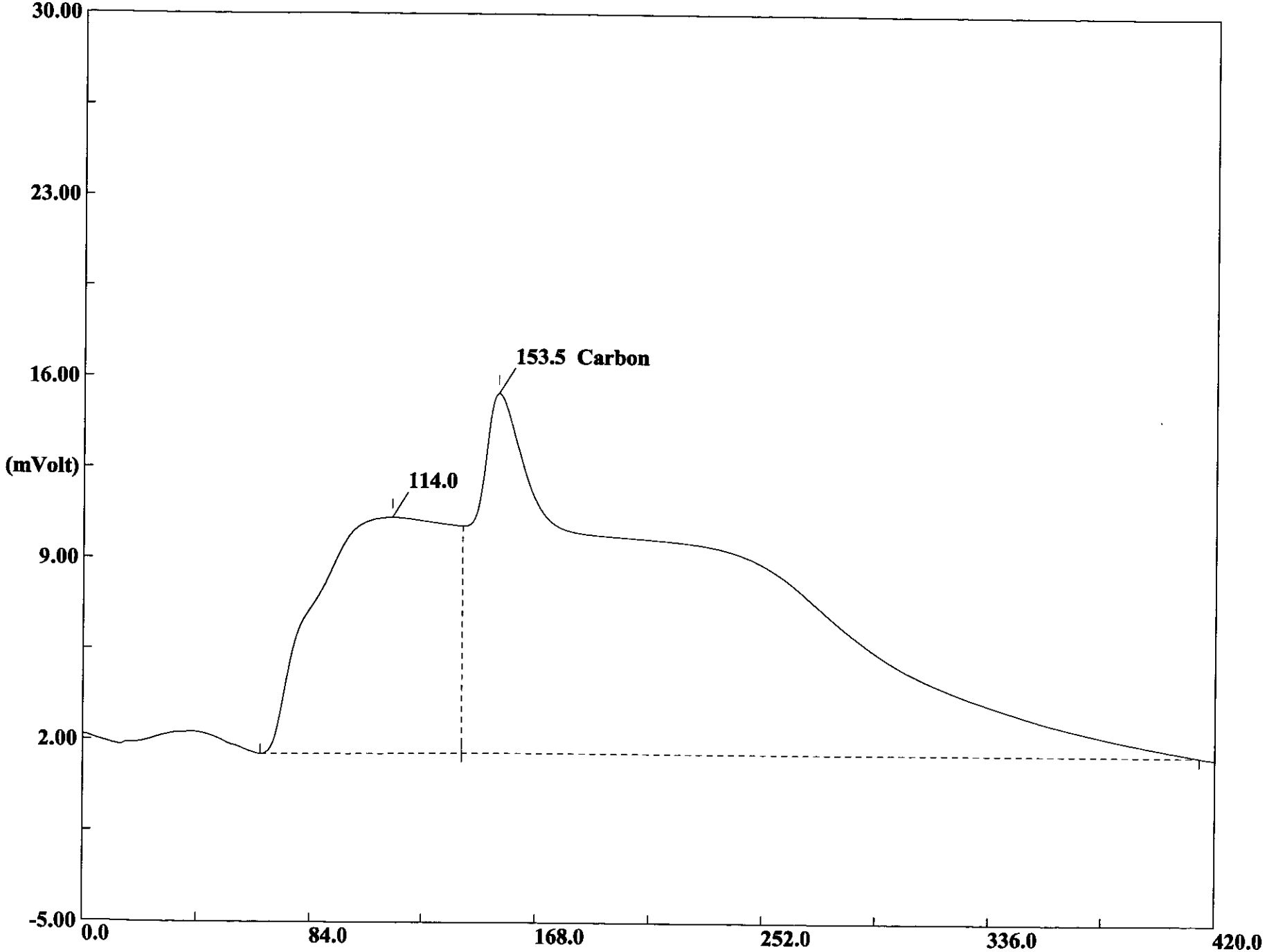
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4114

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110027.DAT

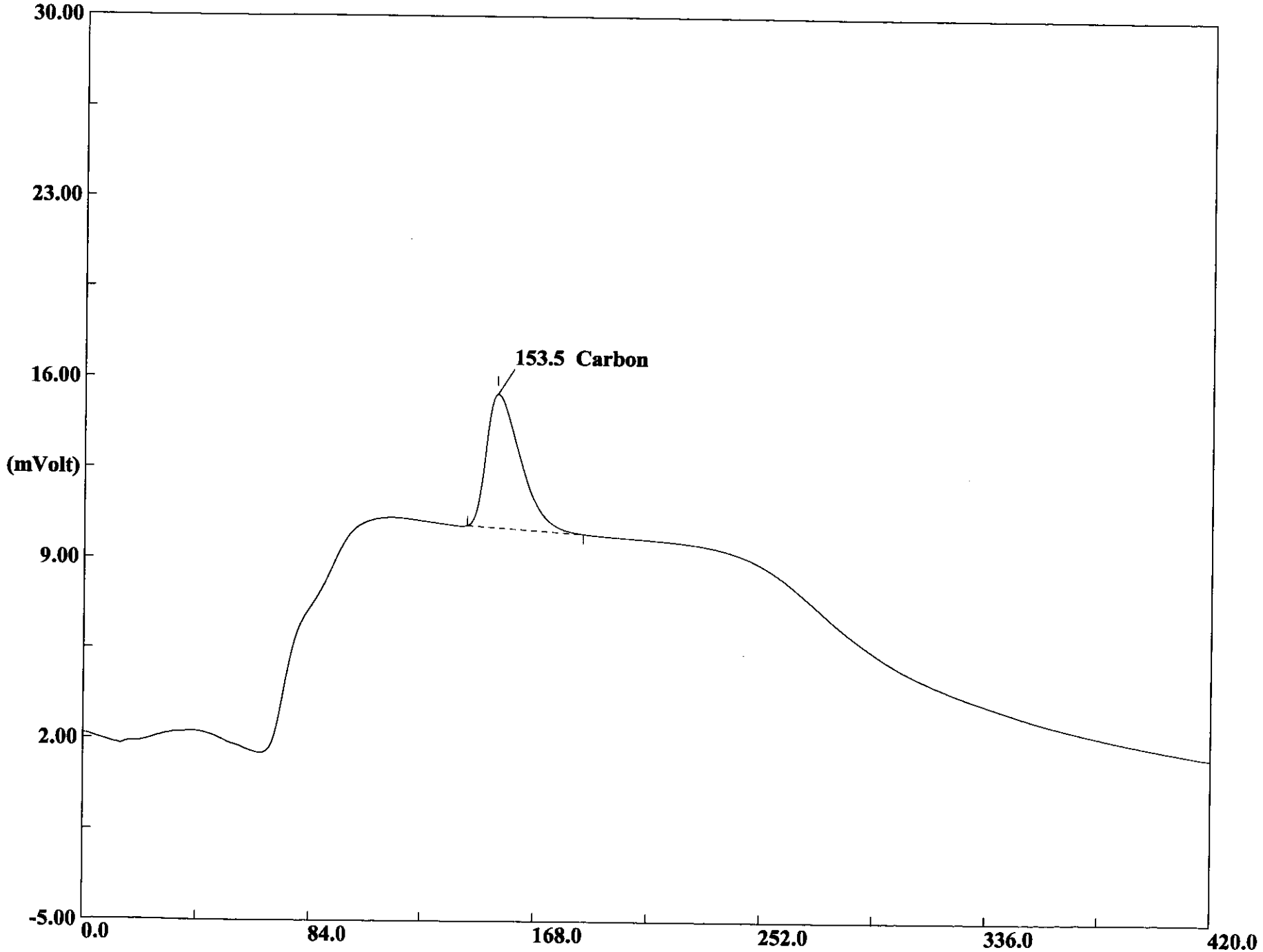
Sample name :l8vlj1aq Analysed :10/31/2010 19:59

C0J210496

4115

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110027.DAT

Sample name :l8vlj1aq Analysed :10/31/2010 19:59

Eager 300 Report

 Sample: 18vlj1aq (A103110027)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110027
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 19:59
Printed : 11/1/2010 08:03
Sample ID : 18vlj1aq (# 32)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 11.8

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.9887	154	757917	mi	1.000000	

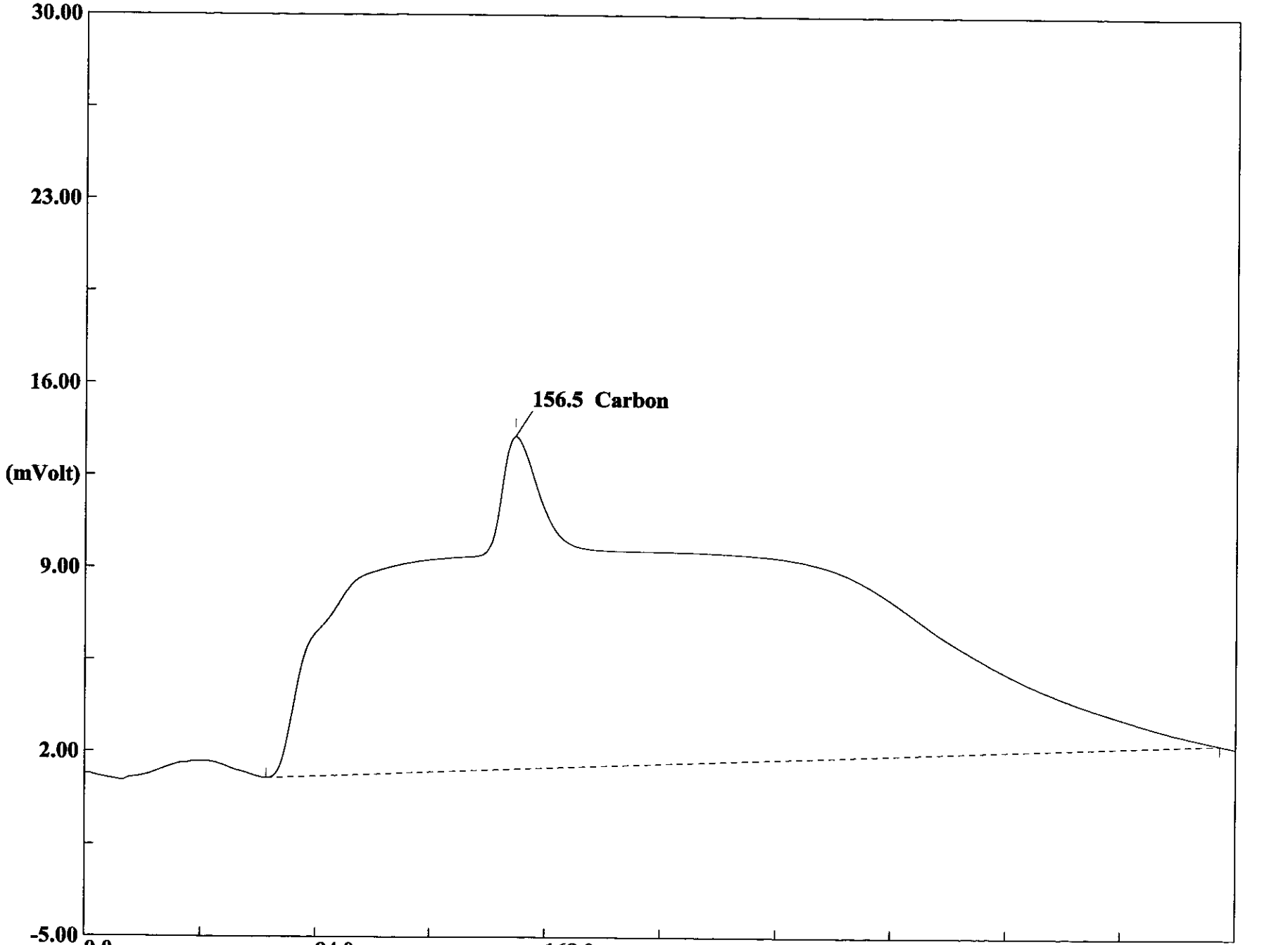
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4117

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110028.DAT

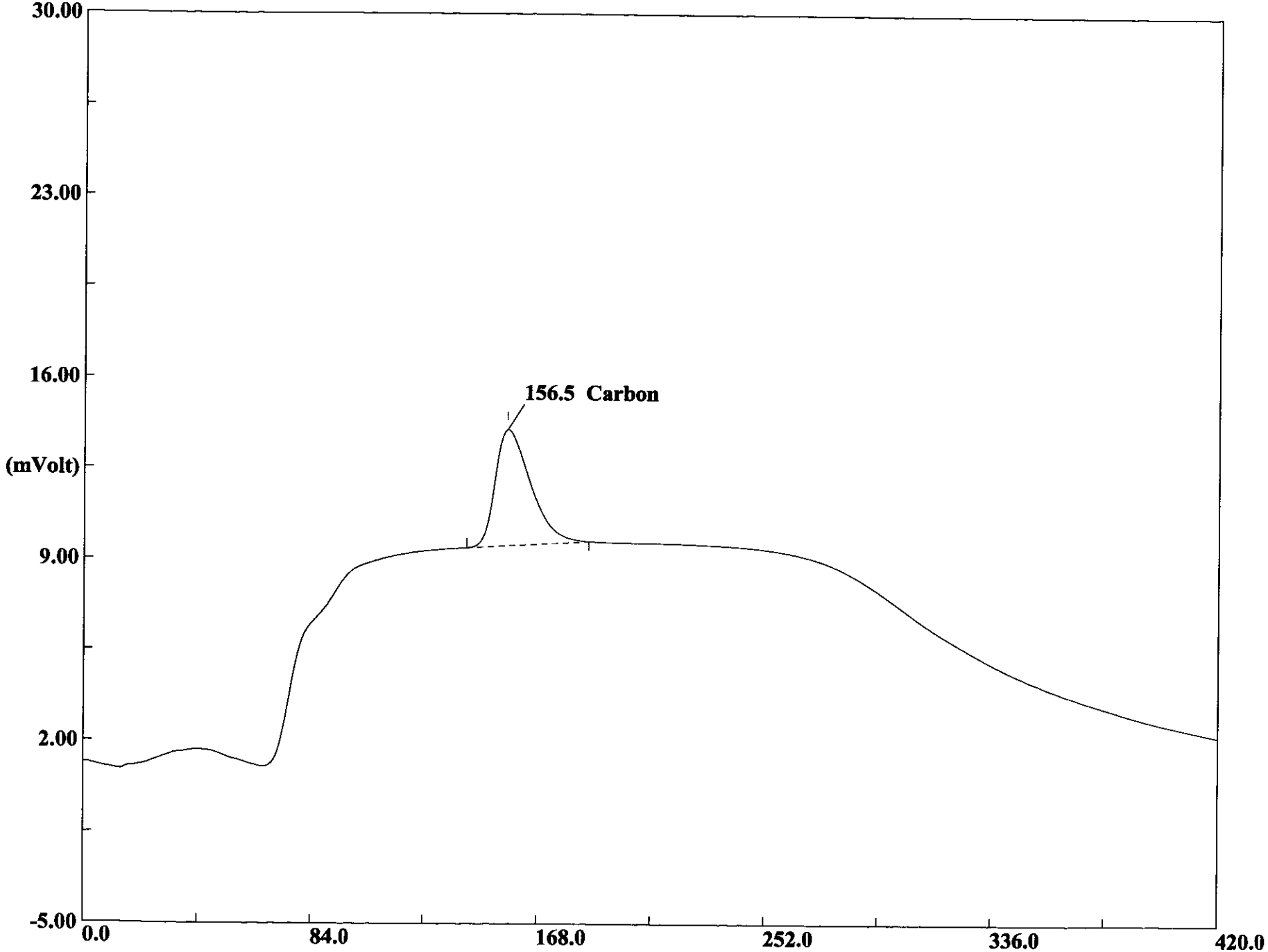
Sample name :l8vlj1aq Analysed :10/31/2010 20:06

C0J210496

4118

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110028.DAT

Sample name :l8vlj1aq Analysed :10/31/2010 20:06

Eager 300 Report

 Sample: l8vlj1aq (A103110028)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110028
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 20:06 Printed : 11/1/2010 08:03
Sample ID : l8vlj1aq (# 33) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.1

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	3.1009	157	674047	mi	1.000000	

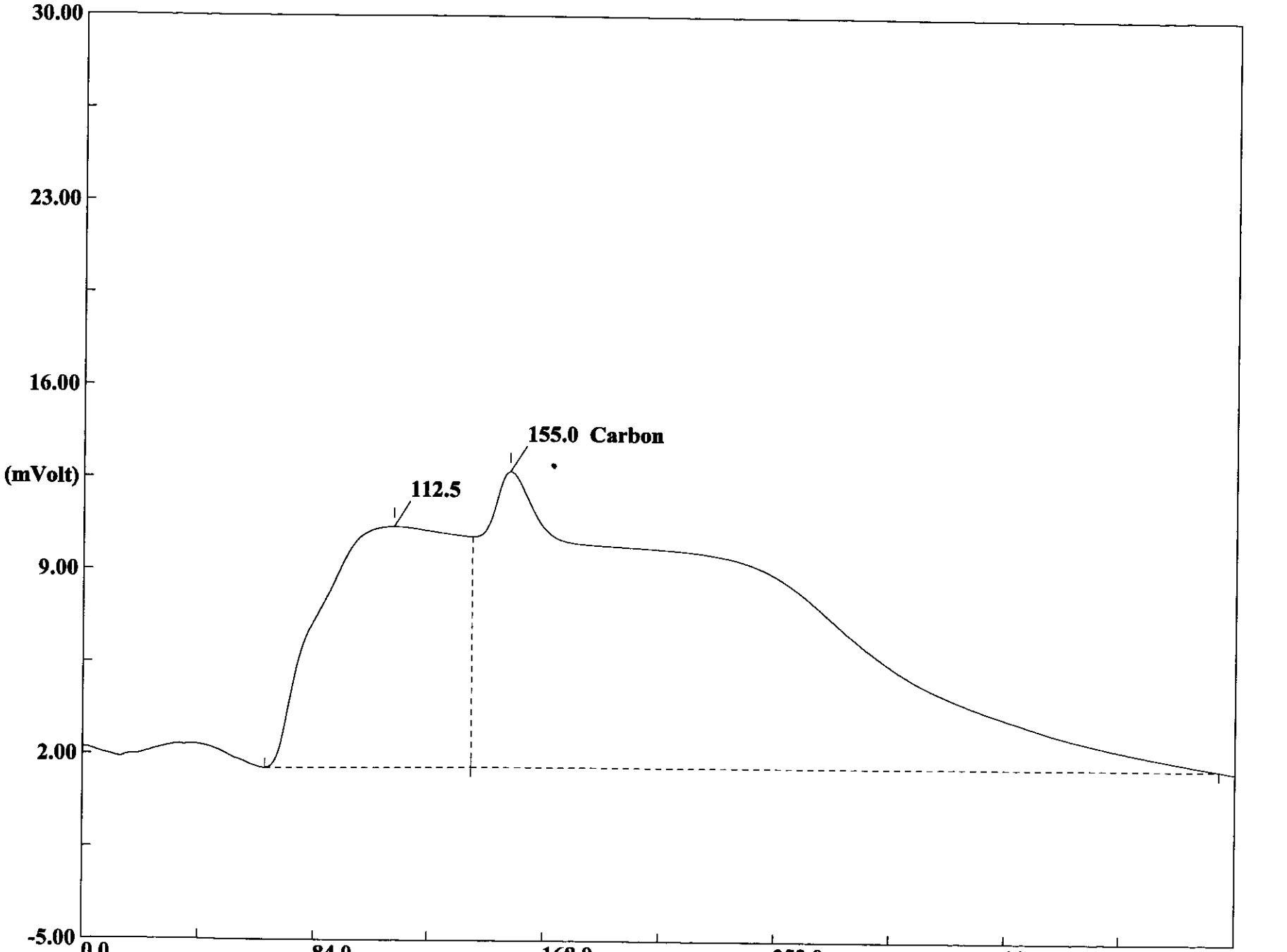
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4120

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110031.DAT

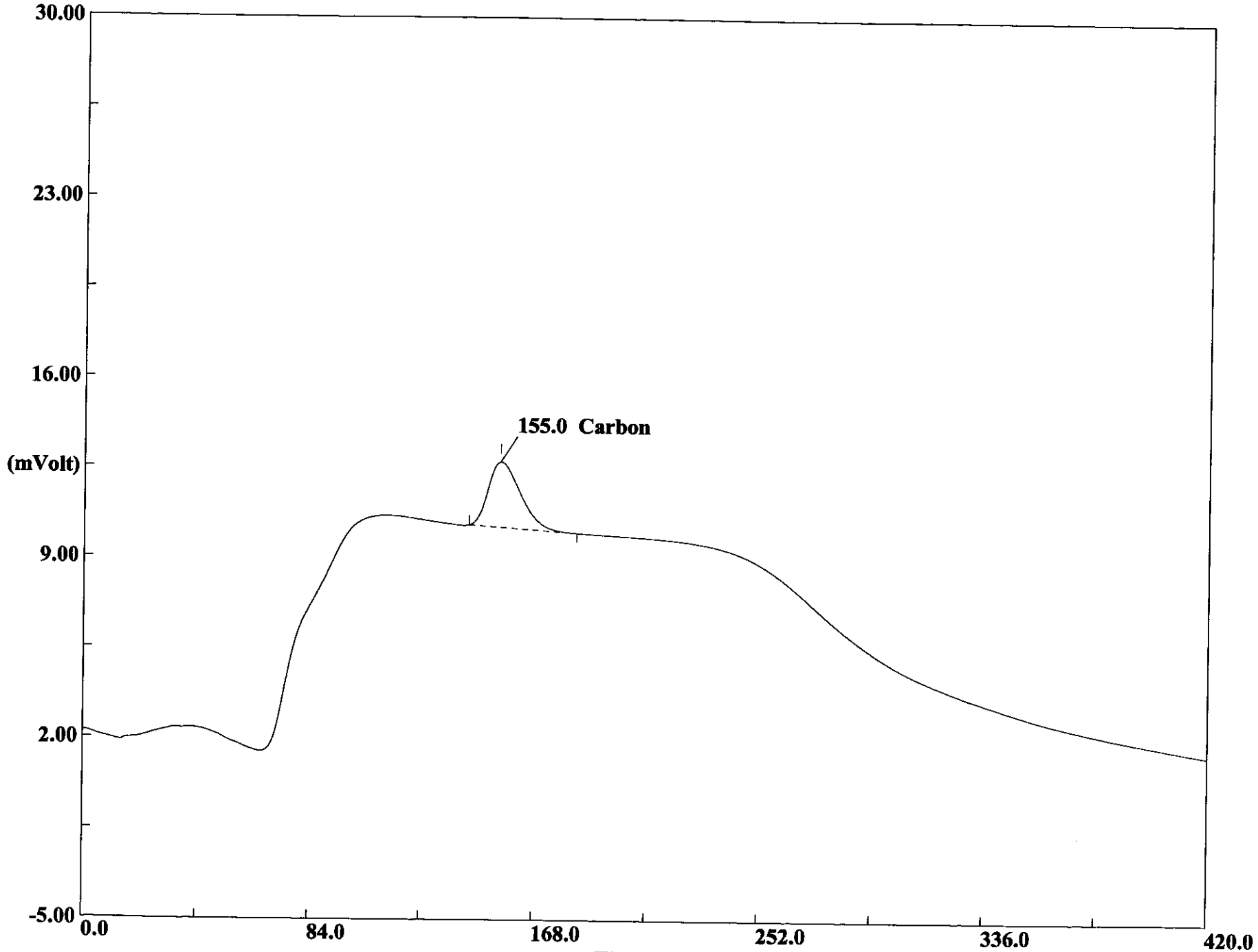
Sample name :l83lk1a6 Analysed :10/31/2010 20:28

C0J210496

4121

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110031.DAT

Sample name :l83lk1a6 Analysed :10/31/2010 20:28

Eager 300 Report

 Sample: 1831k1a6 (A103110031)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110031
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 20:28 Printed : 11/1/2010 08:03
Sample ID : 1831k1a6 (# 34) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 5.1

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	3.1486	155	349782	mi	1.000000	

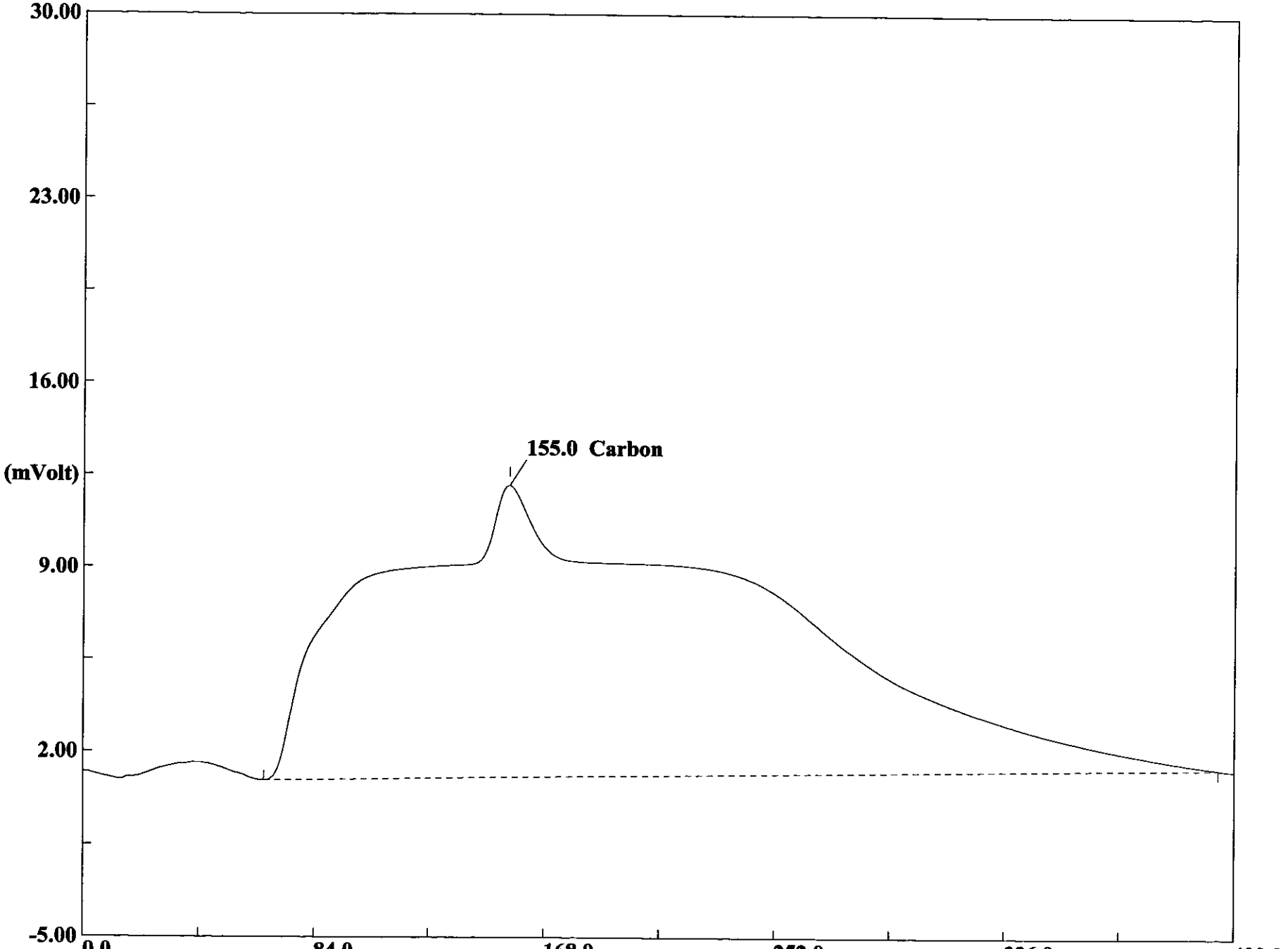
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4123

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110032.DAT

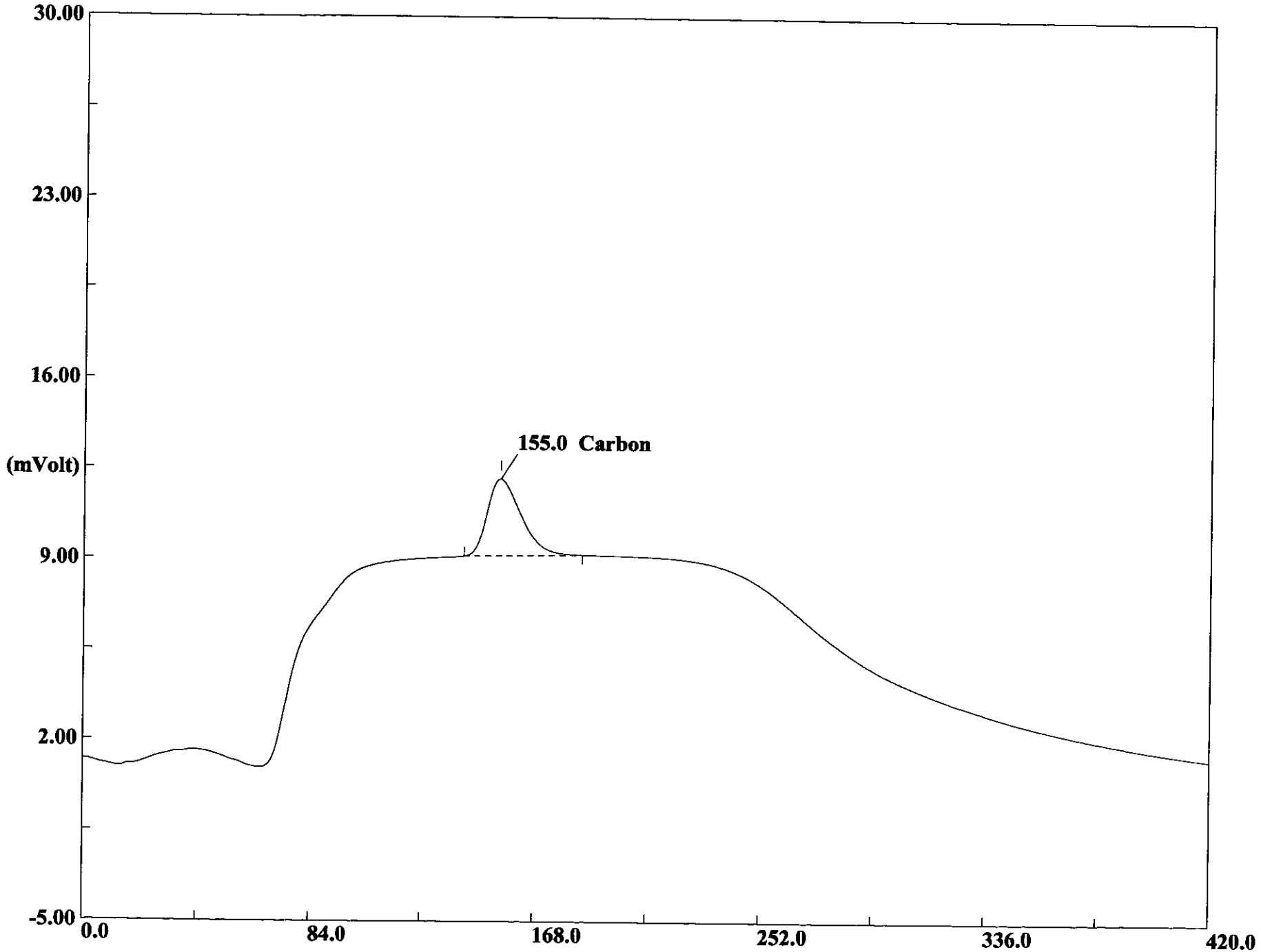
Sample name :l83lk1a6 Analysed :10/31/2010 20:35

C0J210496

4124

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110032.DAT

Sample name :l83lk1a6 Analysed :10/31/2010 20:35

Eager 300 Report

 Sample: 1831k1a6 (A103110032)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110032
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 20:35
Printed : 11/1/2010 08:03
Sample ID : 1831k1a6 (# 35)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 5.2

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	3.8222	155	430895	mi	1.000000	

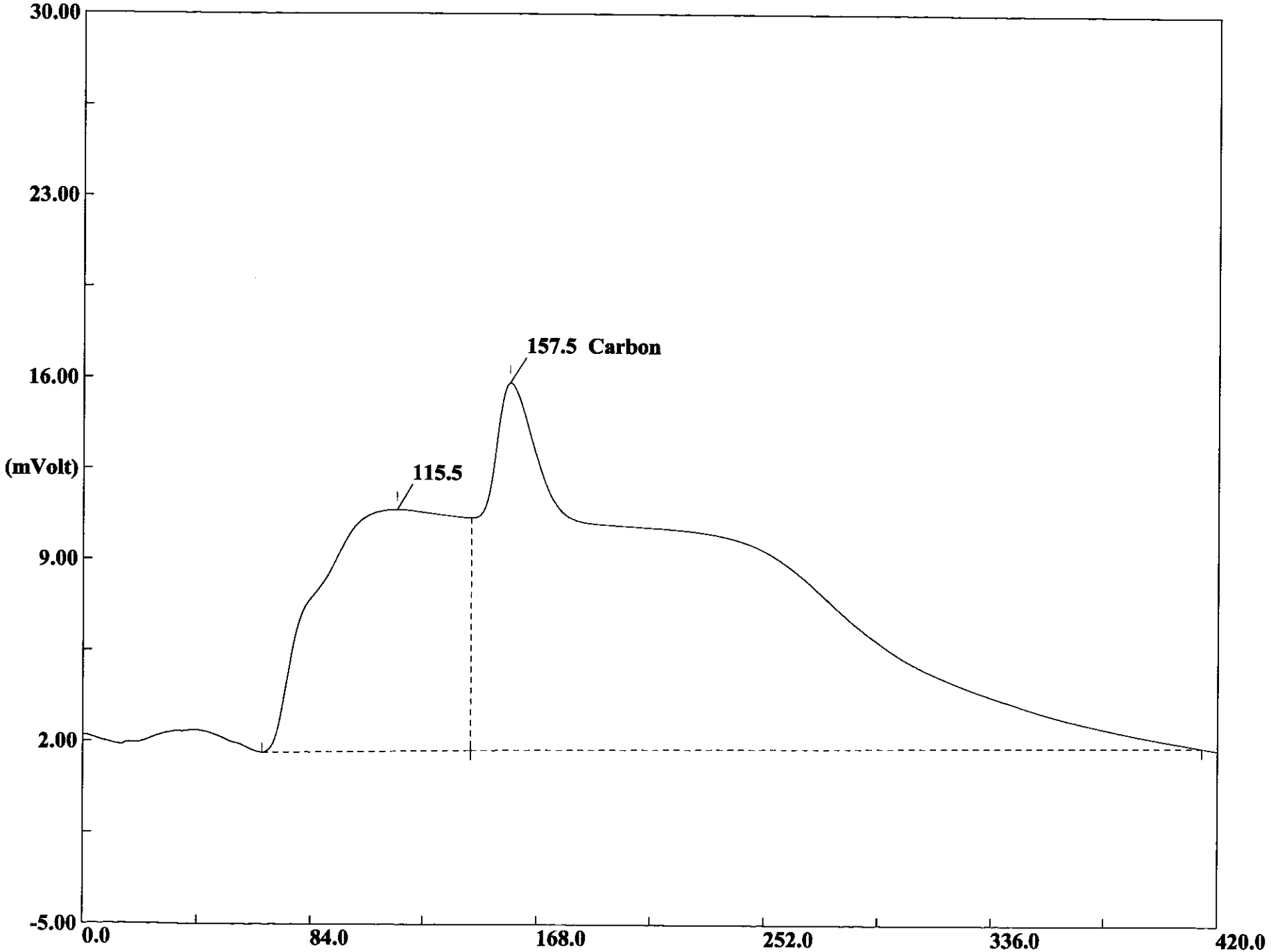
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4126

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110035.DAT

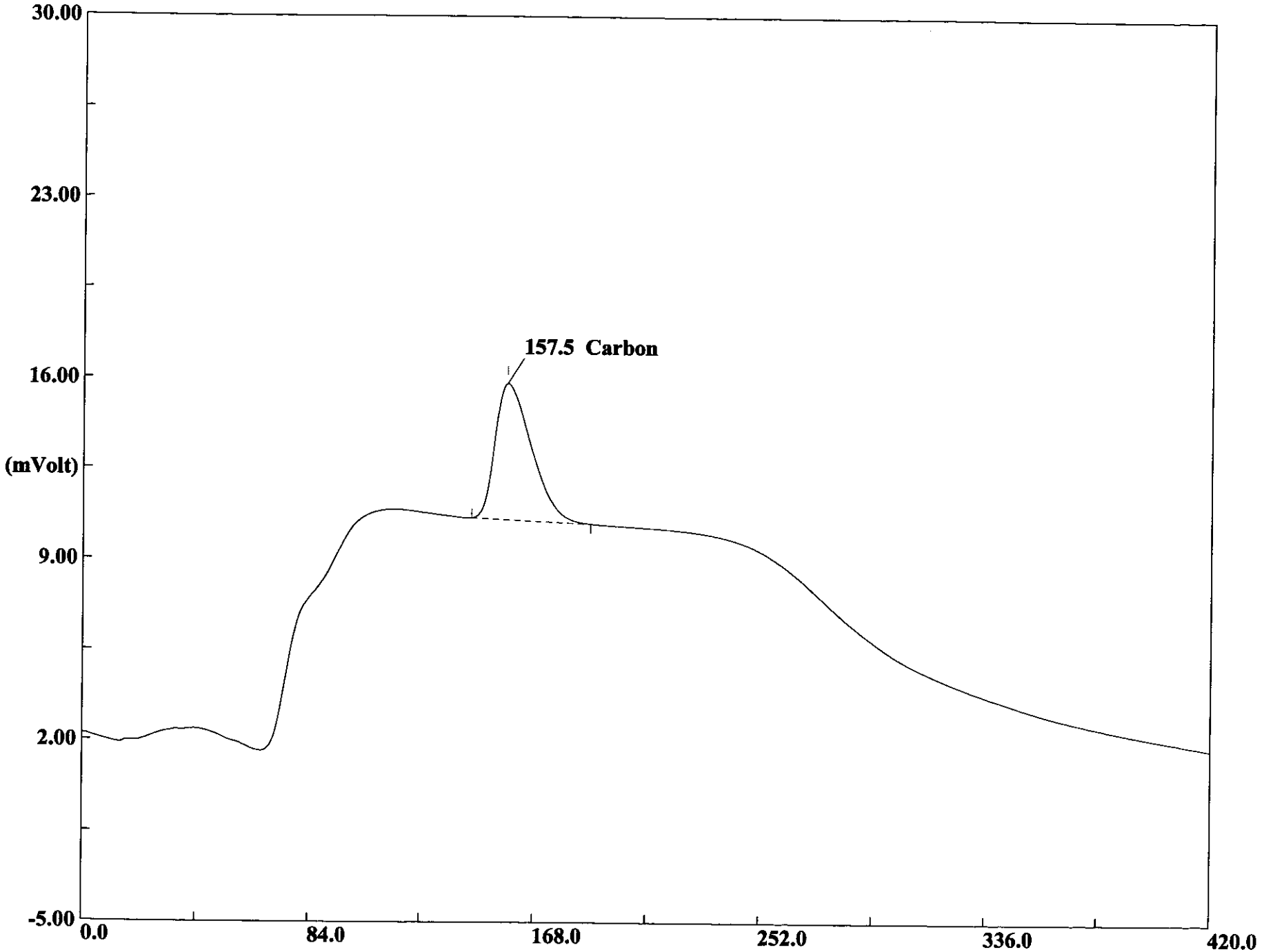
Sample name :l83lk1d9 Analysed :10/31/2010 20:57

C0J210496

4127

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110035.DAT

Sample name :l83lk1d9 Analysed :10/31/2010 20:57

Eager 300 Report

 Sample: 1831k1d9 (A103110035)

Method Name	: Lloyd Kahn TOC		
Method File	: C:\data\January\103110.mth		
Chromatogram	: A103110035		
Operator ID	: James DeRubeis	Company Name	: TESTAMERICA PITT
Analysed	: 10/31/2010 20:57	Printed	: 11/1/2010 08:03
Sample ID	: 1831k1d9 (# 36)	Instrument N.	: Instrument #1
Analysis Type	: UnkNown (Area)	Sample weight	: 5.9

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	6.4791	158	820819	mi	1.000000	

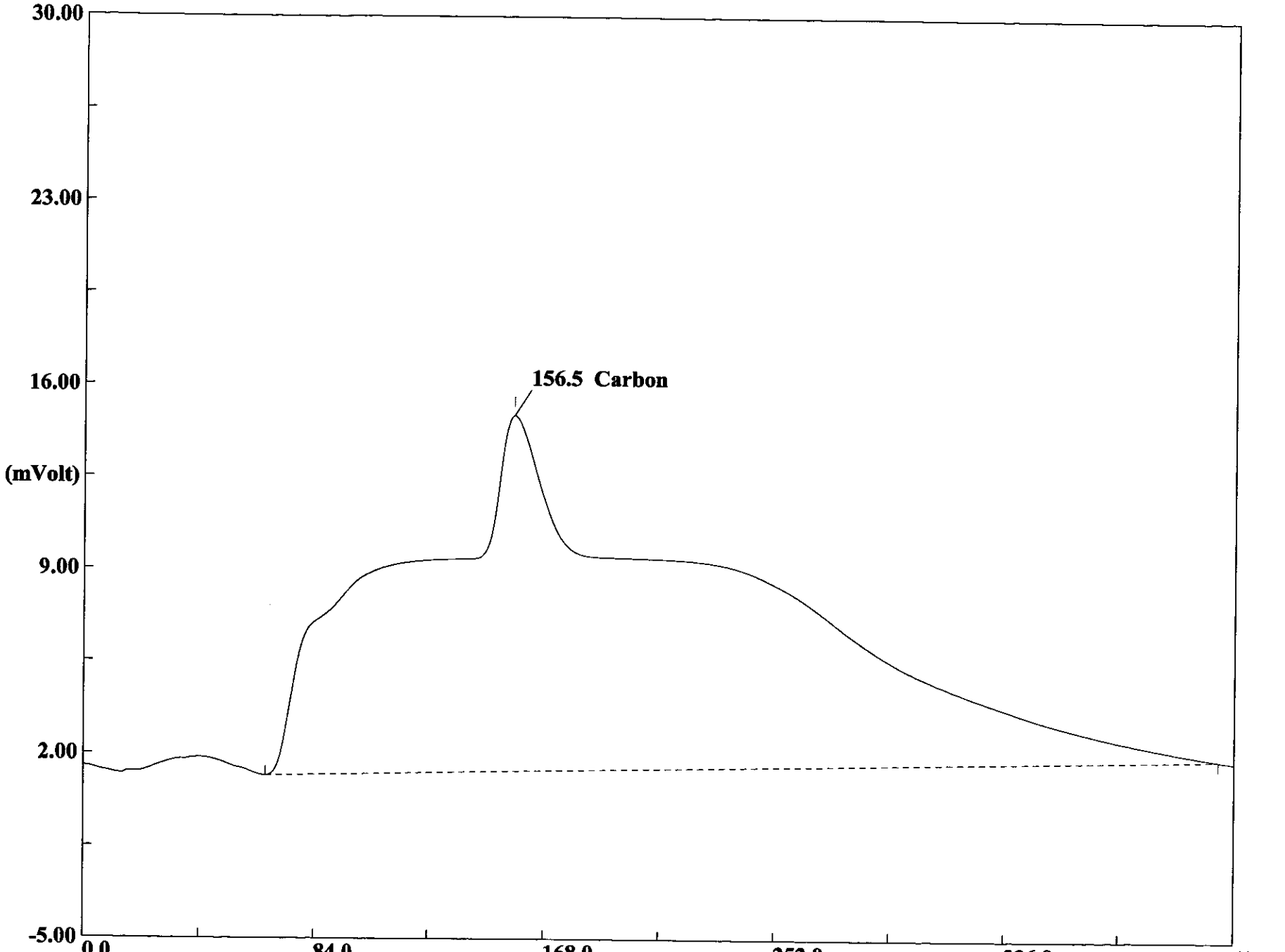
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4129

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110036.DAT

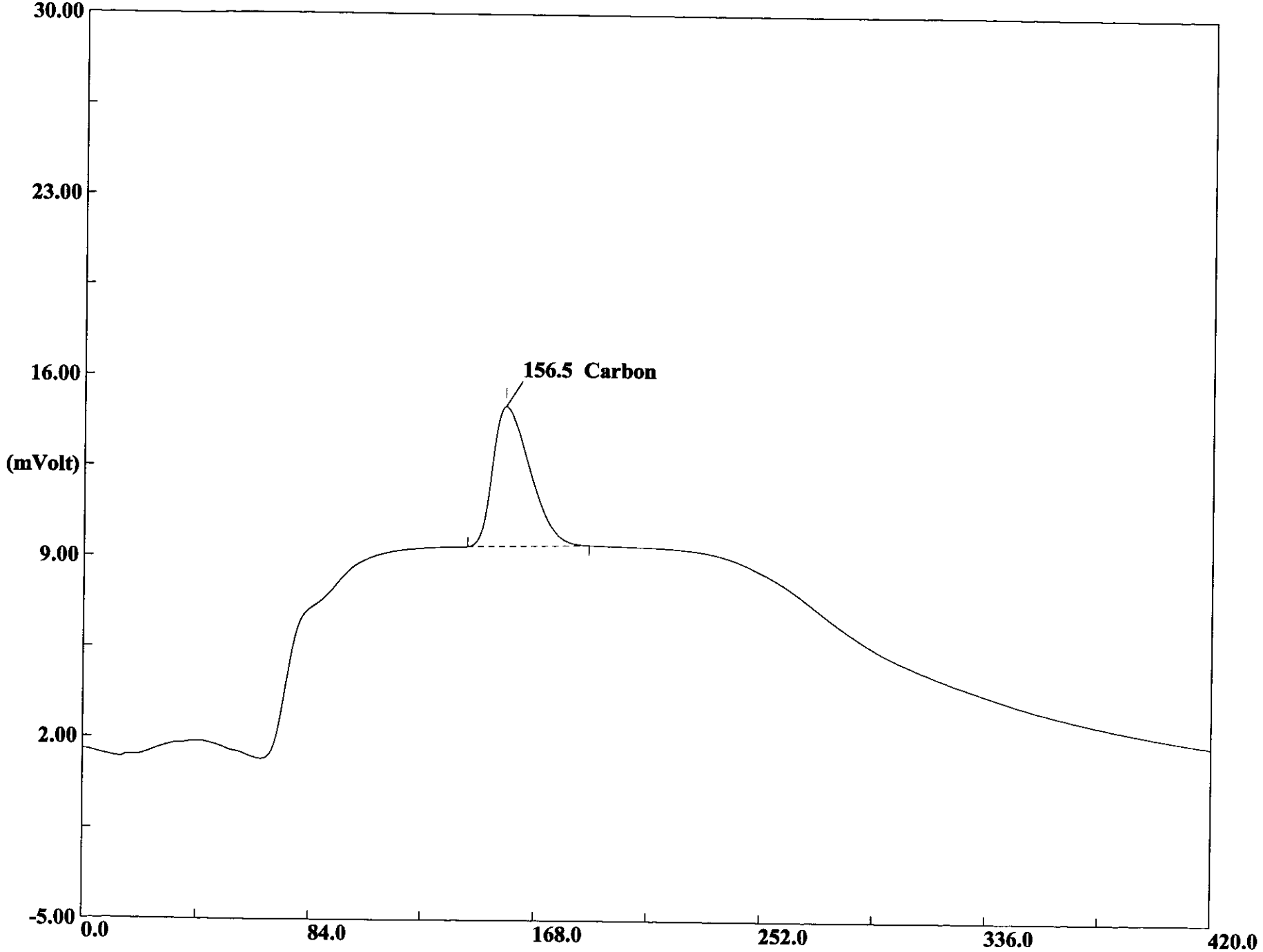
Sample name :l83lk1d9 Analysed :10/31/2010 21:04

C0J210496

4130

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110036.DAT

Sample name :l83lk1d9 Analysed :10/31/2010 21:04

Eager 300 Report

 Sample: 1831k1d9 (A103110036)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110036
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 21:04
Printed : 11/1/2010 08:03
Sample ID : 1831k1d9 (# 37)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 5.4

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	7.4530	157	863724	mi	1.000000	

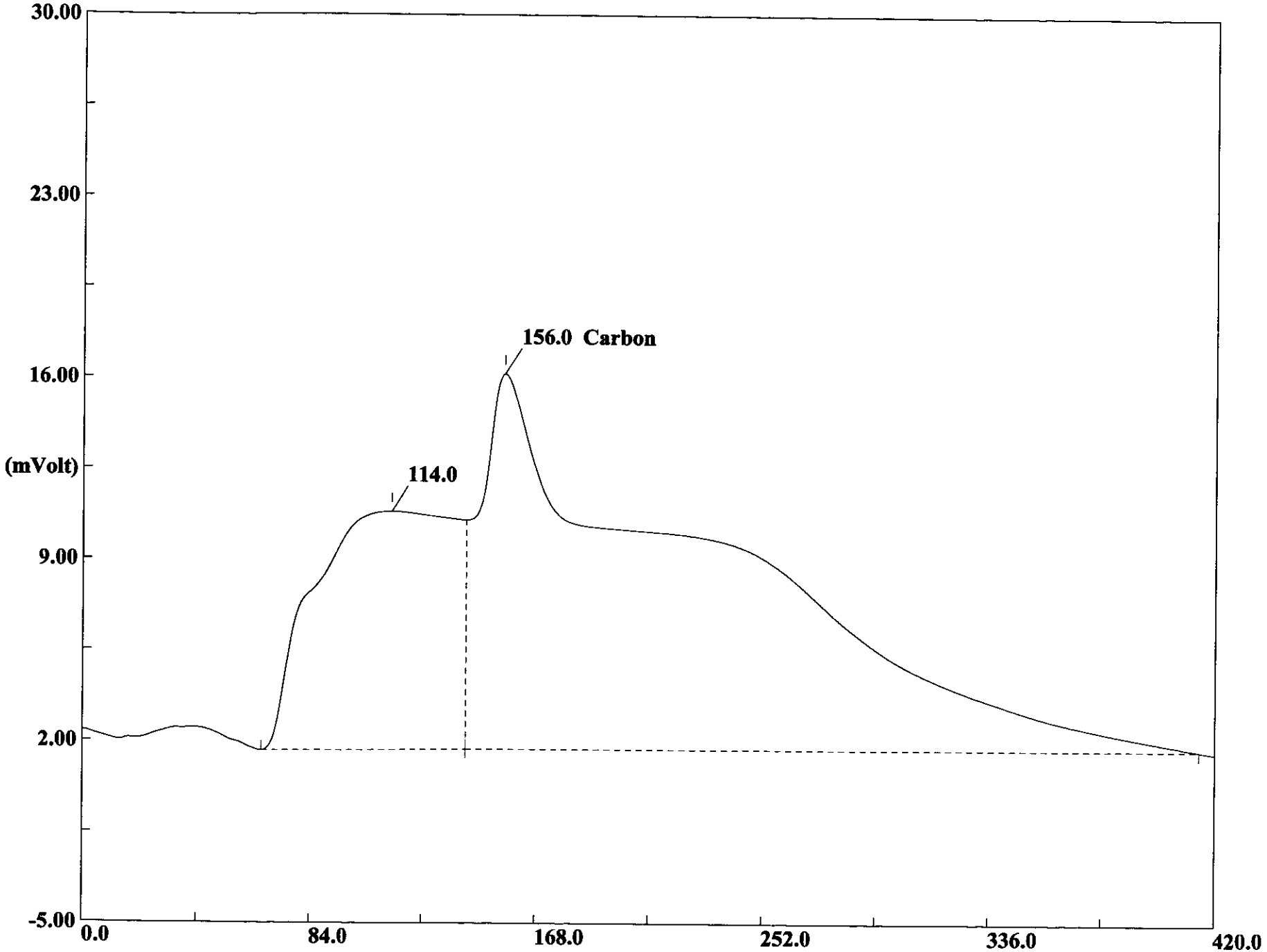
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4132

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110039.DAT

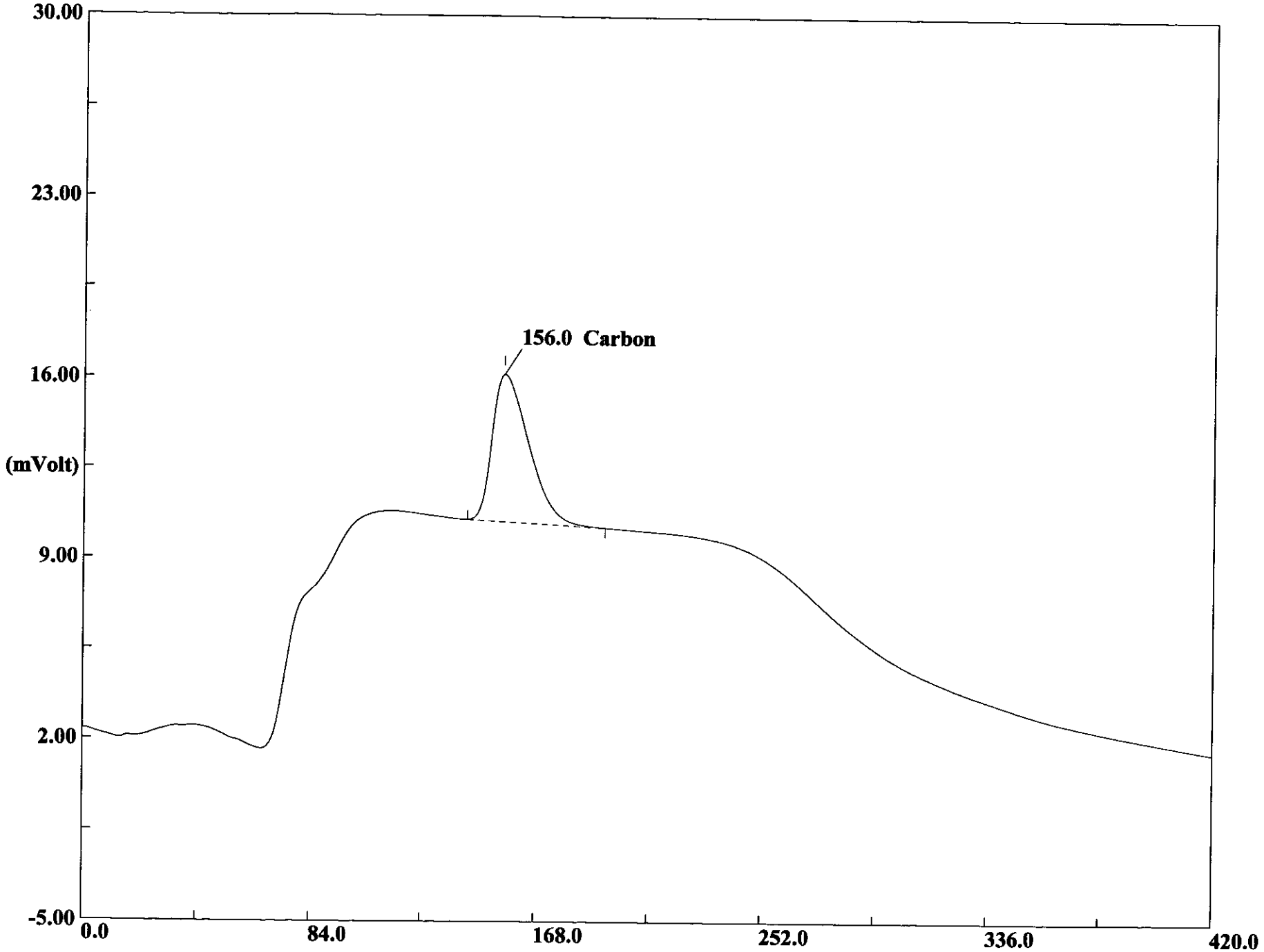
Sample name :l83lk1d8 Analysed :10/31/2010 21:26

C0J210496

4133

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110039.DAT

Sample name :l83lk1d8 Analysed :10/31/2010 21:26

Eager 300 Report

 Sample: 1831k1d8 (A103110039)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110039
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 21:26
Printed : 11/1/2010 08:03
Sample ID : 1831k1d8 (# 38)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 5.8

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	7.1787	156	893267	mi	1.000000	

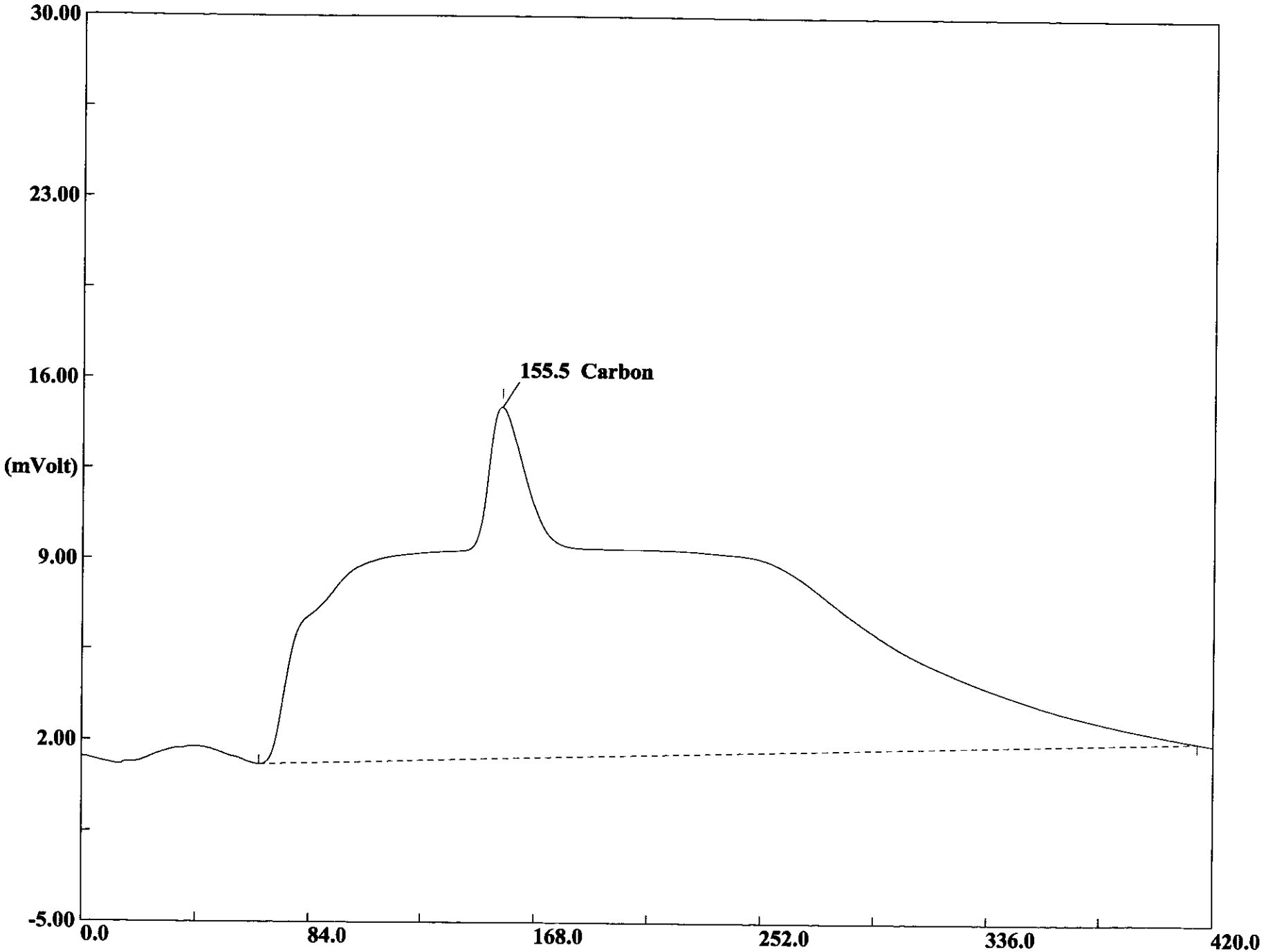
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4135

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110040.DAT

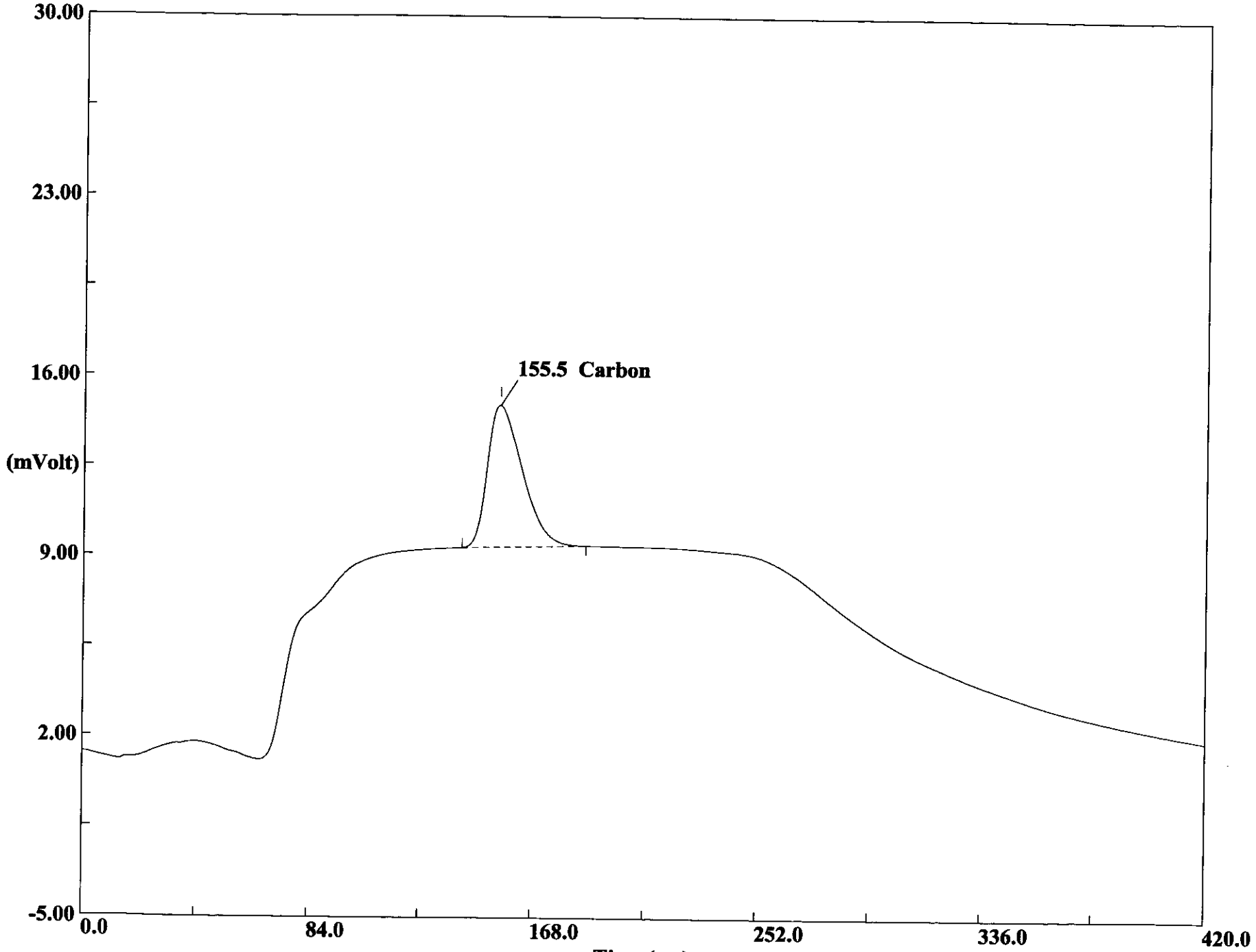
Sample name :l83lk1d8 Analysed :10/31/2010 21:33

C0J210496

4136

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110040.DAT

Sample name :l83lk1d8 Analysed :10/31/2010 21:33

Eager 300 Report

 Sample: 1831k1d8 (A103110040)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110040
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 21:33
Printed : 11/1/2010 08:03
Sample ID : 1831k1d8 (# 39)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 4.3

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	9.0102	156	831799	mi	1.000000	

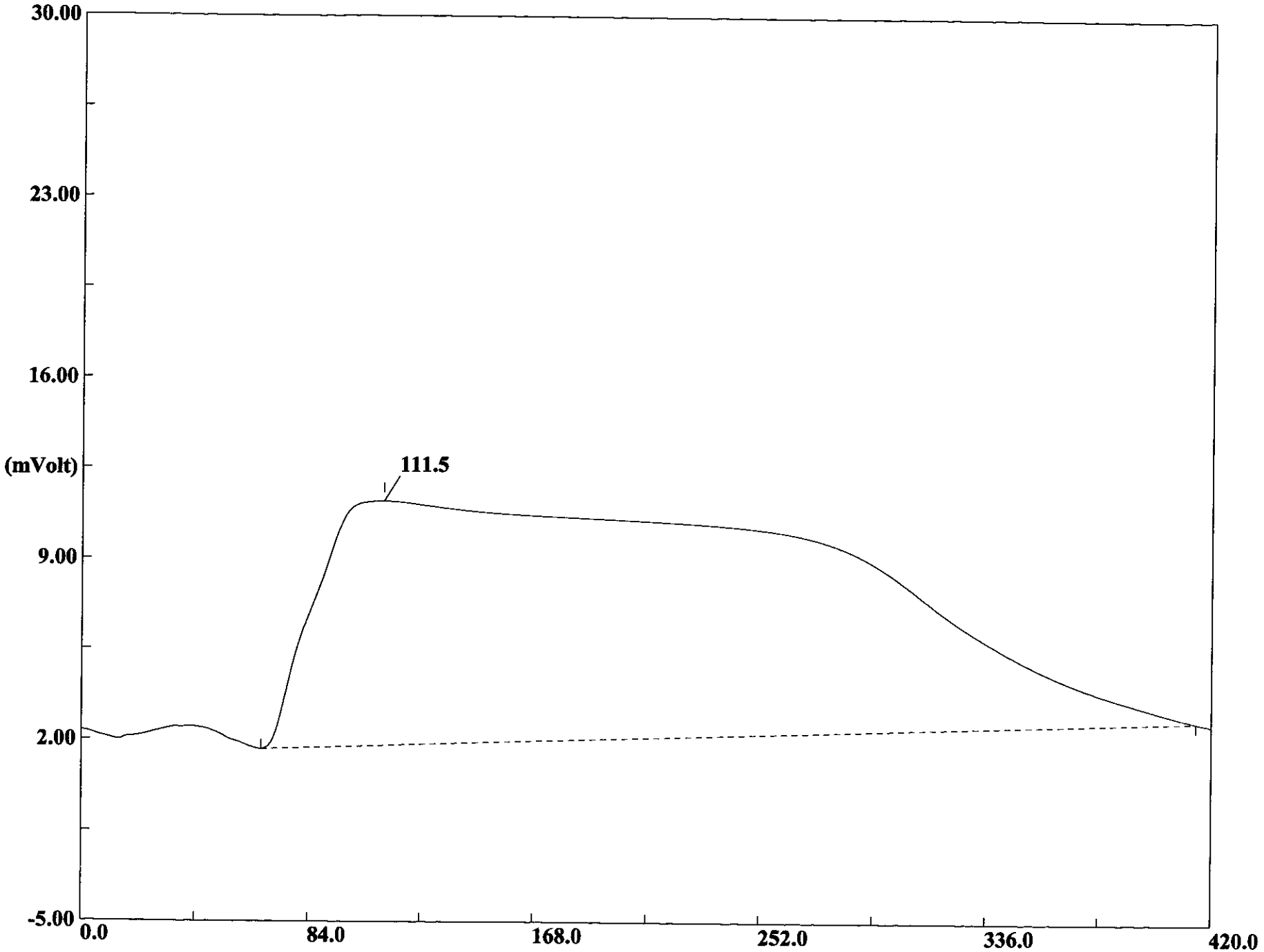
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4138

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110043.DAT

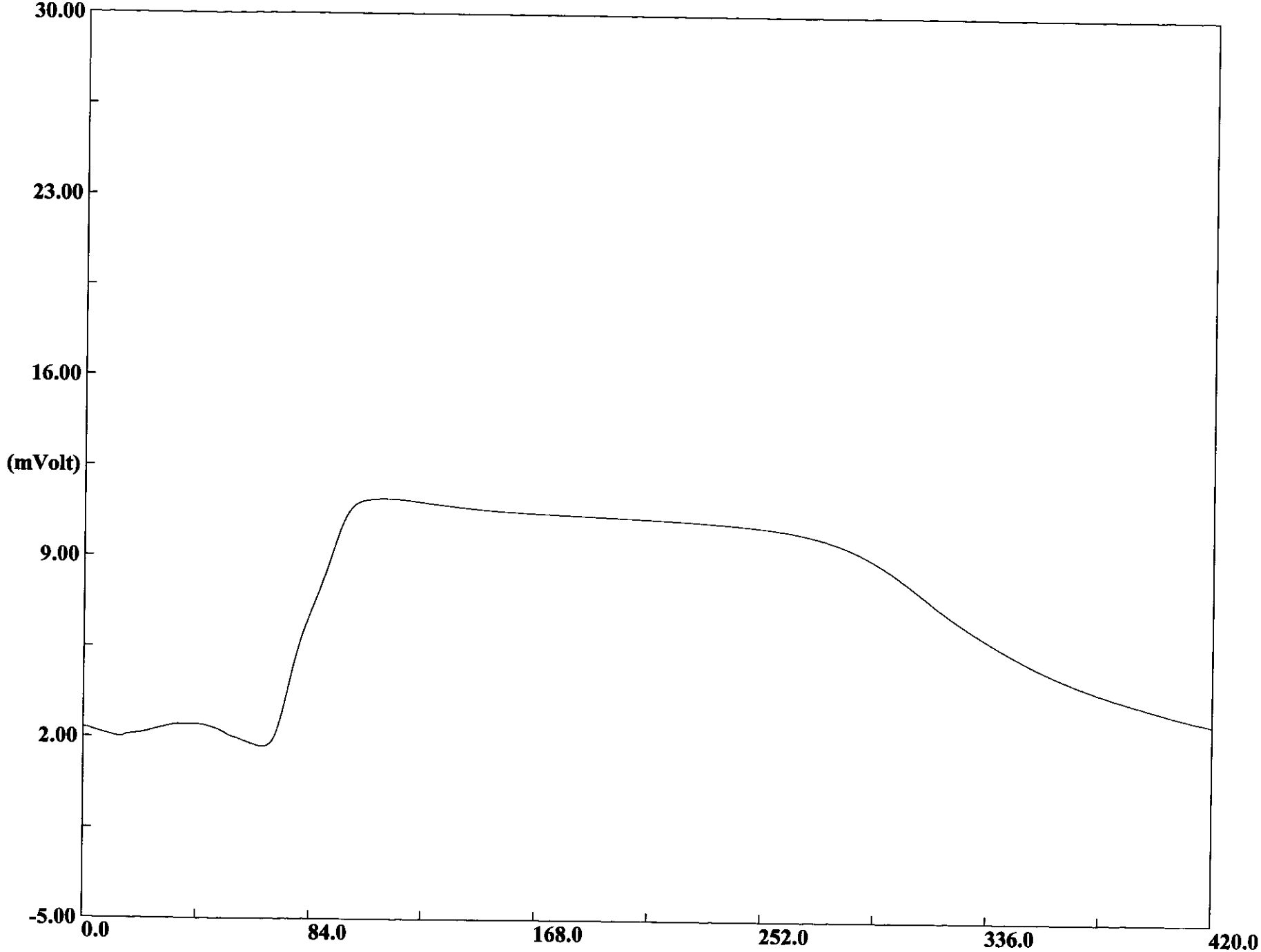
Sample name :ccb Analysed :10/31/2010 21:55

C0J210496

4139

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110043.DAT

Sample name :ccb Analysed :10/31/2010 21:55

Eager 300 Report

 Sample: ccb (A103110043)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110043
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 21:55
Printed : 11/1/2010 08:03
Sample ID : ccb (# 40)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

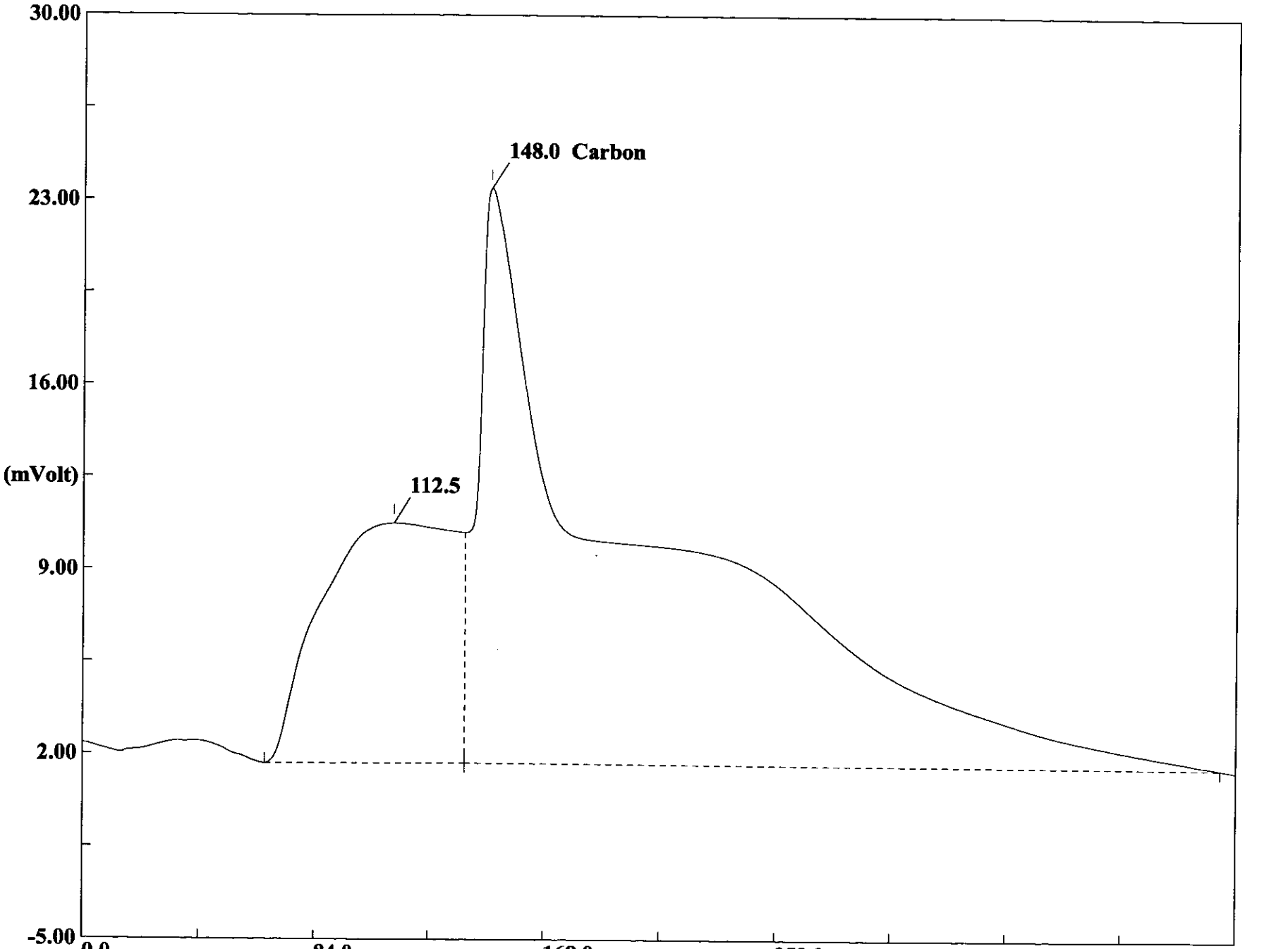
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4141

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110044.DAT

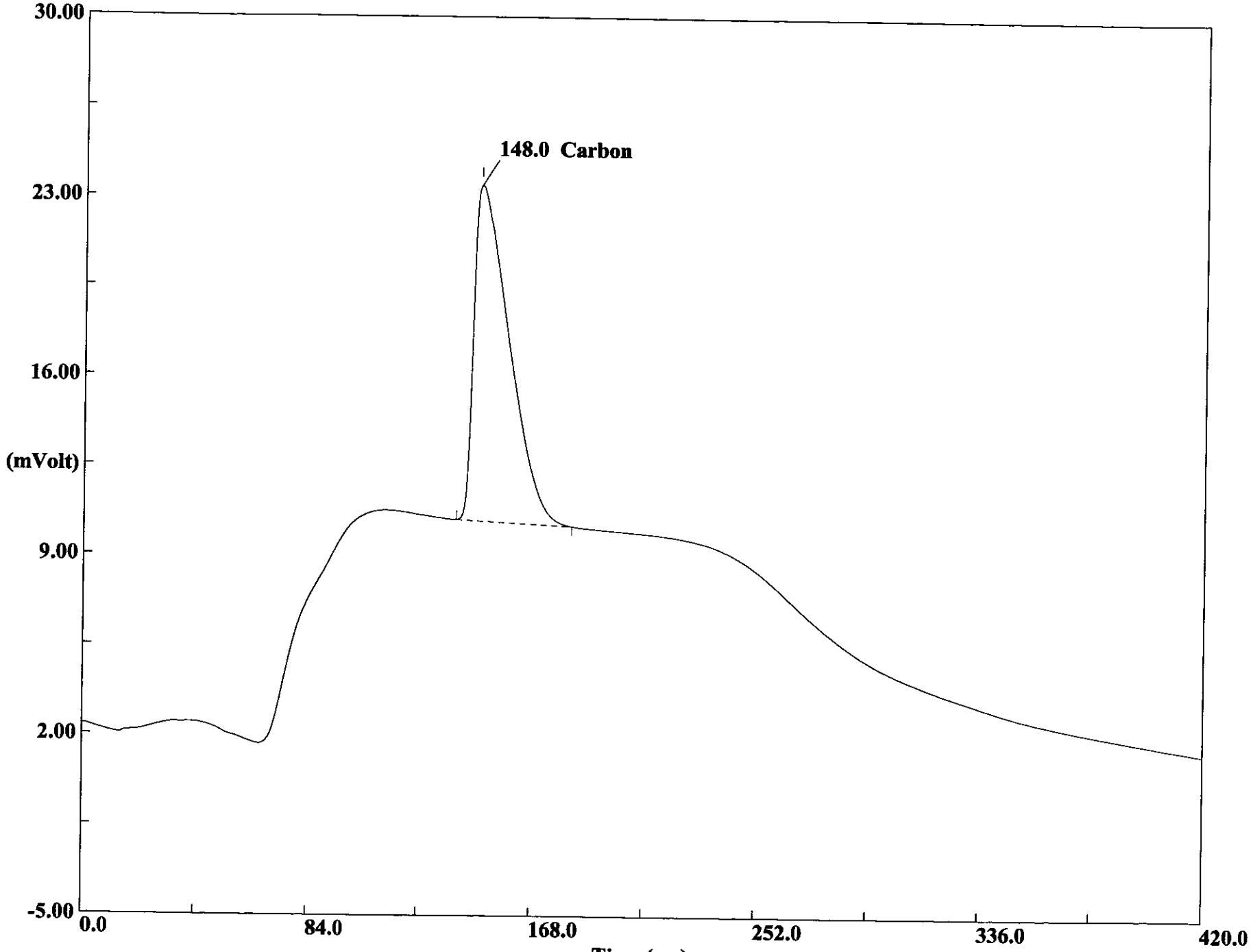
Sample name :ccv Analysed :10/31/2010 22:02

C0J210496

4142

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110044.DAT

Sample name :ccv Analysed :10/31/2010 22:02

Eager 300 Report

 Sample: ccv (A103110044)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110044
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 22:02
Printed : 11/1/2010 08:03
Sample ID : ccv (# 41)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9327	148	1990427	mi	1.000000	

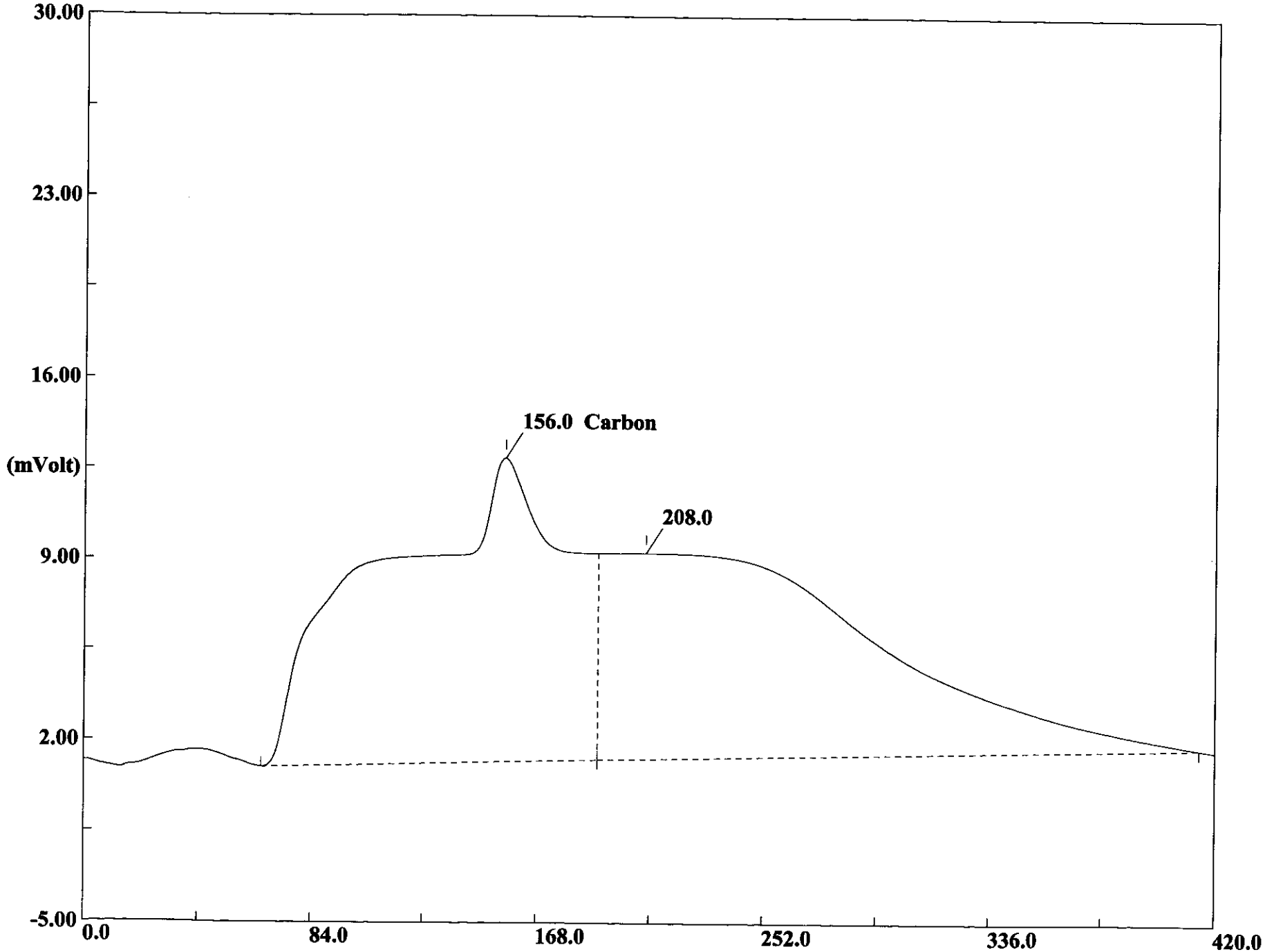
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4144

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110045.DAT

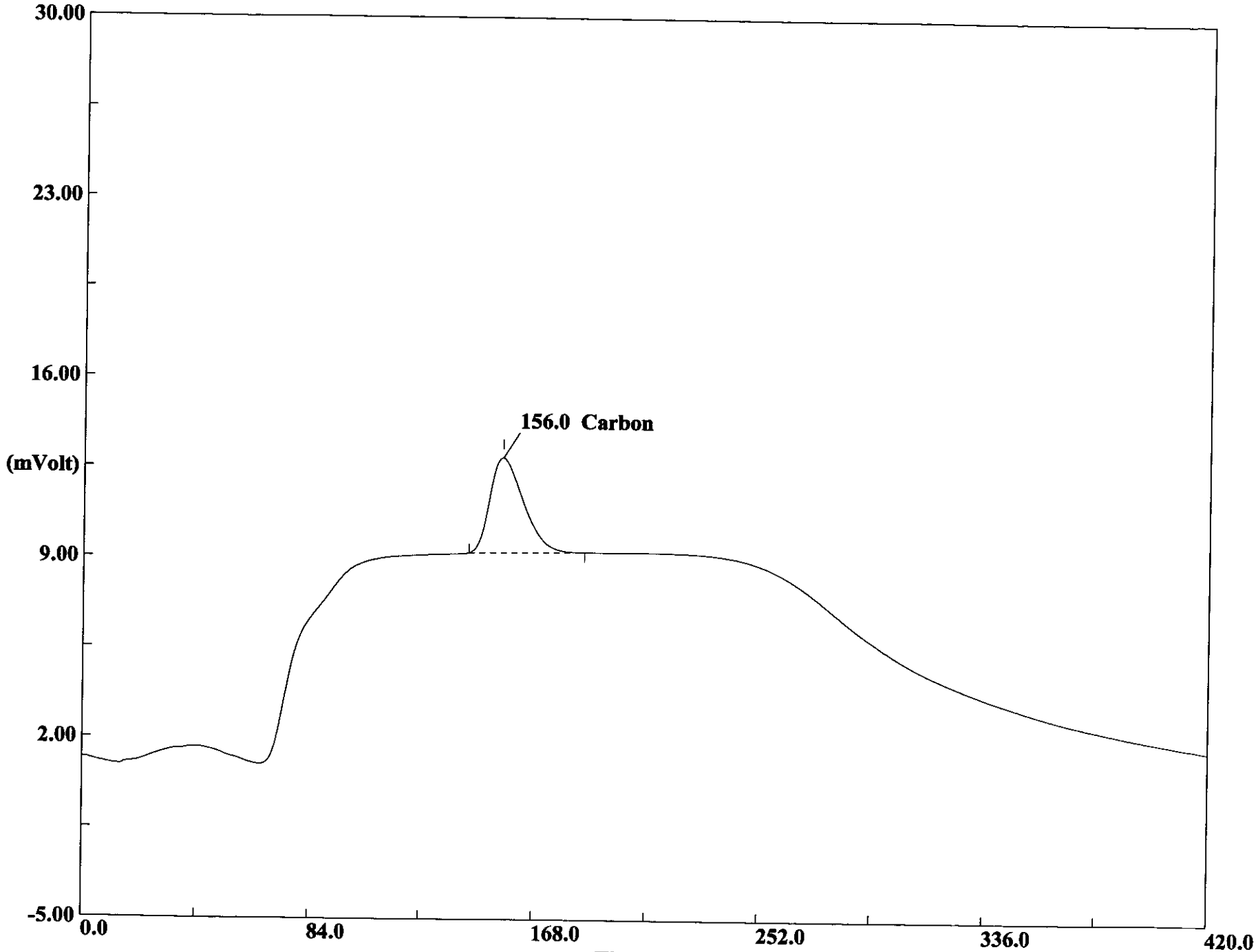
Sample name :l83lk1ea Analysed :10/31/2010 22:09

C0J210496

4145

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110045.DAT

Sample name :l83lk1ea Analysed :10/31/2010 22:09

Eager 300 Report

 Sample: 1831k1ea (A103110045)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110045
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 22:09
Printed : 11/1/2010 08:03
Sample ID : 1831k1ea (# 42)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 5.8

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	4.2517	156	532558	mi	1.000000	

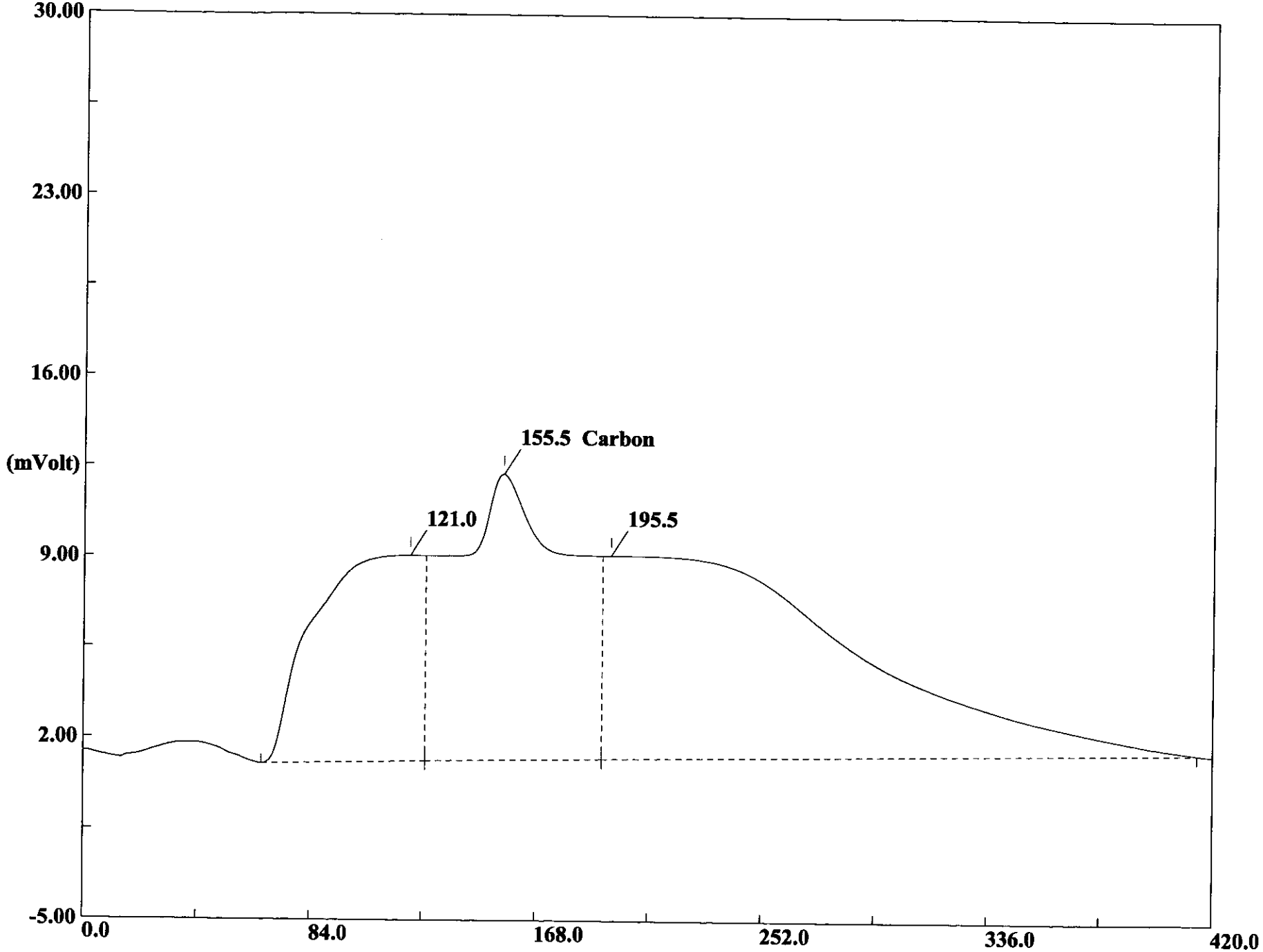
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4147

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110046.DAT

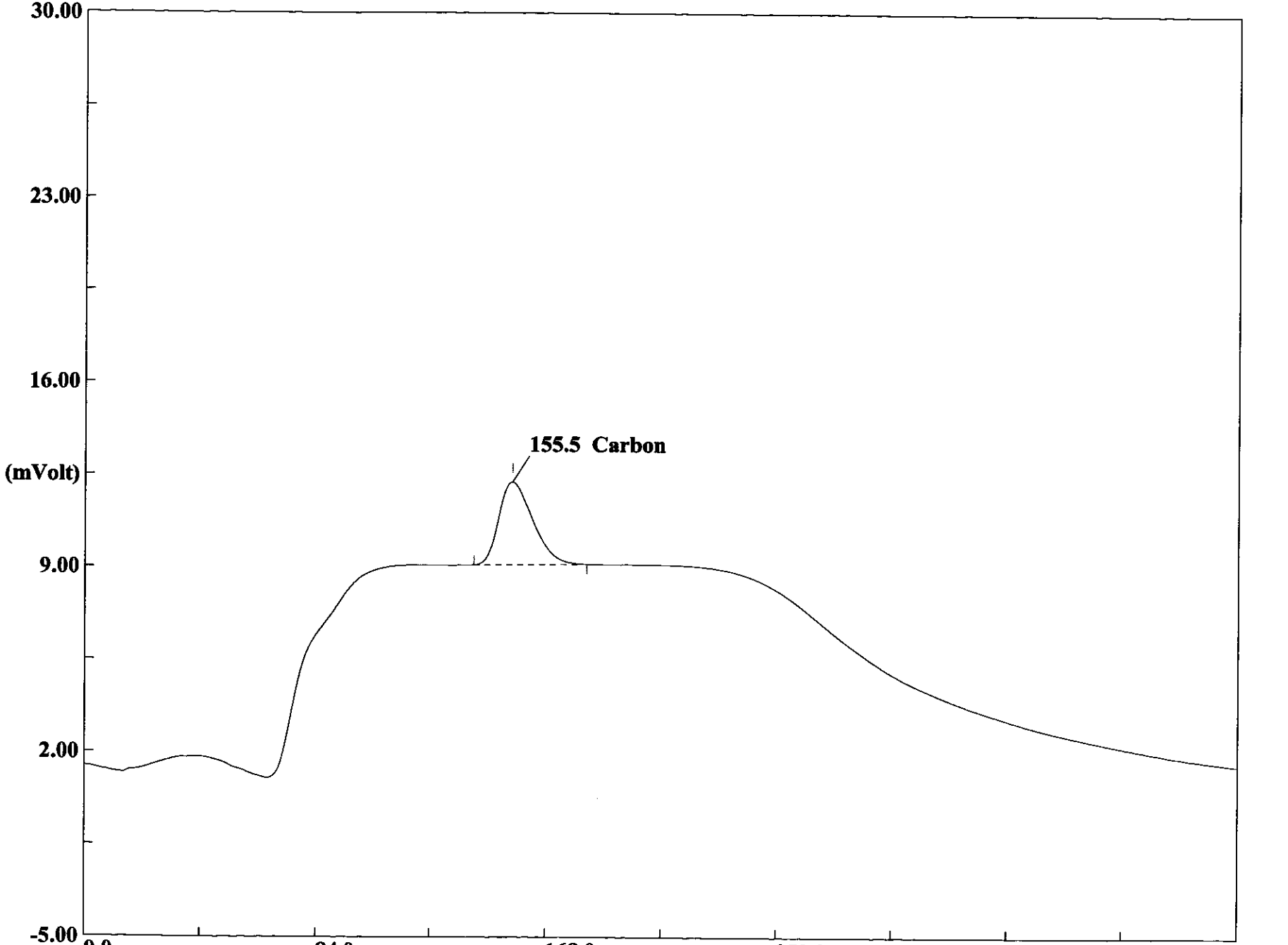
Sample name :l83lk1ea Analysed :10/31/2010 22:17

C0J210496

4148

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110046.DAT

Sample name :l83lk1ea Analysed :10/31/2010 22:17

Eager 300 Report

 Sample: 1831k1ea (A103110046)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110046
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 22:17
Printed : 11/1/2010 08:03
Sample ID : 1831k1ea (# 43)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 5.3

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	3.8749	156	444953	mi	1.000000	

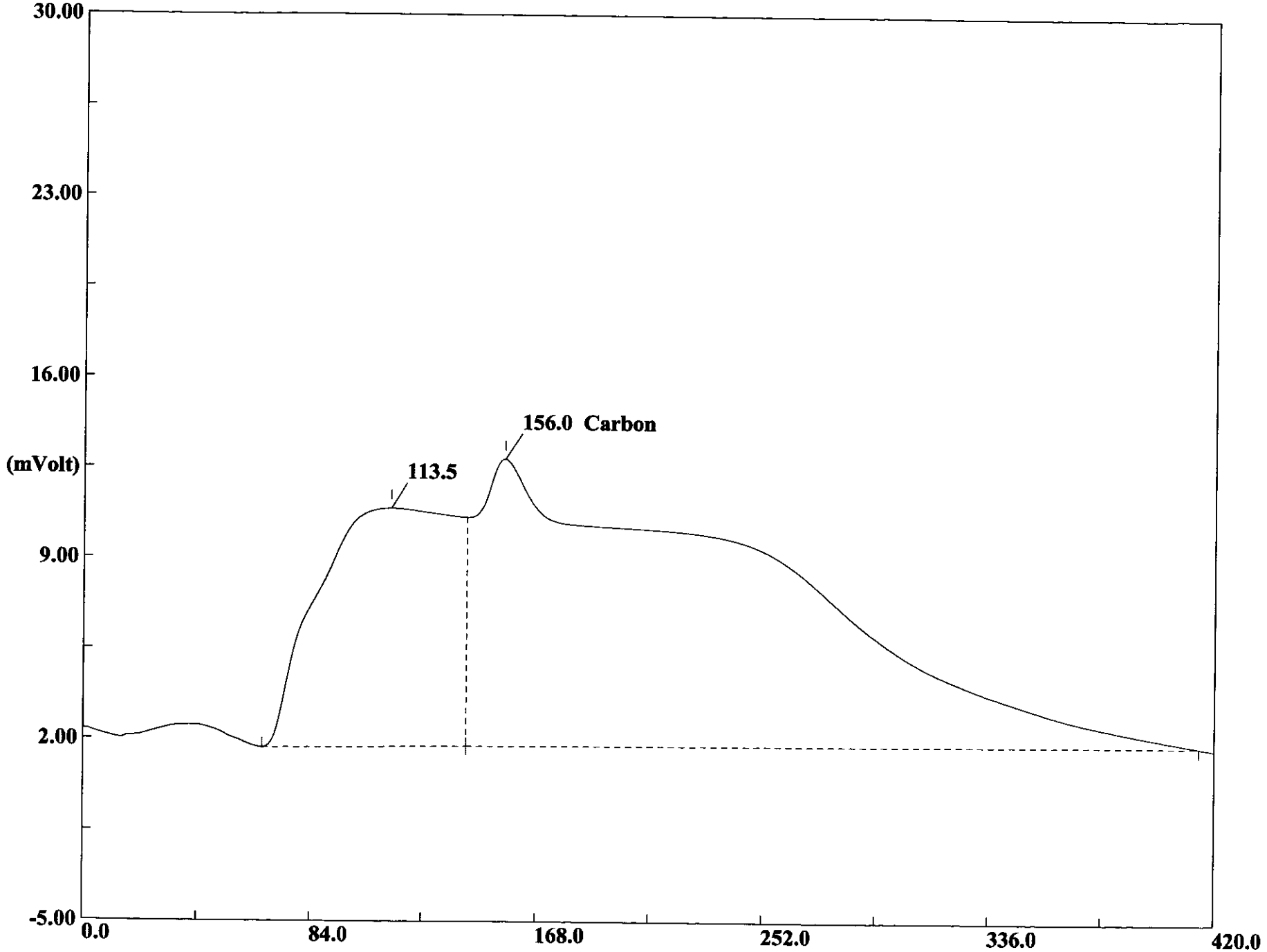
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4150

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110049.DAT

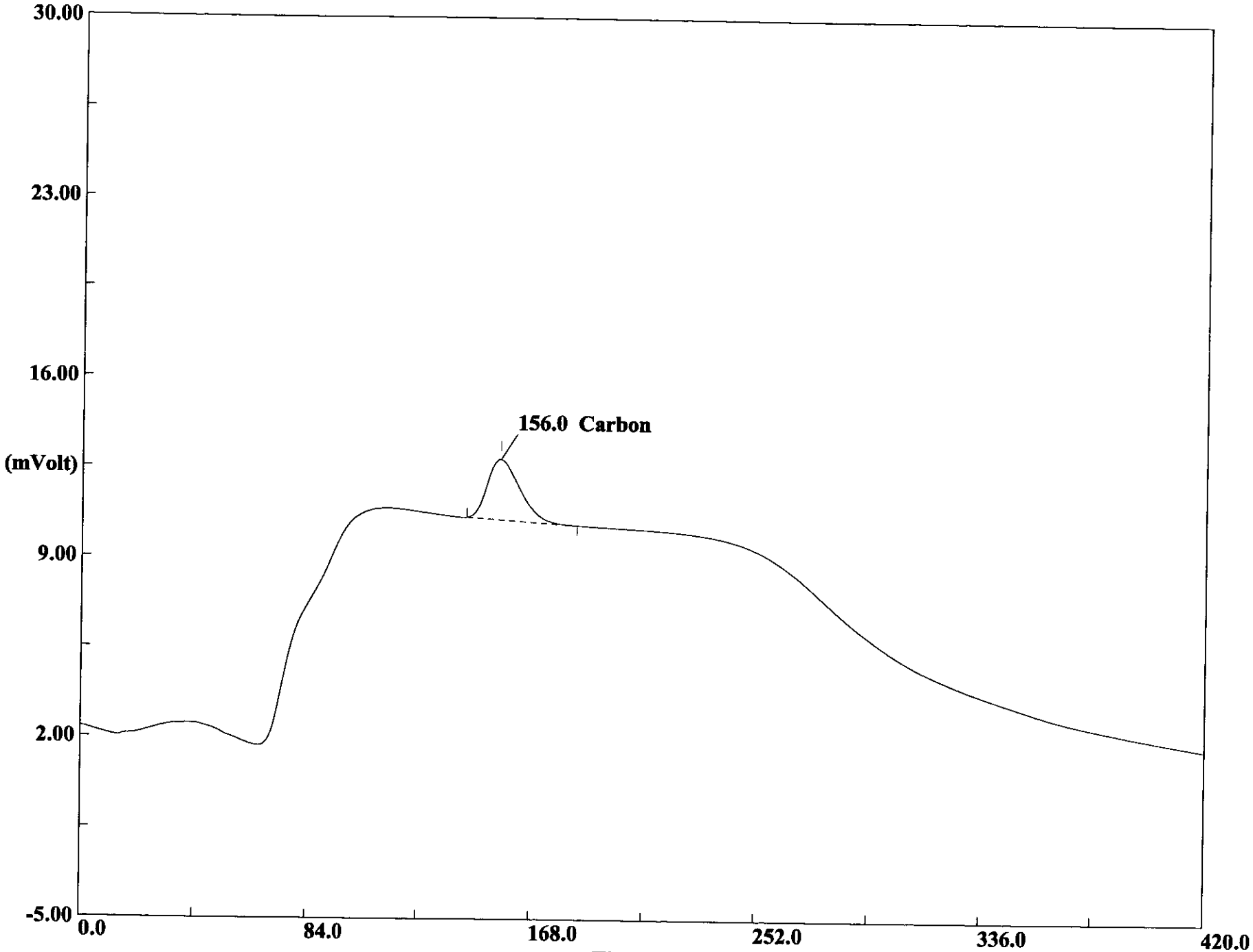
Sample name :l83lw1ah Analysed :10/31/2010 22:38

C0J210496

4151

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110049.DAT

Sample name :l83lw1ah Analysed :10/31/2010 22:38

Eager 300 Report

 Sample: 1831w1ah (A103110049)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110049
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 22:38
Printed : 11/1/2010 08:03
Sample ID : 1831w1ah (# 44)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 4.8

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	3.1113	156	325907	mi	1.000000	

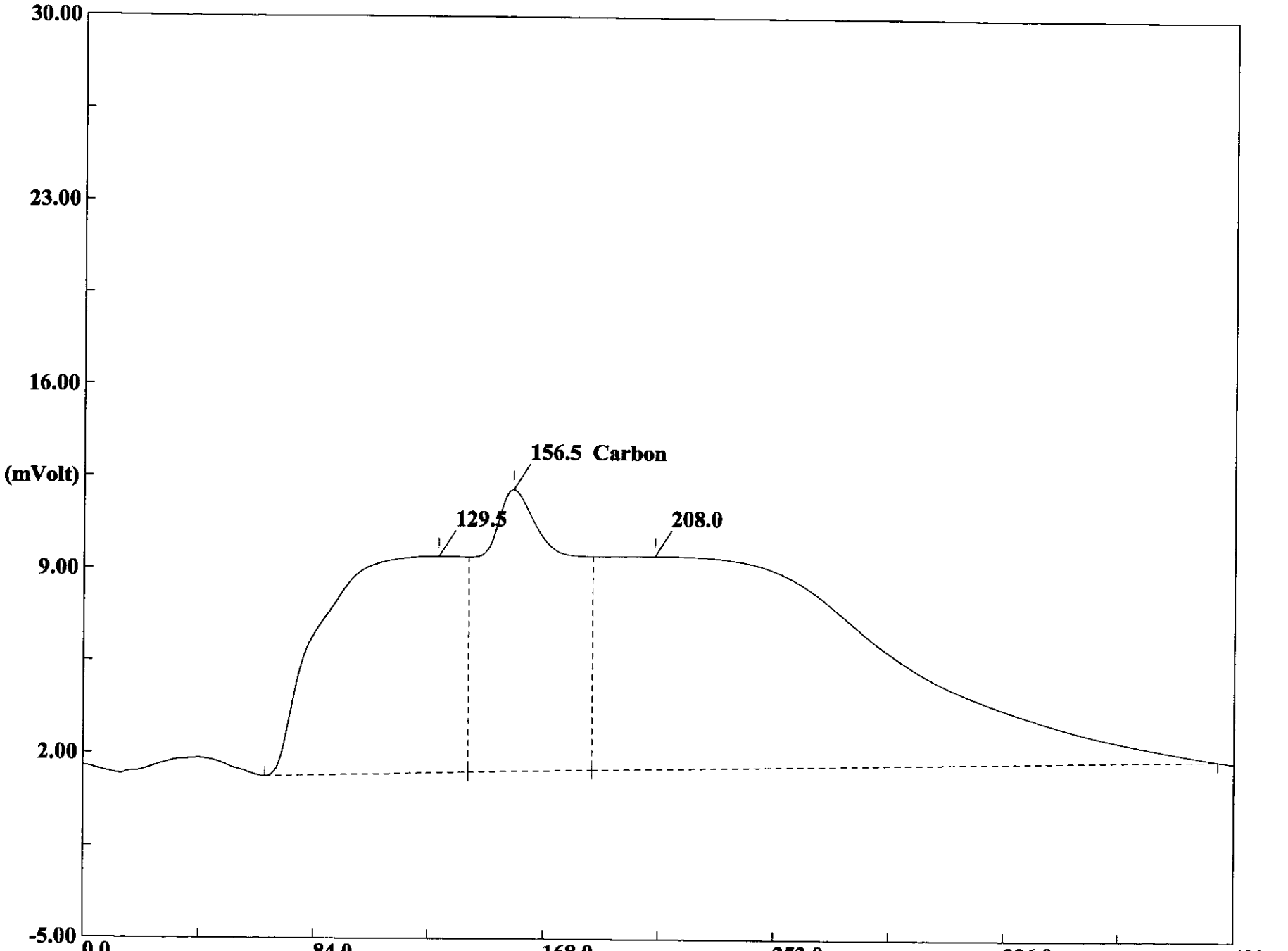
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4153

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110050.DAT

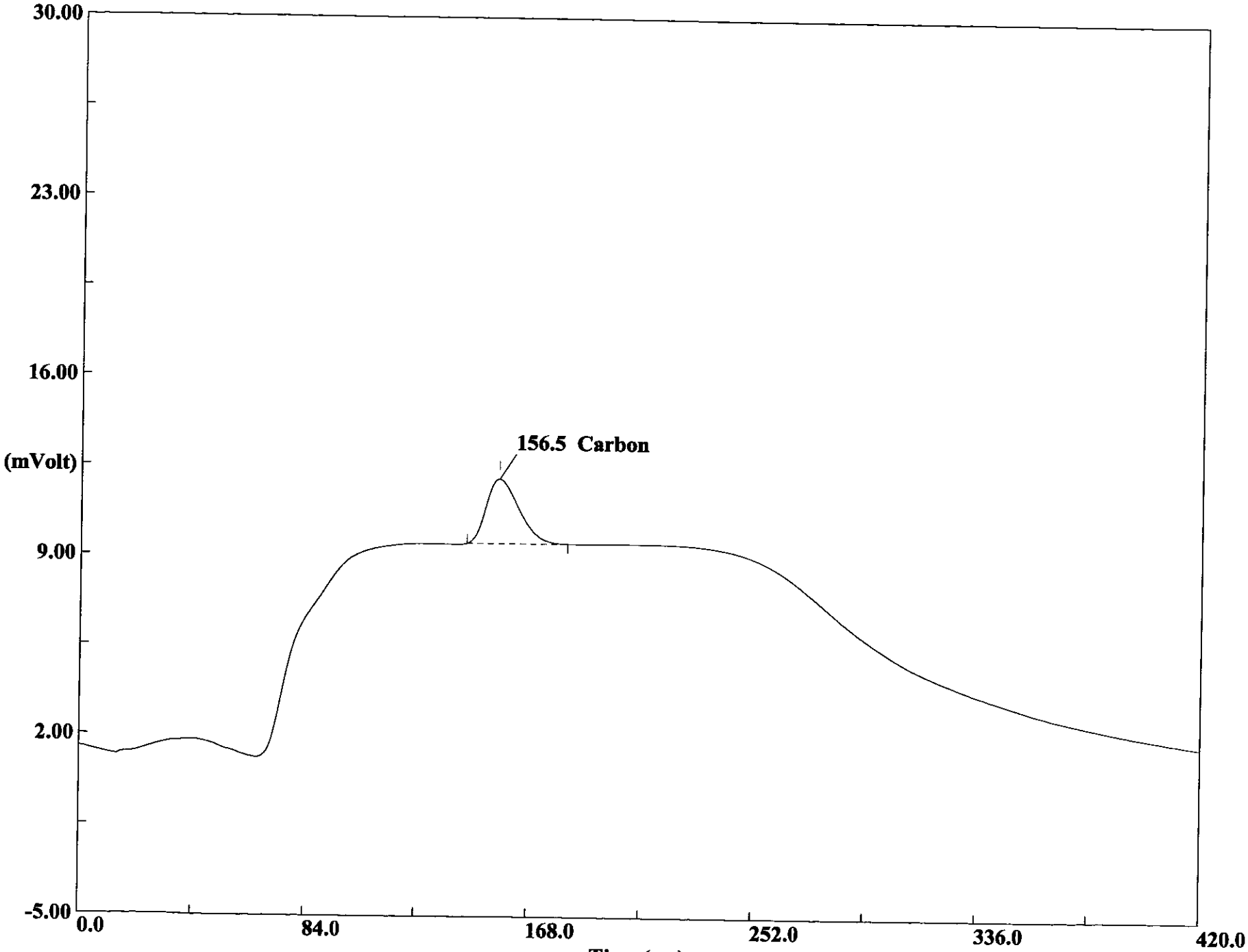
Sample name :l83lw1ah Analysed :10/31/2010 22:46

C0J210496

4154

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110050.DAT

Sample name :l83lw1ah Analysed :10/31/2010 22:46

Eager 300 Report

 Sample: 1831w1ah (A103110050)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110050
Operator ID : James DeRubeis
Analysed : 10/31/2010 22:46
Sample ID : 1831w1ah (# 45)
Analysis Type : UnkNown (Area)
Company Name : TESTAMERICA PITT
Printed : 11/1/2010 08:03
Instrument N. : Instrument #1
Sample weight : 5.5

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.9478	157	353071	mi	1.000000	

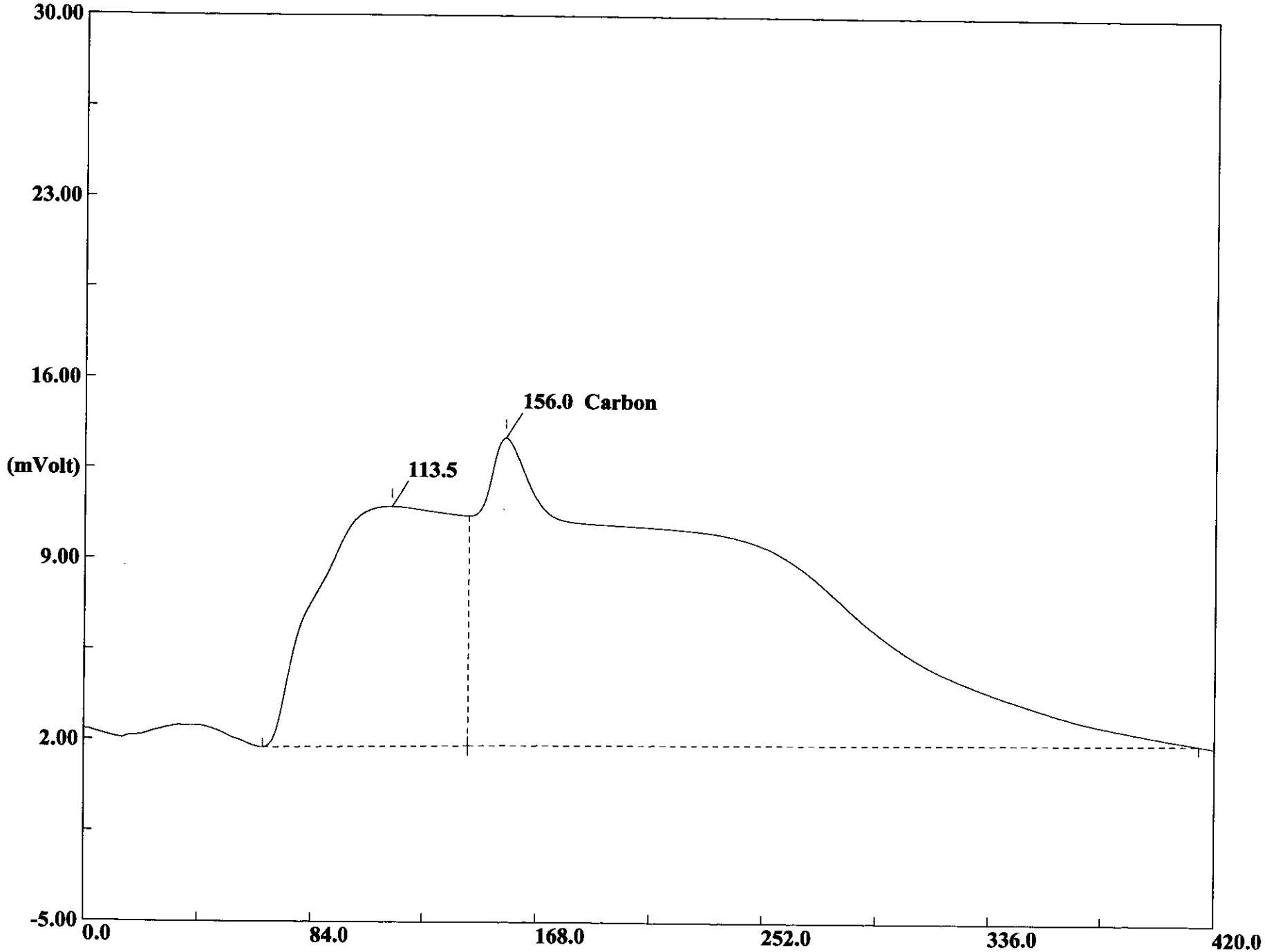
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4156

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110053.DAT

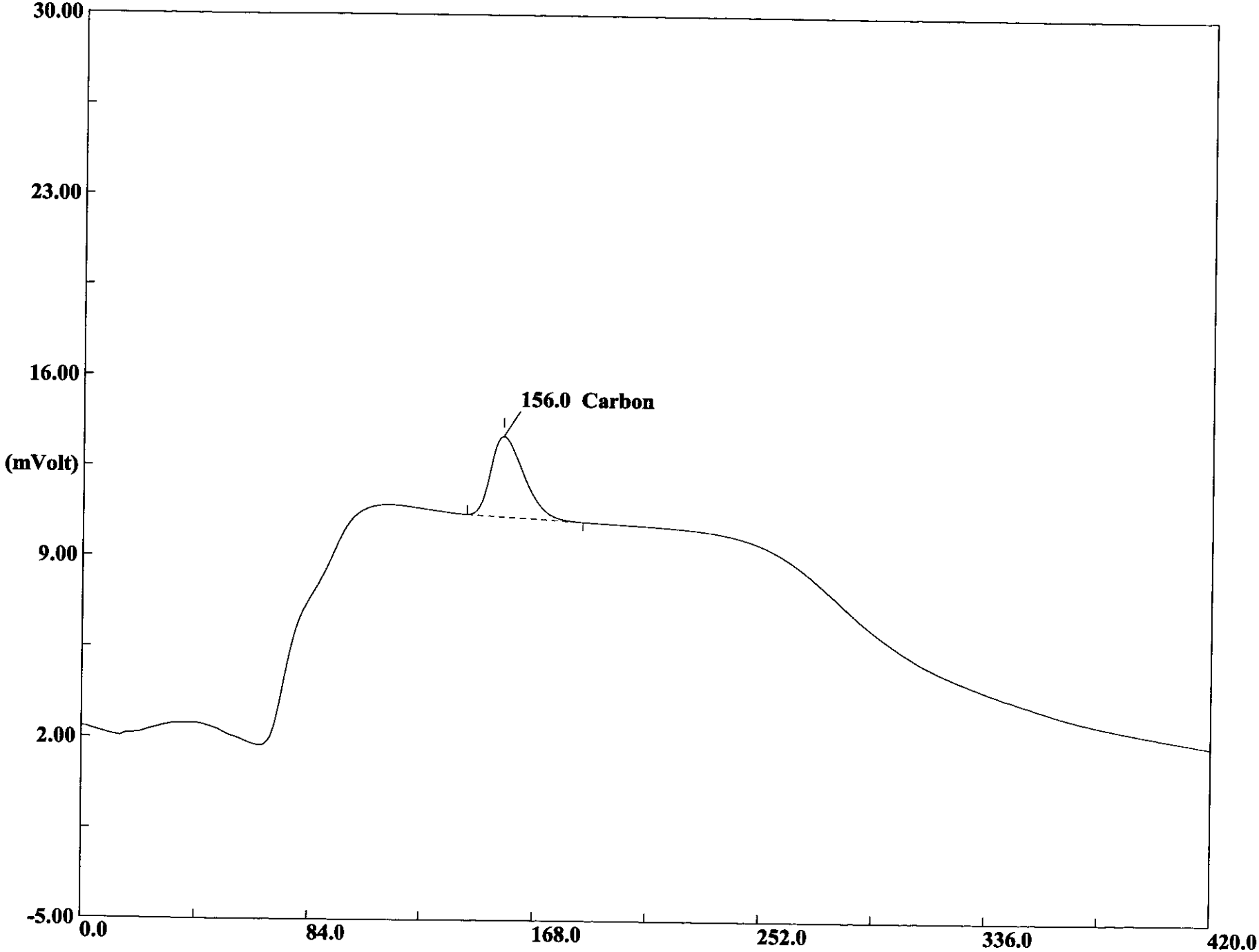
Sample name :l83lx1ah Analysed :10/31/2010 23:07

C0J210496

4157

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110053.DAT

Sample name :l83lx1ah Analysed :10/31/2010 23:07

Eager 300 Report

 Sample: 1831x1ah (A103110053)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110053
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 23:07
Printed : 11/1/2010 08:03
Sample ID : 1831x1ah (# 46)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 5.6

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	3.6414	156	441870	mi	1.000000	

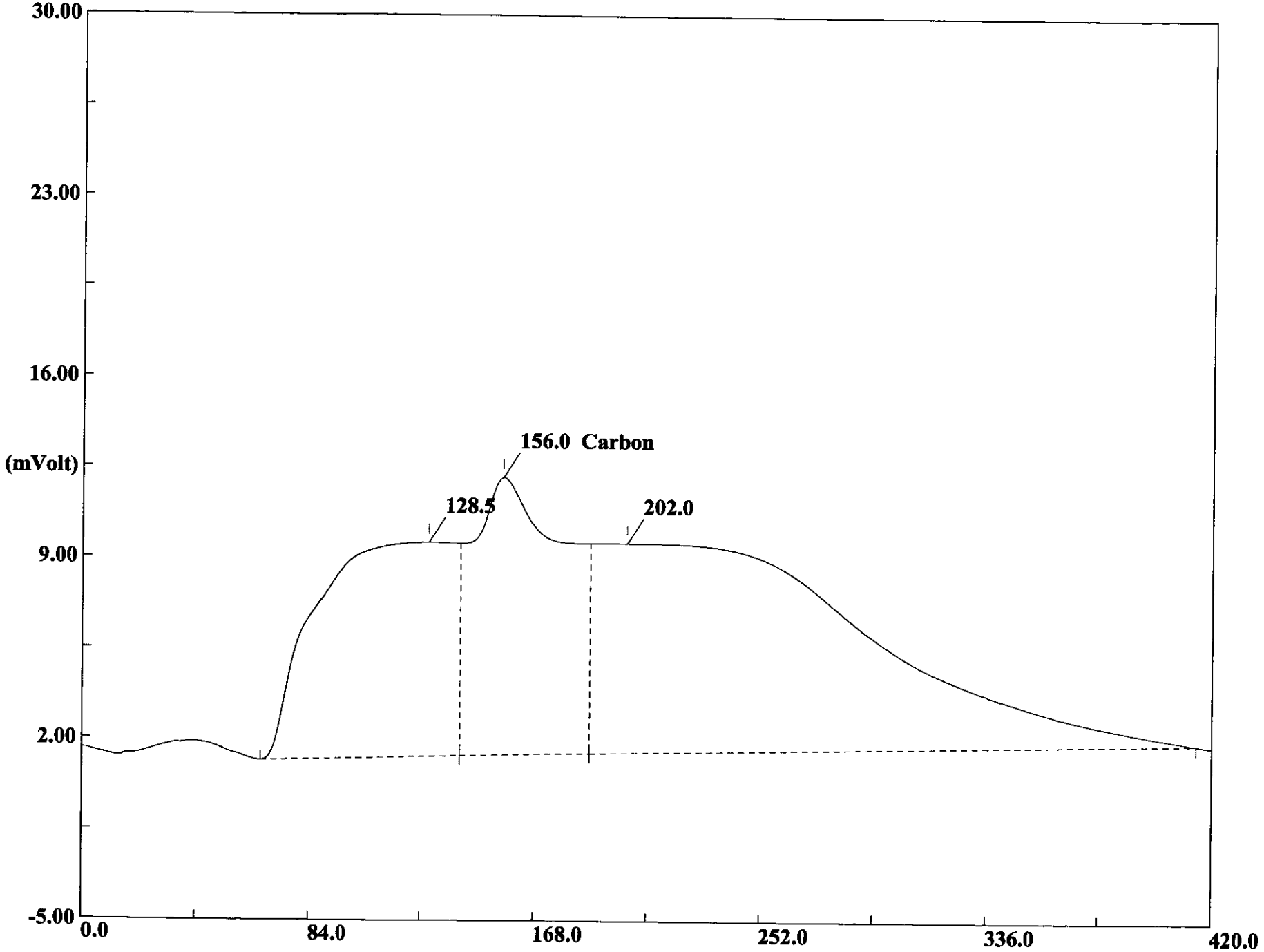
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4159

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110054.DAT

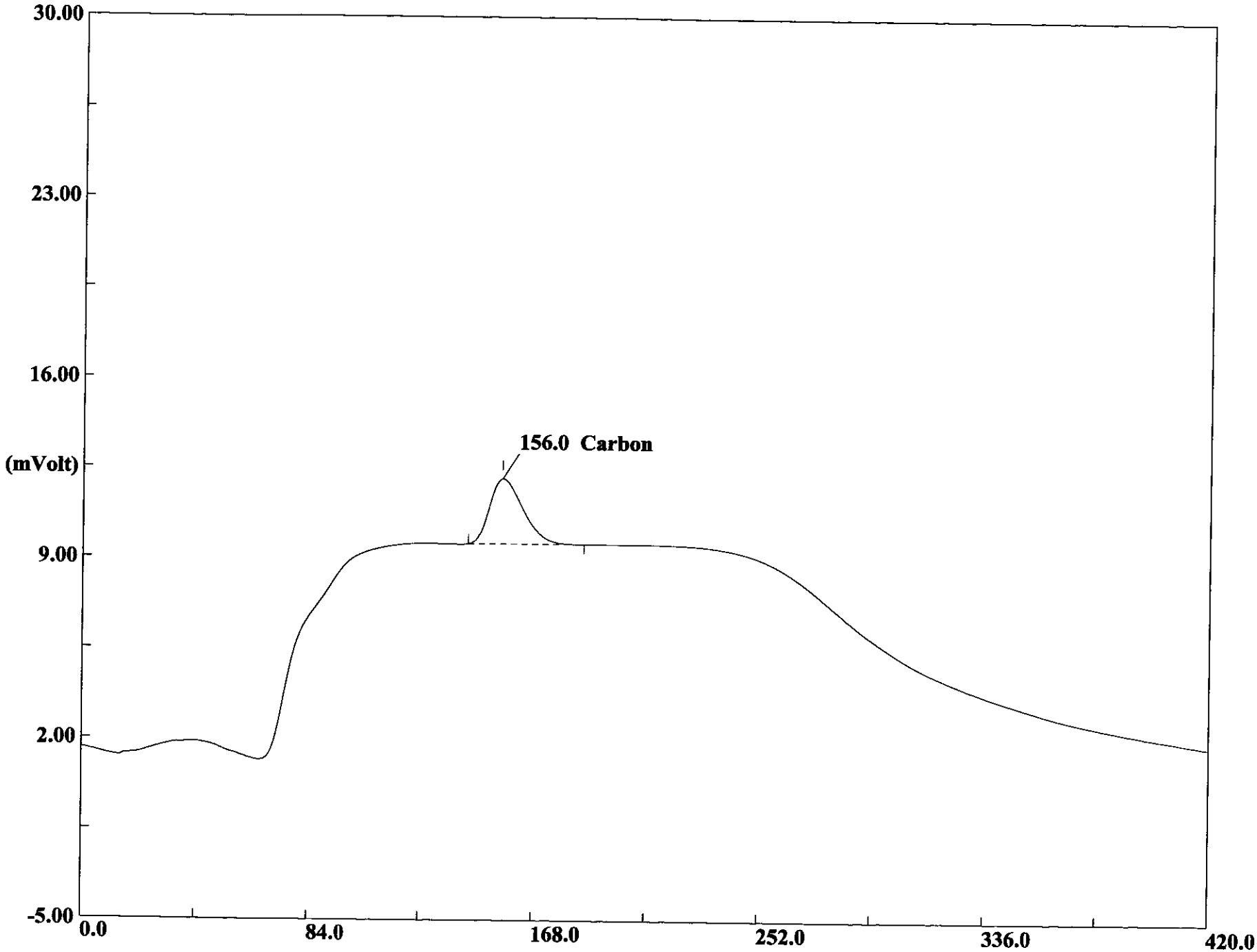
Sample name :l83lx1ah Analysed :10/31/2010 23:15

C0J210496

4160

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110054.DAT

Sample name :l83lx1ah Analysed :10/31/2010 23:15

Eager 300 Report

 Sample: 1831x1ah (A103110054)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110054
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 23:15
Printed : 11/1/2010 08:03
Sample ID : 1831x1ah (# 47)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 4.7

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	3.5153	156	359642	mi	1.000000	

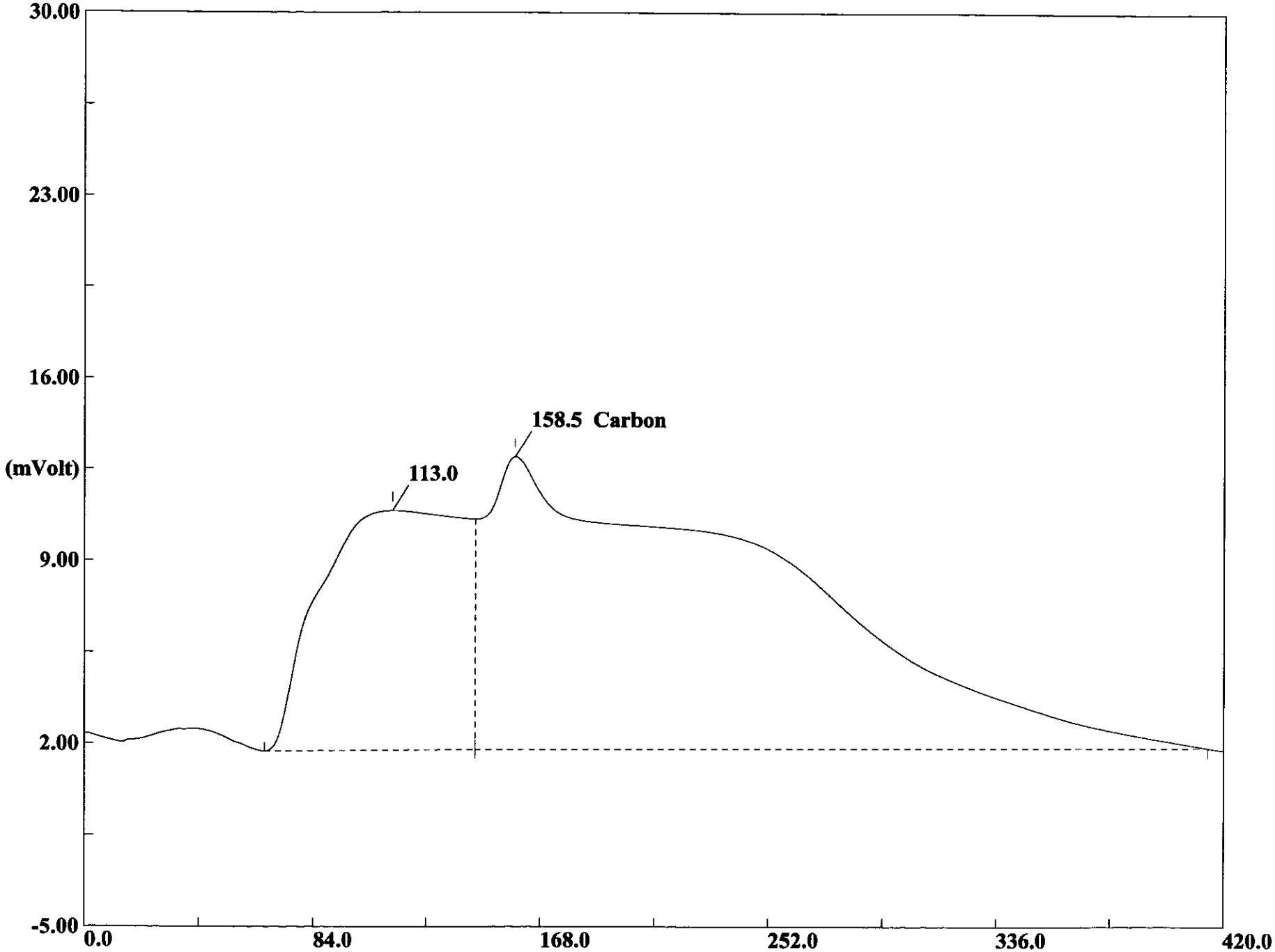
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4162

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110057.DAT

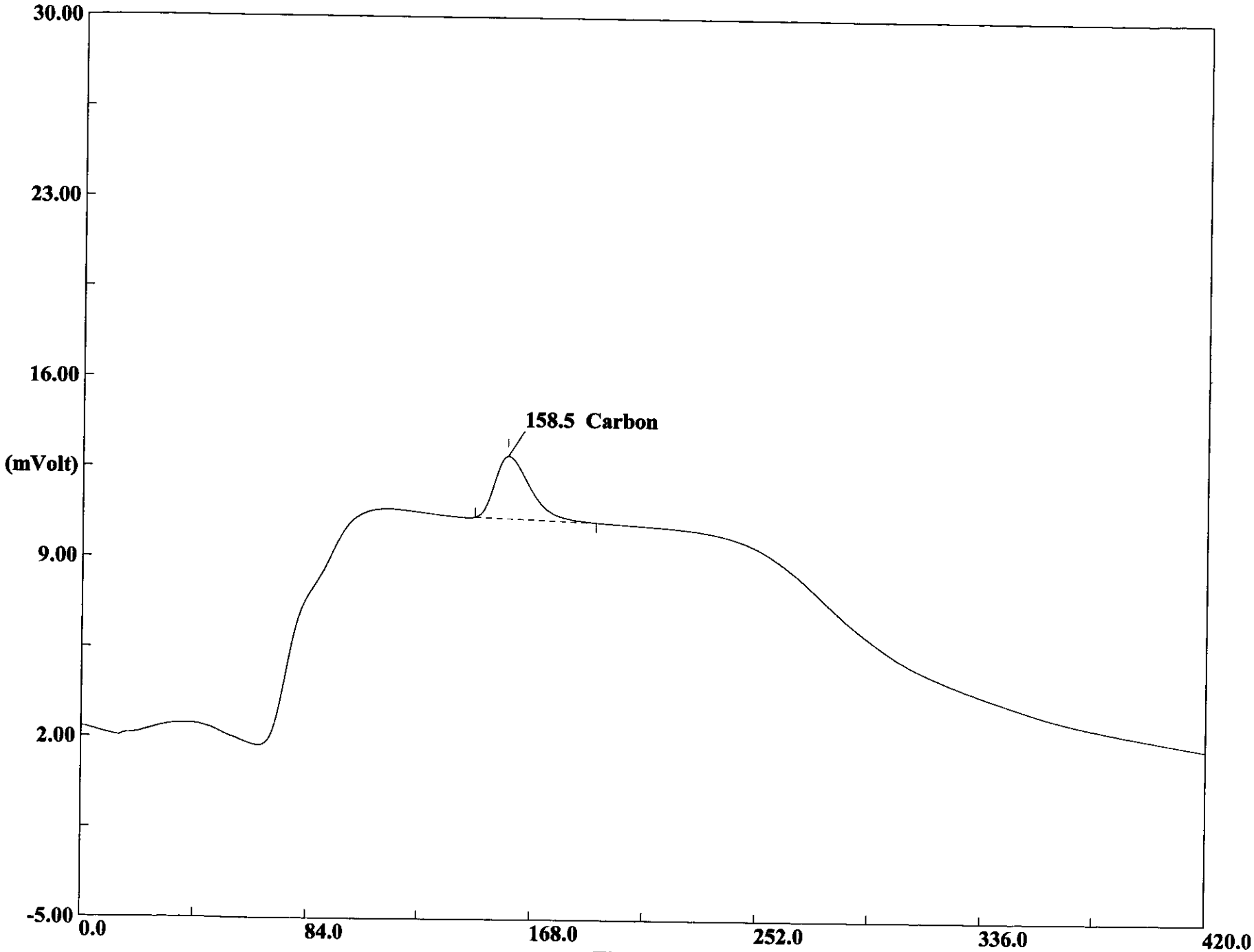
Sample name :l83l11ah Analysed :10/31/2010 23:36

C0J210496

4163

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110057.DAT

Sample name :l83l11ah Analysed :10/31/2010 23:36

Eager 300 Report

 Sample: 183111ah (A103110057)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110057
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 23:36
Printed : 11/1/2010 08:03
Sample ID : 183111ah (# 48)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 5.1

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	3.2975	159	365913	mi	1.000000	

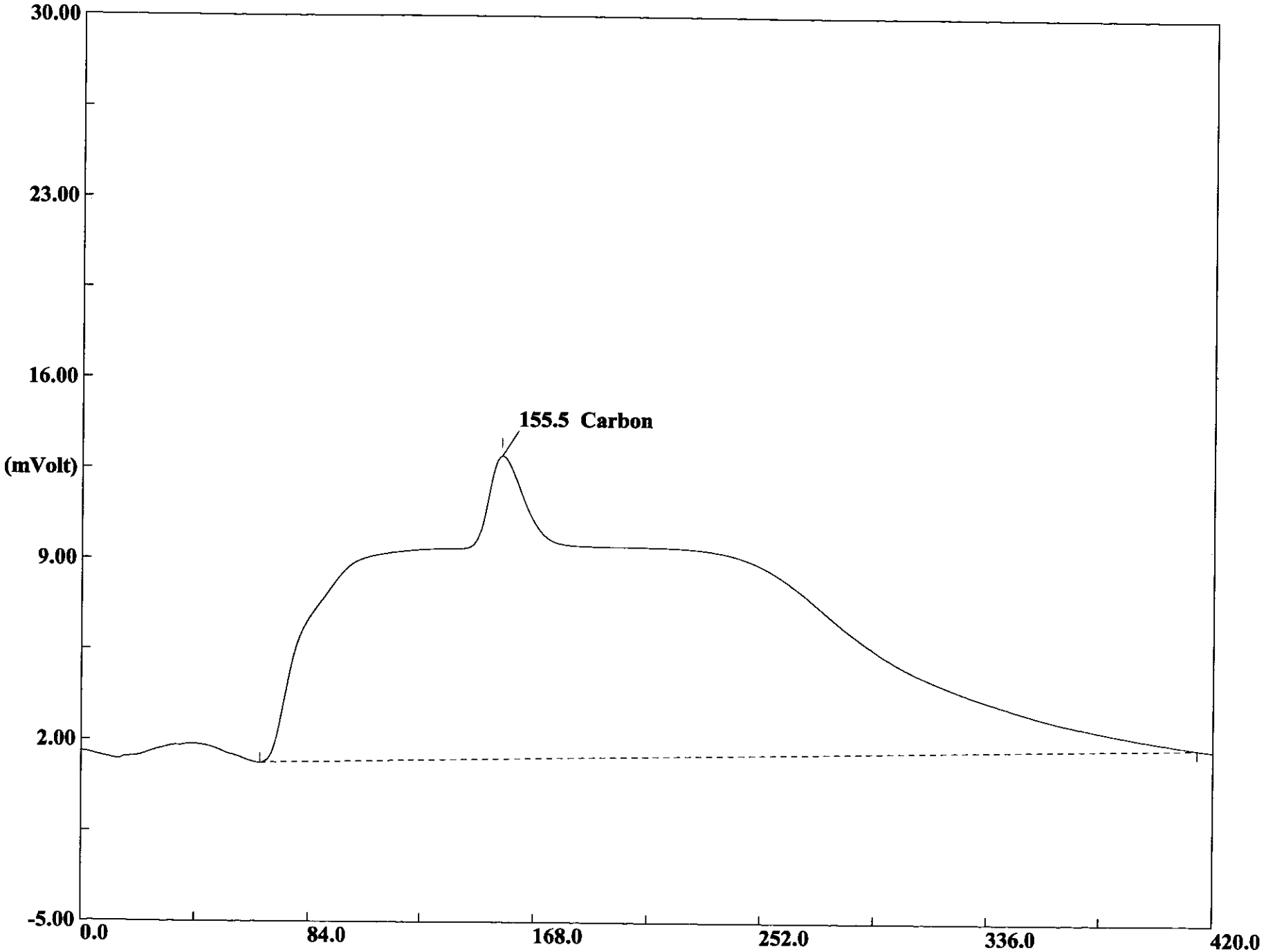
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4165

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110058.DAT

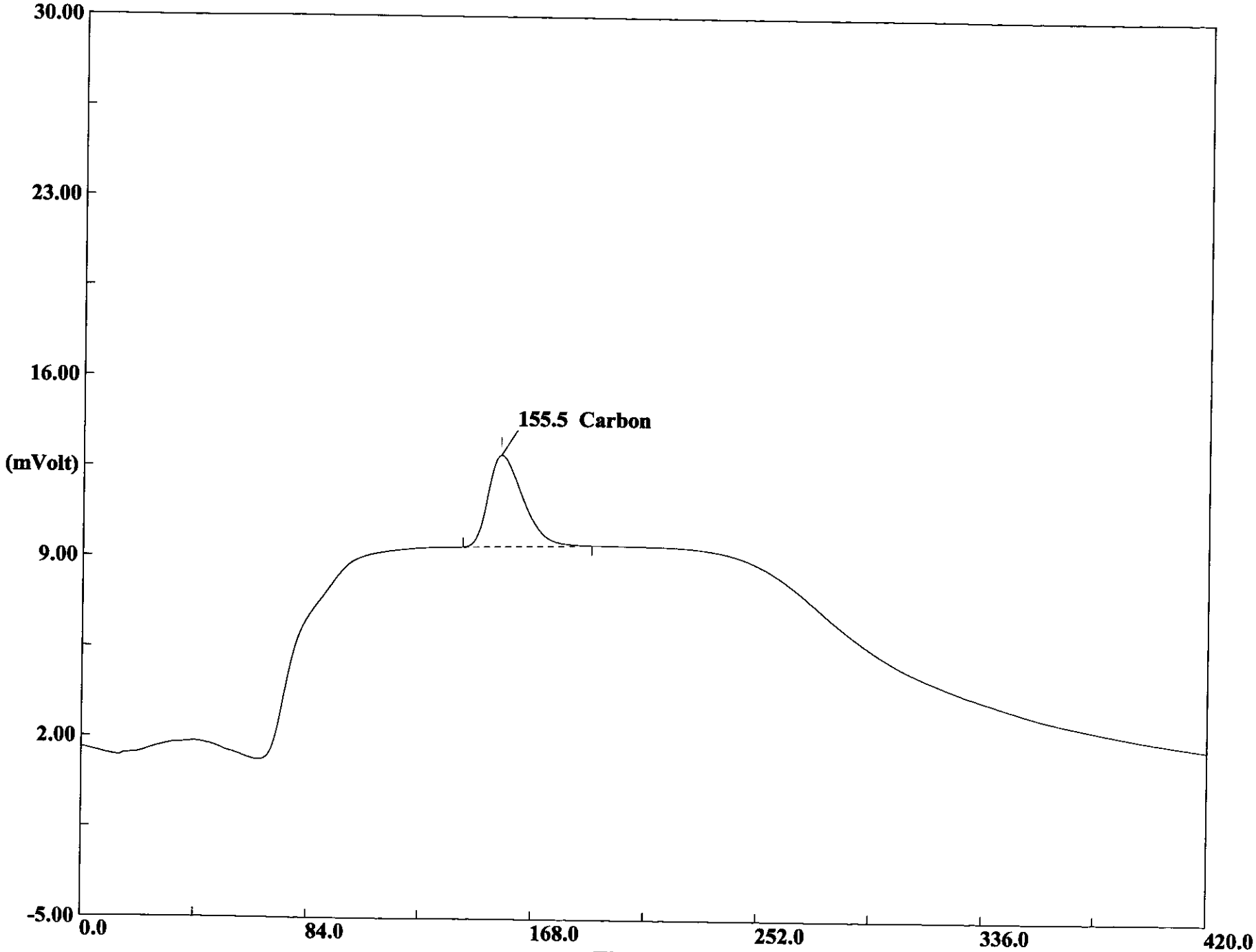
Sample name :l83l11ah Analysed :10/31/2010 23:43

C0J210496

4166

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110058.DAT

Sample name :l83l11ah Analysed :10/31/2010 23:43

Eager 300 Report

 Sample: 183111ah (A103110058)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110058
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 10/31/2010 23:43
Printed : 11/1/2010 08:03
Sample ID : 183111ah (# 49)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 5.5

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	4.4557	156	529290	mi	1.000000	

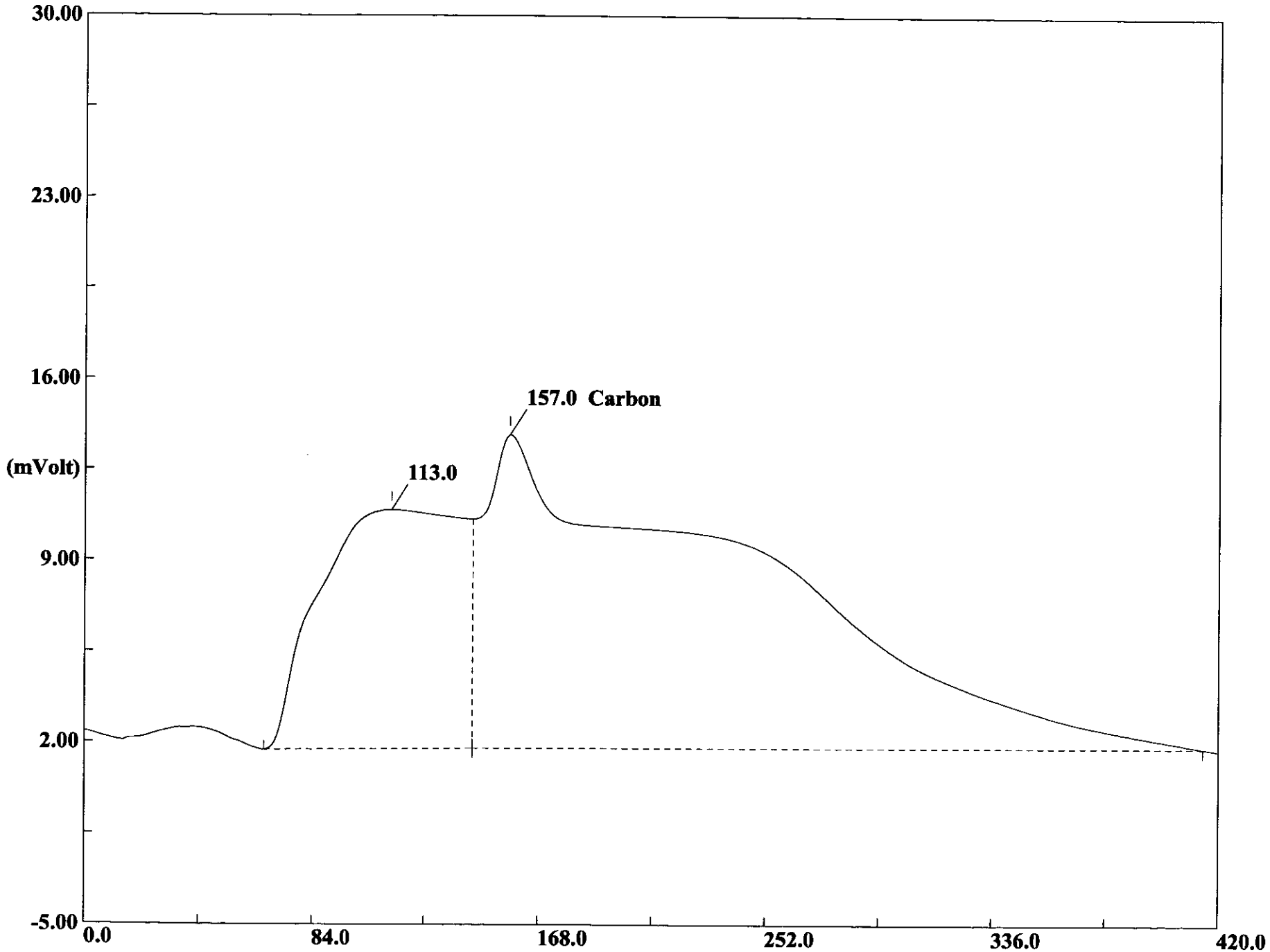
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4168

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110061.DAT

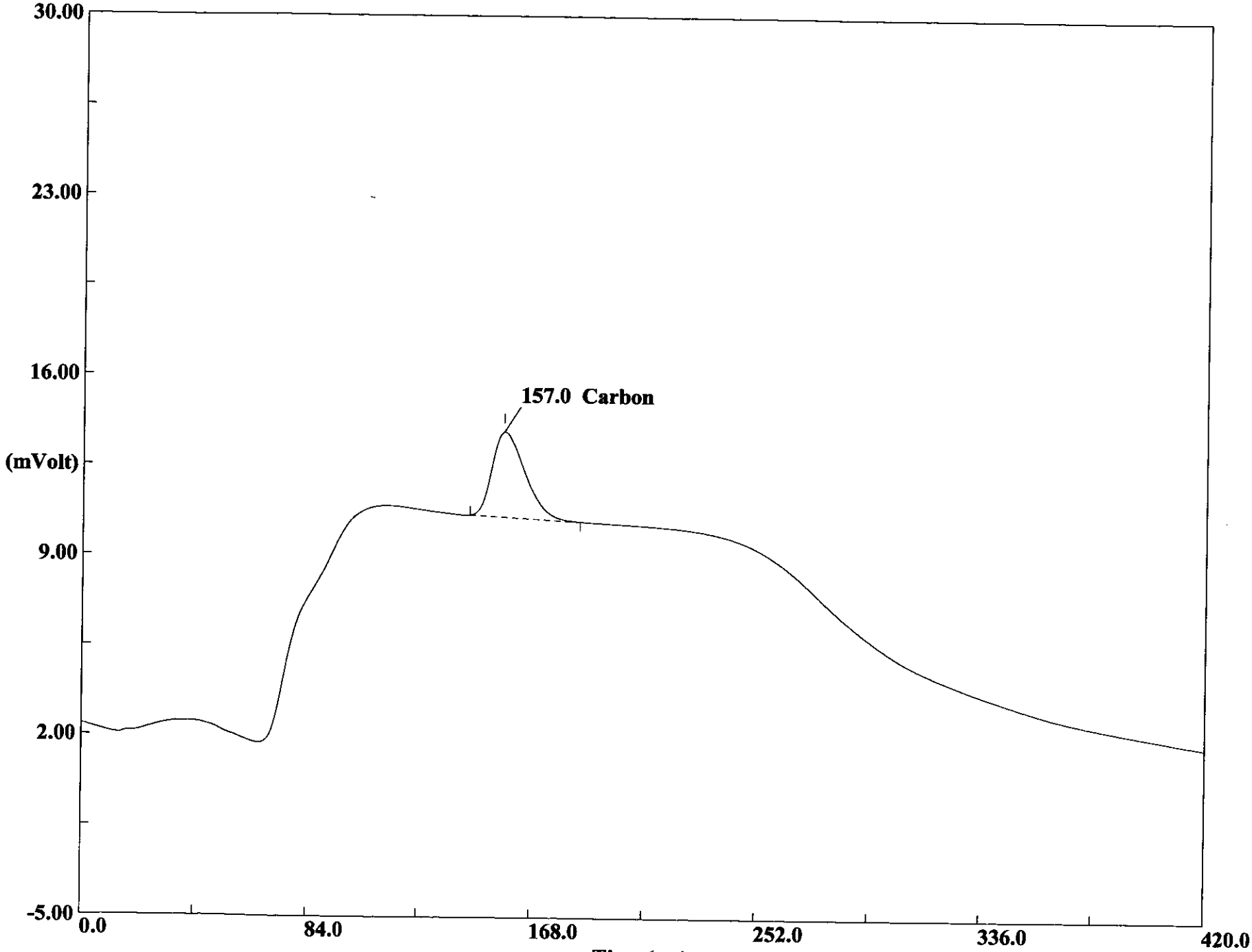
Sample name :l84rl1av Analysed :11/01/2010 00:05

C0J210496

4169

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110061.DAT

Sample name :l84rl1av Analysed :11/01/2010 00:05

Eager 300 Report

Page: 1 Sample: 184rl1av (A103110061)

Method Name	: Lloyd Kahn TOC		
Method File	: C:\data\January\103110.mth		
Chromatogram	: A103110061		
Operator ID	: James DeRubeis	Company Name	: TESTAMERICA PITT
Analysed	: 11/01/2010 00:05	Printed	: 11/1/2010 08:03
Sample ID	: 184rl1av (# 50)	Instrument N.	: Instrument #1
Analysis Type	: UnkNown (Area)	Sample weight	: 19.4

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.1190	157	469837	mi	1.000000	

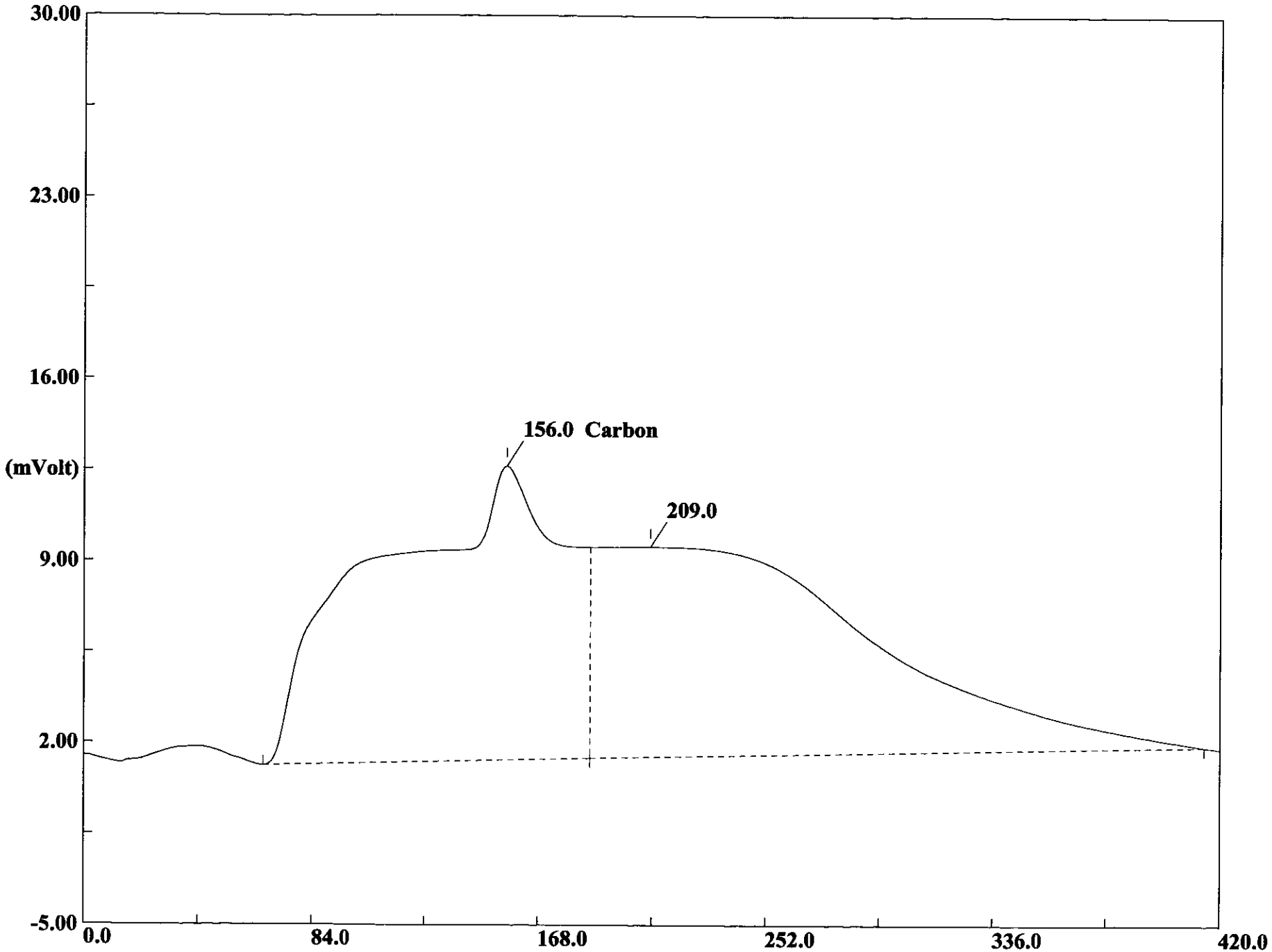
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4171

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110062.DAT

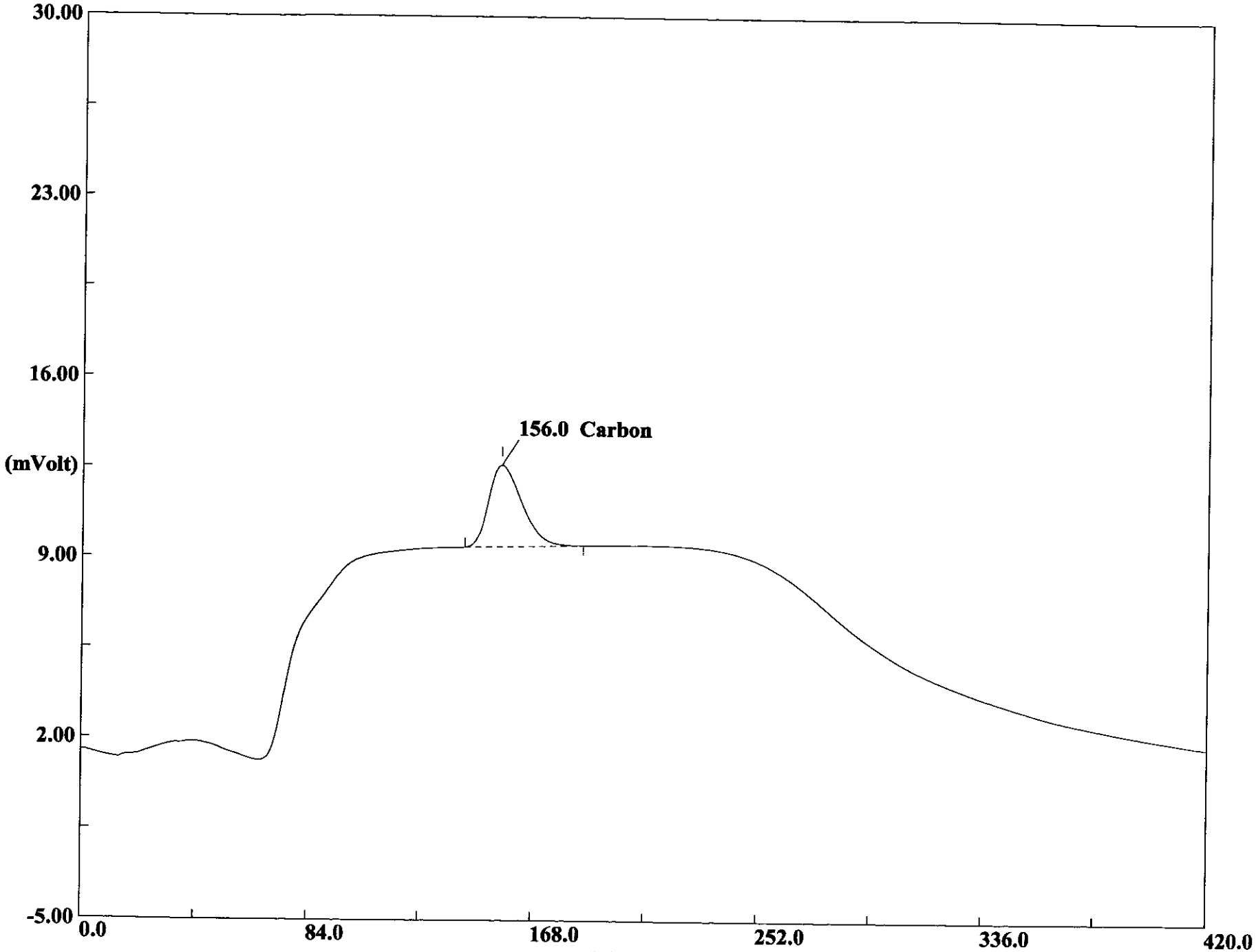
Sample name :l84rl1av Analysed :11/01/2010 00:12

C0J210496

4172

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110062.DAT

Sample name :l84rl1av Analysed :11/01/2010 00:12

Eager 300 Report

 Sample: 184rl1av (A103110062)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110062
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 00:12
Printed : 11/1/2010 08:03
Sample ID : 184rl1av (# 51)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 21.1

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9863	156	450777	mi	1.000000	

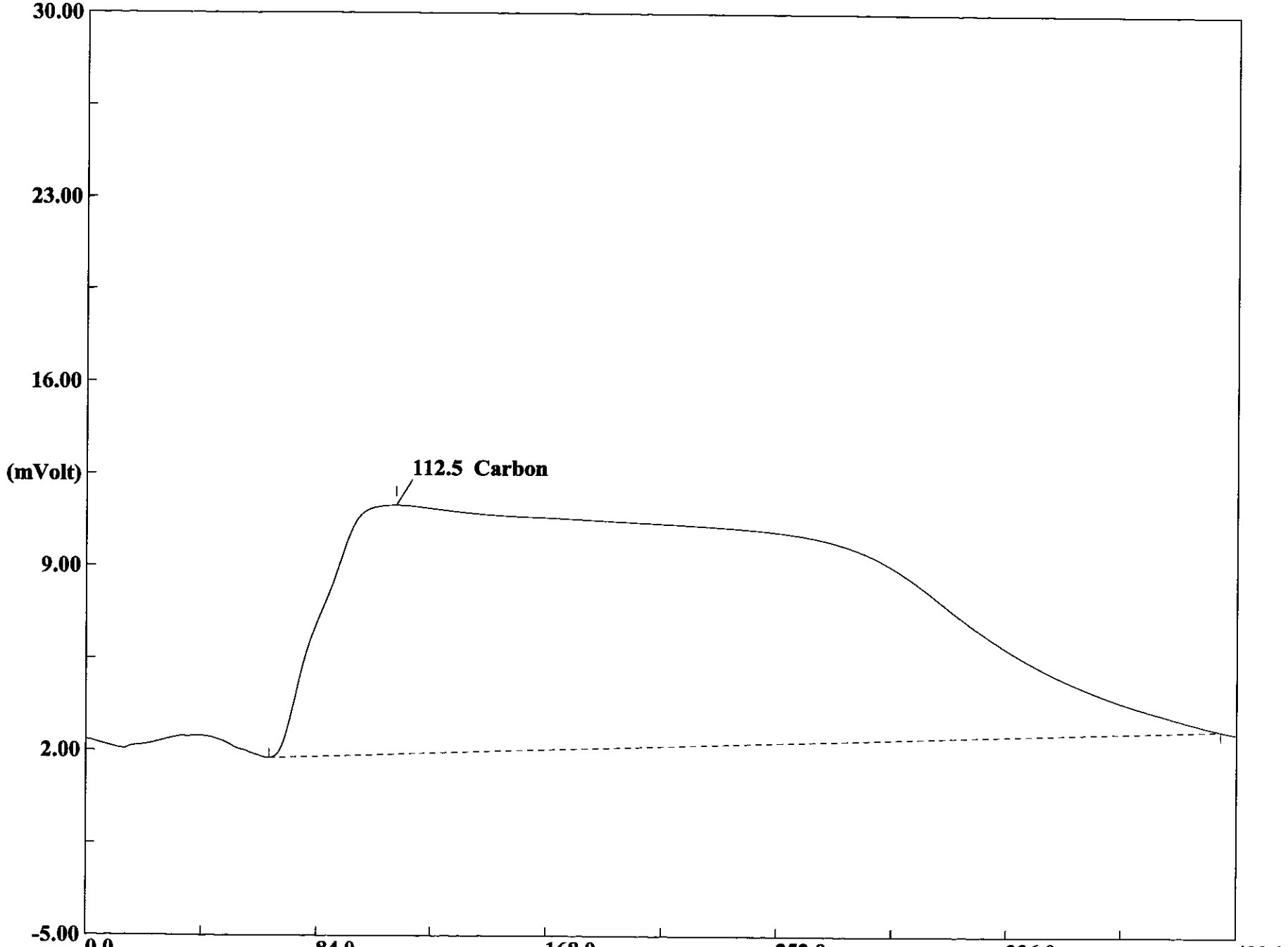
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4174

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110065.DAT

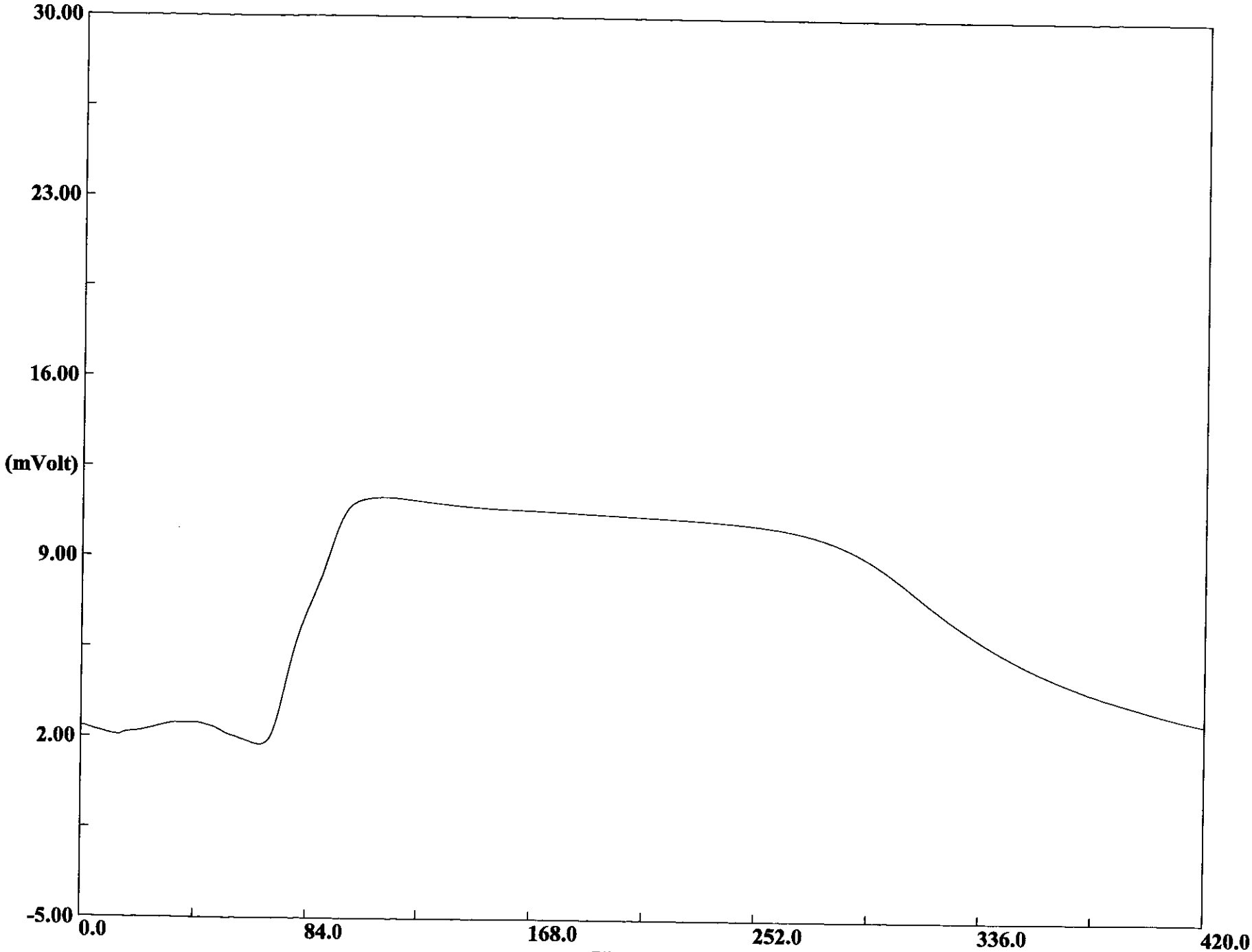
Sample name :ccb Analysed :11/01/2010 00:34

C0J210496

4175

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110065.DAT
Sample name :ccb Analysed :11/01/2010 00:34

Eager 300 Report

Page: 1 Sample: ccb (A103110065)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110065
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 00:34 Printed : 11/1/2010 08:03
Sample ID : ccb (# 52) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

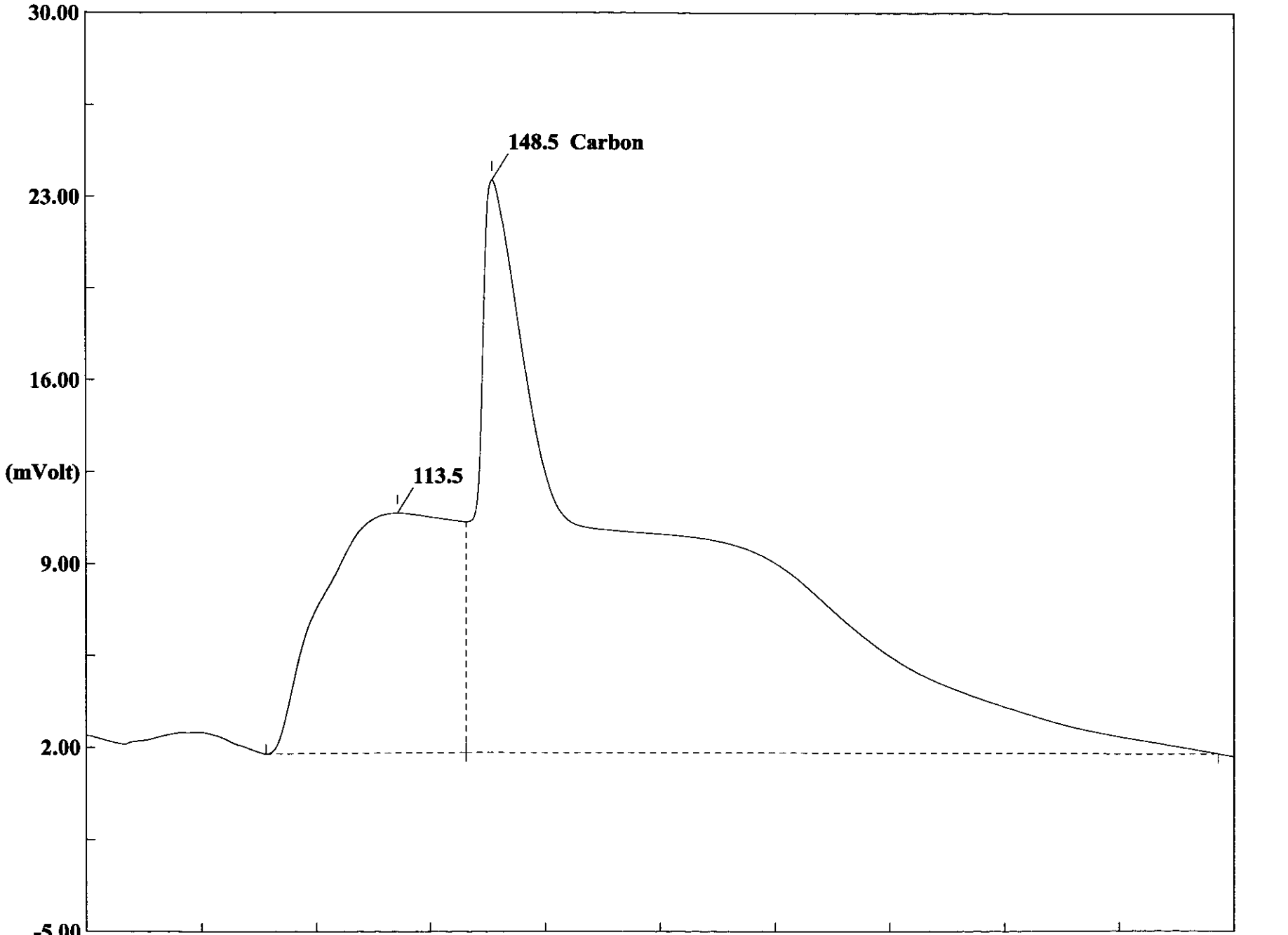
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4177

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw

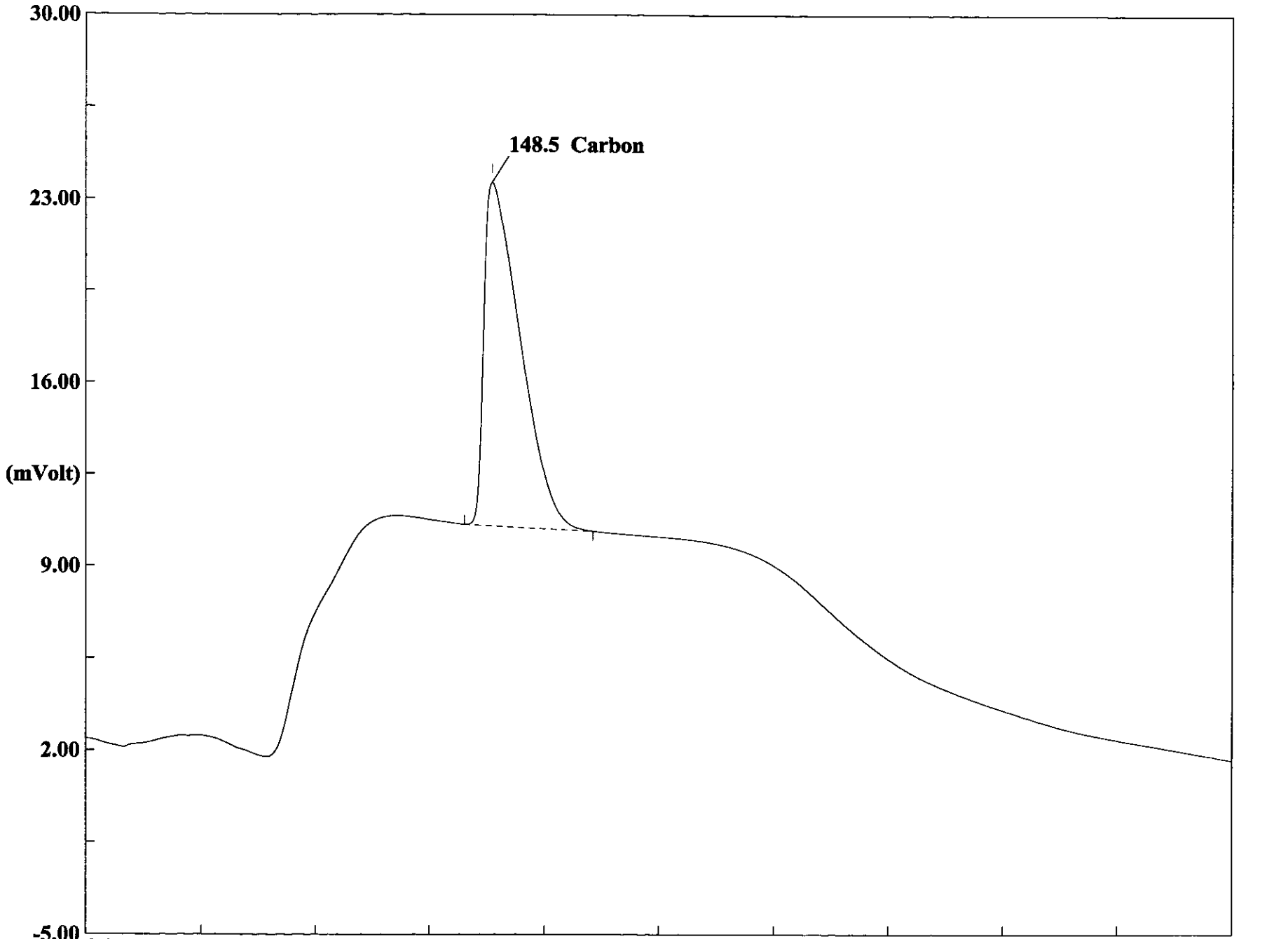


Filename C:\data\January\A103110066.DAT

Sample name :ccv Analysed :11/01/2010 00:41

C0J210496

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110066.DAT

Sample name :ccv Analysed :11/01/2010 00:41

4178

(4001-4344)

Eager 300 Report

 Sample: ccv (A103110066)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110066
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 00:41 Printed : 11/1/2010 08:03
Sample ID : ccv (# 53) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9425	149	2011217	mi	1.000000	

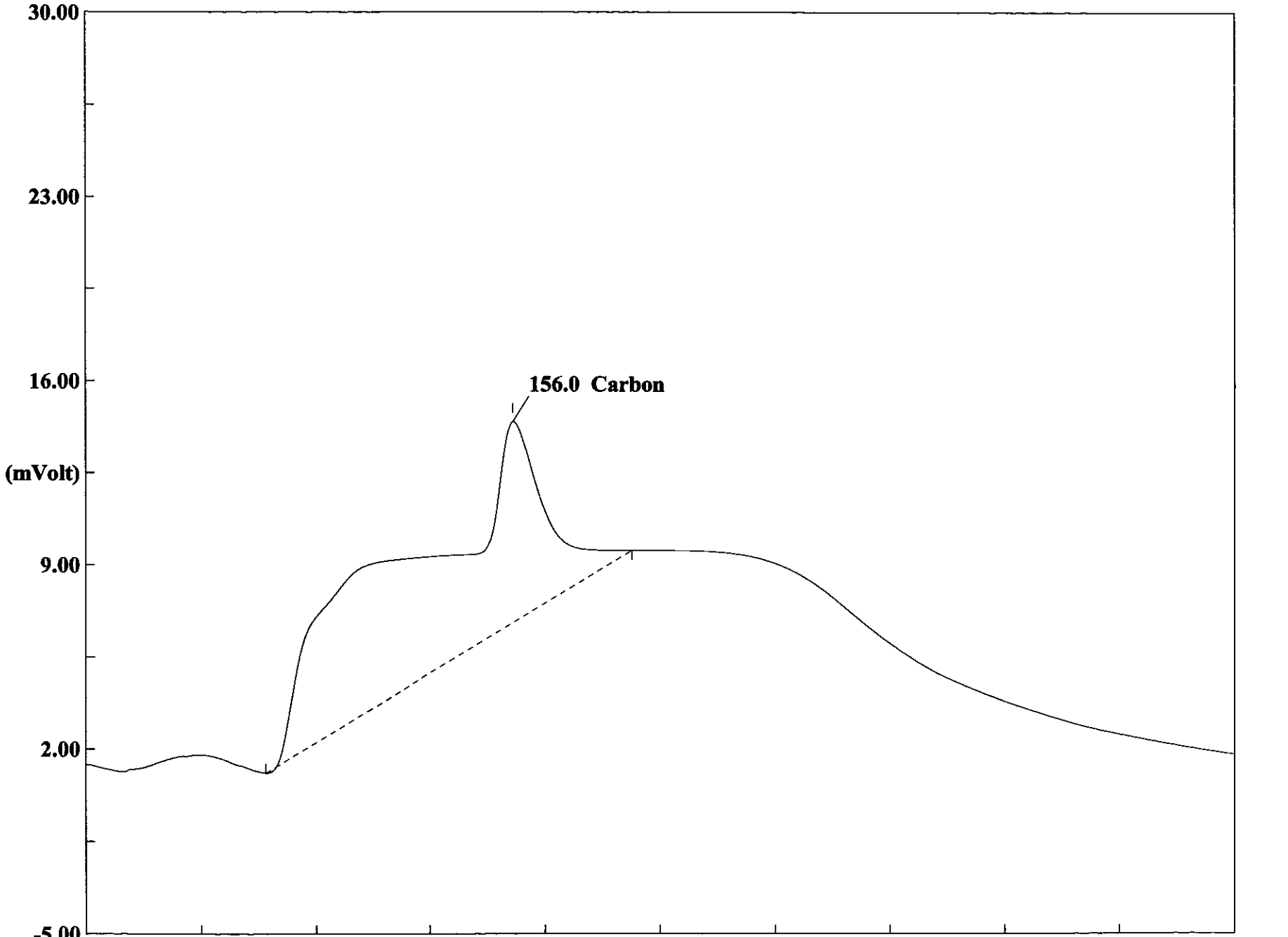
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4180

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110067.DAT

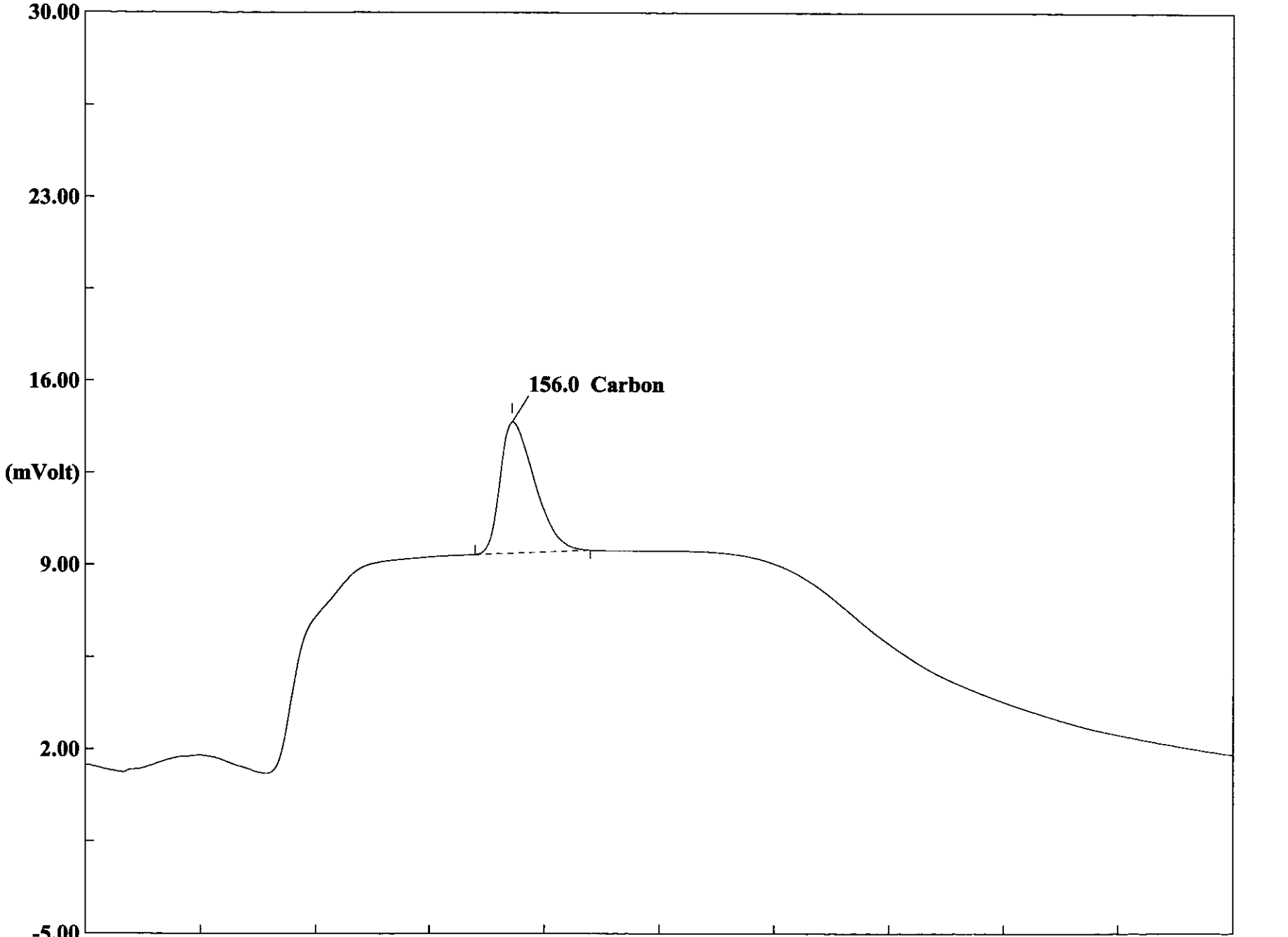
Sample name :l84rl1av Analysed :11/01/2010 00:49

C0J210496

4181

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110067.DAT

Sample name :l84rl1av Analysed :11/01/2010 00:49

Eager 300 Report

 Sample: 184rl1av (A103110067)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110067
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 00:49 Printed : 11/1/2010 08:03
Sample ID : 184rl1av (# 54) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20.5

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.6503	156	727431	mi	1.000000	

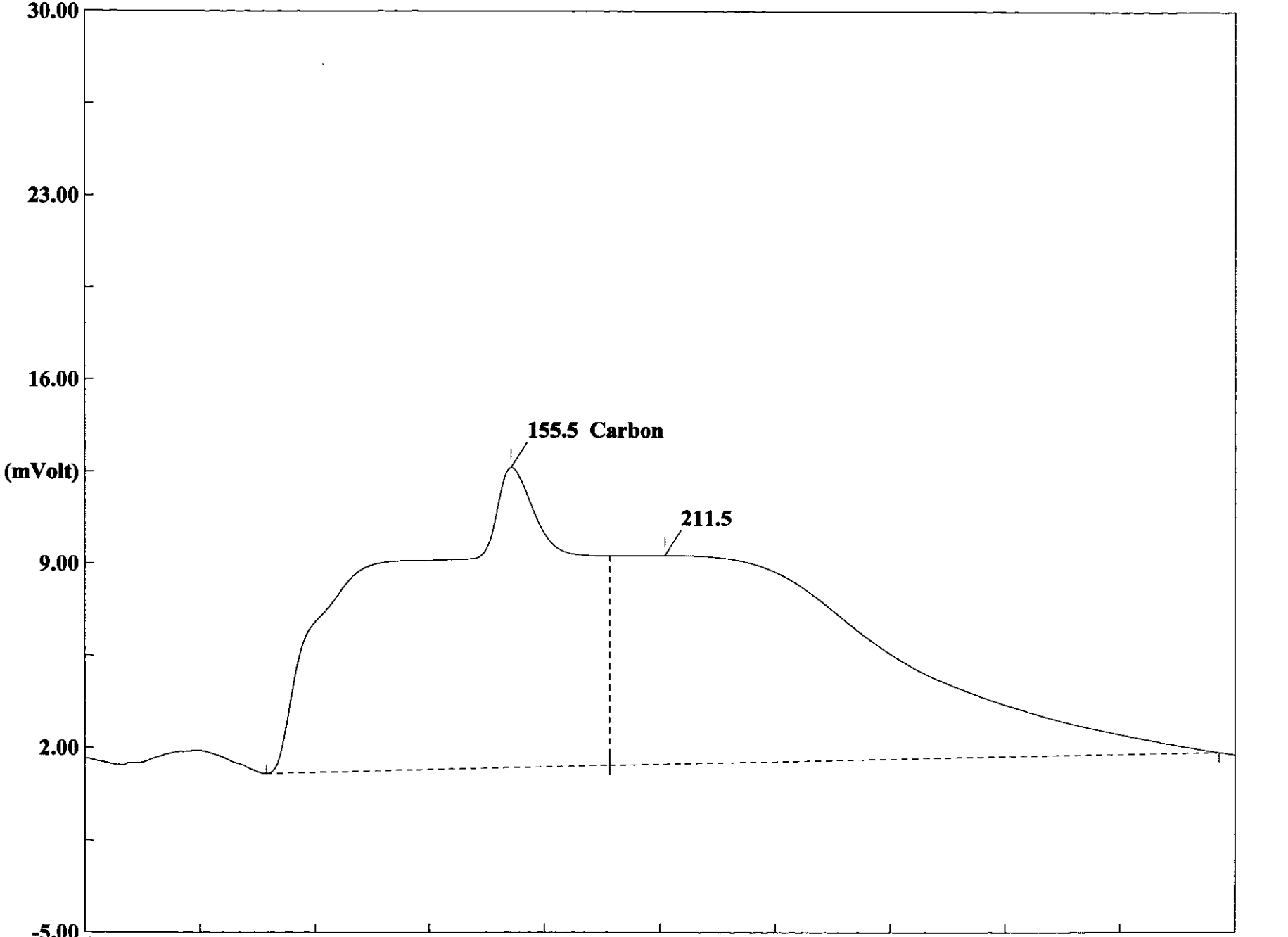
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4183

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110068.DAT

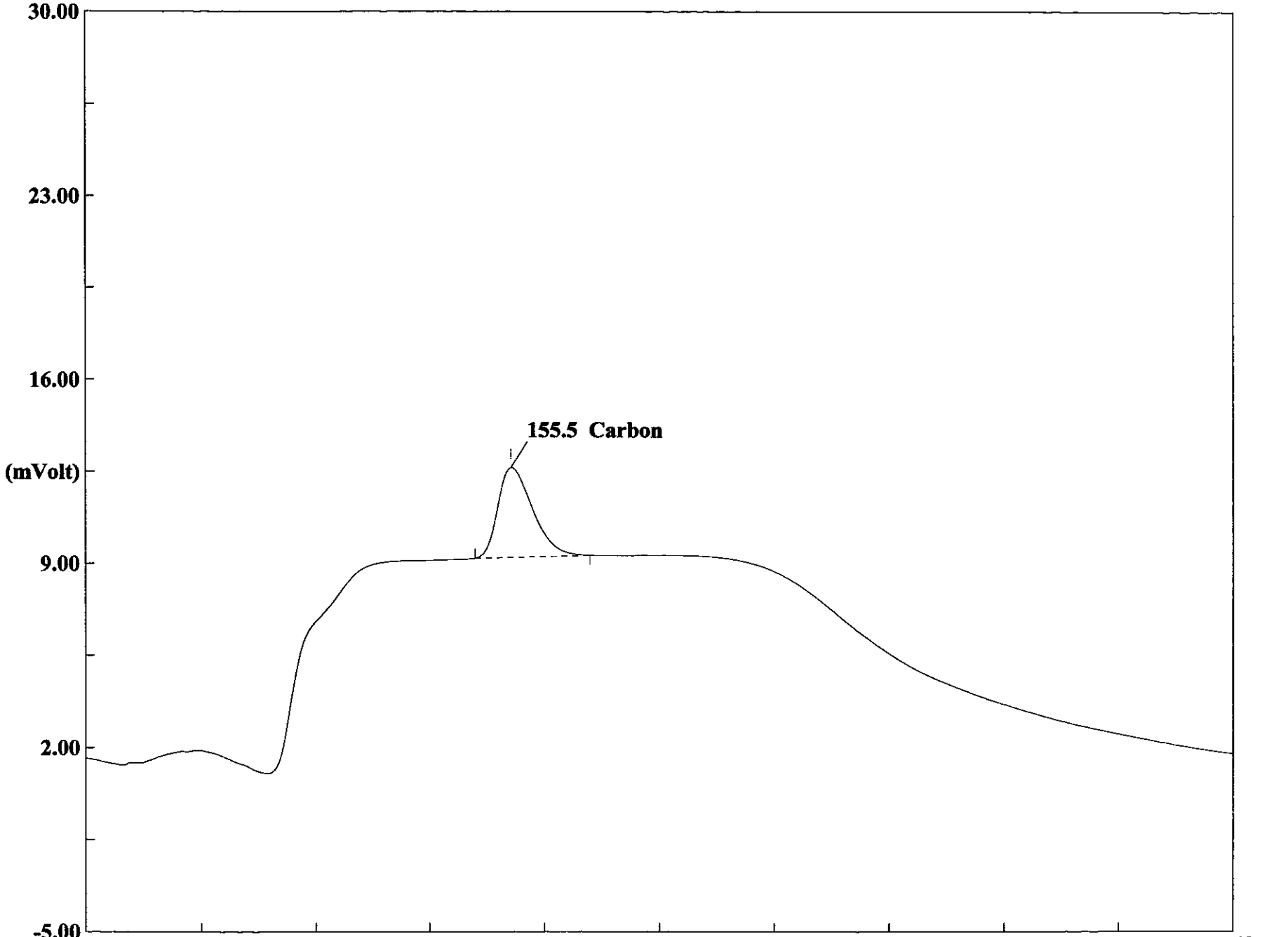
Sample name :l84rl1av Analysed :11/01/2010 00:56

C0J210496

4184

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110068.DAT

Sample name :l84rl1av Analysed :11/01/2010 00:56

Eager 300 Report

Page: 1 Sample: l84rl1av (A103110068)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110068
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 00:56 Printed : 11/1/2010 08:03
Sample ID : l84rl1av (# 55) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 21.5

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.0788	156	501402	mi	1.000000	

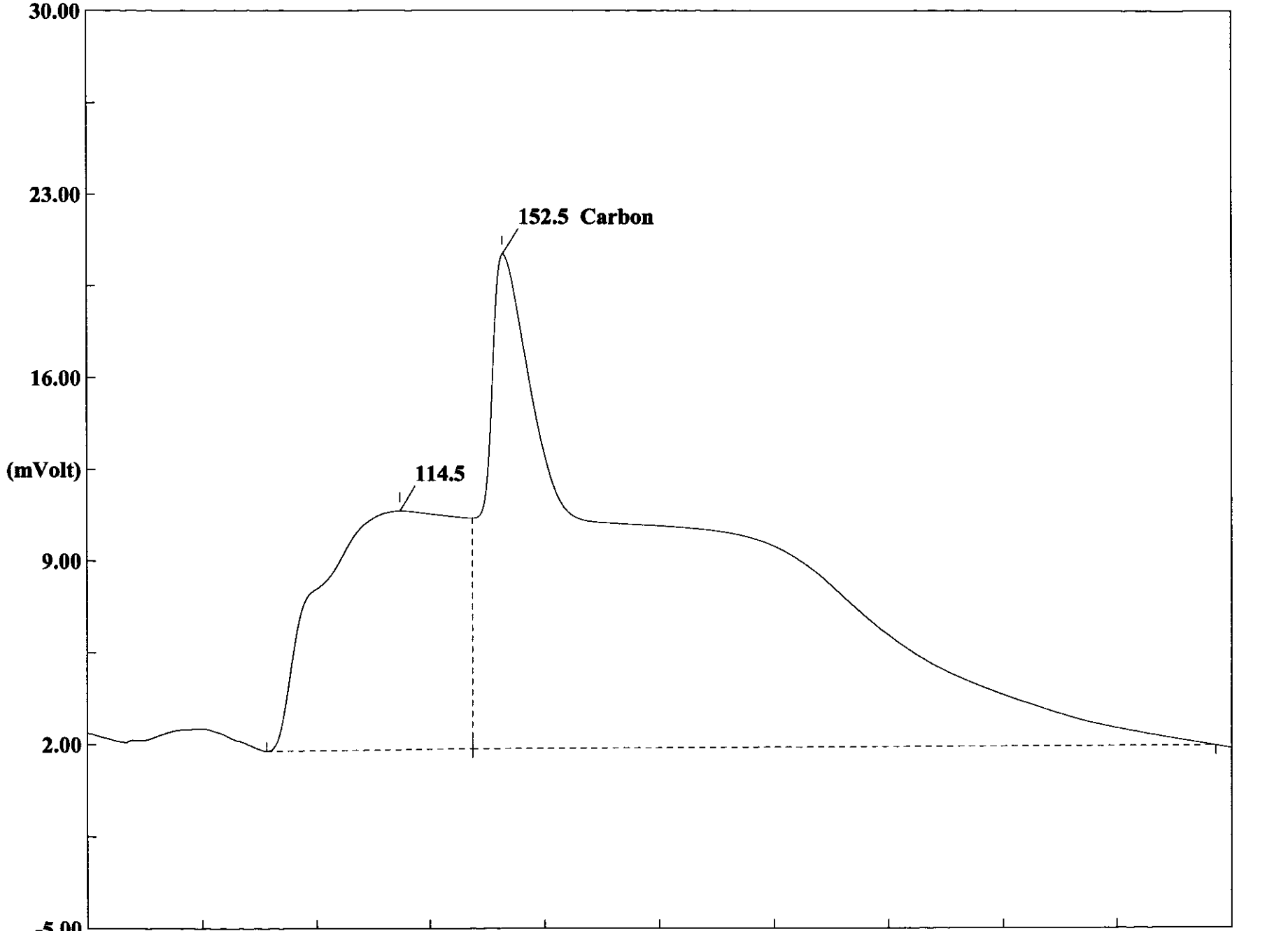
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4186

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110071.DAT

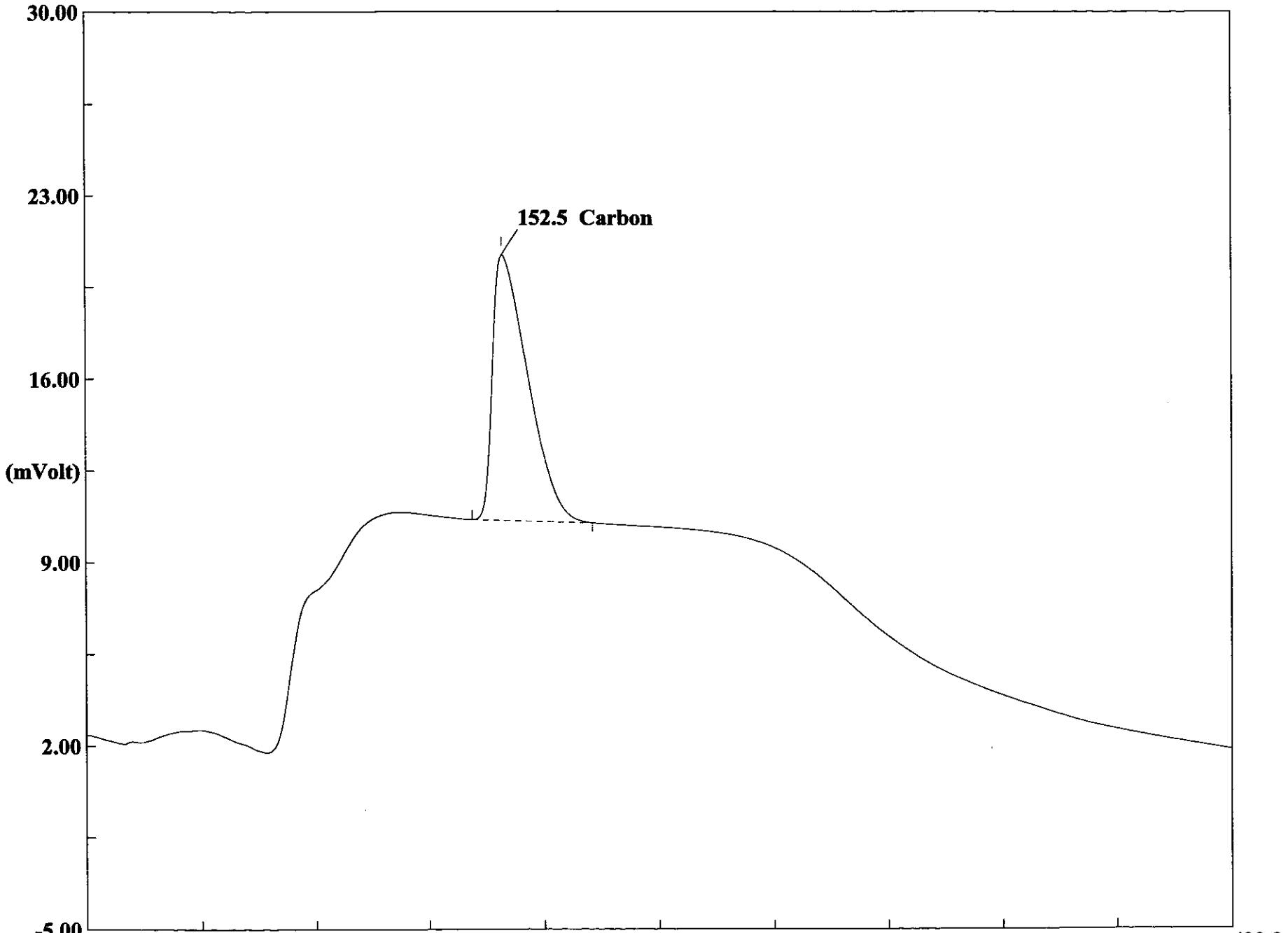
Sample name :l84rp1a3 Analysed :11/01/2010 01:18

C0J210496

4187

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110071.DAT

Sample name :l84rp1a3 Analysed :11/01/2010 01:18

Eager 300 Report

 Sample: 184rp1a3 (A103110071)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110071
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 01:18 Printed : 11/1/2010 08:03
Sample ID : 184rp1a3 (# 56) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20.9

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	3.3918	153	1514792	mi	1.000000	

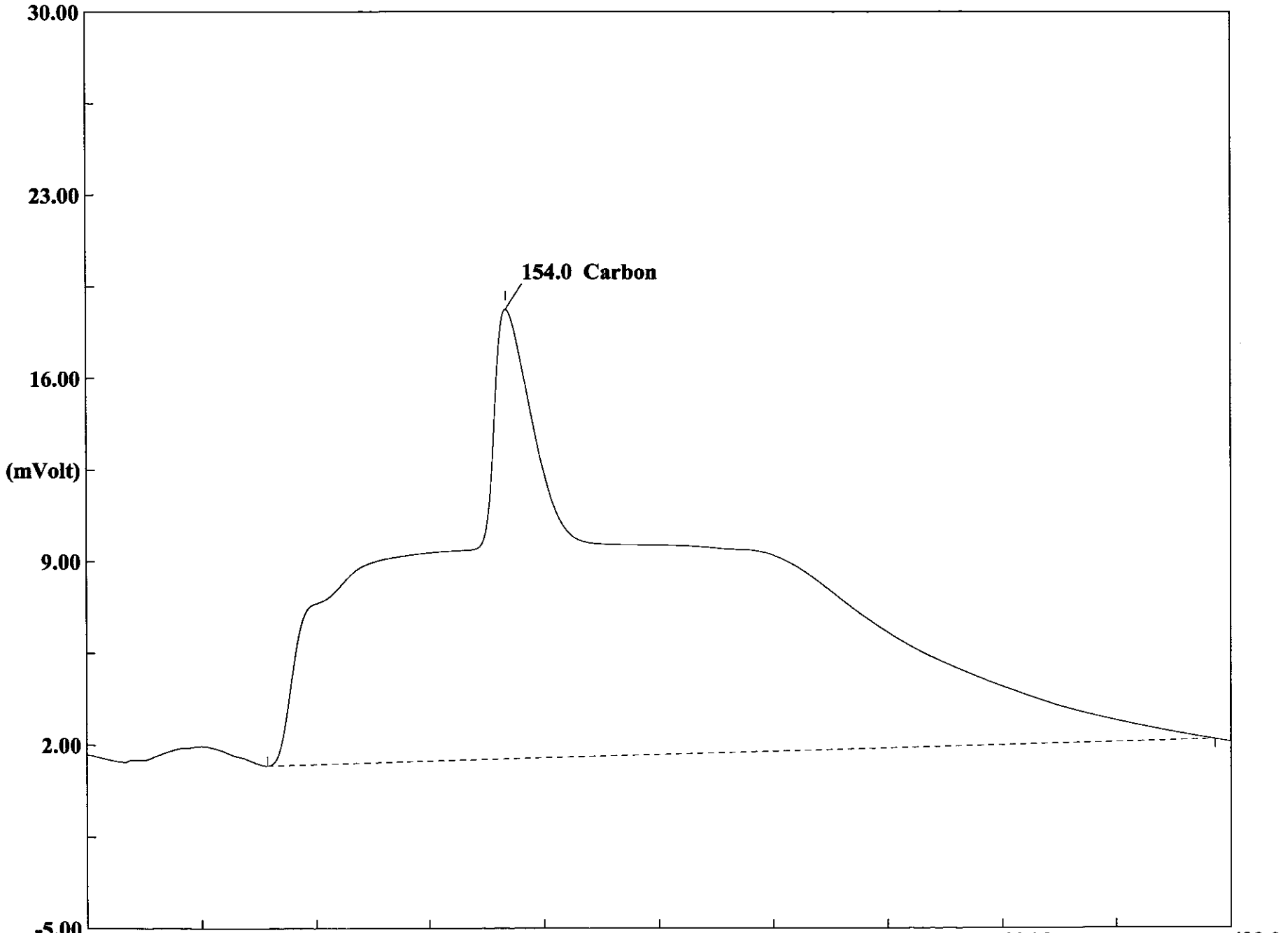
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4189

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110072.DAT

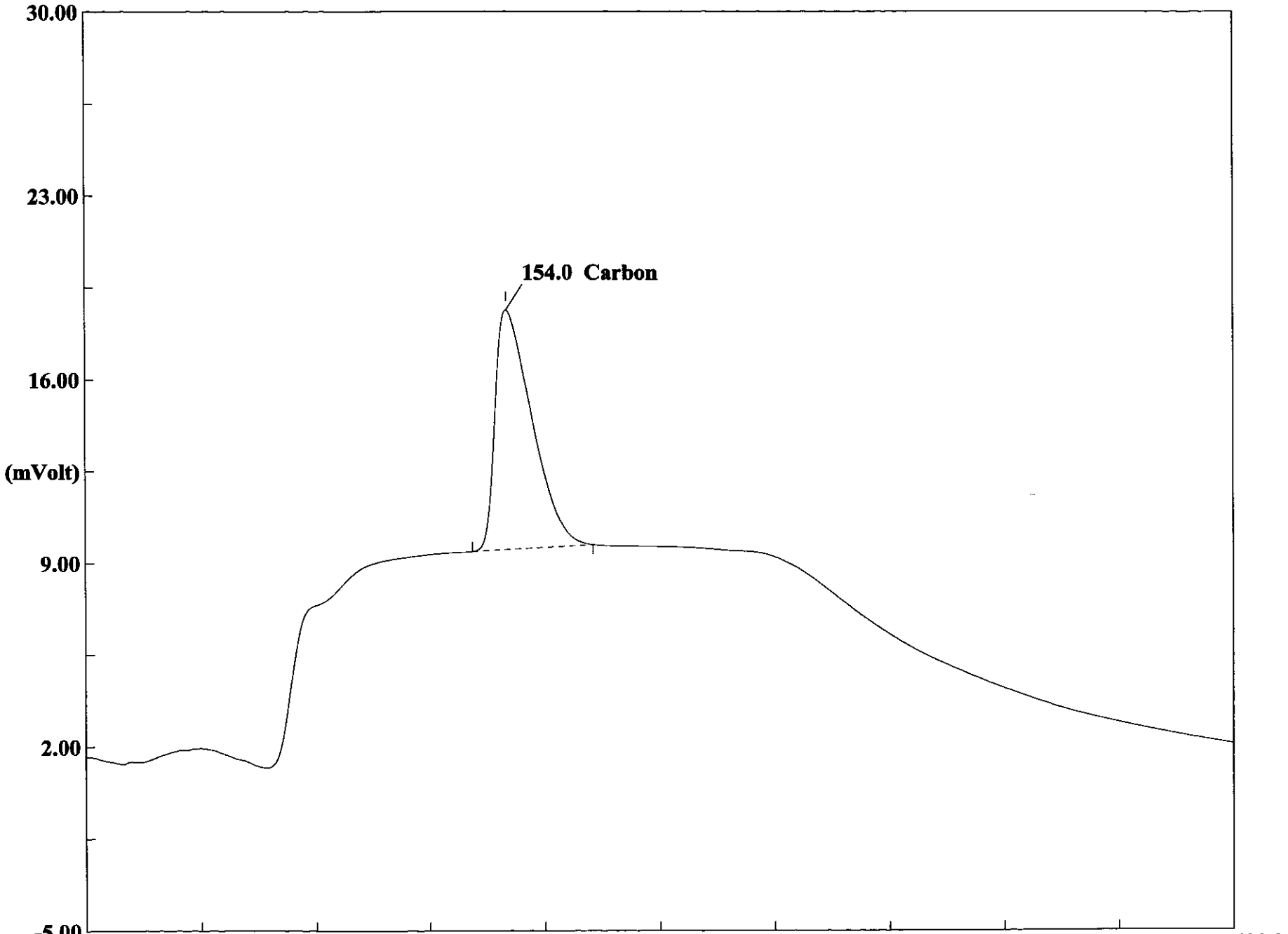
Sample name :l84rp1a3 Analysed :11/01/2010 01:25

C0J210496

4190

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110072.DAT

Sample name :l84rp1a3 Analysed :11/01/2010 01:25

Eager 300 Report

 Sample: 184rp1a3 (A103110072)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110072
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 01:25 Printed : 11/1/2010 08:03
Sample ID : 184rp1a3 (# 57) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 21.9

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	3.0365	154	1421533	mi	1.000000	

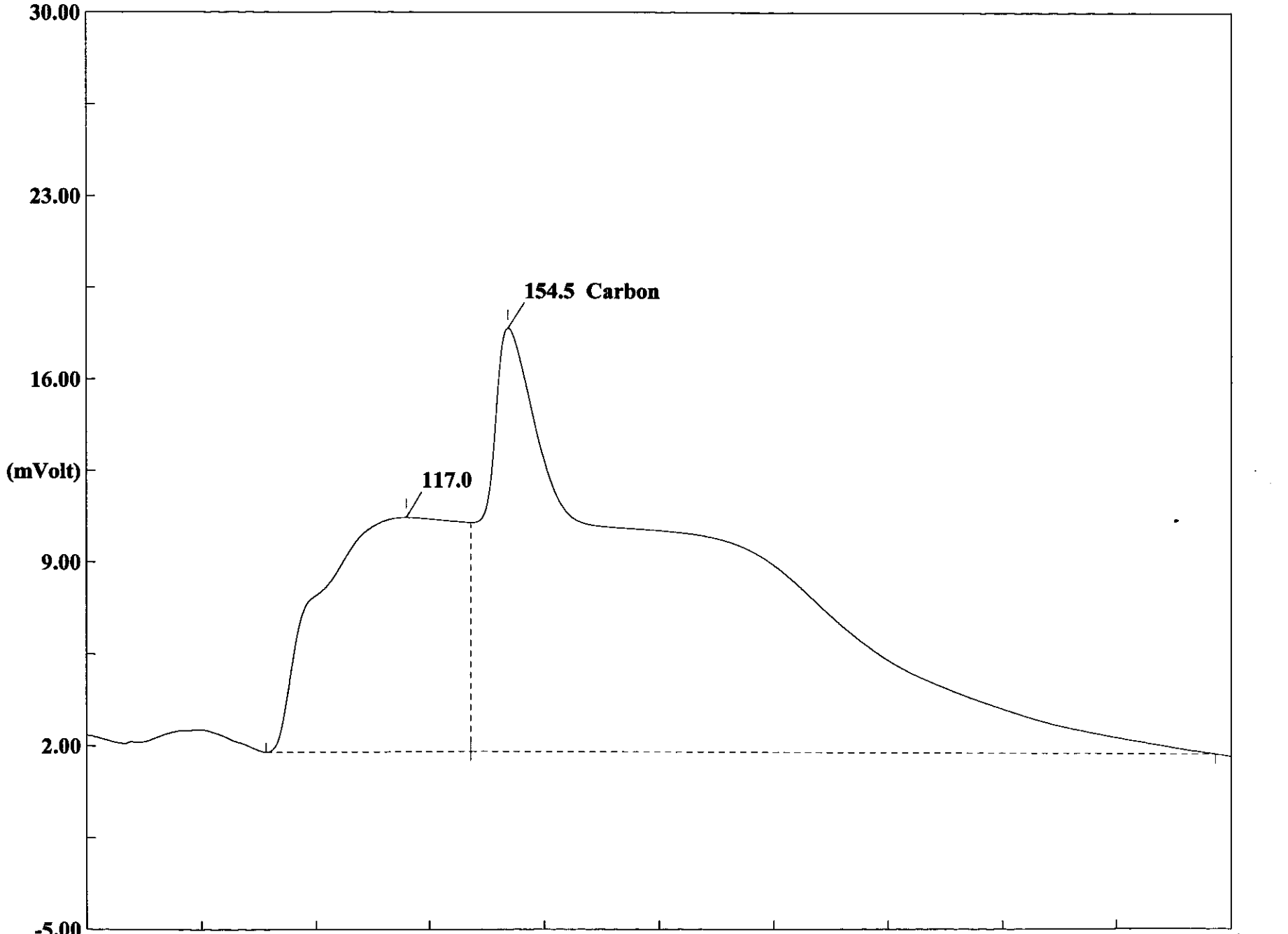
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4192

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110075.DAT

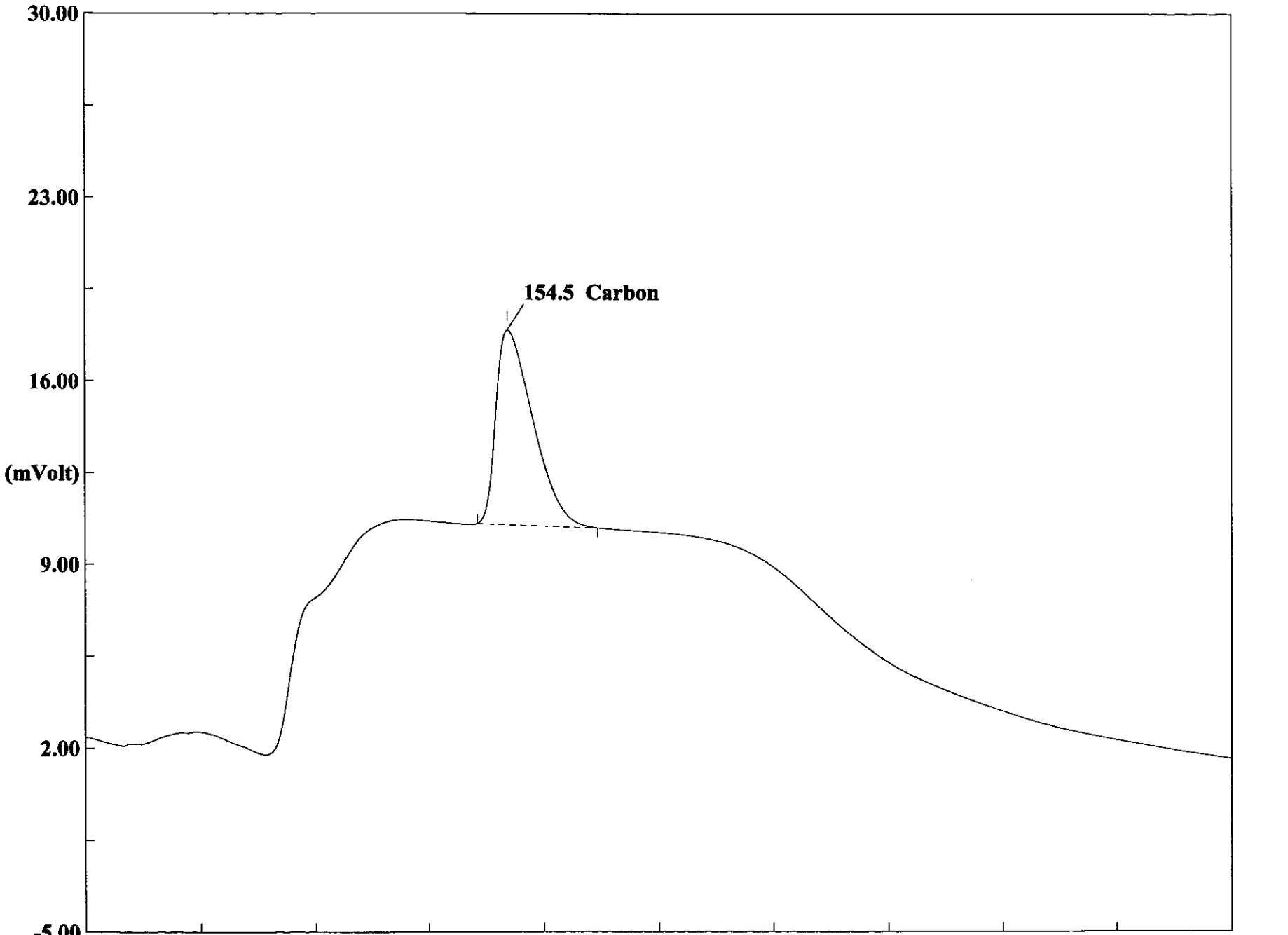
Sample name :l84rp1a3 Analysed :11/01/2010 01:47

C0J210496

4193

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110075.DAT

Sample name :l84rp1a3 Analysed :11/01/2010 01:47

Eager 300 Report

 Sample: 184rp1a3 (A103110075)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110075
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 01:47 Printed : 11/1/2010 08:03
Sample ID : 184rp1a3 (# 58) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20.3

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.6752	155	1162455	mi	1.000000	

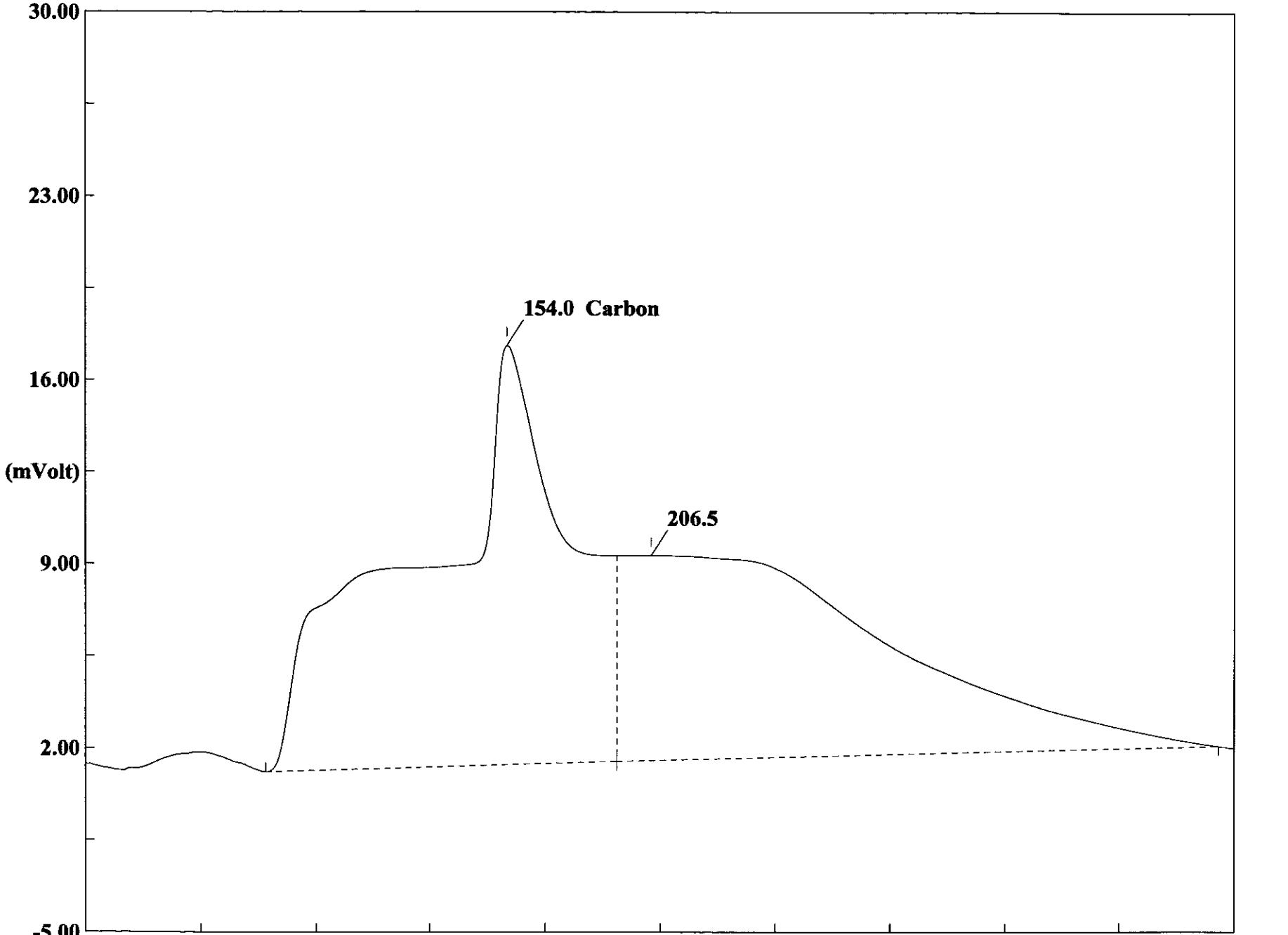
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4195

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110076.DAT

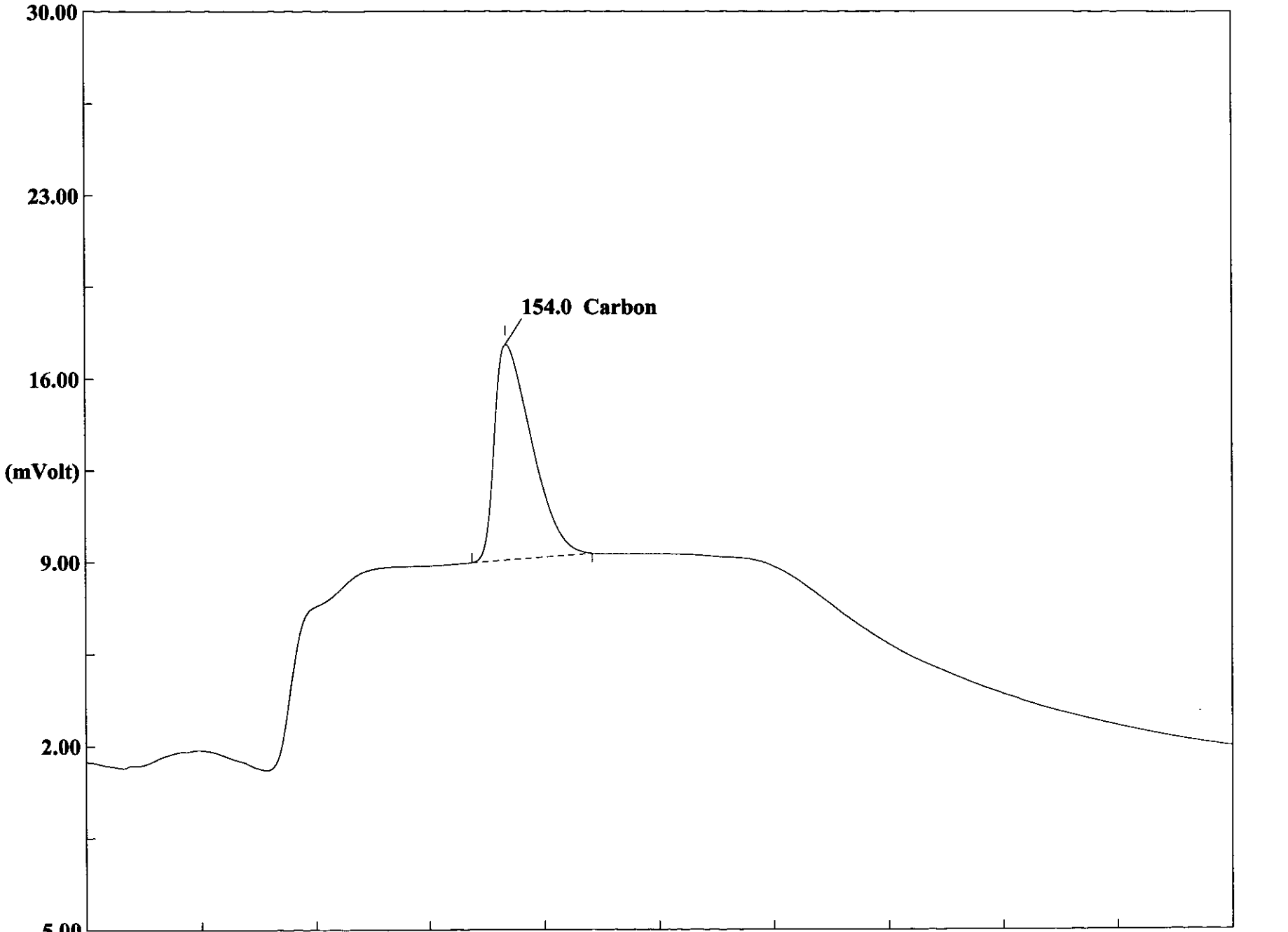
Sample name :l84rp1a3 Analysed :11/01/2010 01:54

C0J210496

4196

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110076.DAT

Sample name :l84rp1a3 Analysed :11/01/2010 01:54

Eager 300 Report

Page: 1 Sample: 184rp1a3 (A103110076)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110076
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 01:54 Printed : 11/1/2010 08:03
Sample ID : 184rp1a3 (# 59) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20.1

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	3.0049	154	1291904	mi	1.000000	

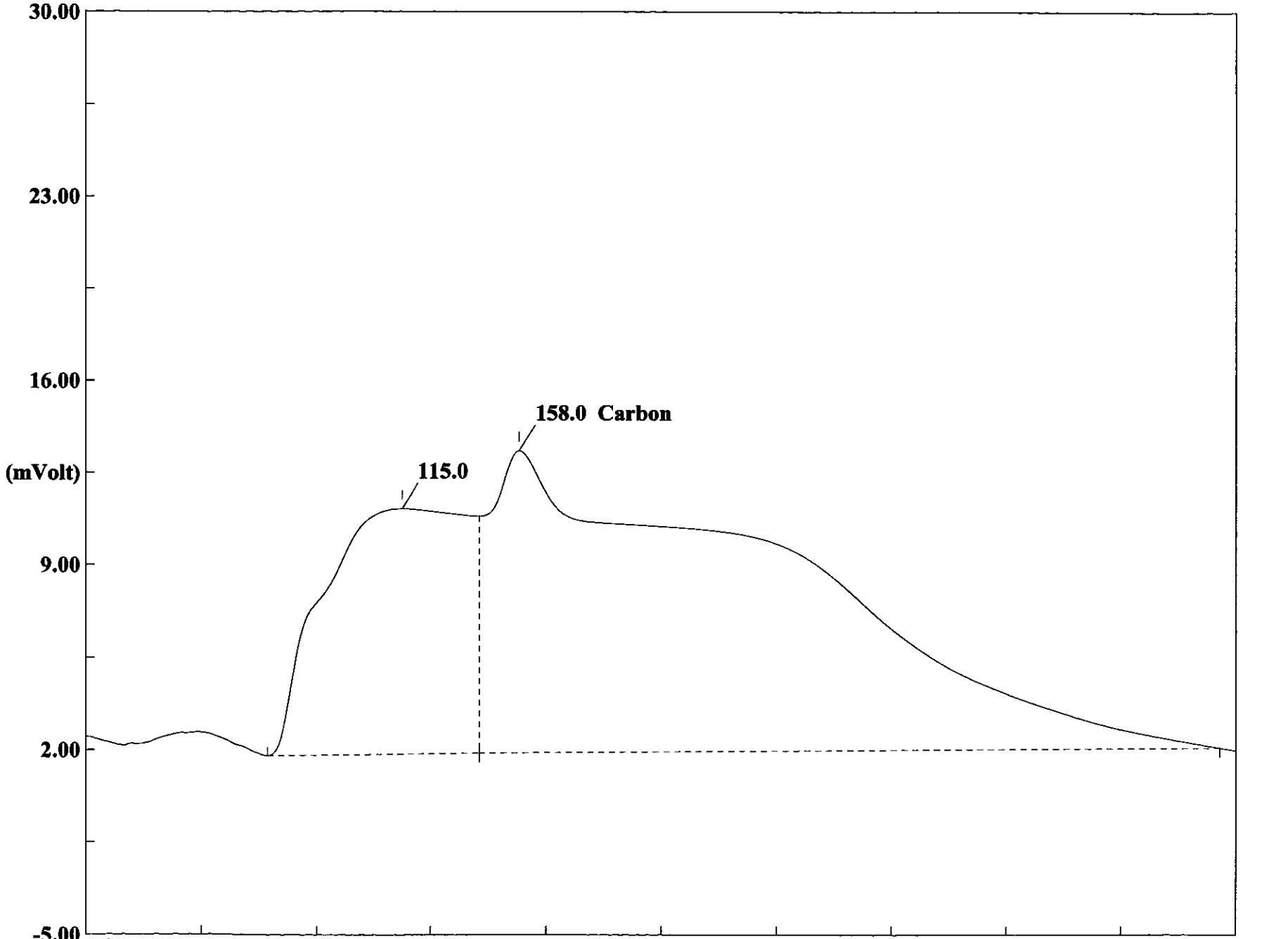
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4198

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110079.DAT

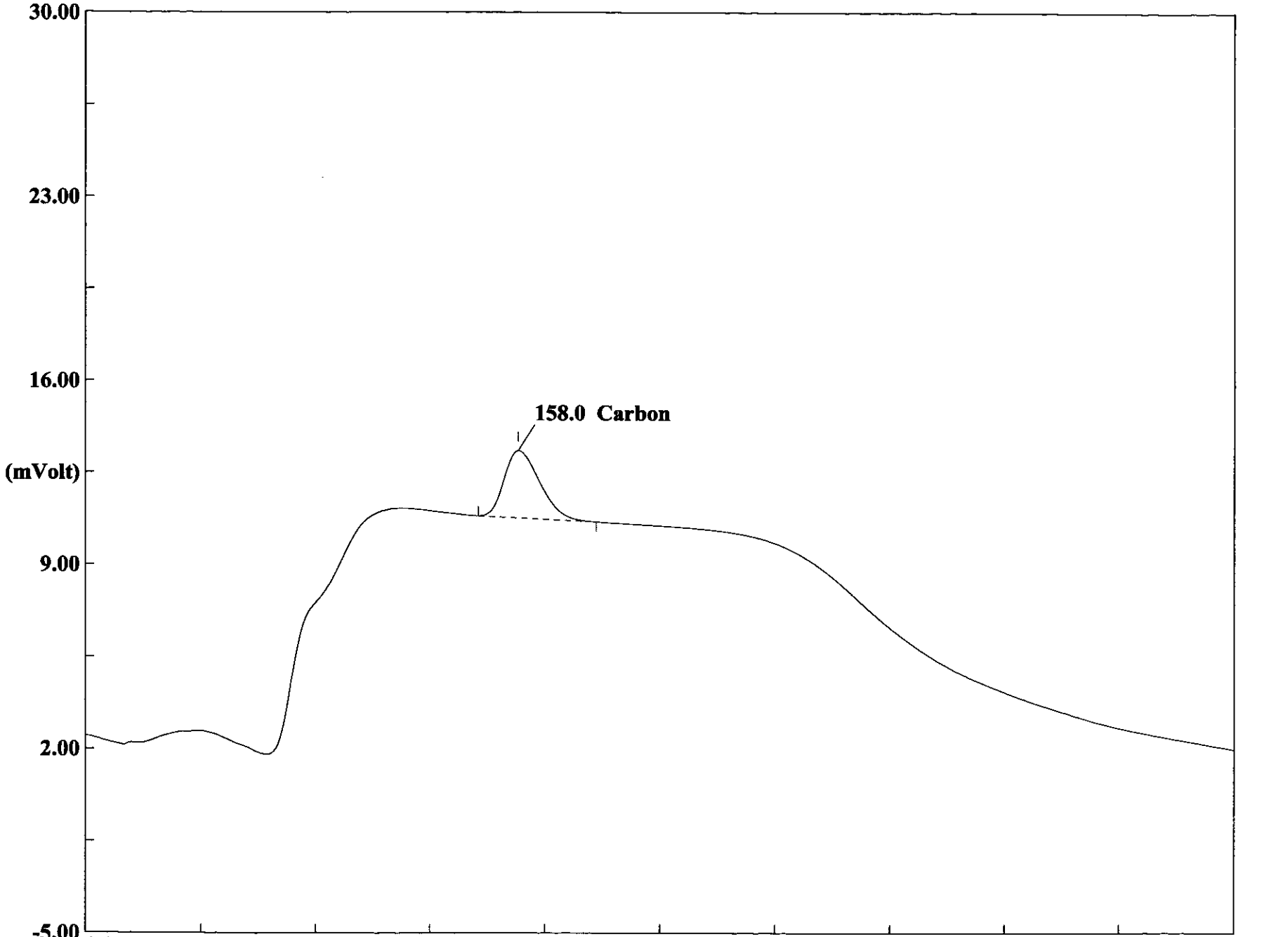
Sample name :l84r31a3 Analysed :11/01/2010 02:15

C0J210496

4199

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110079.DAT

Sample name :l84r31a3 Analysed :11/01/2010 02:15

Eager 300 Report

 Sample: 184r31a3 (A103110079)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110079
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 02:15
Printed : 11/1/2010 08:03
Sample ID : 184r31a3 (# 60)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 19.3

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9138	158	383312	mi	1.000000	

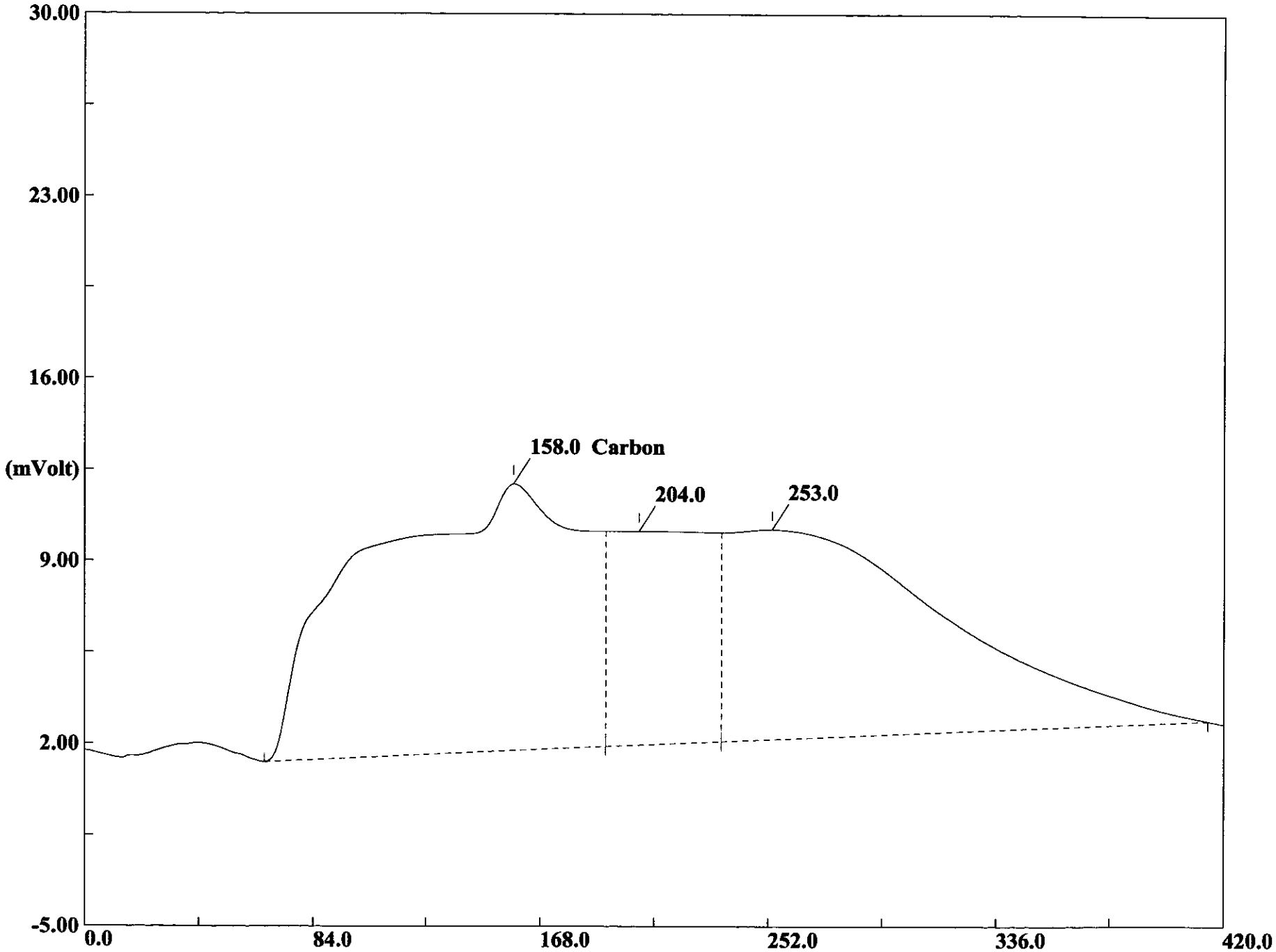
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4201

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110080.DAT

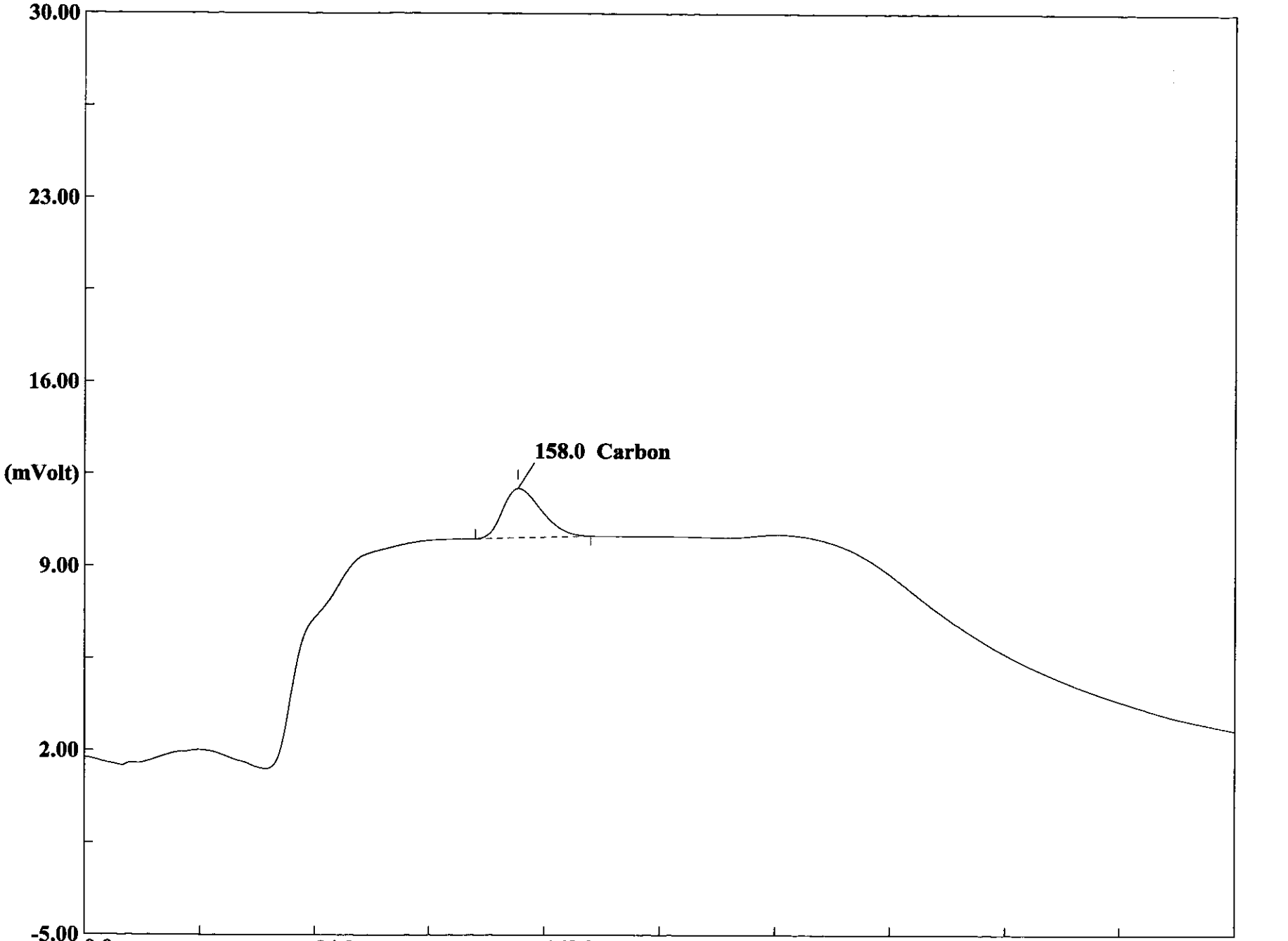
Sample name :l84r31a3 Analysed :11/01/2010 02:23

C0J210496

4202

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110080.DAT

Sample name :l84r31a3 Analysed :11/01/2010 02:23

Eager 300 Report

 Sample: 184r31a3 (A103110080)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110080
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 02:23
Printed : 11/1/2010 08:03
Sample ID : 184r31a3 (# 61)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 21.6

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.6467	158	305414	mi	1.000000	

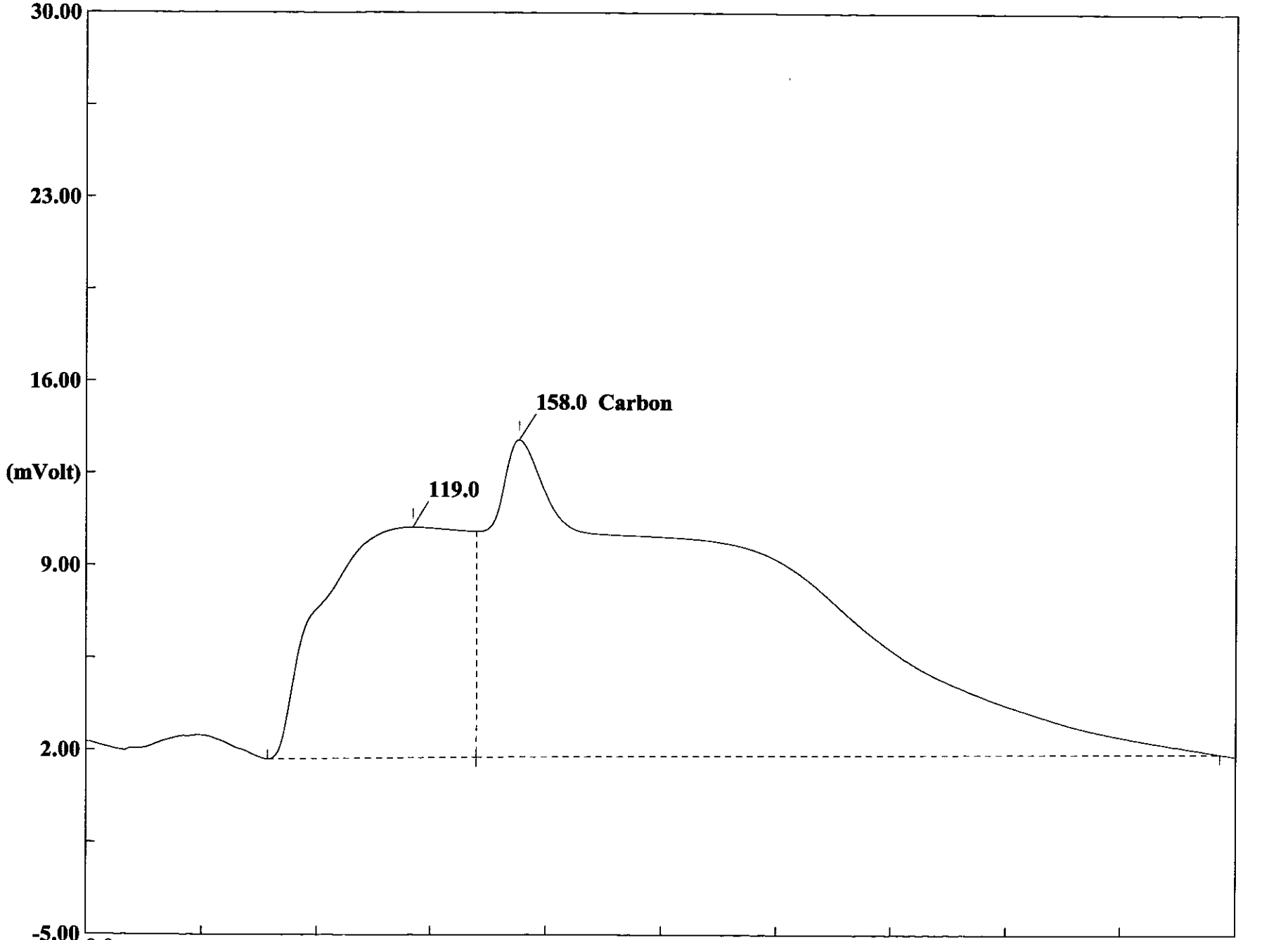
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4204

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110083.DAT

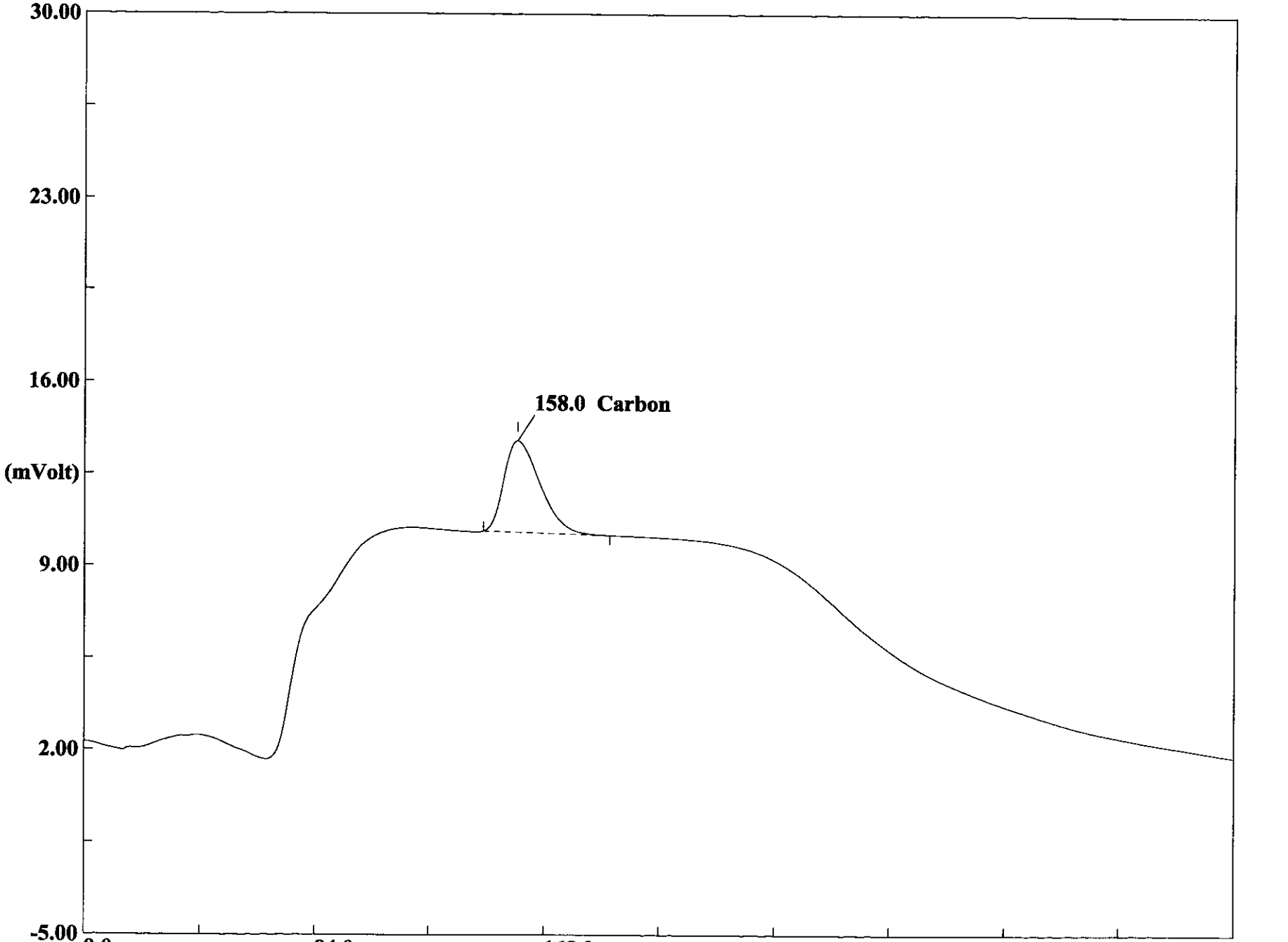
Sample name :l84r31a3 Analysed :11/01/2010 02:44

C0J210496

4205

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110083.DAT

Sample name :l84r31a3 Analysed :11/01/2010 02:44

Eager 300 Report

Page: 1 Sample: 184r31a3 (A103110083)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110083
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 02:44 Printed : 11/1/2010 08:03
Sample ID : 184r31a3 (# 62) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 21.9

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.1164	158	528084	mi	1.000000	

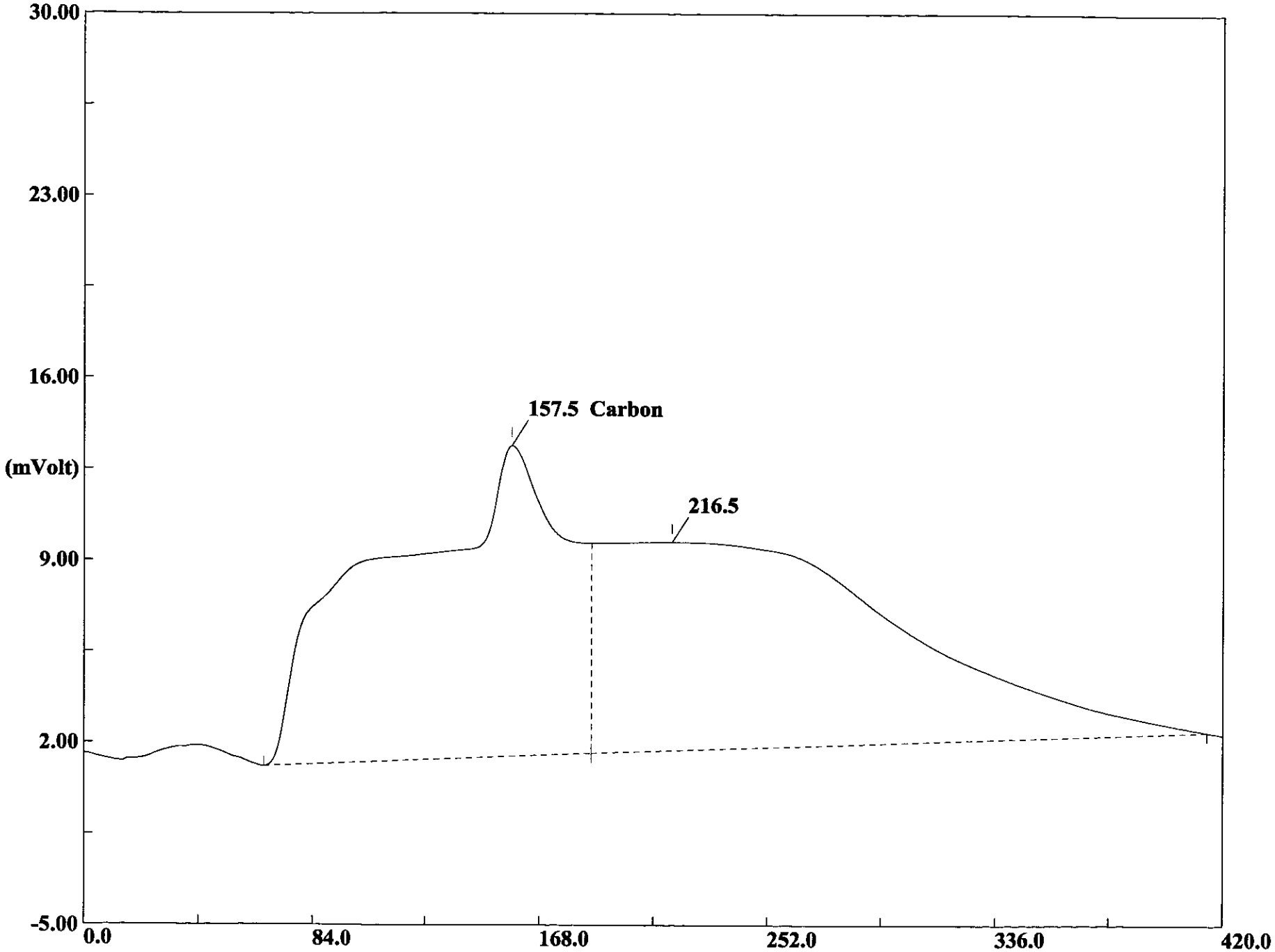
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4207

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110084.DAT

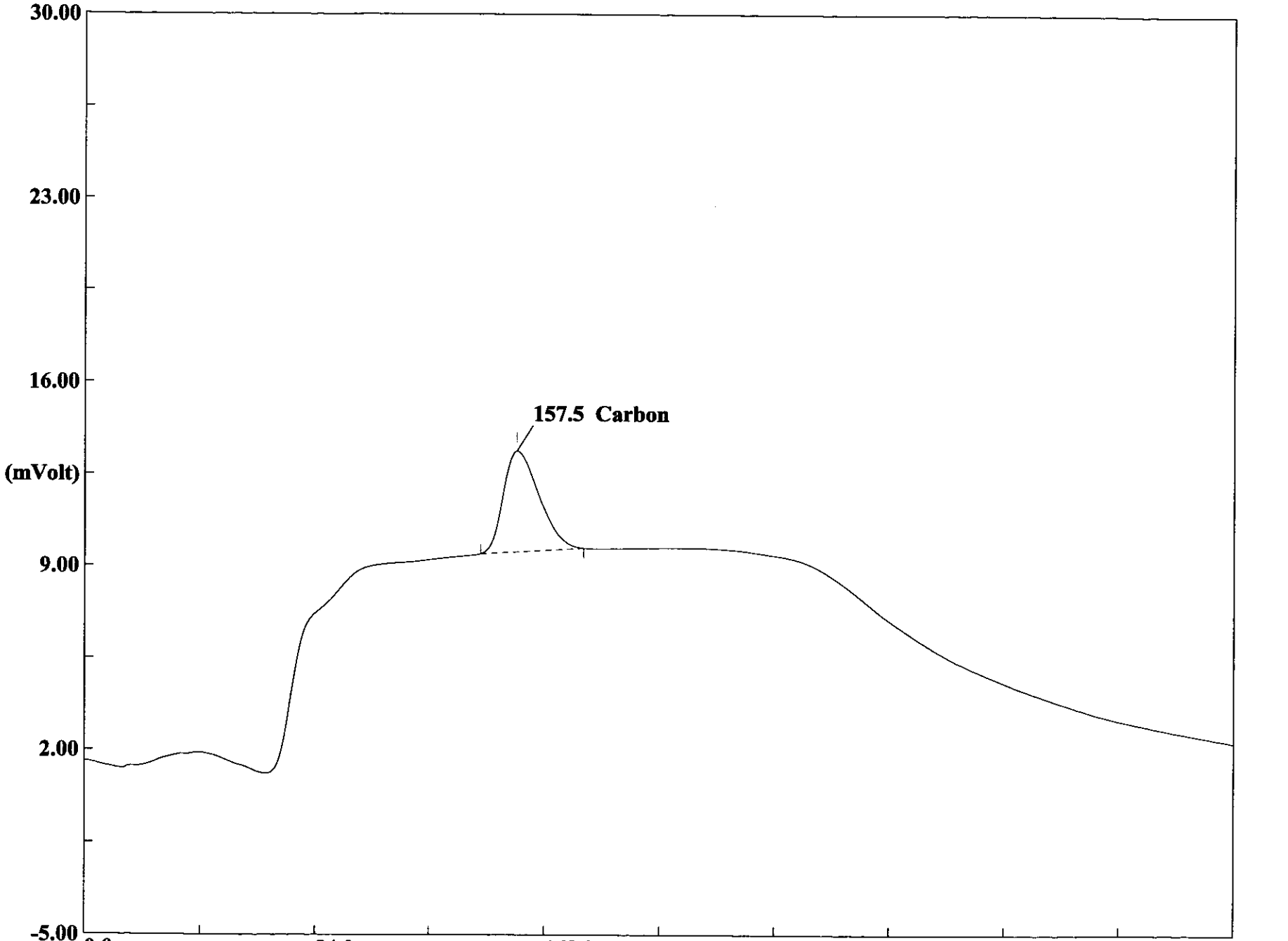
Sample name :l84r31a3 Analysed :11/01/2010 02:52

C0J210496

4208

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110084.DAT

Sample name :l84r31a3 Analysed :11/01/2010 02:52

Eager 300 Report

 Sample: 184r31a3 (A103110084)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110084
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 02:52 Printed : 11/1/2010 08:03
Sample ID : 184r31a3 (# 63) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20.3

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.3187	158	577393	mi	1.000000	

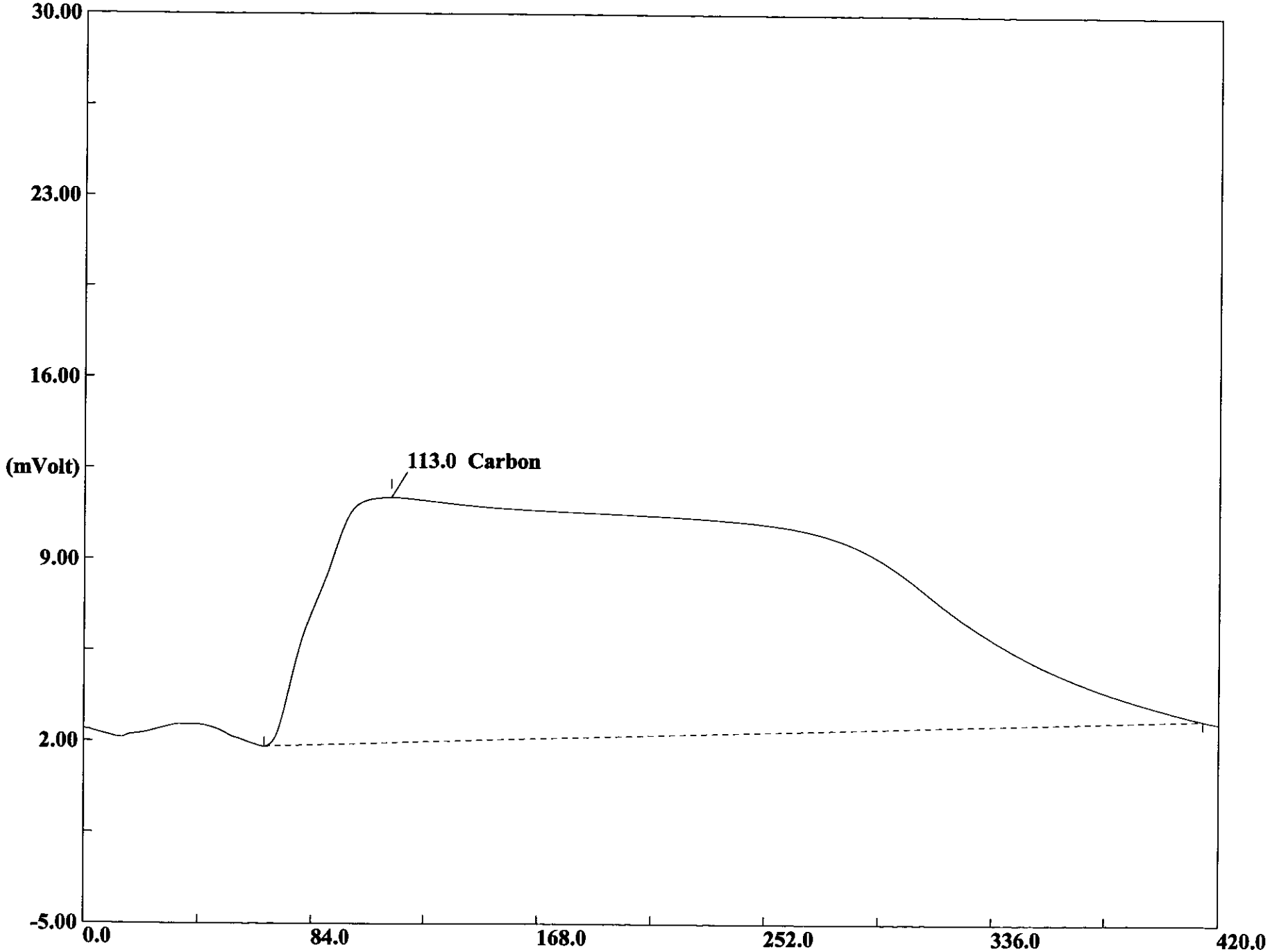
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4210

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110087.DAT

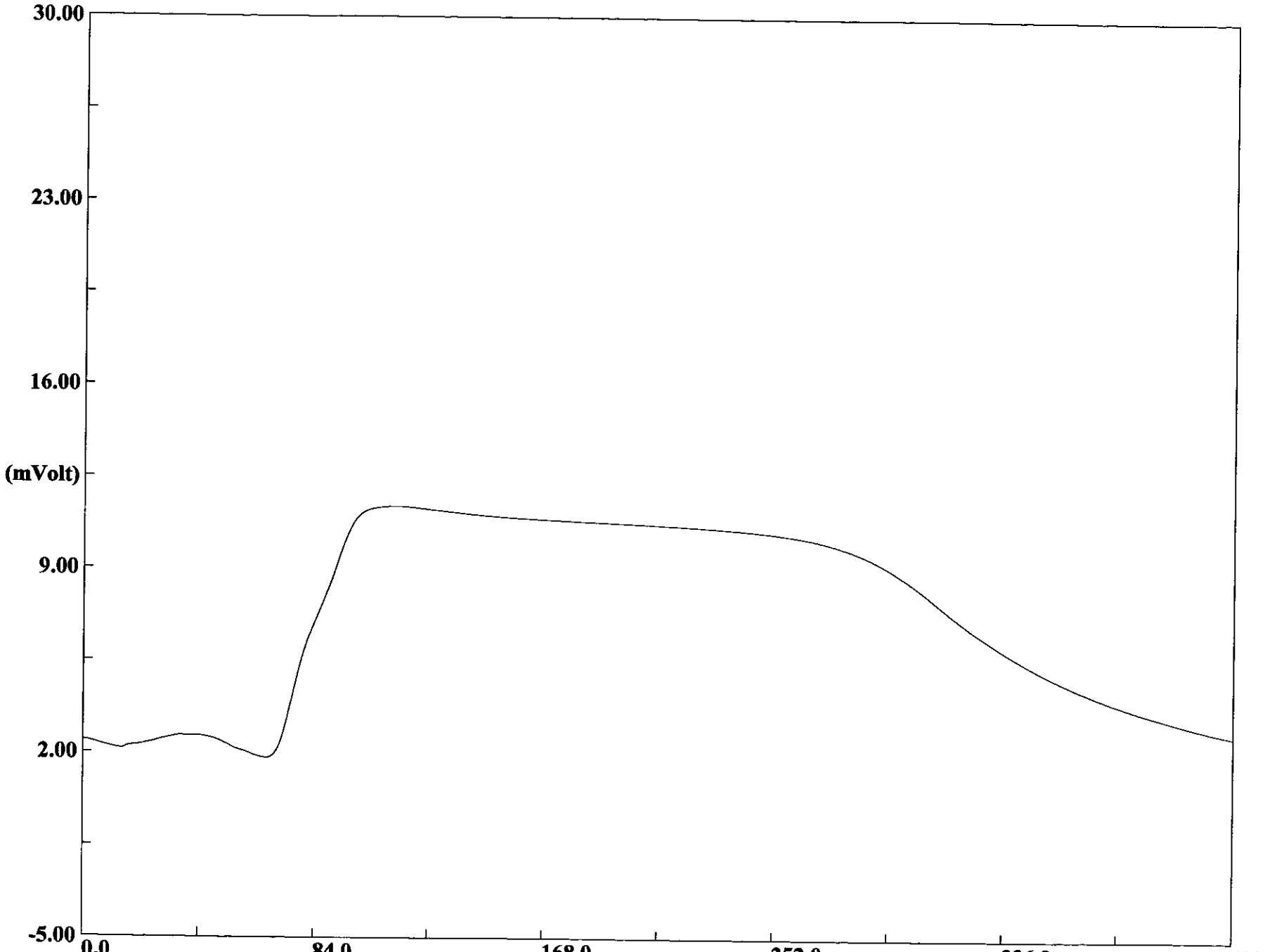
Sample name :ccb Analysed :11/01/2010 03:13

C0J210496

4211

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110087.DAT

Sample name :ccb Analysed :11/01/2010 03:13

Eager 300 Report

Page: 1 Sample: ccb (A103110087)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110087
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 03:13 Printed : 11/1/2010 08:03
Sample ID : ccb (# 64) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

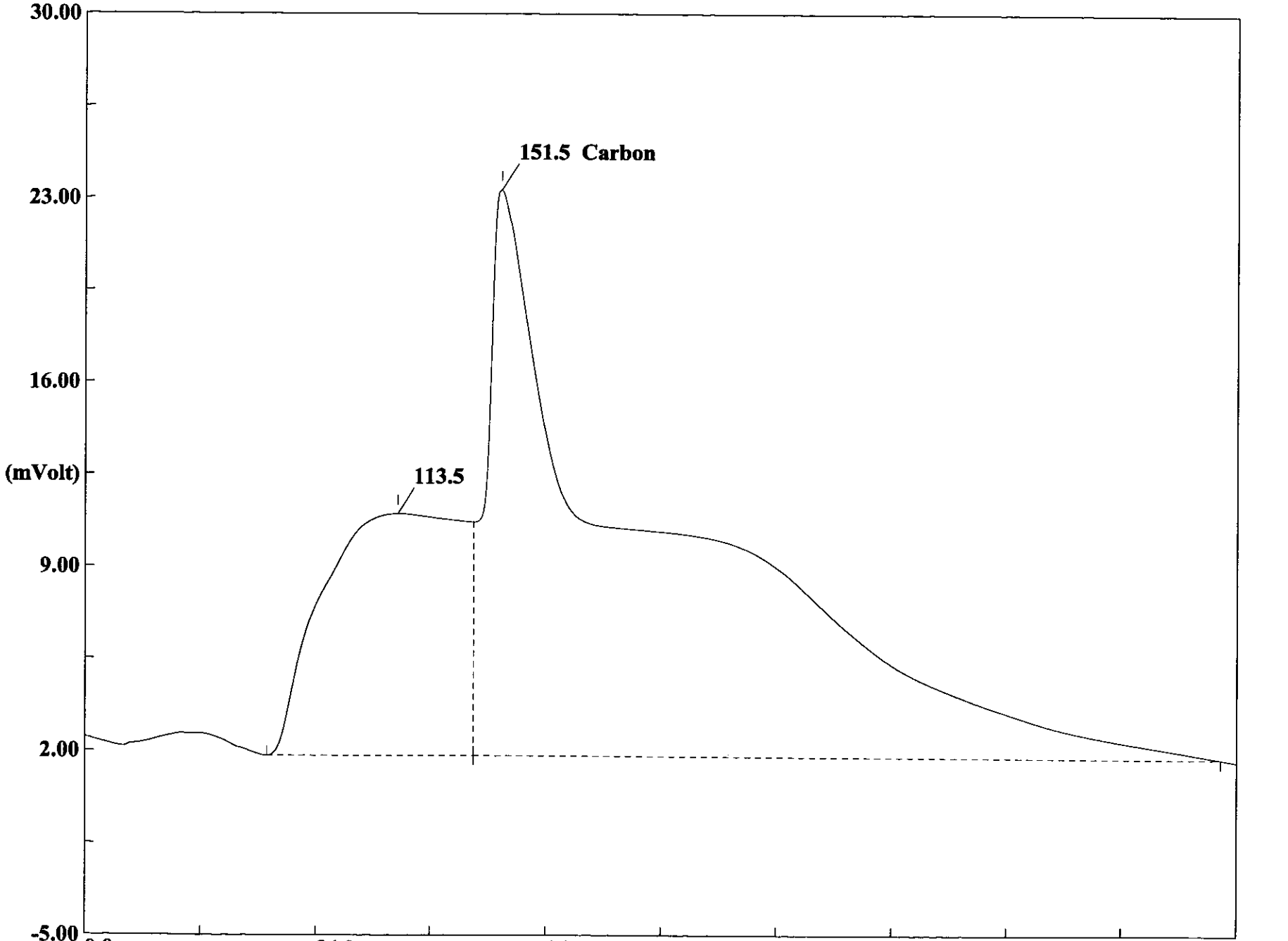
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4213

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110088.DAT

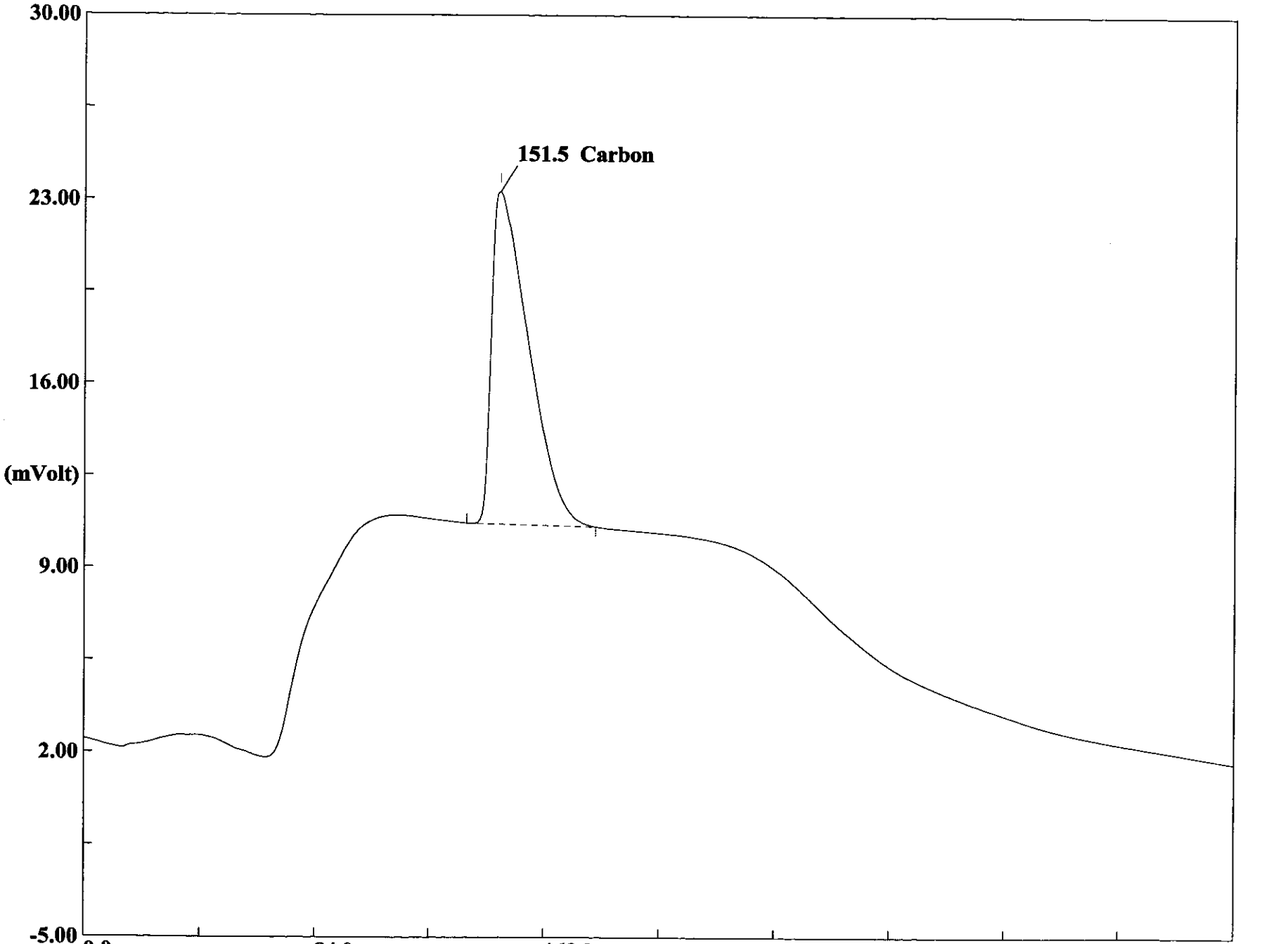
Sample name :ccv Analysed :11/01/2010 03:21

C0J210496

4214

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110088.DAT

Sample name :ccv Analysed :11/01/2010 03:21

Eager 300 Report

 Sample: ccv (A103110088)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110088
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 03:21 Printed : 11/1/2010 08:03
Sample ID : ccv (# 65) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9284	152	1981255	mi	1.000000	

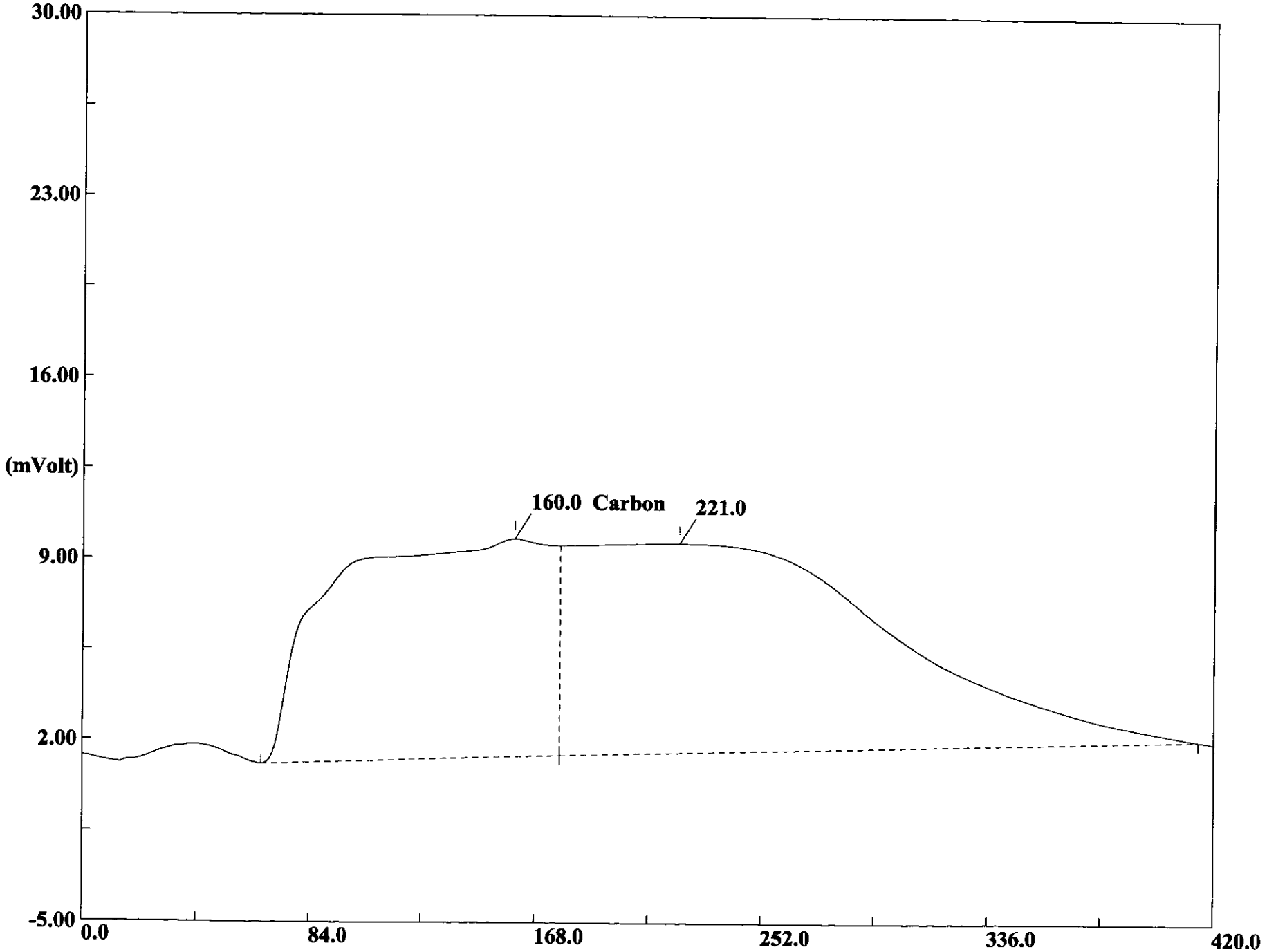
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4216

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110089.DAT

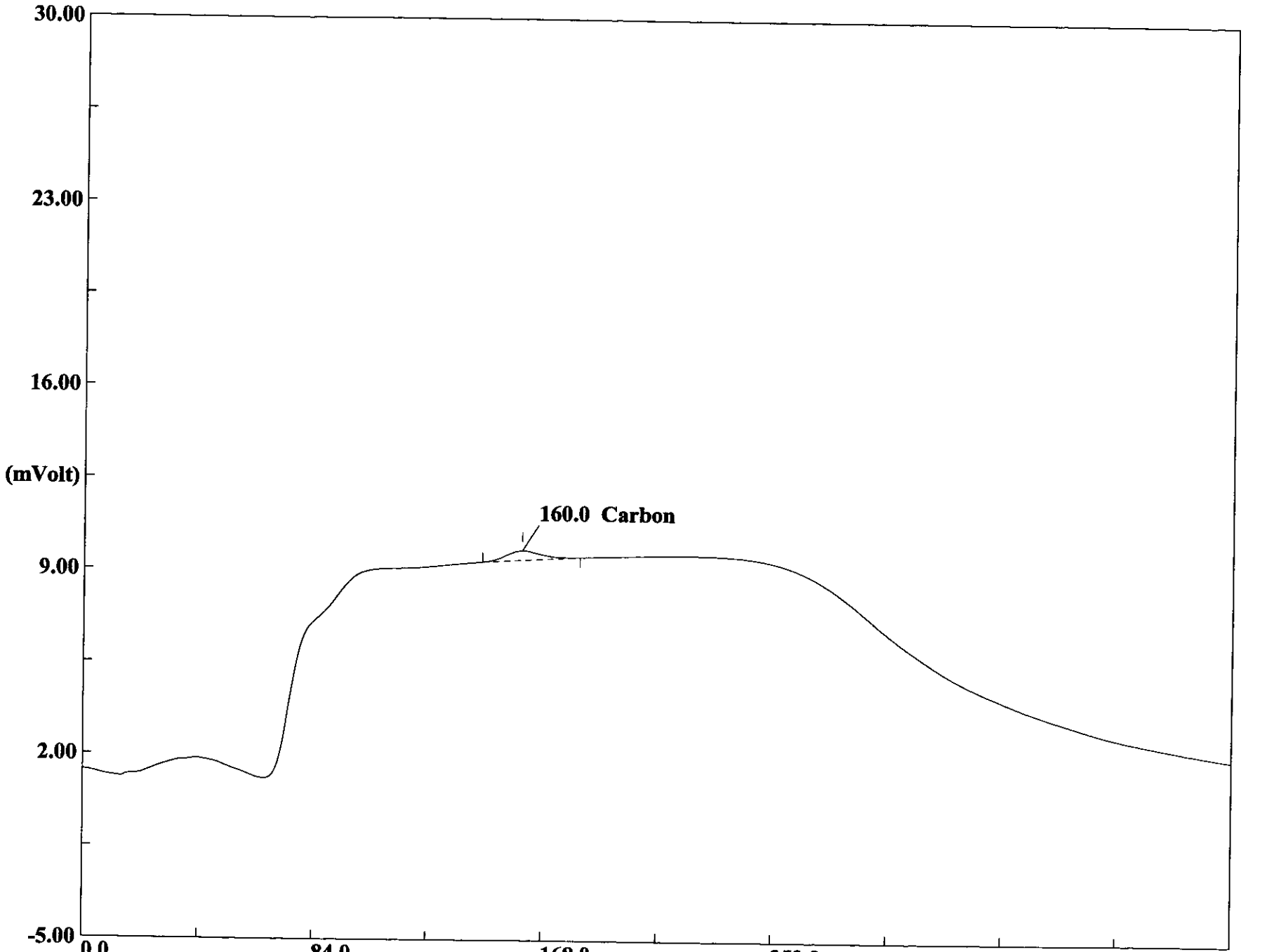
Sample name :l84r61a3 Analysed :11/01/2010 03:28

C0J210496

4217

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110089.DAT

Sample name :l84r61a3 Analysed :11/01/2010 03:28

Eager 300 Report

Page: 1 Sample: l84r61a3 (A103110089)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110089
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 03:28 Printed : 11/1/2010 08:03
Sample ID : l84r61a3 (# 66) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20.1

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1074	160	54463	mi	1.000000	

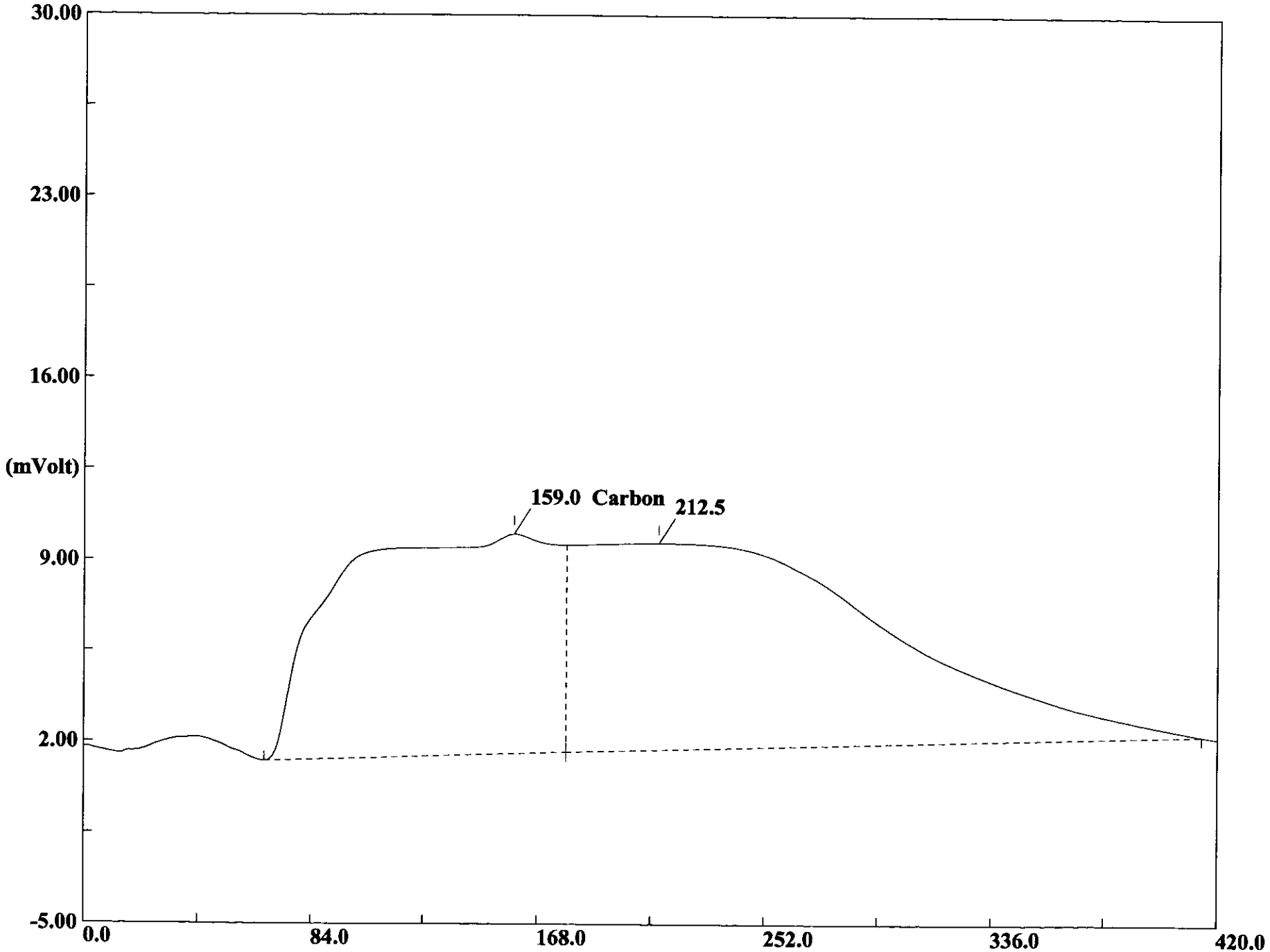
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4219

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110090.DAT

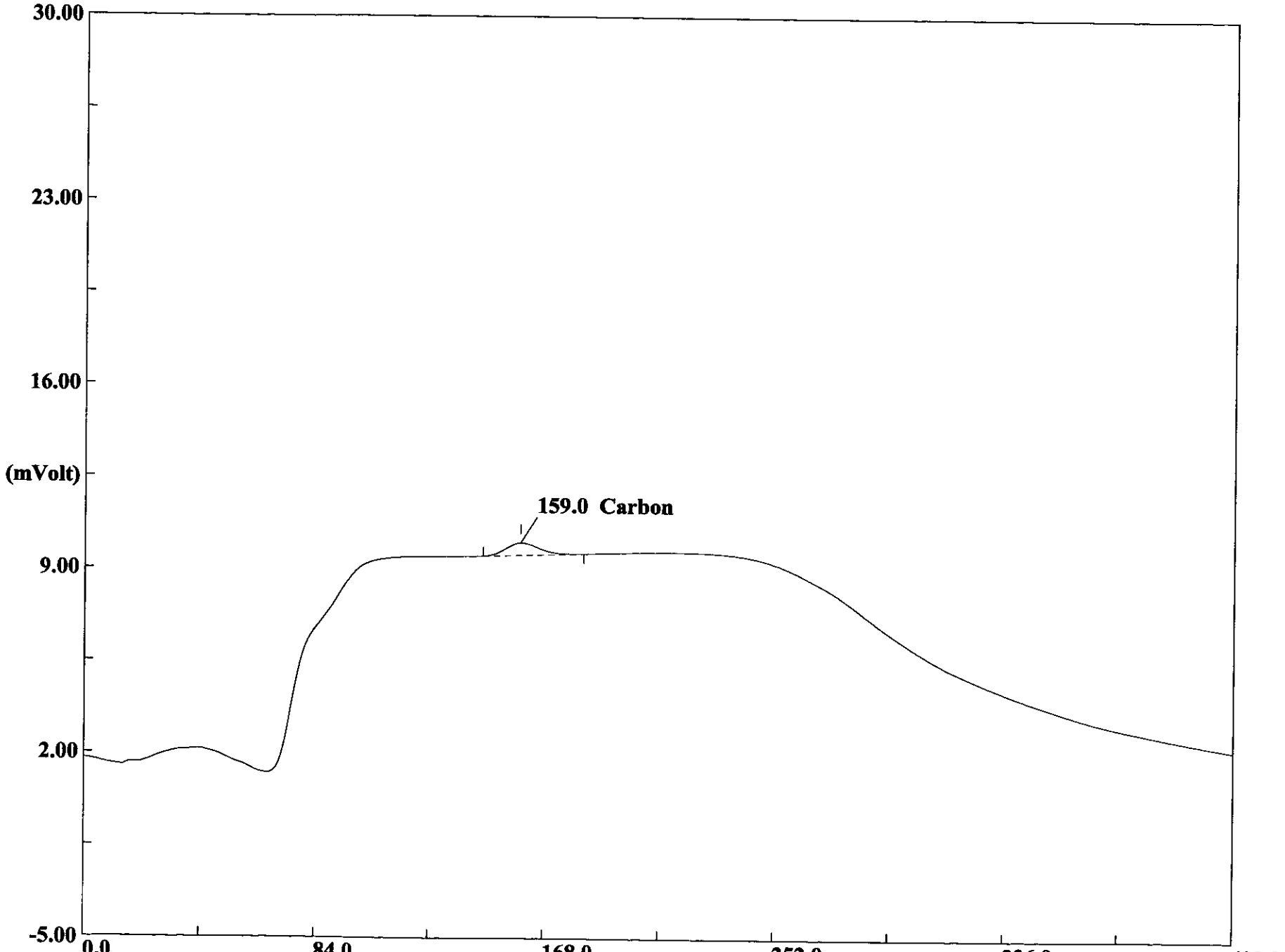
Sample name :l84r61a3 Analysed :11/01/2010 03:35

C0J210496

4220

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110090.DAT

Sample name :l84r61a3 Analysed :11/01/2010 03:35

Eager 300 Report

 Sample: 184r61a3 (A103110090)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110090
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 03:35
Printed : 11/1/2010 08:03
Sample ID : 184r61a3 (# 67)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 20.1

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1342	159	65916	mi	1.000000	

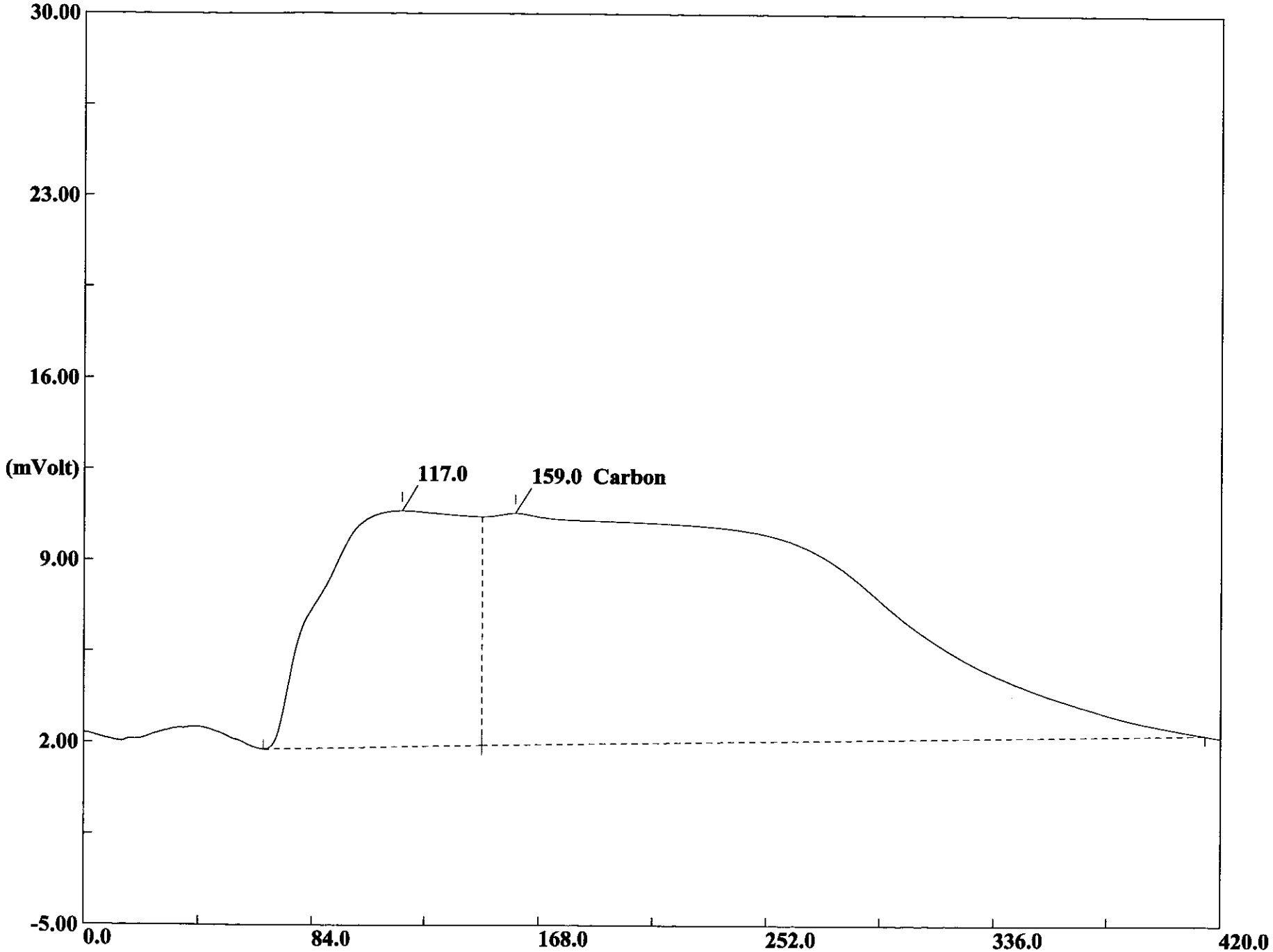
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4222

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110093.DAT

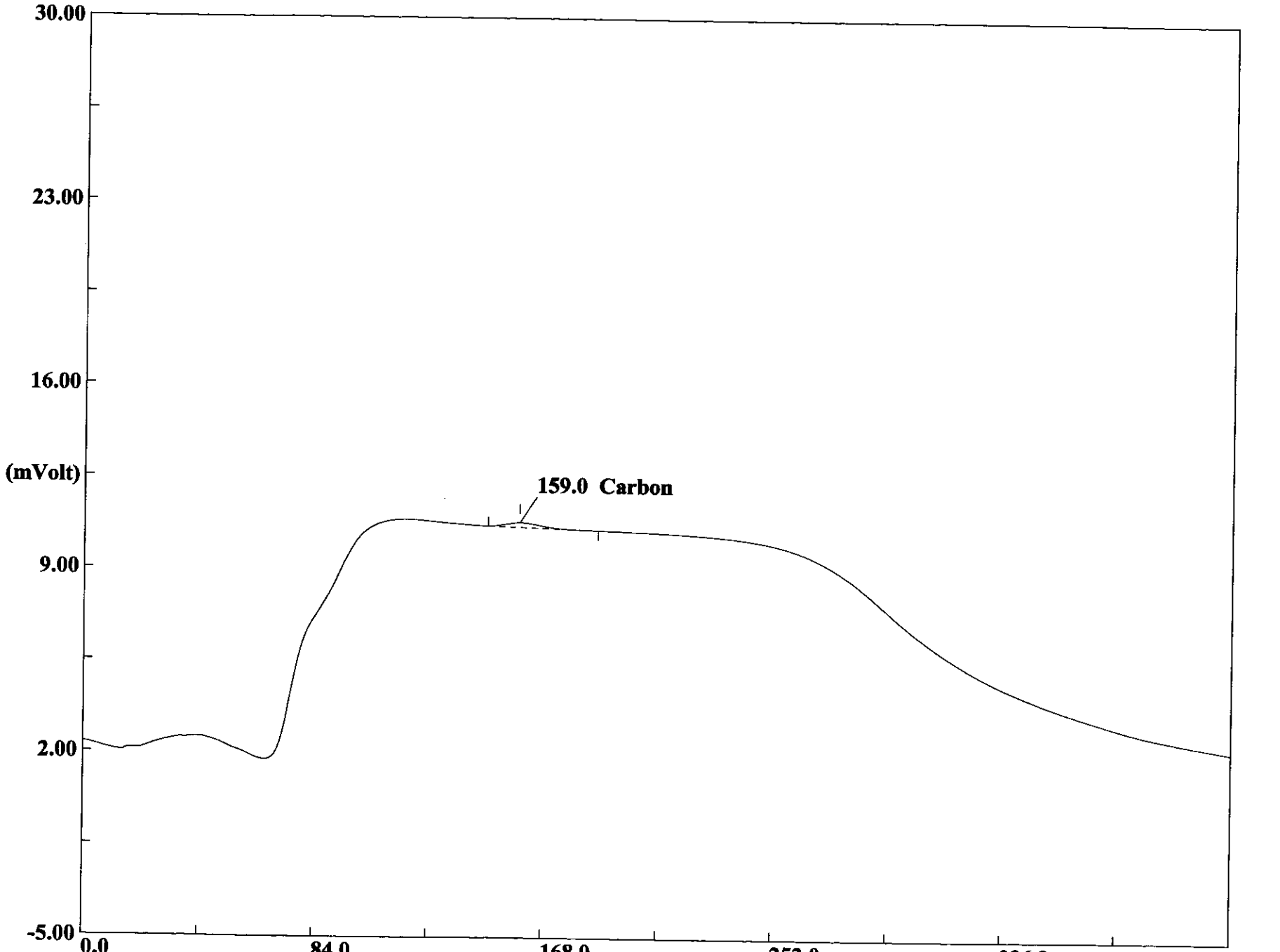
Sample name :l84r61a3 Analysed :11/01/2010 03:57

C0J210496

4223

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110093.DAT

Sample name :l84r61a3 Analysed :11/01/2010 03:57

Eager 300 Report

 Sample: 184r61a3 (A103110093)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110093
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 03:57
Printed : 11/1/2010 08:03
Sample ID : 184r61a3 (# 68)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 21.8

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0341	159	24404	mi	1.000000	

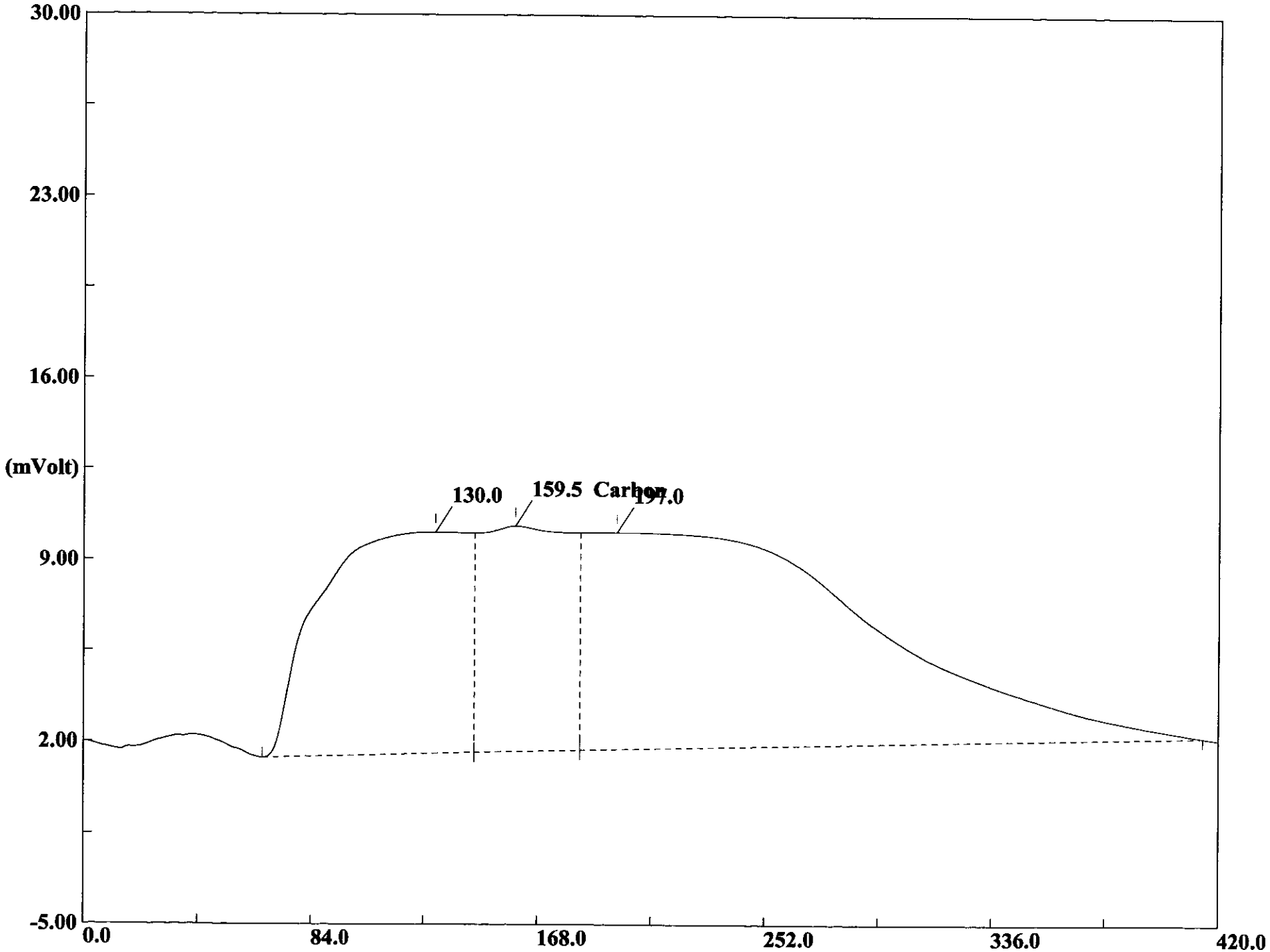
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4225

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110094.DAT

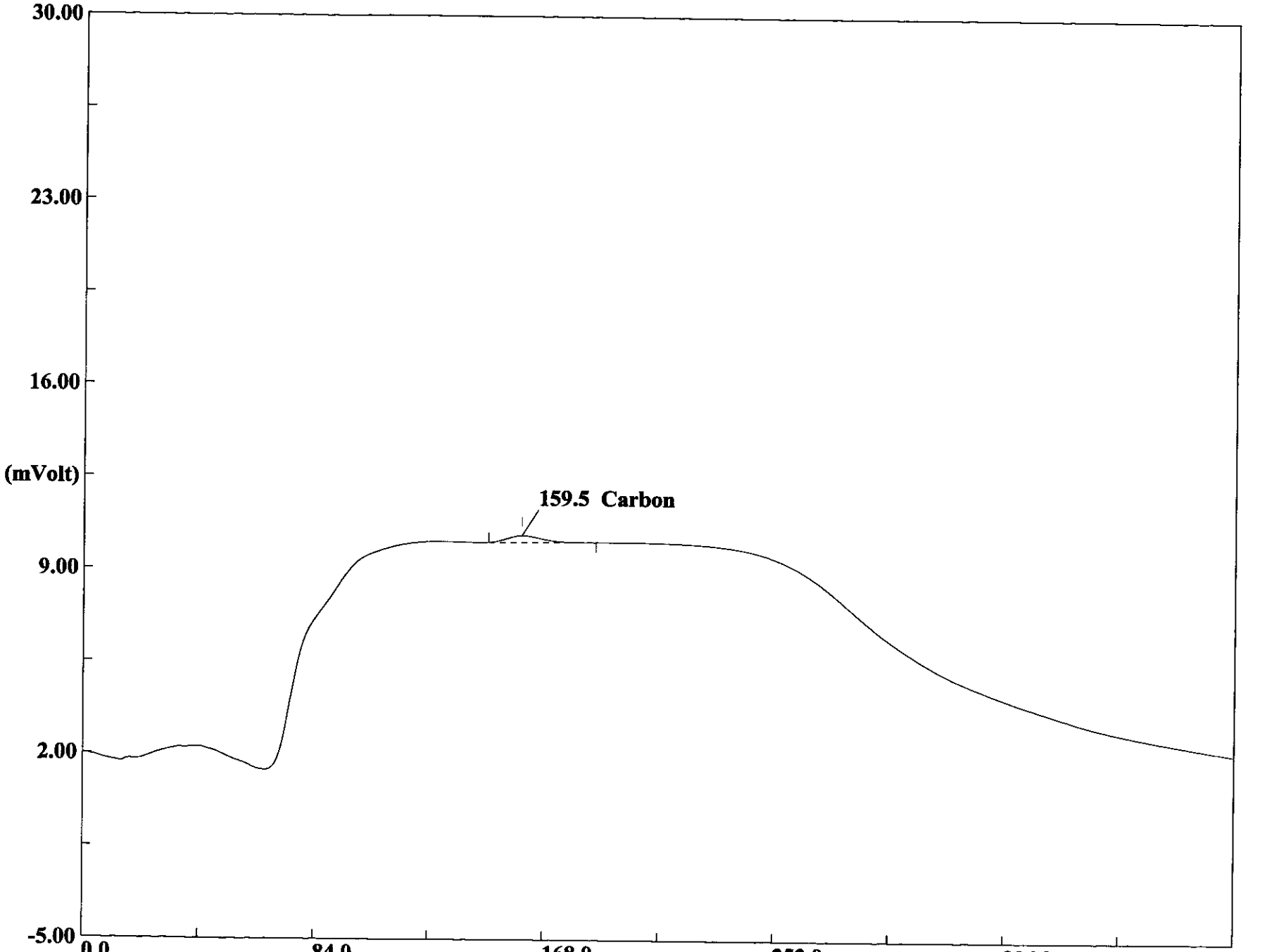
Sample name :l84r61a3 Analysed :11/01/2010 04:04

C0J210496

4226

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110094.DAT

Sample name :l84r61a3 Analysed :11/01/2010 04:04

Eager 300 Report

Page: 1 Sample: l84r61a3 (A103110094)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110094
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 04:04 Printed : 11/1/2010 08:03
Sample ID : l84r61a3 (# 69) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20.6

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0650	160	37061	mi	1.000000	

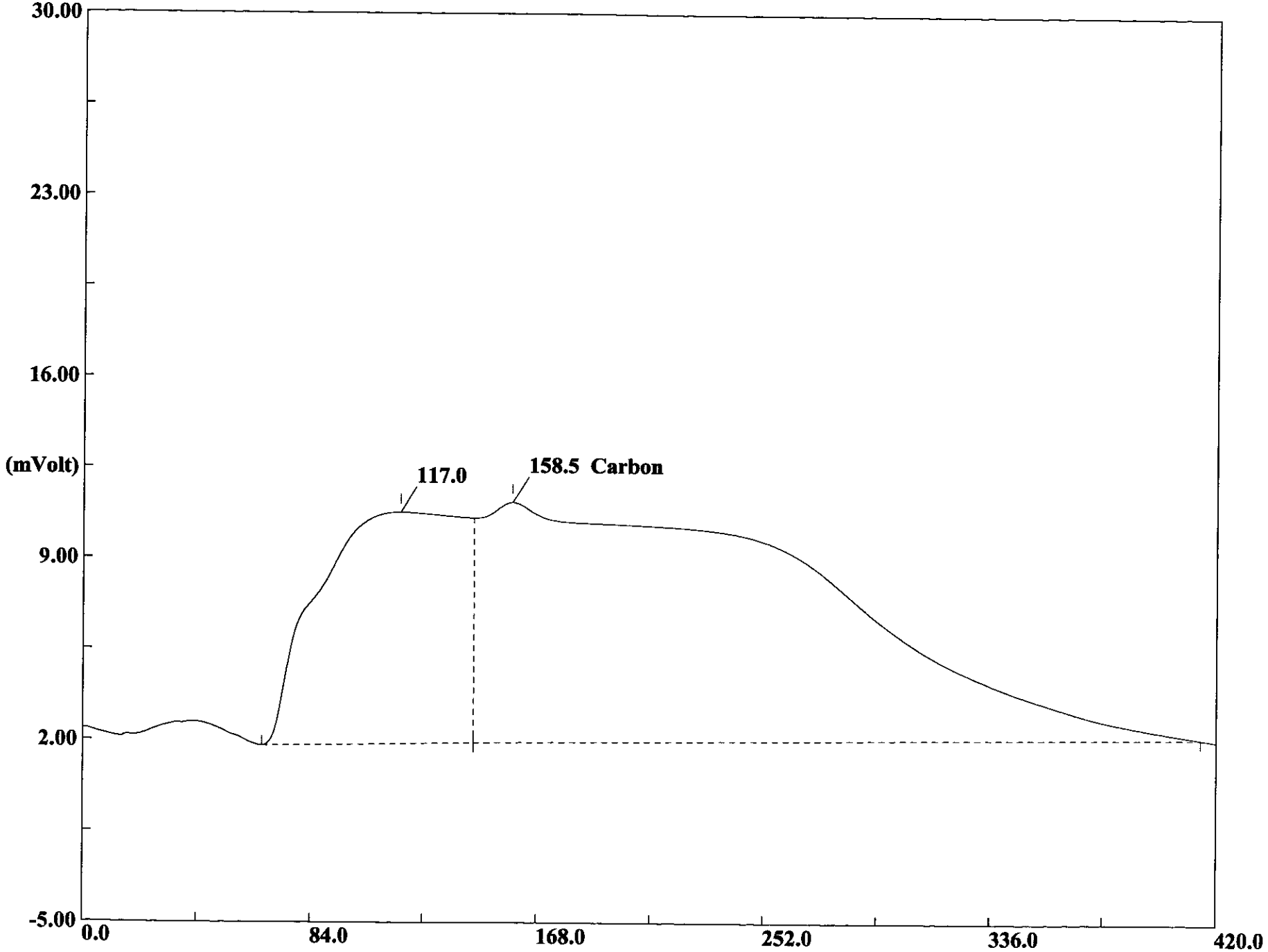
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4228

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110097.DAT

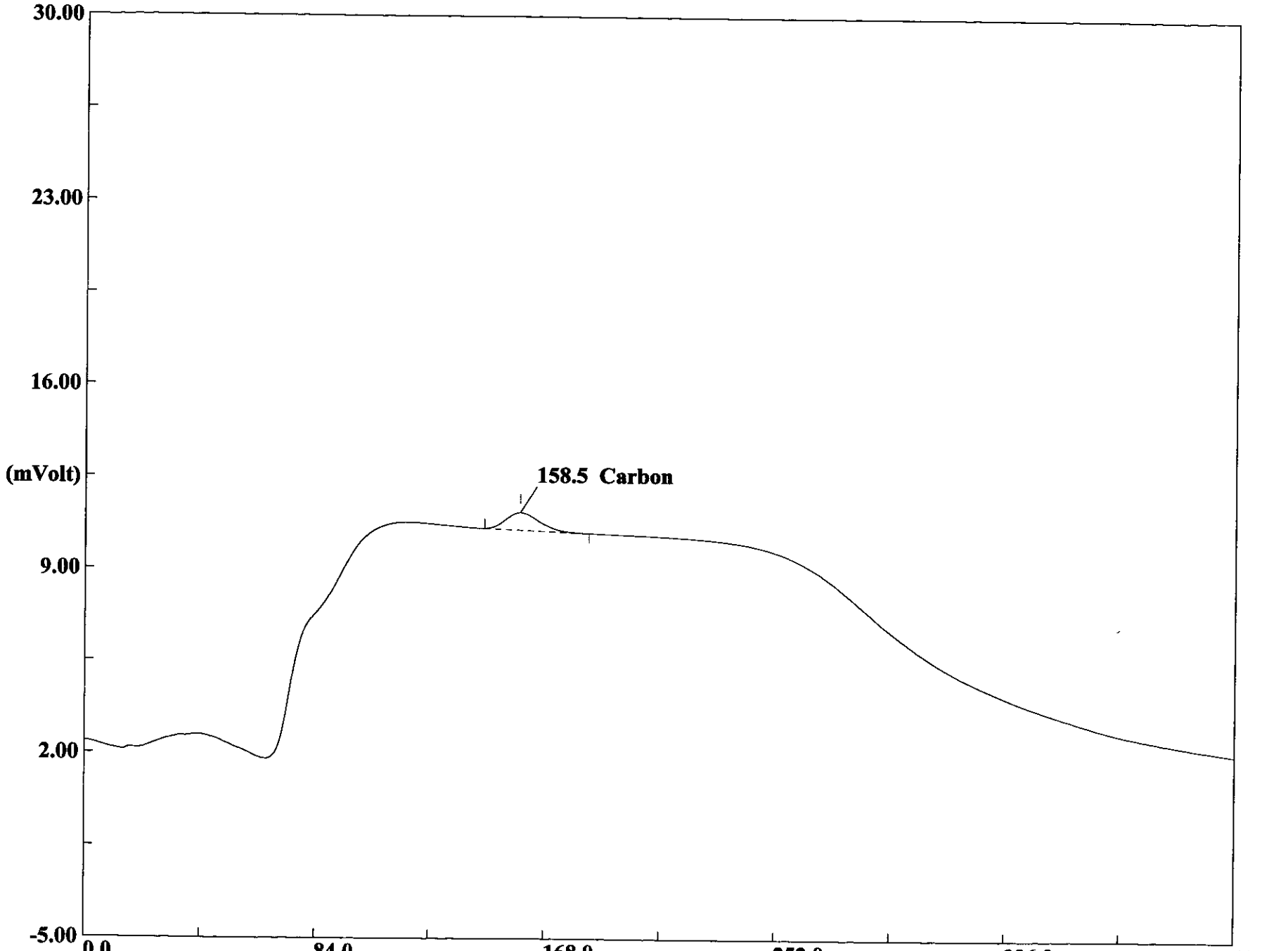
Sample name :l84r81a3 Analysed :11/01/2010 04:26

C0J210496

4229

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110097.DAT

Sample name :l84r81a3 Analysed :11/01/2010 04:26

Eager 300 Report

 Sample: 184r81a3 (A103110097)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110097
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 04:26
Printed : 11/1/2010 08:03
Sample ID : 184r81a3 (# 70)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 22

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1806	159	93016	mi	1.000000	

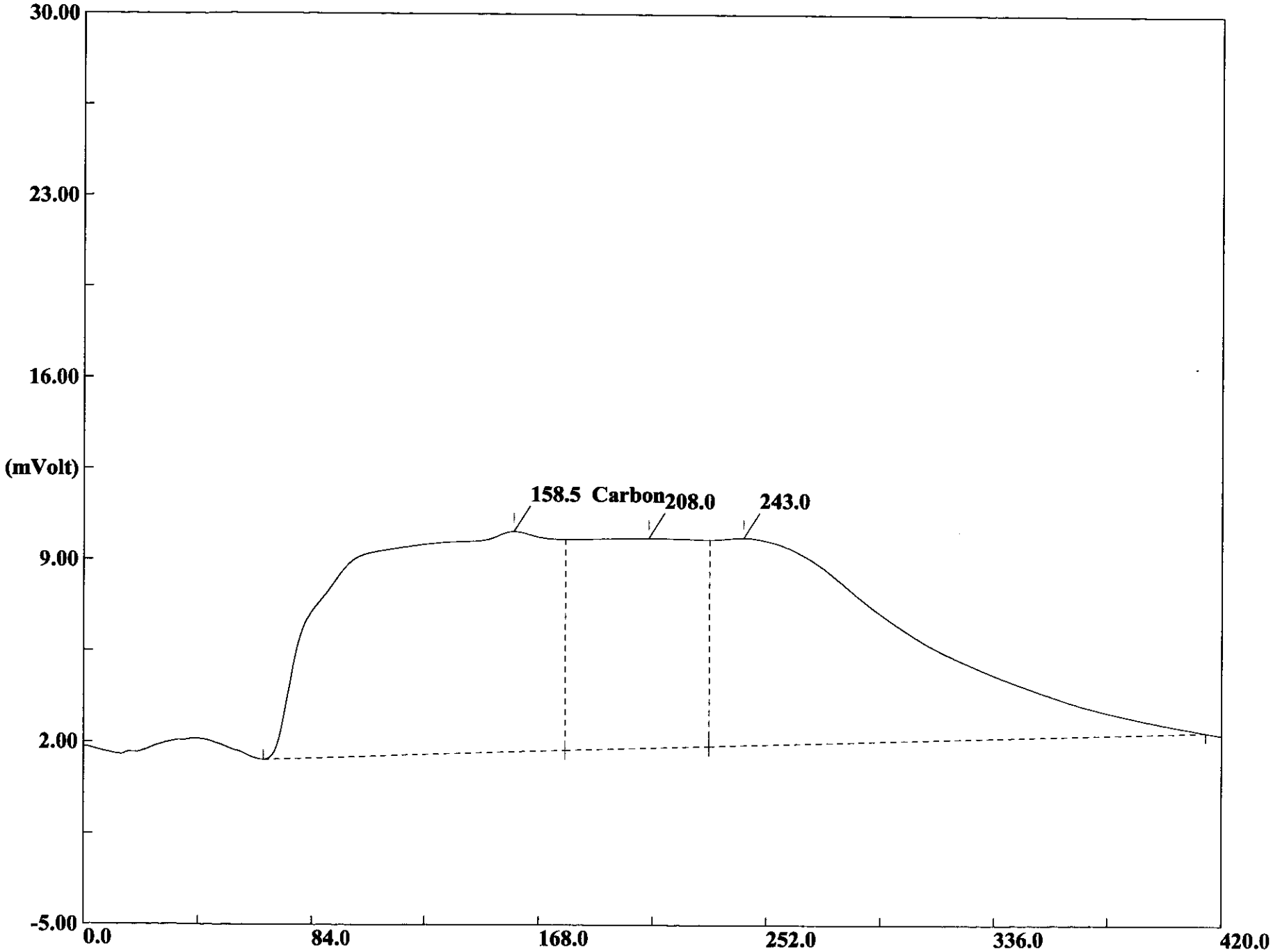
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4231

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110098.DAT

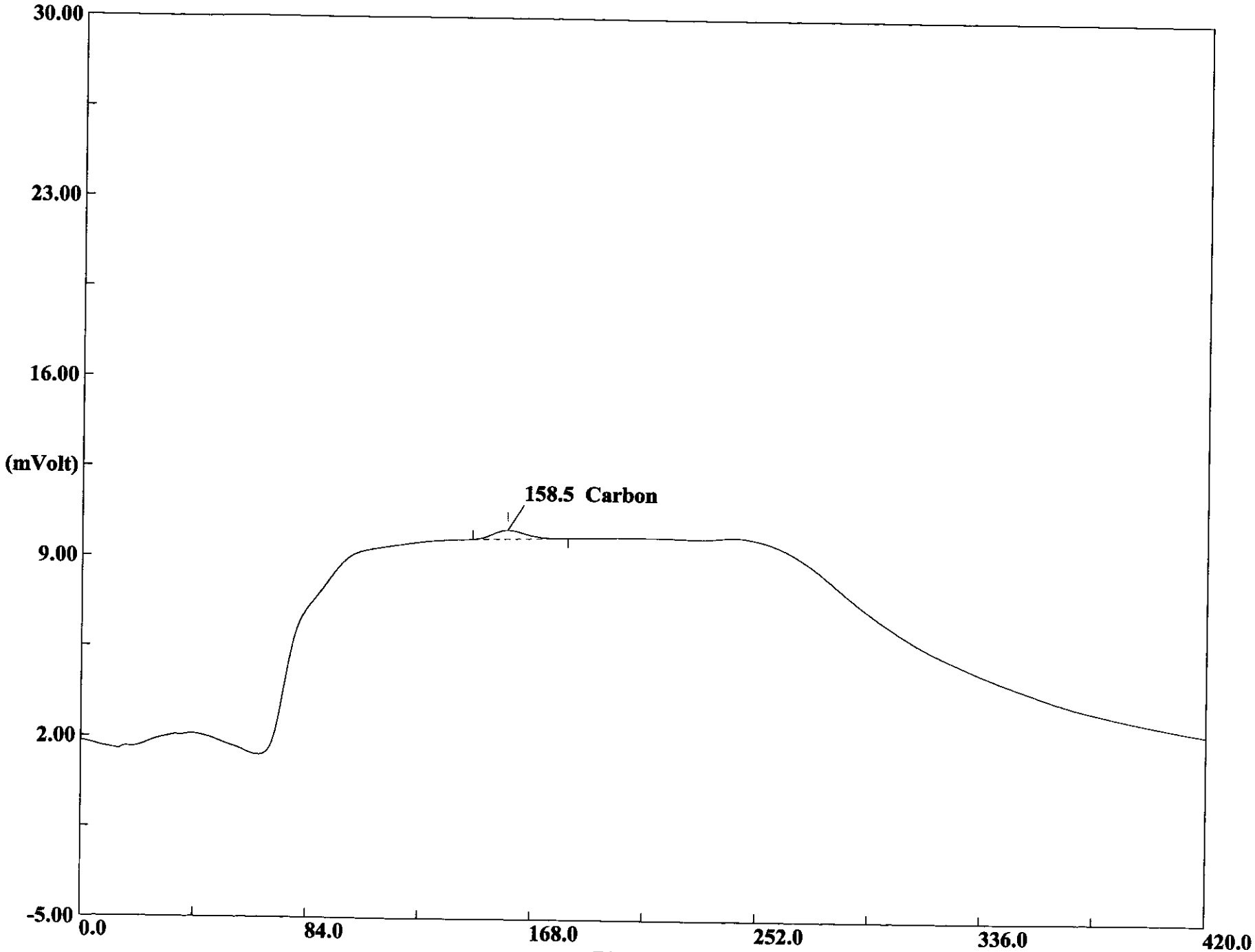
Sample name :l84r81a3 Analysed :11/01/2010 04:33

C0J210496

4232

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110098.DAT

Sample name :l84r81a3 Analysed :11/01/2010 04:33

Eager 300 Report

Page: 1 Sample: 184r81a3 (A103110098)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110098
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 04:33 Printed : 11/1/2010 08:03
Sample ID : 184r81a3 (# 71) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20.2

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0901	159	47278	mi	1.000000	

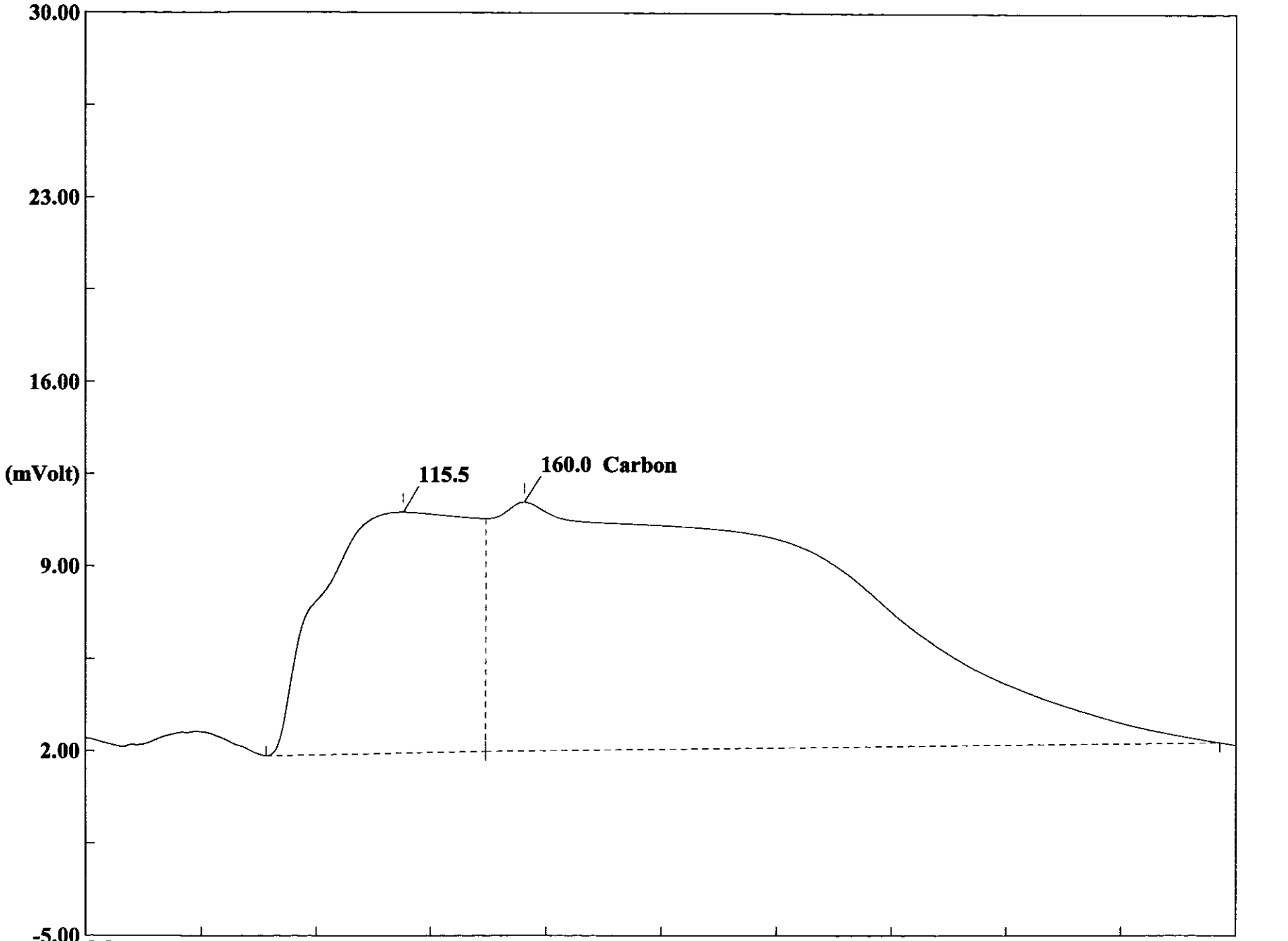
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4234

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110101.DAT

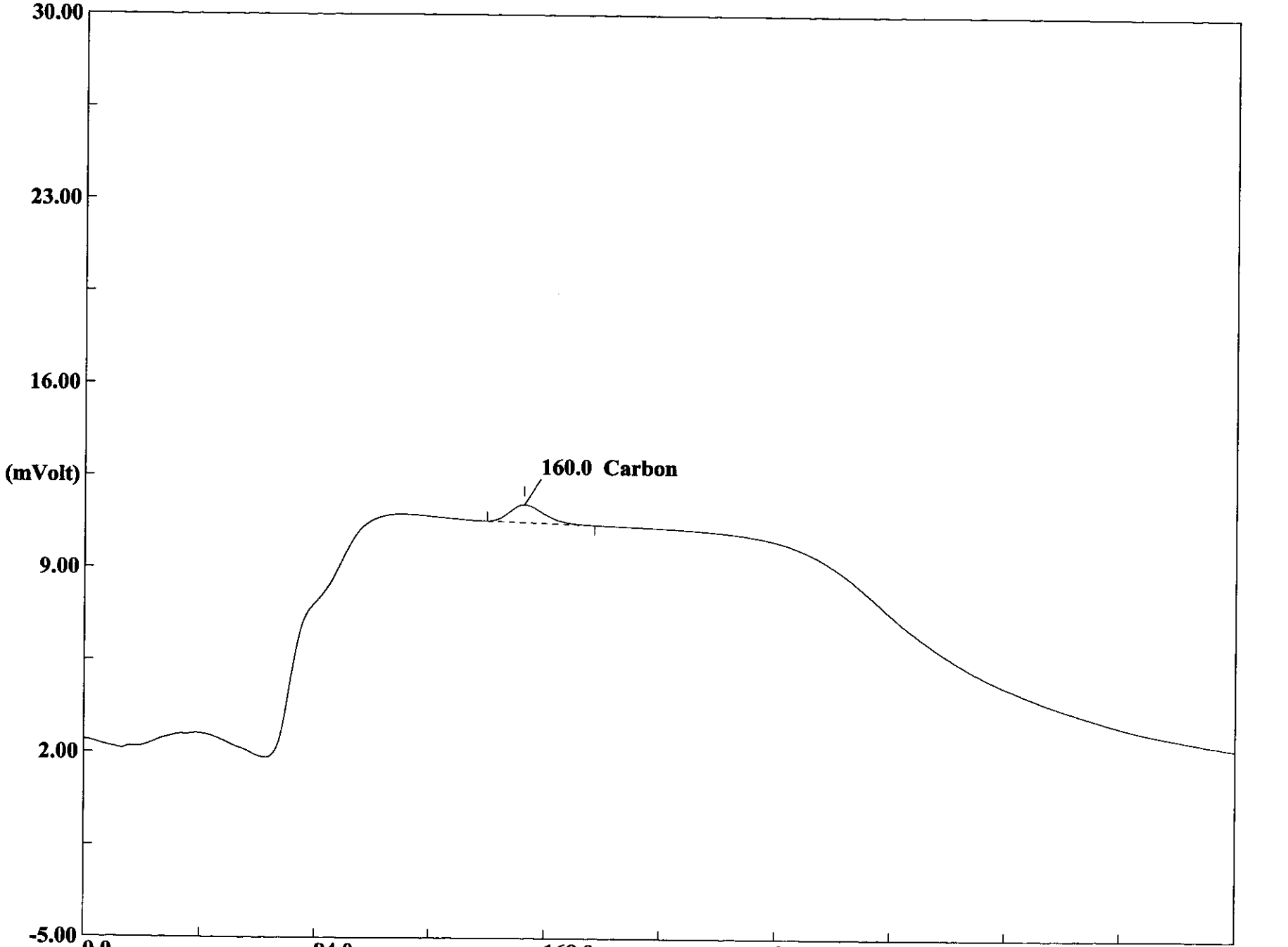
Sample name :l84r81a3 Analysed :11/01/2010 04:55

C0J210496

4235

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110101.DAT

Sample name :l84r81a3 Analysed :11/01/2010 04:55

Eager 300 Report

 Sample: 184r81a3 (A103110101)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110101
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 04:55 Printed : 11/1/2010 08:03
Sample ID : 184r81a3 (# 72) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 21.6

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1943	160	97772	mi	1.000000	

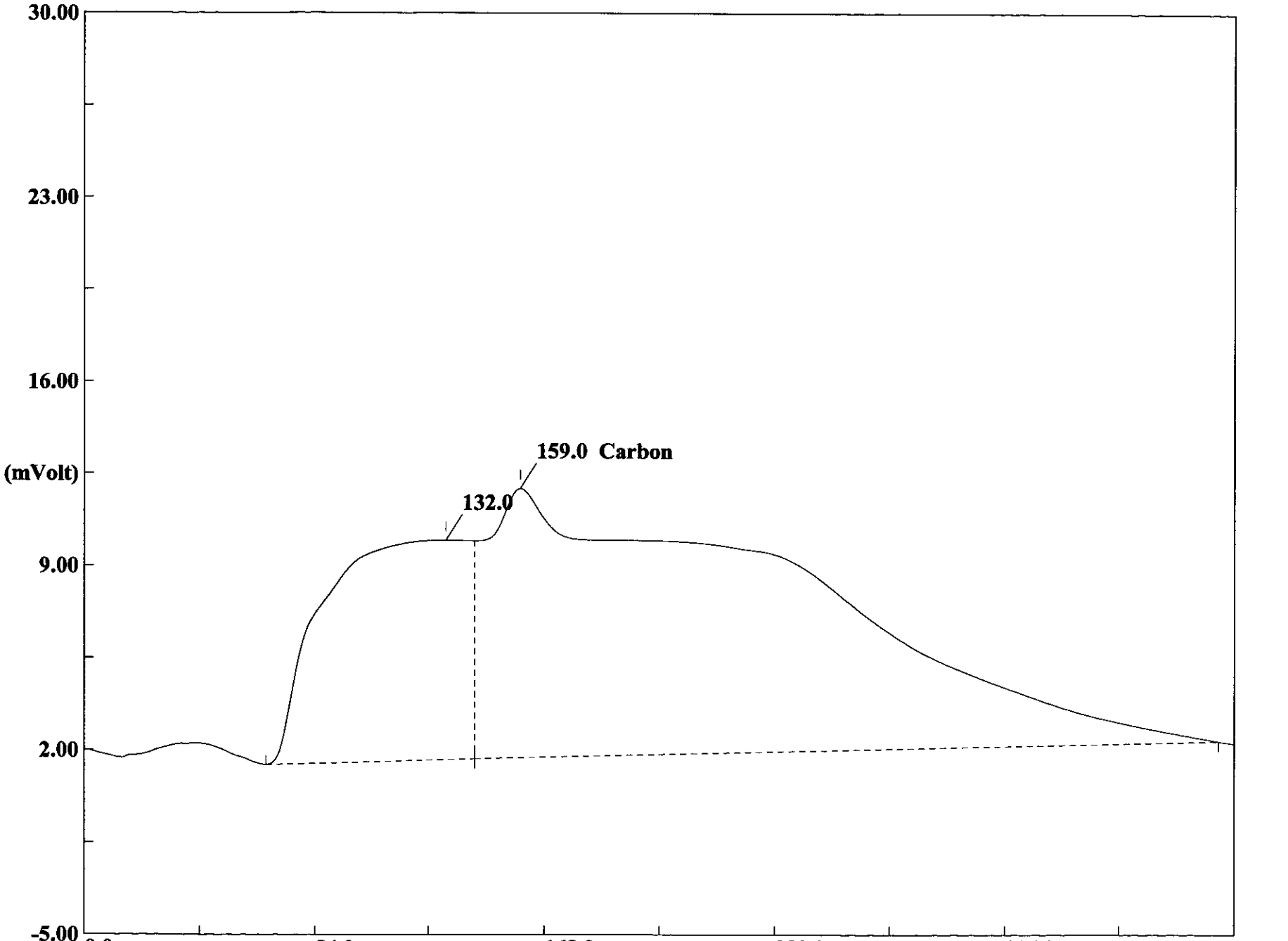
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4237

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110102.DAT

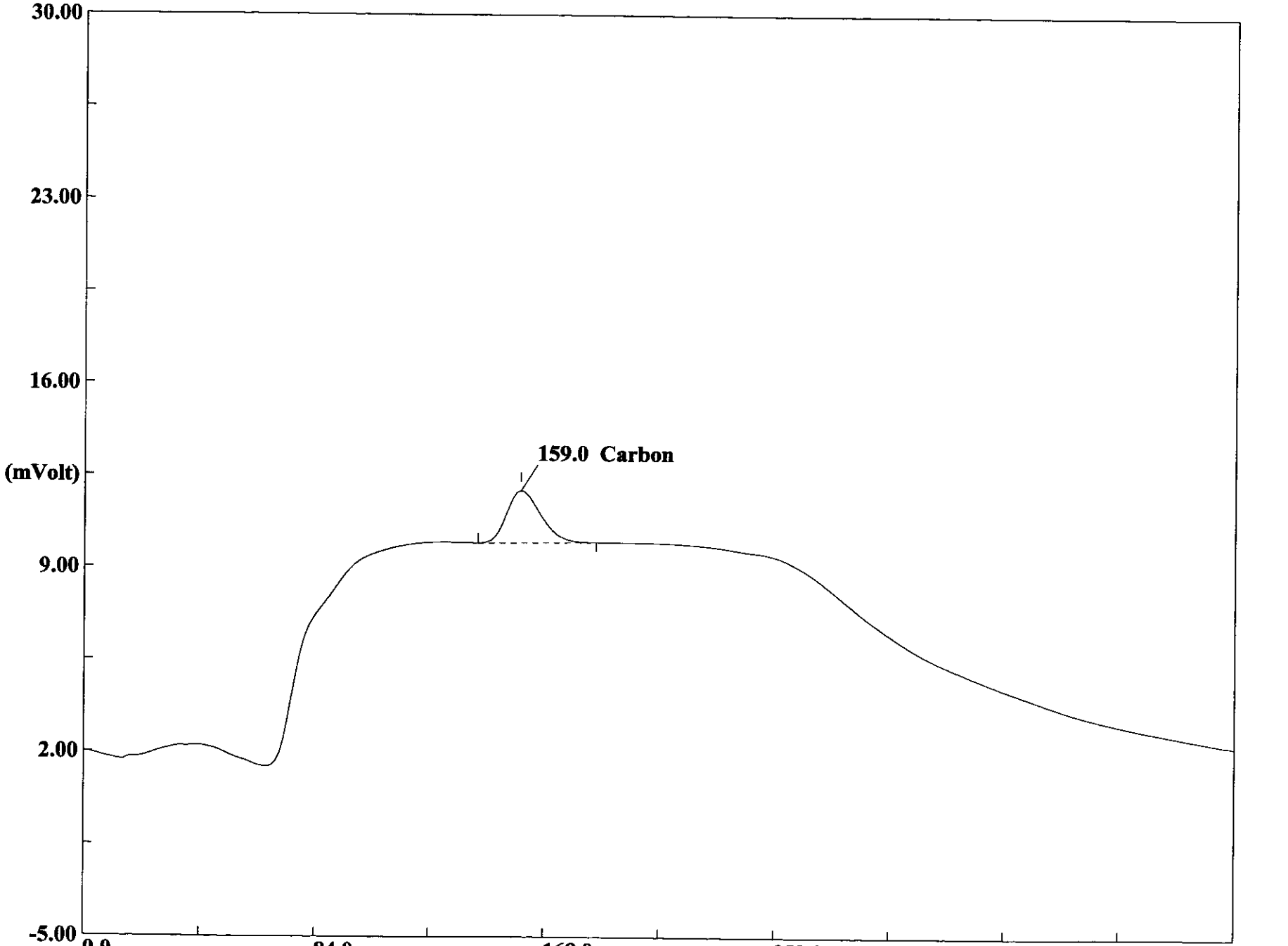
Sample name :l84r81a3 Analysed :11/01/2010 05:02

C0J210496

4238

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110102.DAT

Sample name :l84r81a3 Analysed :11/01/2010 05:02

Eager 300 Report

Page: 1 Sample: 184r81a3 (A103110102)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110102
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 05:02
Printed : 11/1/2010 08:03
Sample ID : 184r81a3 (# 73)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 21.4

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.6019	159	282258	mi	1.000000	

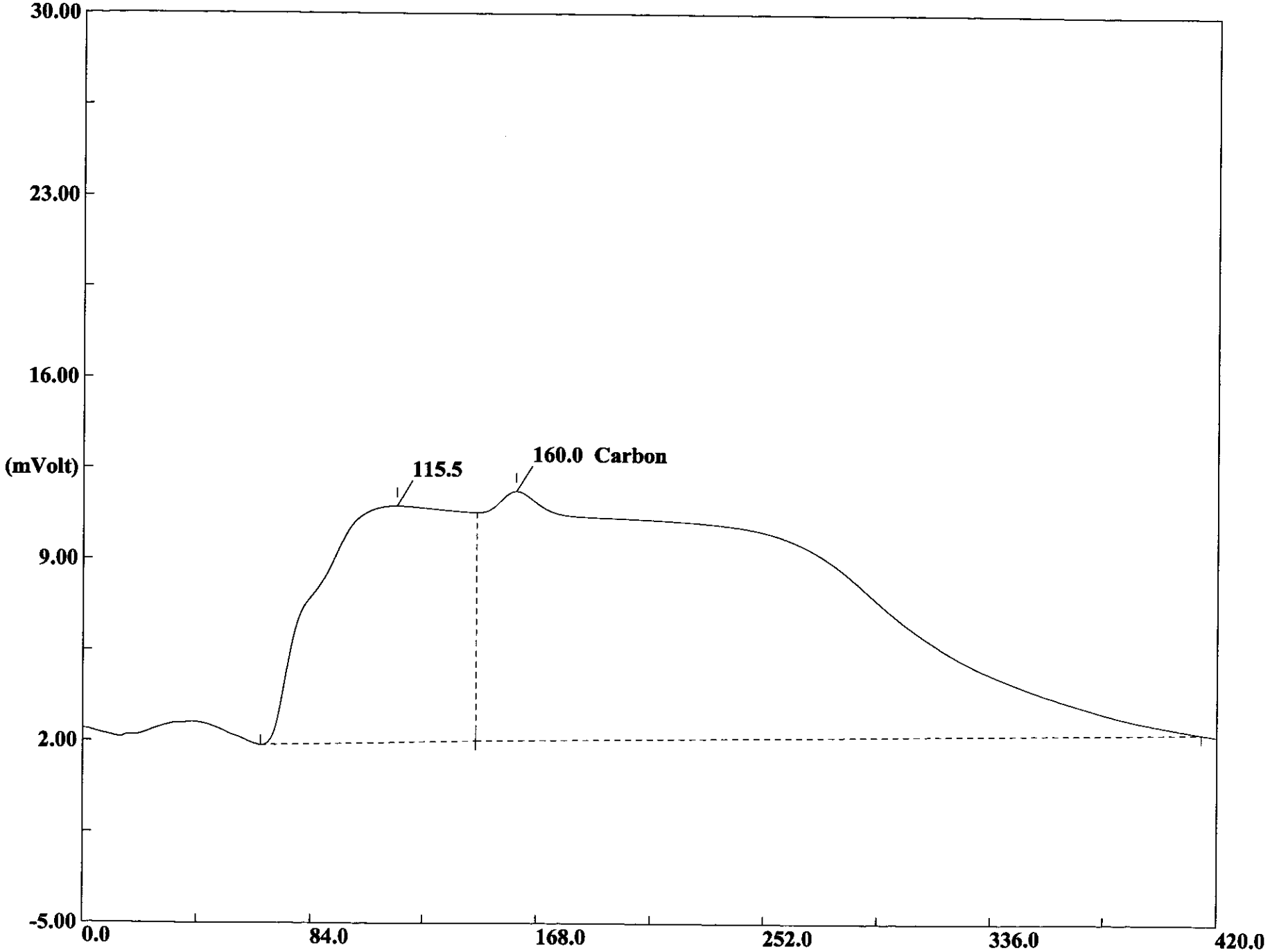
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4240

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110105.DAT

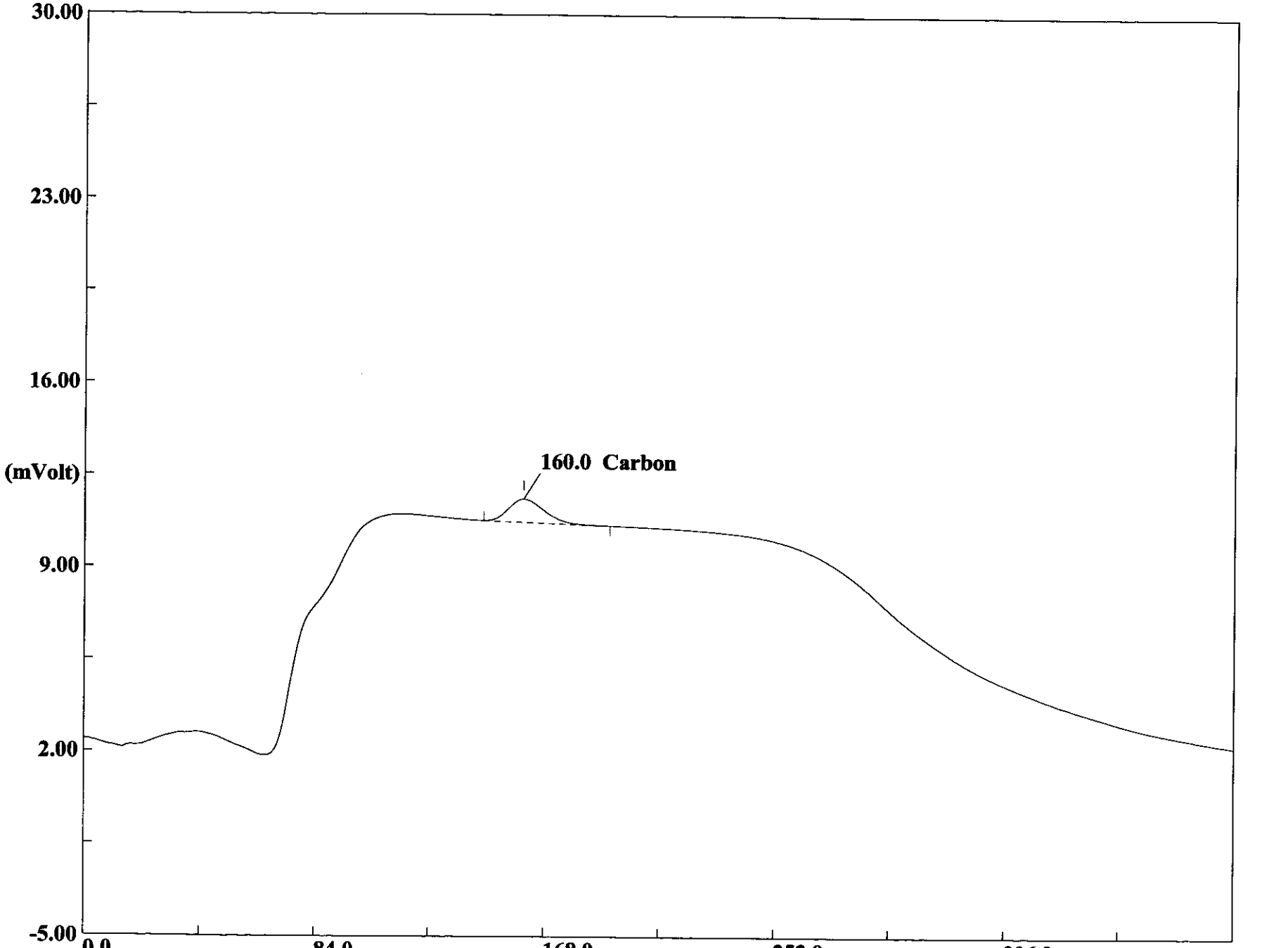
Sample name :l84r91a3 Analysed :11/01/2010 05:24

C0J210496

4241

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110105.DAT

Sample name :l84r91a3 Analysed :11/01/2010 05:24

Eager 300 Report

Page: 1 Sample: 184r91a3 (A103110105)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110105
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 05:24 Printed : 11/1/2010 08:03
Sample ID : 184r91a3 (# 74) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20.1

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.2878	160	131517	mi	1.000000	

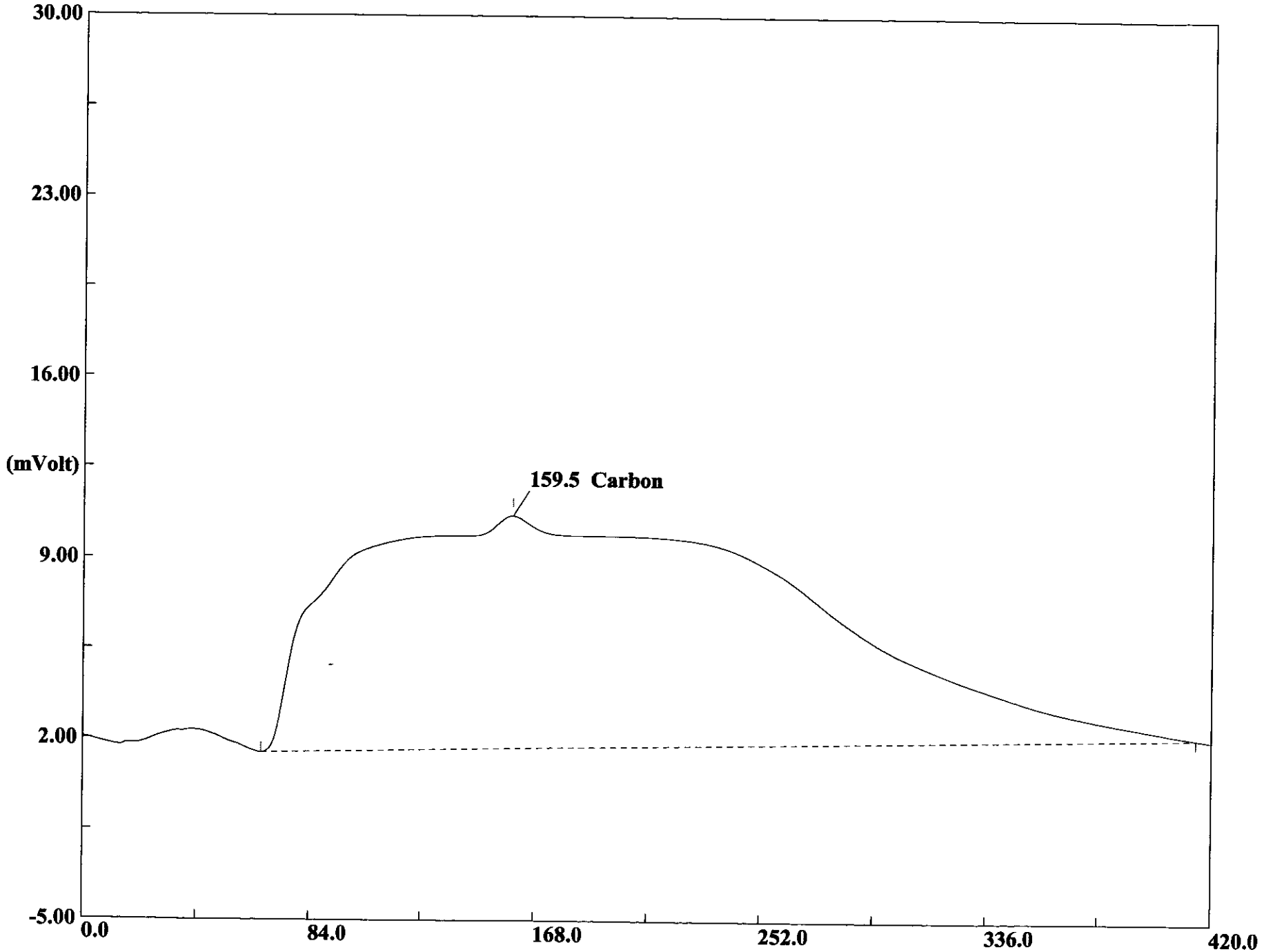
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4243

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110106.DAT

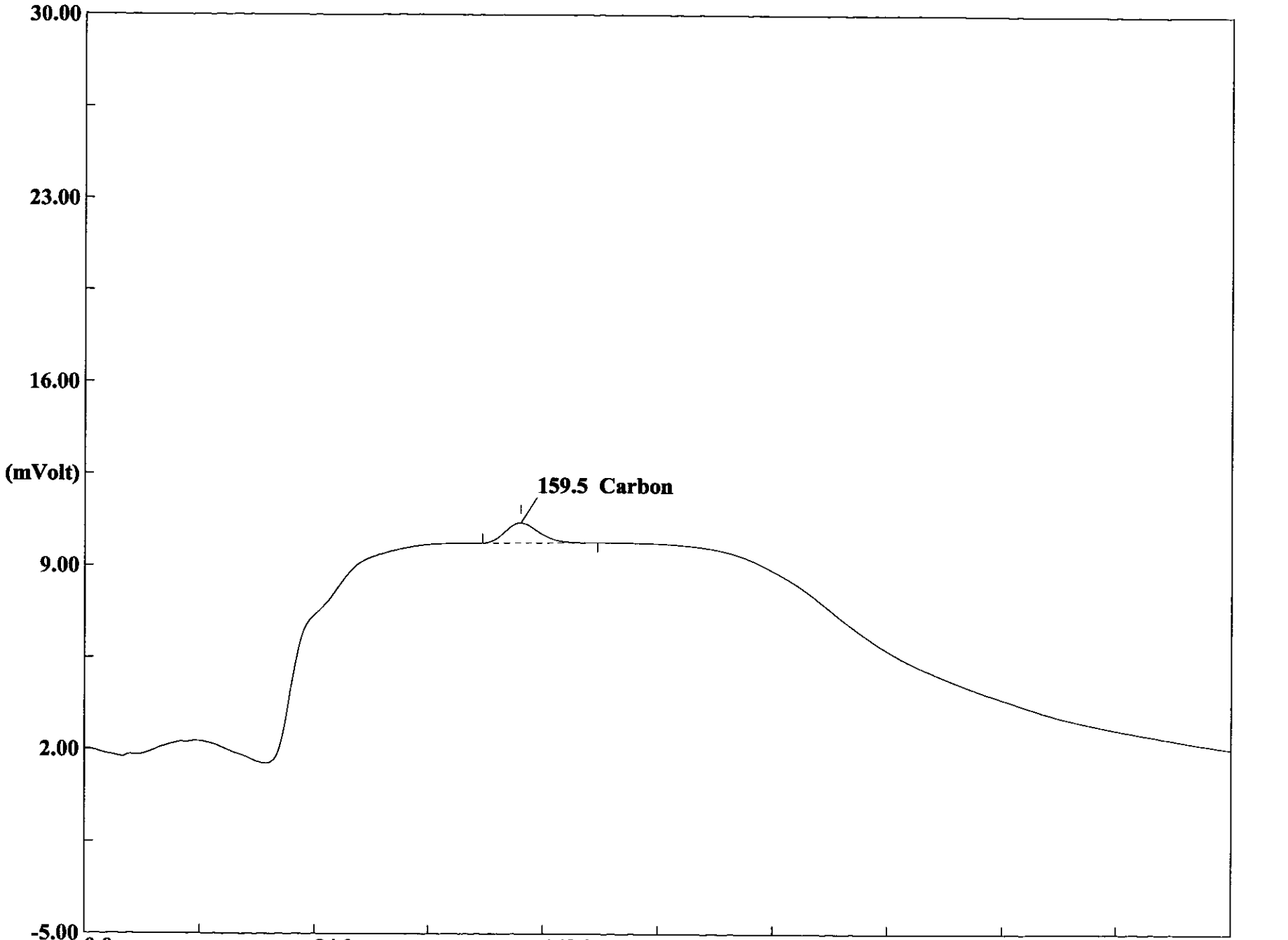
Sample name :l84r91a3 Analysed :11/01/2010 05:31

C0J210496

4244

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110106.DAT

Sample name :l84r91a3 Analysed :11/01/2010 05:31

Eager 300 Report

 Sample: 184r91a3 (A103110106)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110106
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 05:31
Printed : 11/1/2010 08:03
Sample ID : 184r91a3 (# 75)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 21.3

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.2208	160	108538	mi	1.000000	

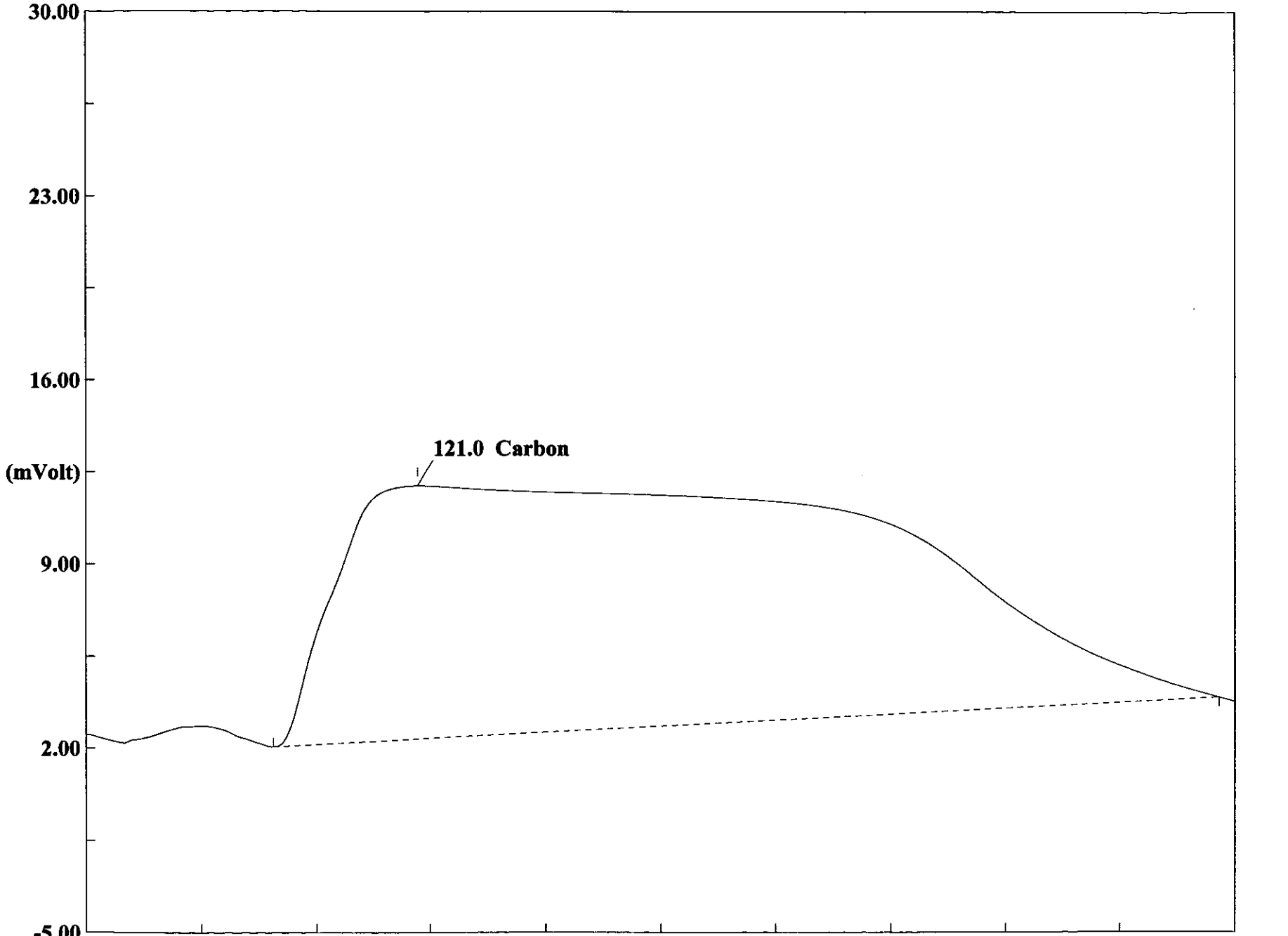
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4246

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110109.DAT

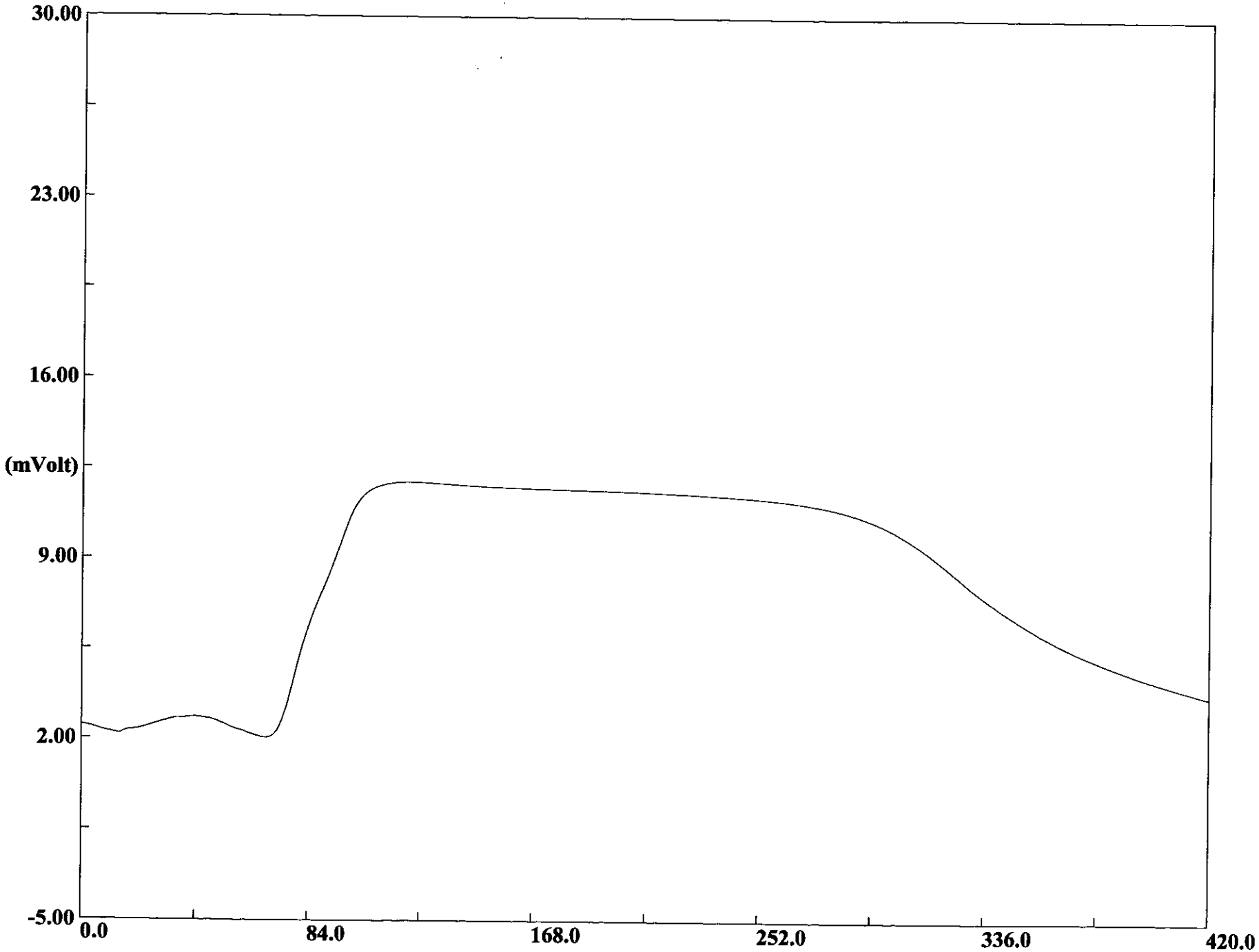
Sample name :ccb Analysed :11/01/2010 05:53

C0J210496

4247

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110109.DAT

Sample name :ccb Analysed :11/01/2010 05:53

Eager 300 Report

Page: 1 Sample: ccb (A103110109)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110109
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 05:53 Printed : 11/1/2010 08:03
Sample ID : ccb (# 76) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

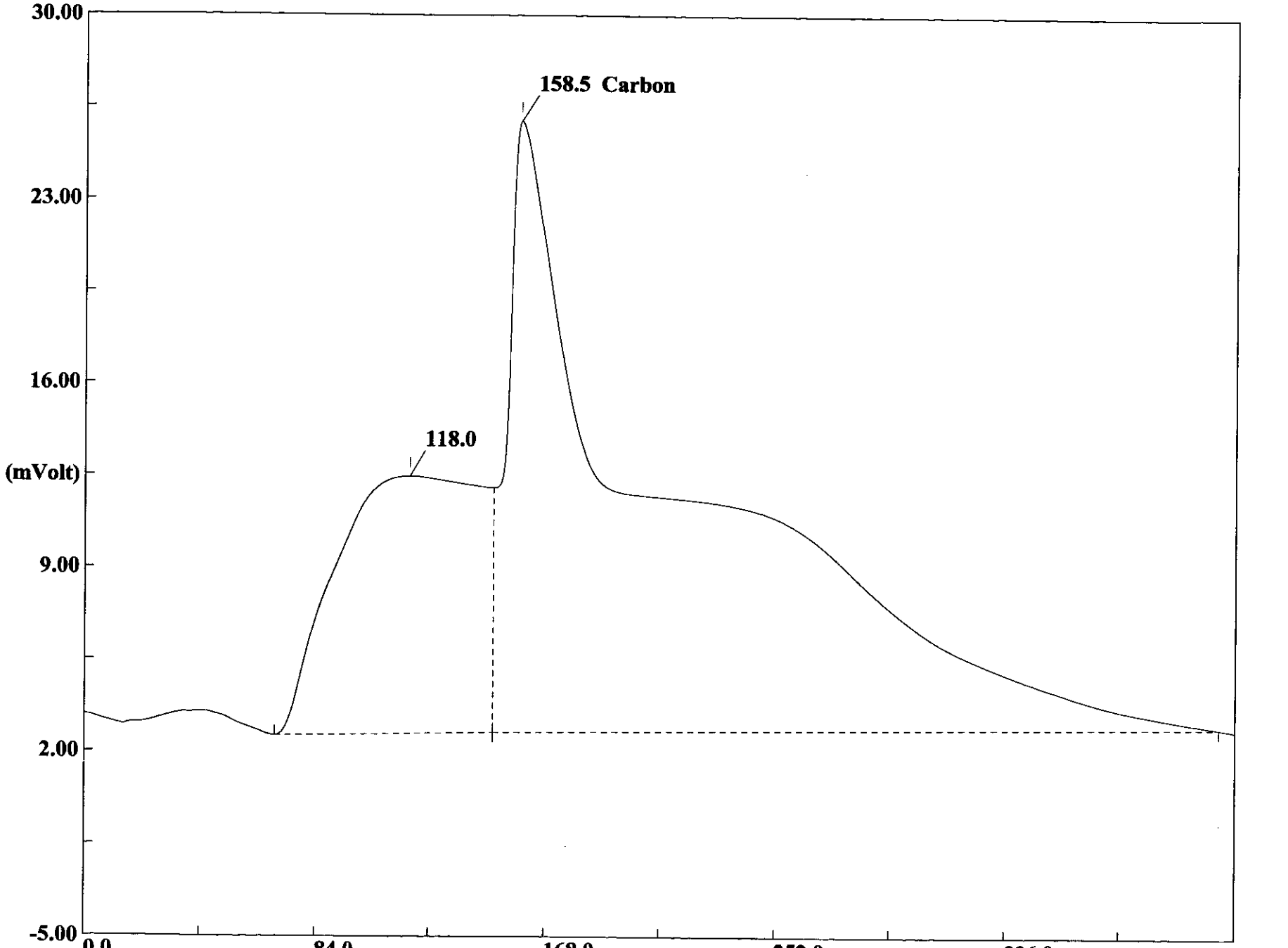
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4249

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110110.DAT

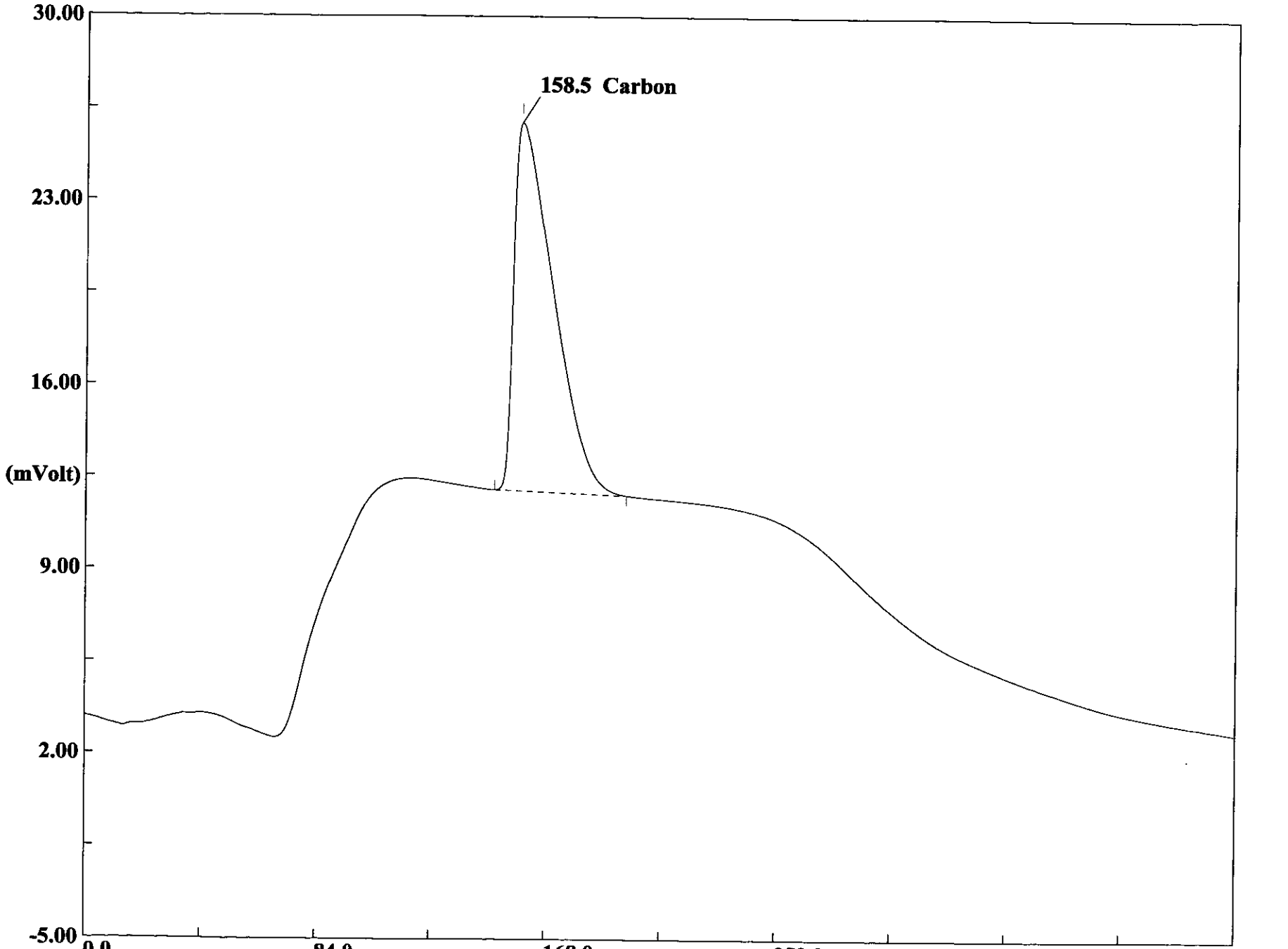
Sample name :ccv Analysed :11/01/2010 06:00

C0J210496

4250

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110110.DAT

Sample name :ccv Analysed :11/01/2010 06:00

Eager 300 Report

 Sample: ccv (A103110110)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110110
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 06:00
Printed : 11/1/2010 08:03
Sample ID : ccv (# 77)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.0917	159	2328251	mi	1.000000	

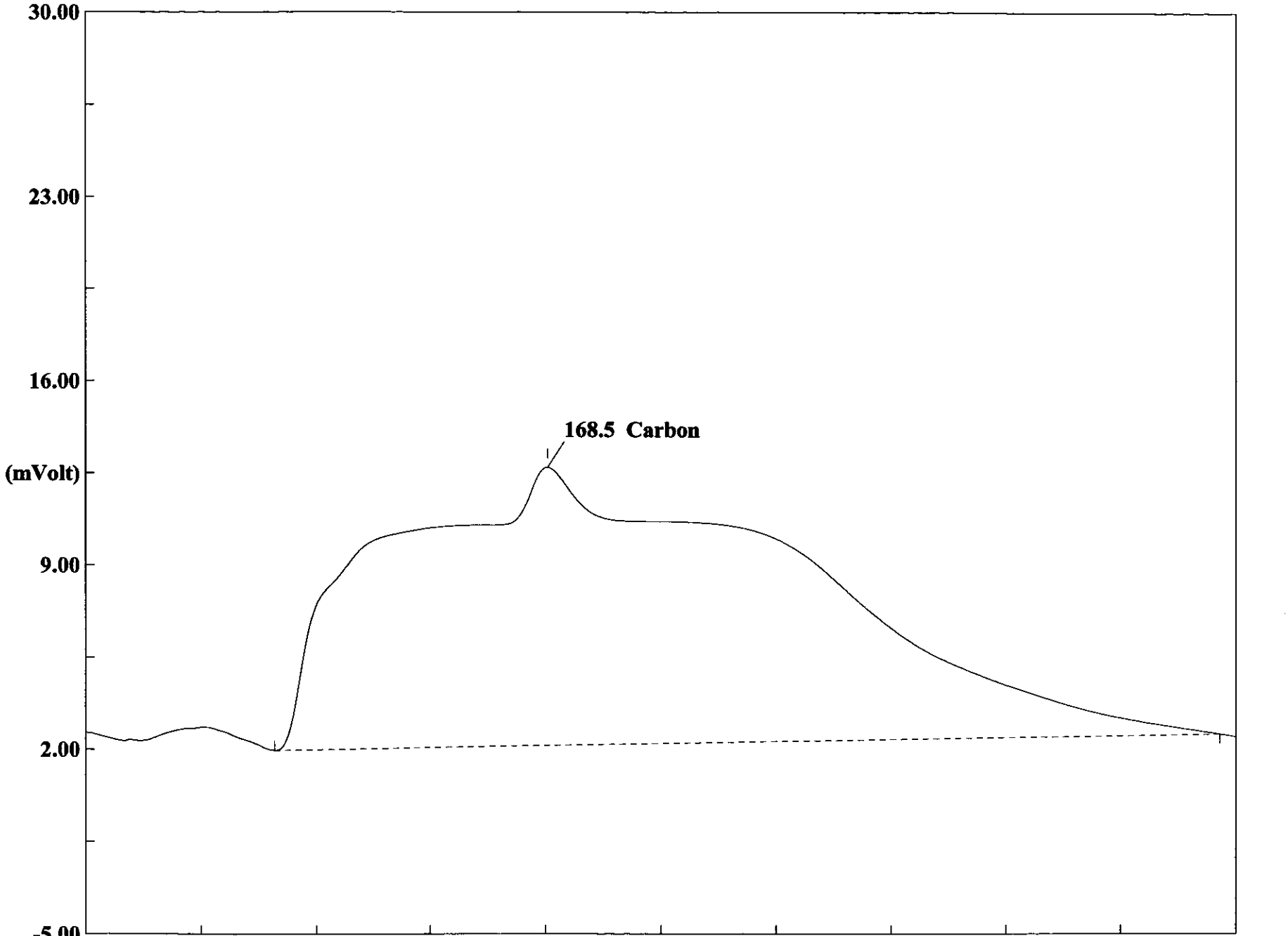
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4252

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110111.DAT

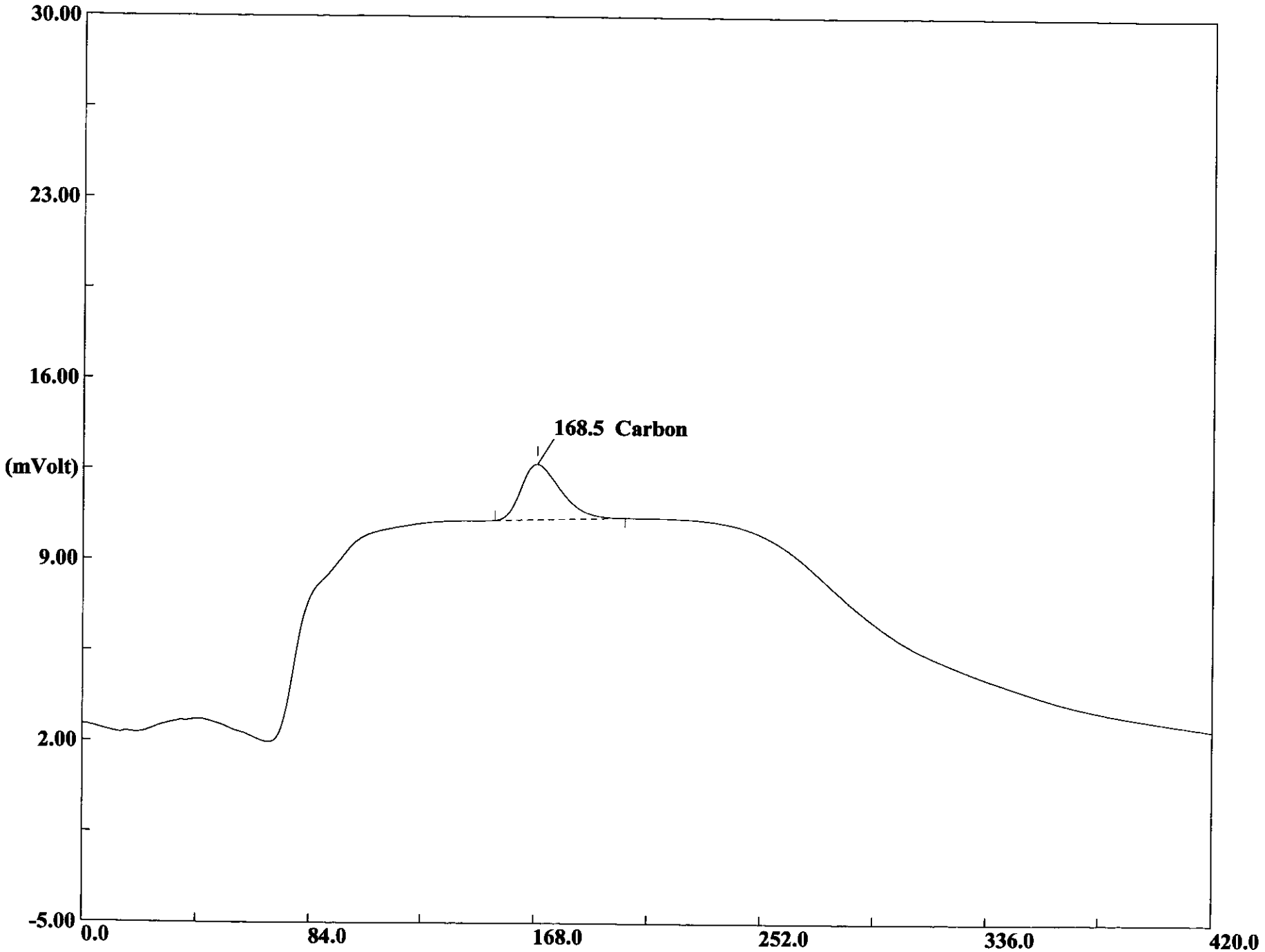
Sample name :l84r91a3 Analysed :11/01/2010 06:07

C0J210496

4253

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110111.DAT

Sample name :l84r91a3 Analysed :11/01/2010 06:07

Eager 300 Report

Page: 1 Sample: 184r91a3 (A103110111)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110111
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 06:07 Printed : 11/1/2010 08:03
Sample ID : 184r91a3 (# 78) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 19.7

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8495	169	364172	mi	1.000000	

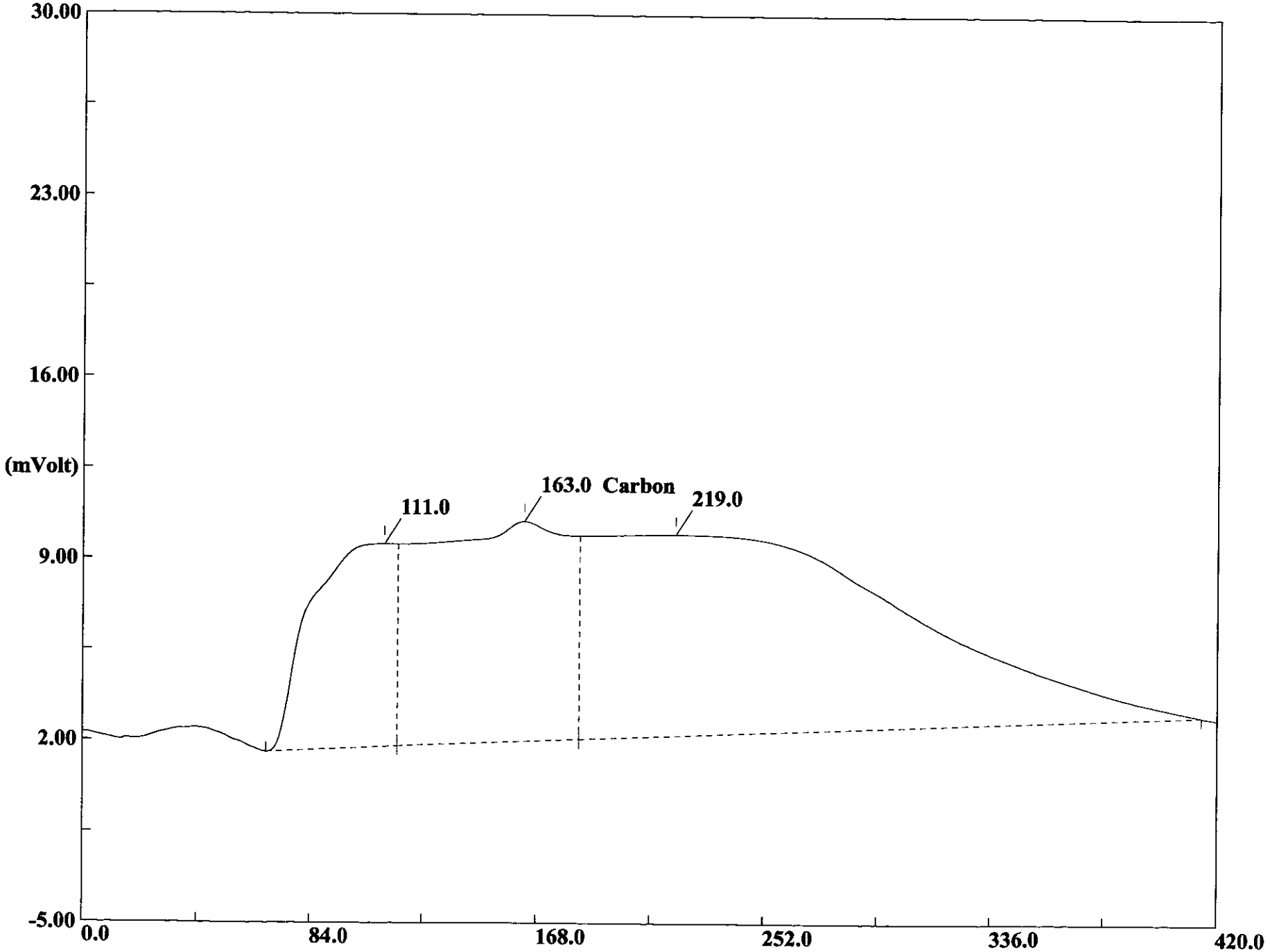
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4255

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110112.DAT

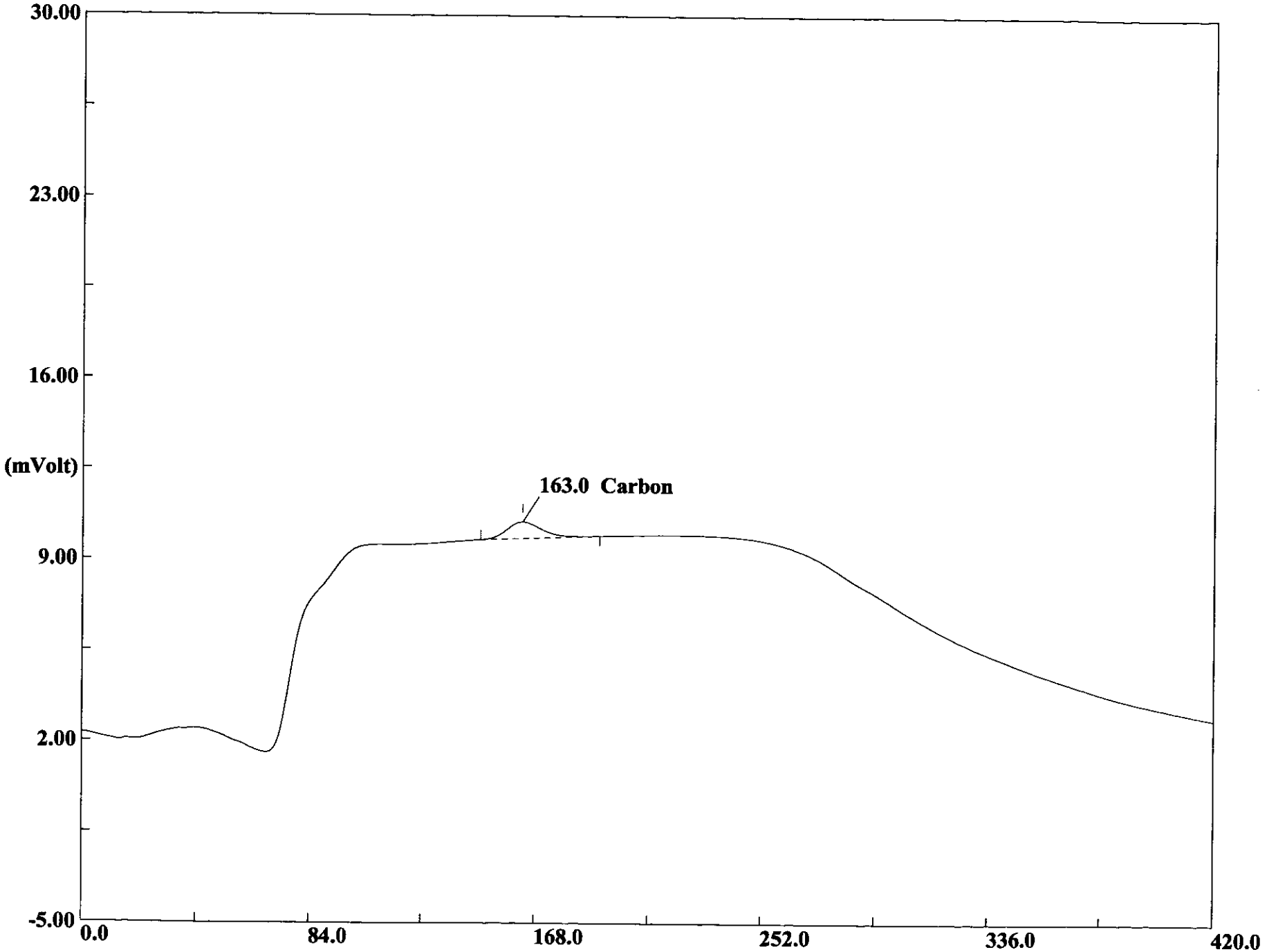
Sample name :l84r91a3 Analysed :11/01/2010 06:14

C0J210496

4256

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110112.DAT

Sample name :l84r91a3 Analysed :11/01/2010 06:14

Eager 300 Report

 Sample: 184r91a3 (A103110112)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110112
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 06:14 Printed : 11/1/2010 08:03
Sample ID : 184r91a3 (# 79) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20.9

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1941	163	94781	mi	1.000000	

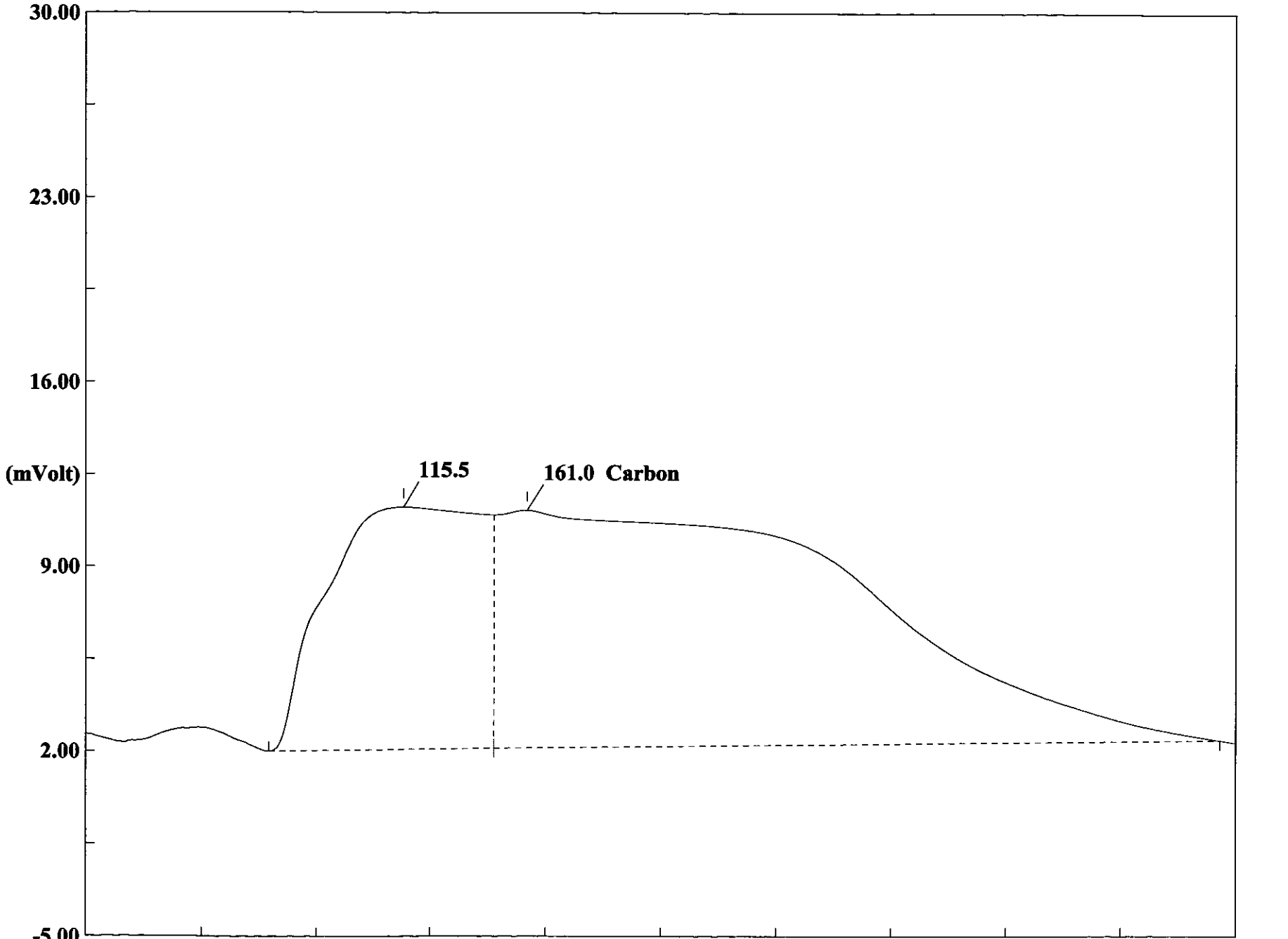
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4258

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110115.DAT

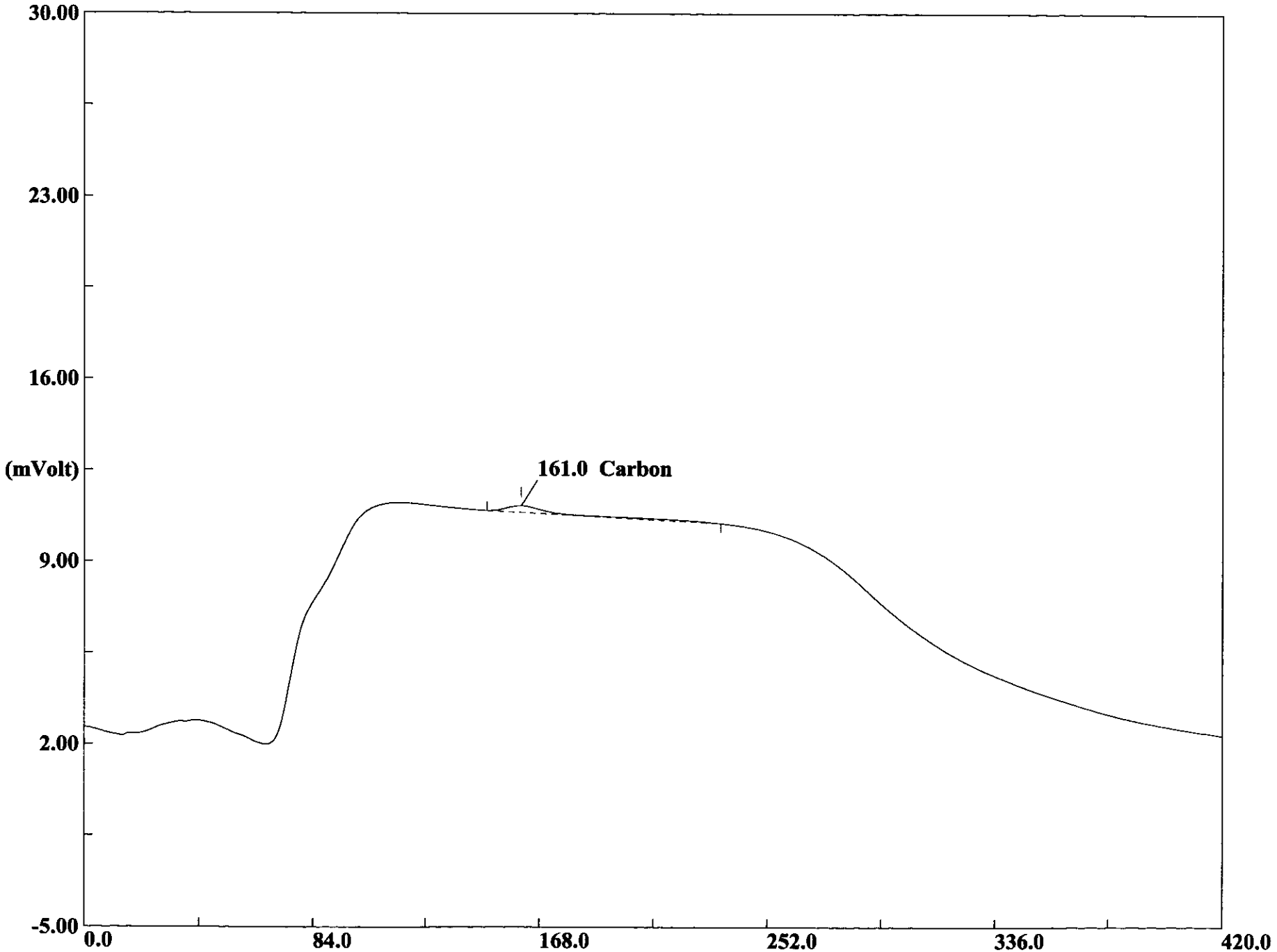
Sample name :l84ta1a3 Analysed :11/01/2010 06:36

C0J210496

4259

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110115.DAT

Sample name :l84ta1a3 Analysed :11/01/2010 06:36

Eager 300 Report

 Sample: 184ta1a3 (A103110115)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110115
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 06:36
Printed : 11/1/2010 08:03
Sample ID : 184ta1a3 (# 80)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 21.1

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0919	161	49779	mi	1.000000	

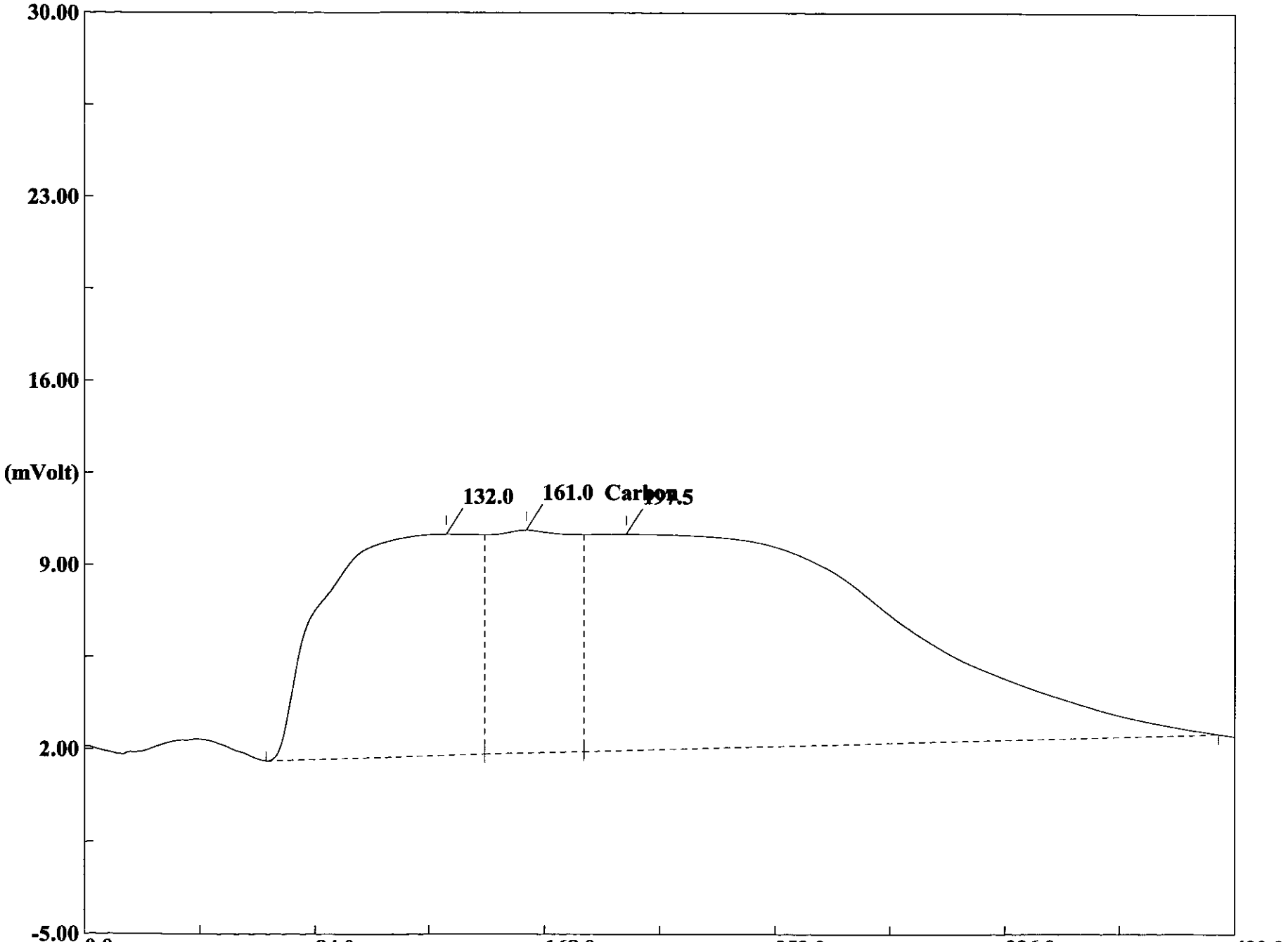
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4261

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110116.DAT

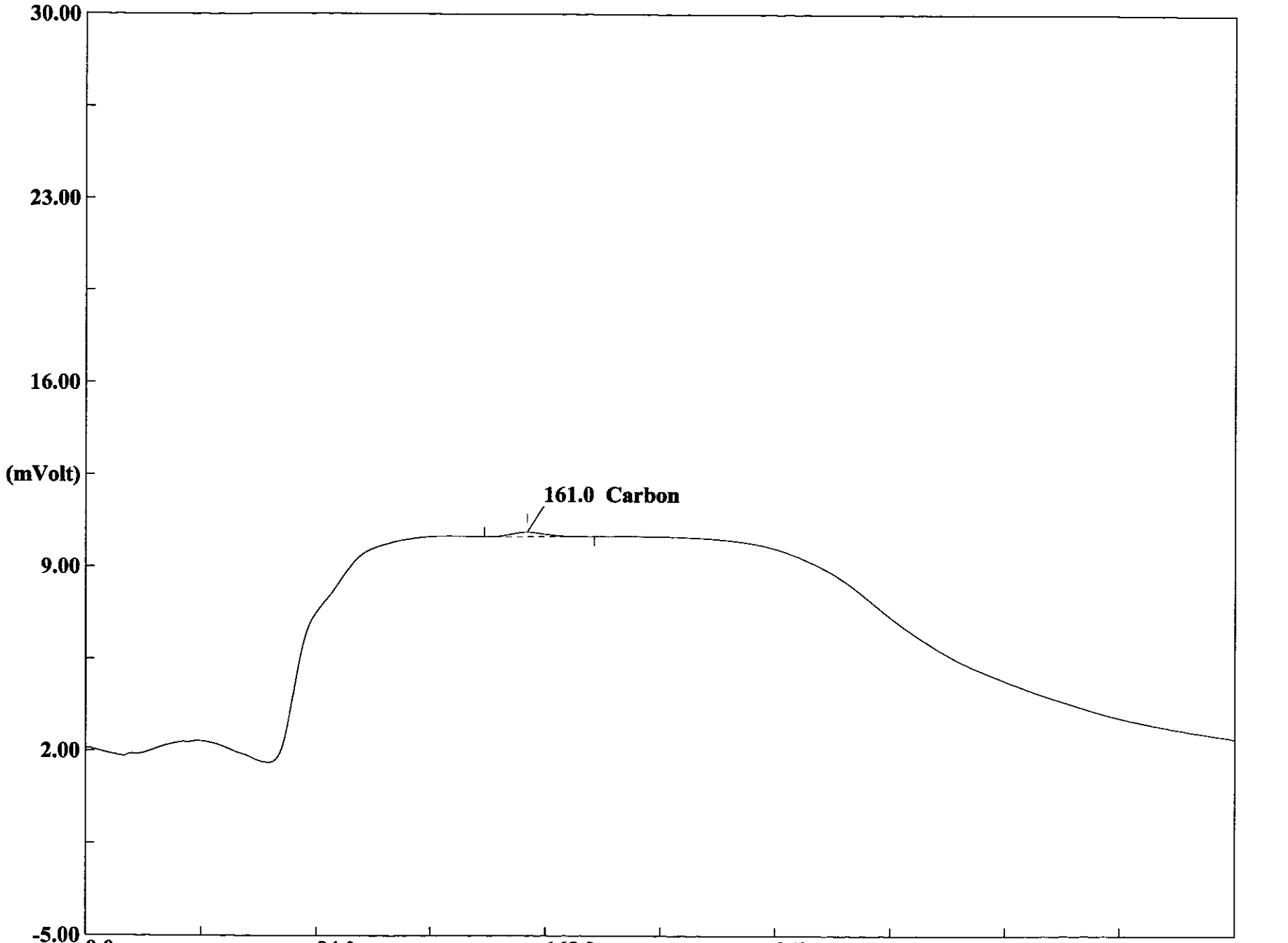
Sample name :l84ta1a3 Analysed :11/01/2010 06:43

C0J210496

4262

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110116.DAT

Sample name :l84ta1a3 Analysed :11/01/2010 06:43

Eager 300 Report

 Sample: 184ta1a3 (A103110116)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110116
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 06:43 Printed : 11/1/2010 08:03
Sample ID : 184ta1a3 (# 81) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 19.2

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0384	161	24245	mi	1.000000	

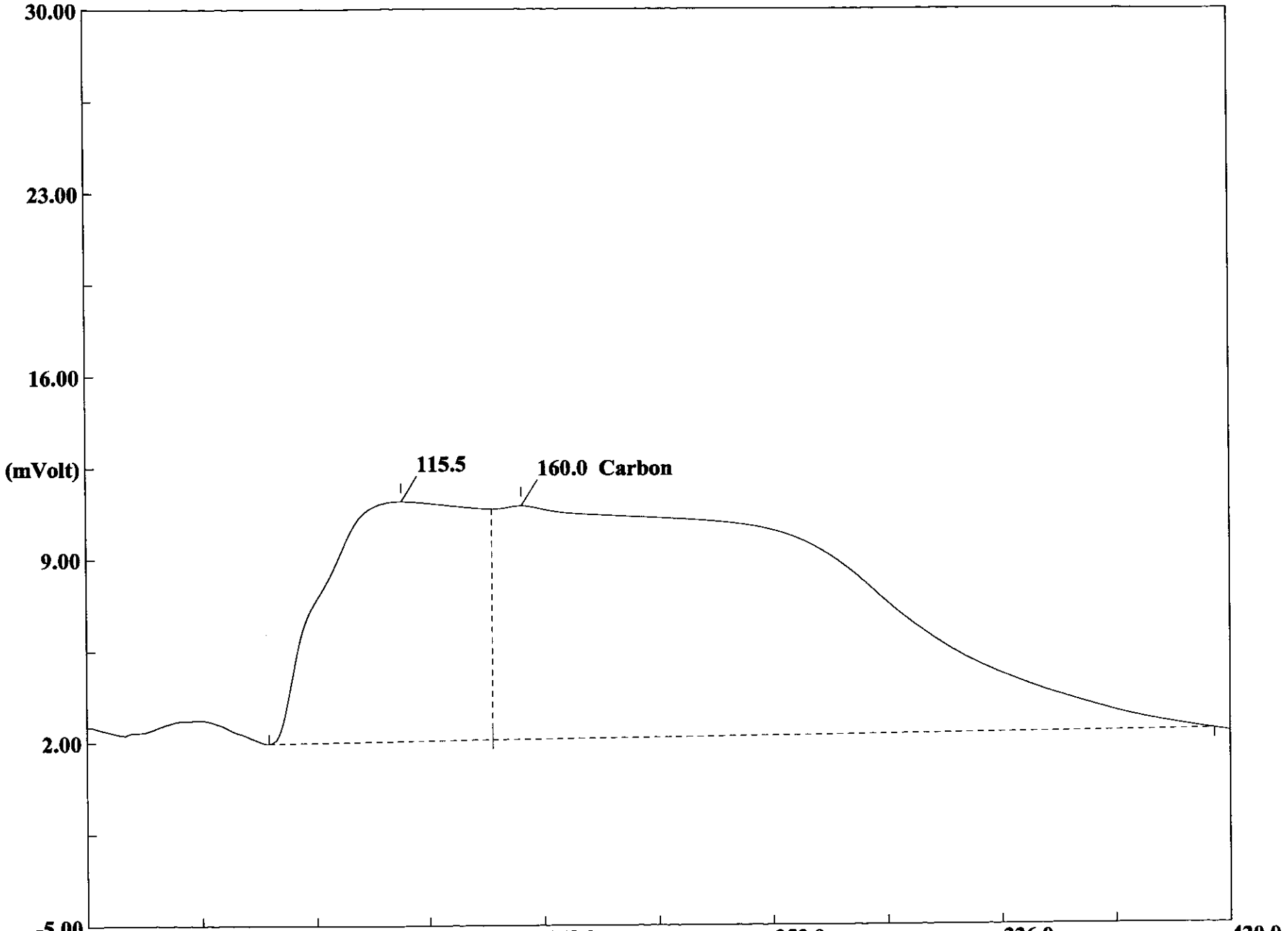
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4264

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110119.DAT

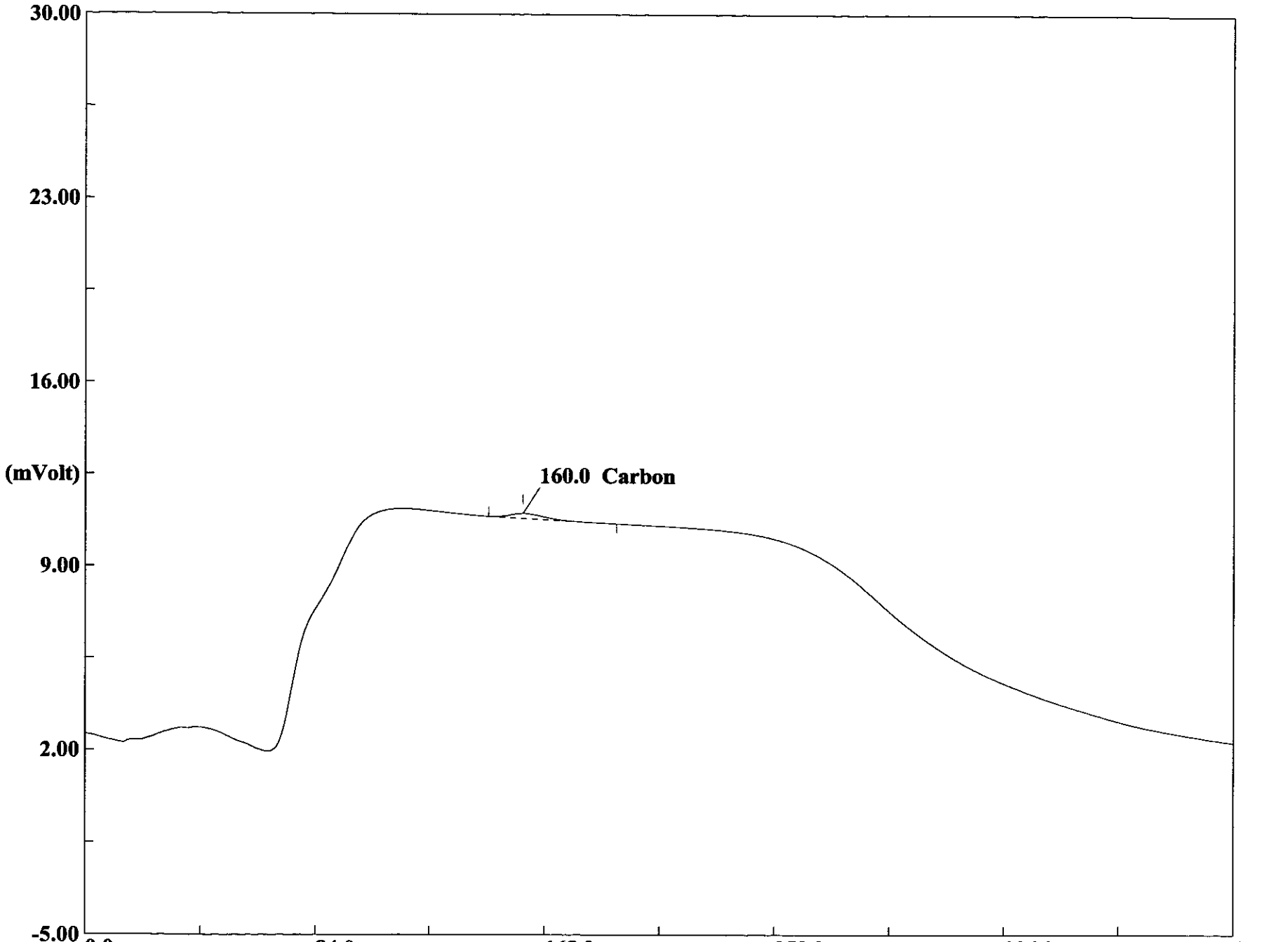
Sample name :l84ta1a3 Analysed :11/01/2010 07:05

C0J210496

4265

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110119.DAT

Sample name :l84ta1a3 Analysed :11/01/2010 07:05

Eager 300 Report

Page: 1 Sample: 184ta1a3 (A103110119)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110119
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 07:05 Printed : 11/1/2010 08:03
Sample ID : 184ta1a3 (# 82) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20.6

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0384	160	25390	mi	1.000000	

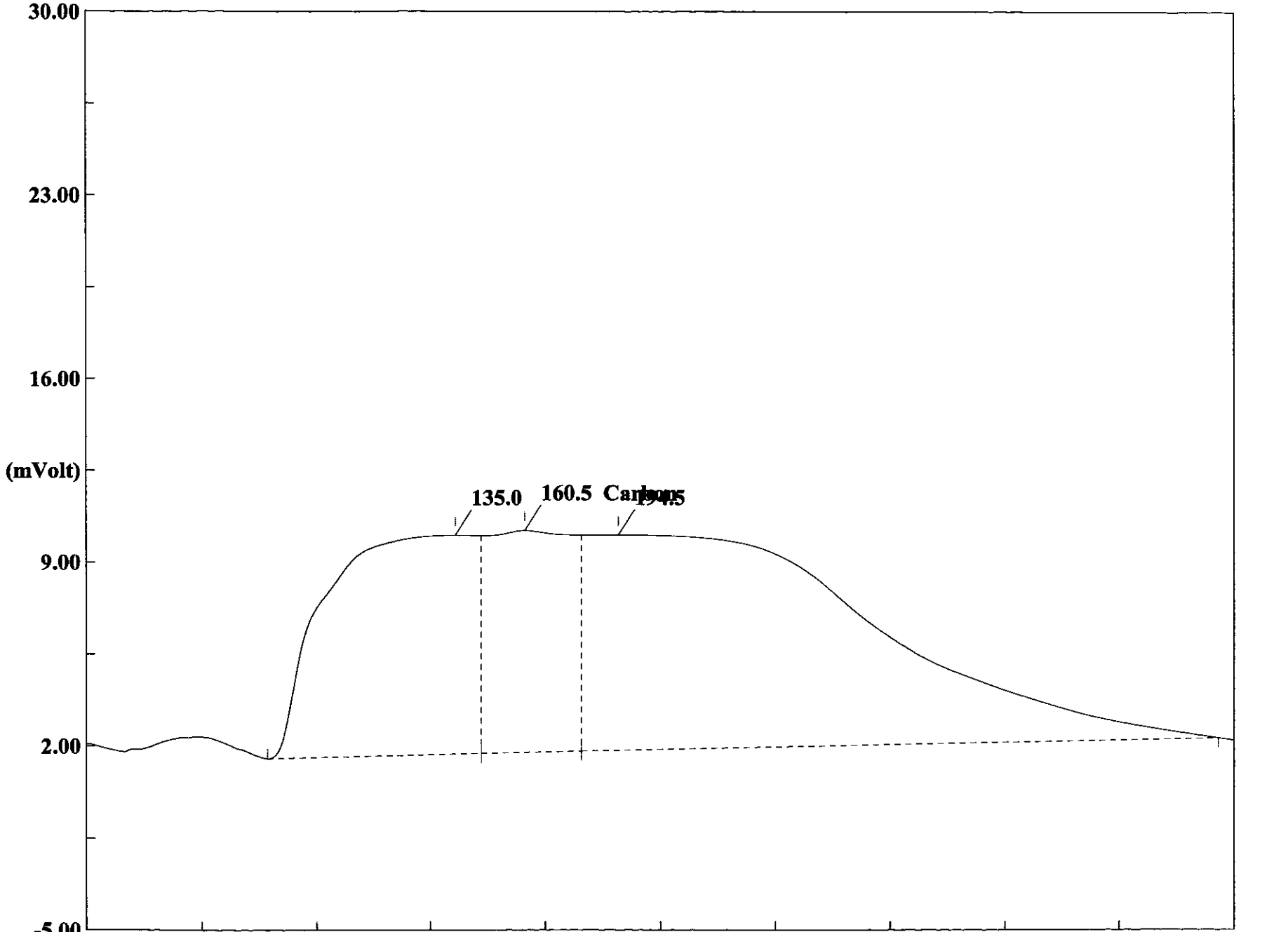
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4267

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110120.DAT

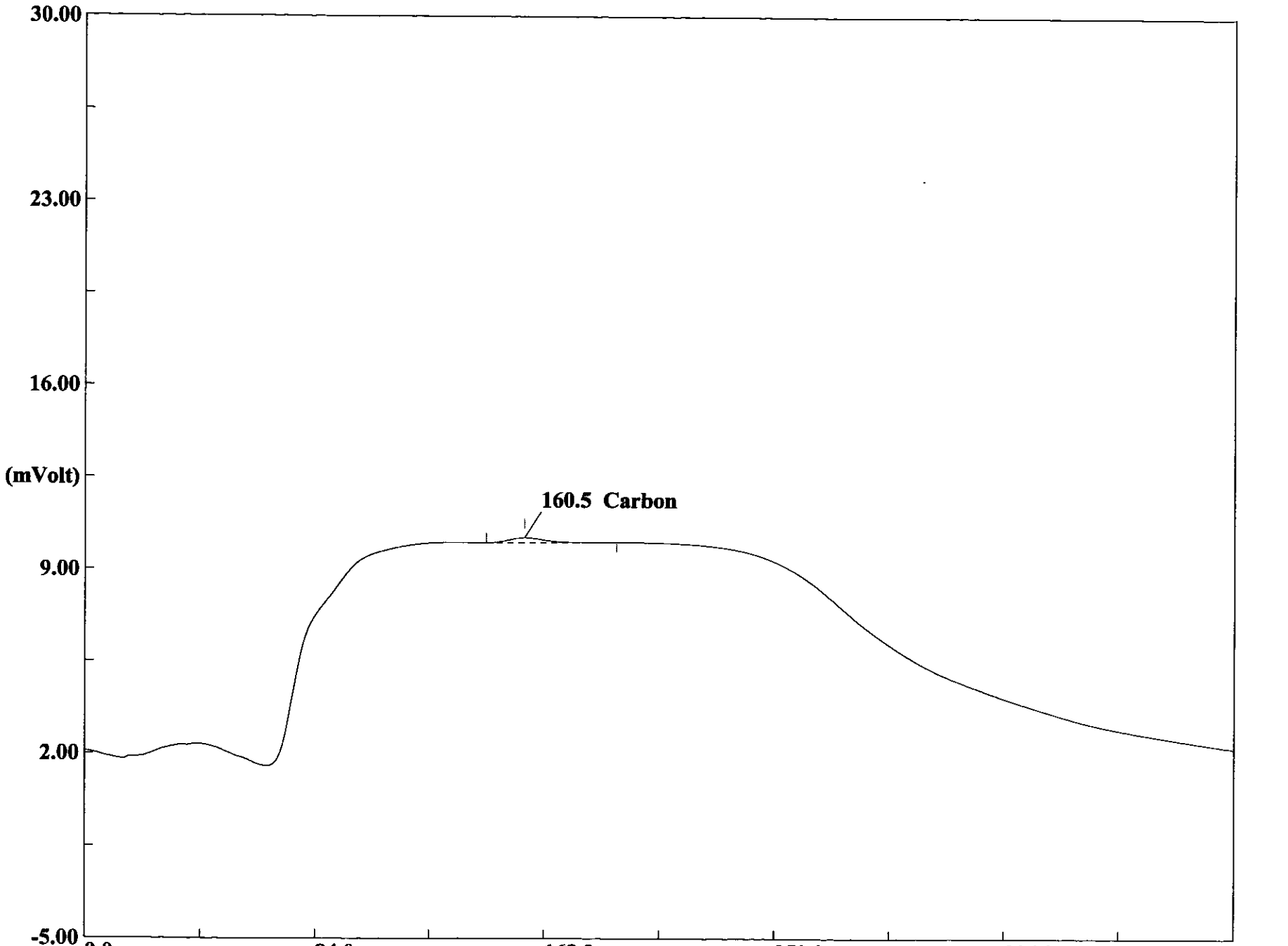
Sample name :l84ta1a3 Analysed :11/01/2010 07:12

C0J210496

4268

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110120.DAT

Sample name :l84ta1a3 Analysed :11/01/2010 07:12

Eager 300 Report

 Sample: 184ta1a3 (A103110120)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110120
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 07:12 Printed : 11/1/2010 08:03
Sample ID : 184ta1a3 (# 83) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20.9

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0407	161	26672	mi	1.000000	

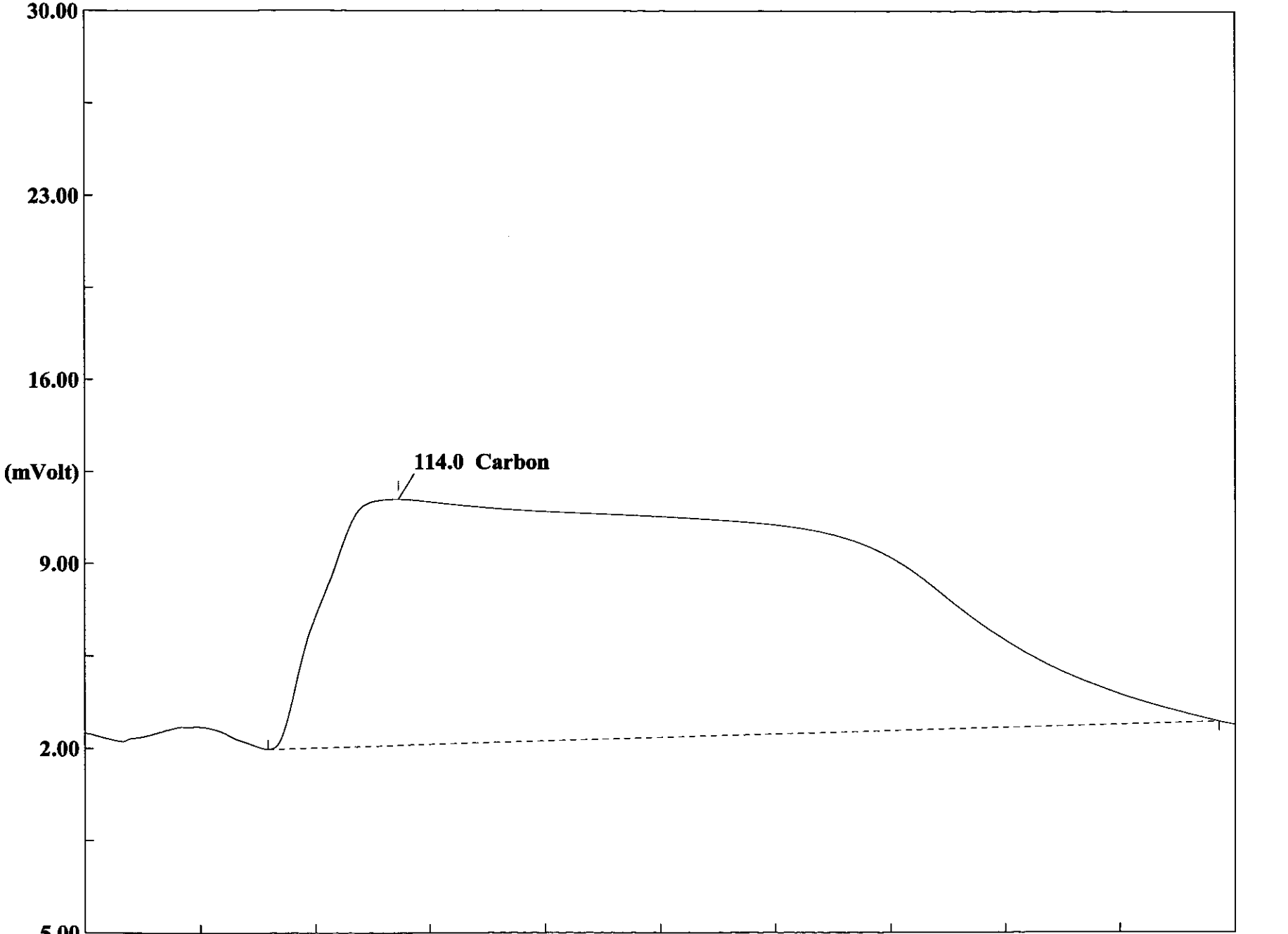
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4270

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw

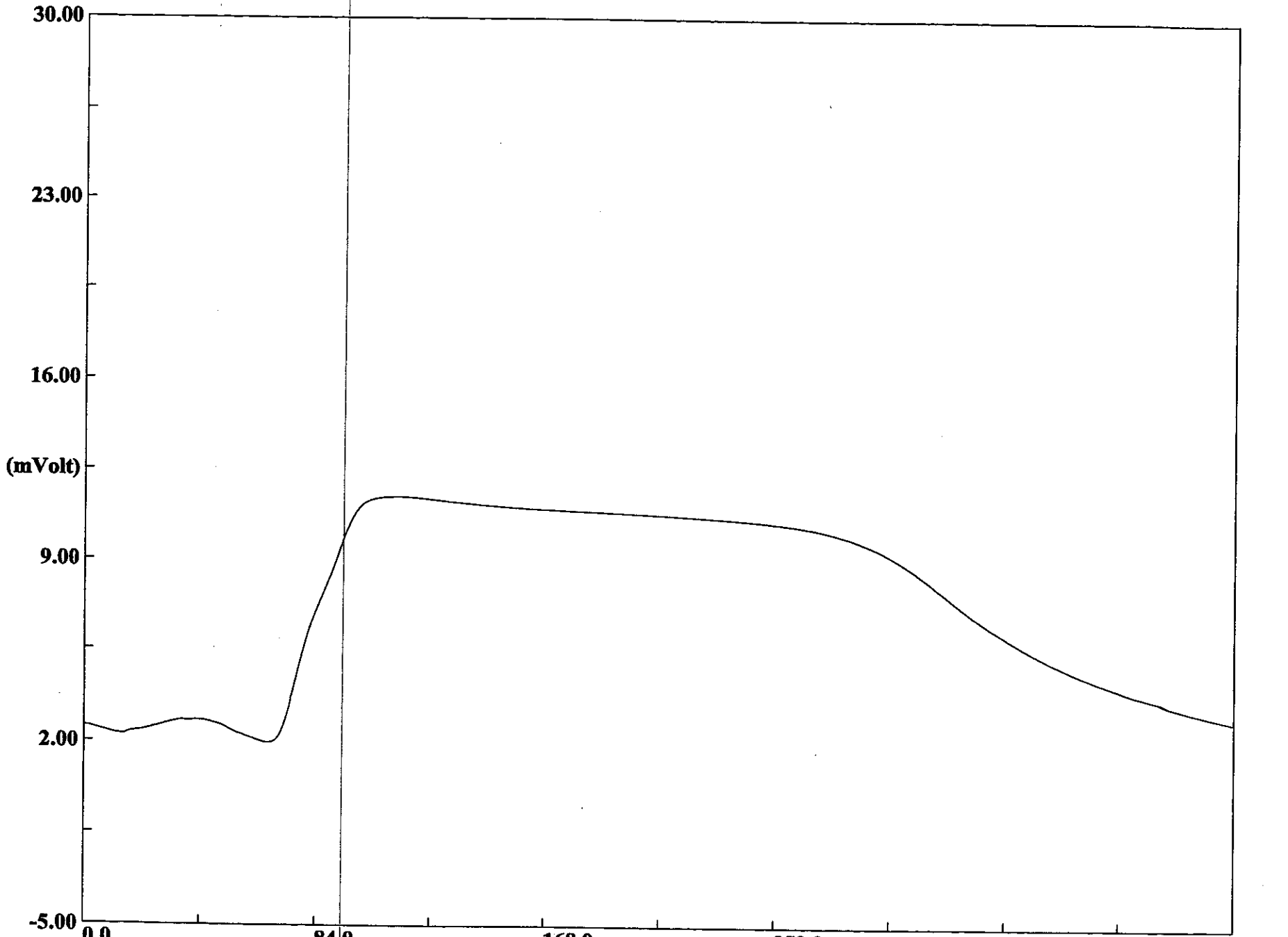


Filename C:\data\January\A103110123.DAT

Sample name :ccb Analysed :11/01/2010 07:34

C0J210496 4271 (4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110123.DAT
Sample name :ccb Analysed :11/01/2010 07:34

Eager 300 Report

 Sample: ccb (A103110123)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110123
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 07:34
Printed : 11/1/2010 08:03
Sample ID : ccb (# 84)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

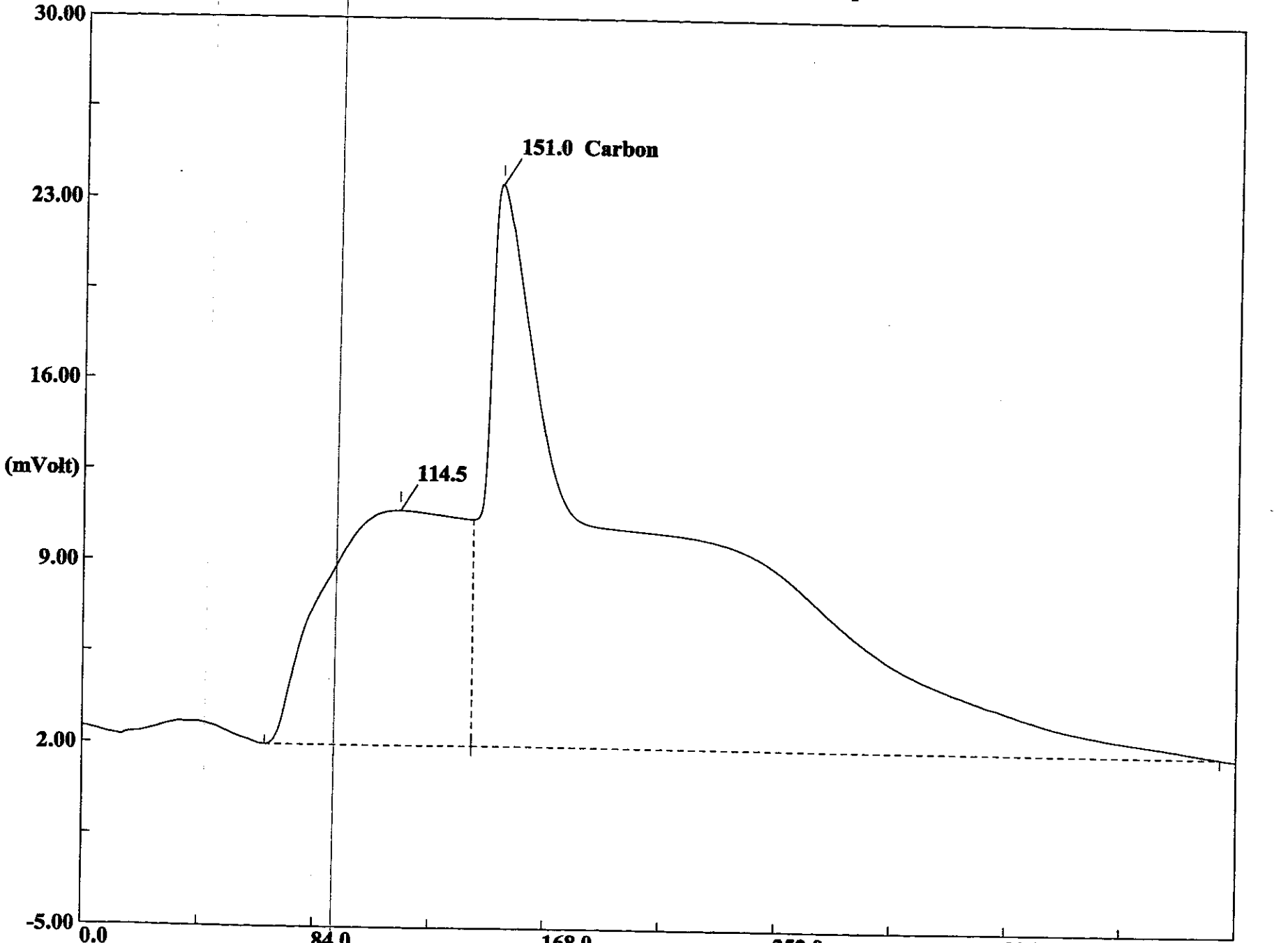
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4273

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



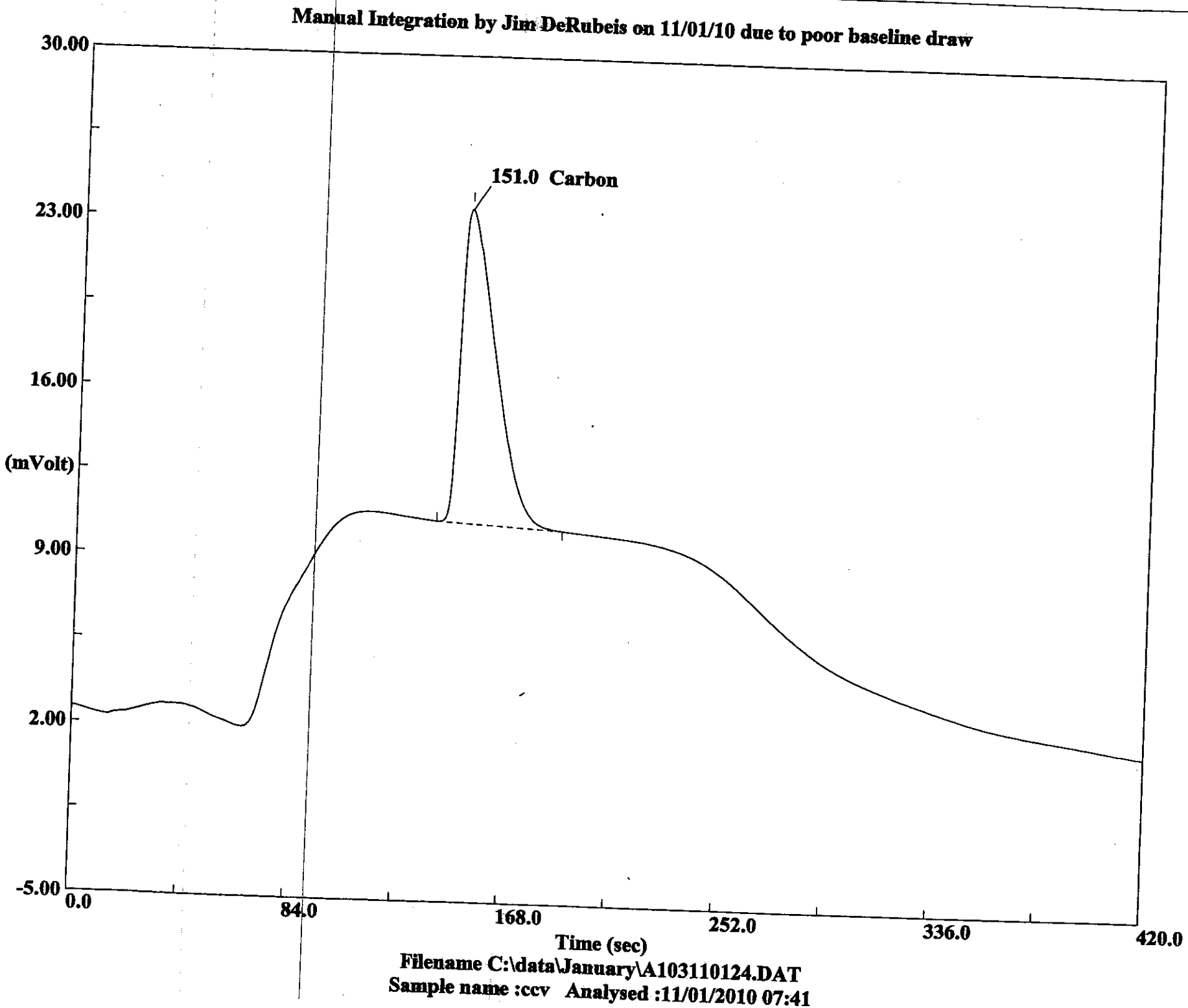
Filename C:\data\January\A103110124.DAT

Sample name :ccv Analysed :11/01/2010 07:41

C0J210496

4274

(4001-4344)



 Sample: ccv (A103110124)

Eager 300 Report

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110124
Operator ID : James DeRubeis
Analysed : 11/01/2010 07:41
Sample ID : ccv (# 85)
Analysis Type : UnkNown (Area)

Company Name : TESTAMERICA PITT
Printed : 11/1/2010 08:03
Instrument N. : Instrument #1
Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9511	151	2029390	mi	1.000000	

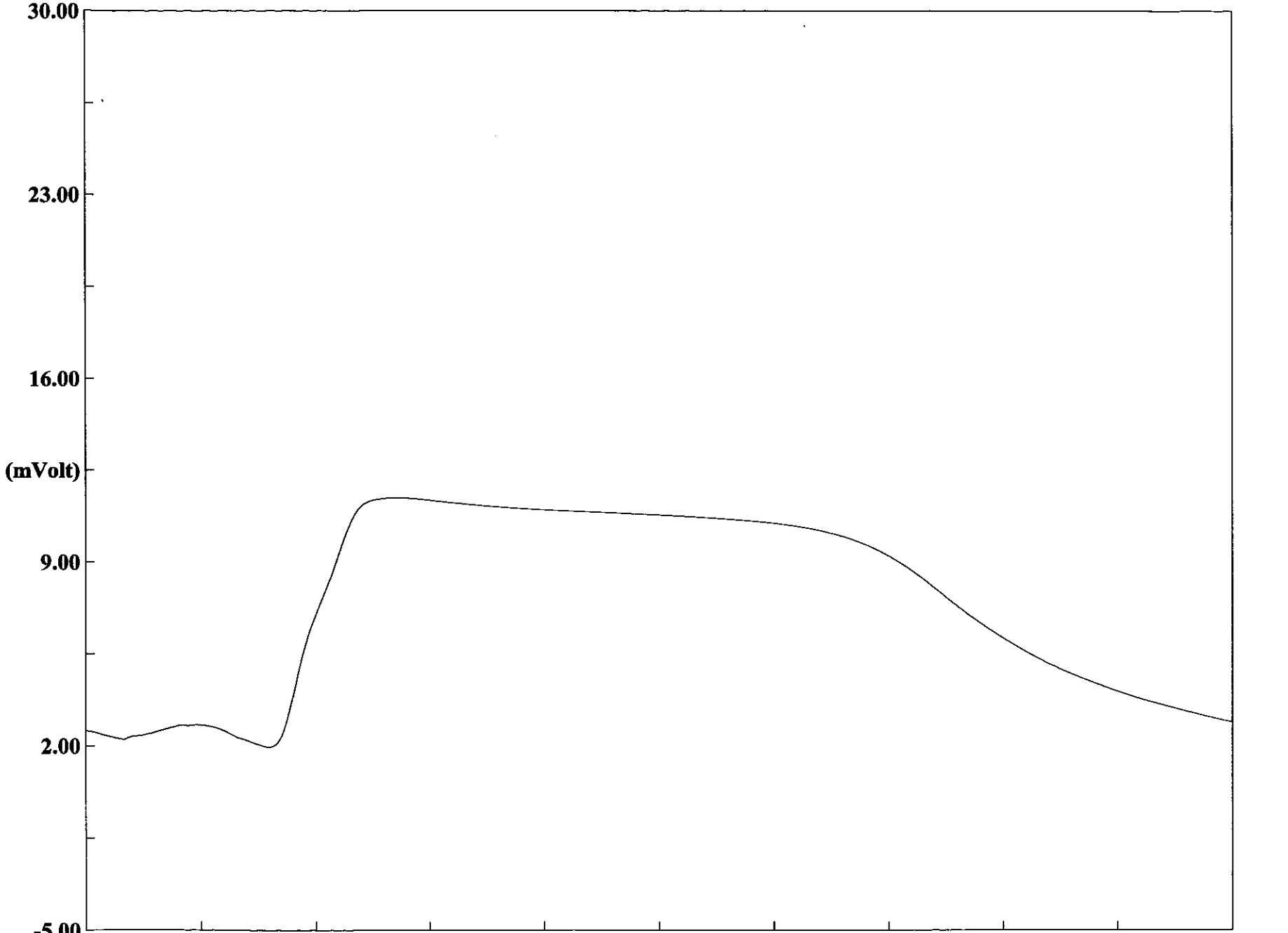
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4276

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110123.DAT

Sample name :ccb Analysed :11/01/2010 07:34

Eager 300 Report

Page: 1 Sample: ccb (A103110123)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110123
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 07:34 Printed : 11/1/2010 08:03
Sample ID : ccb (# 84) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

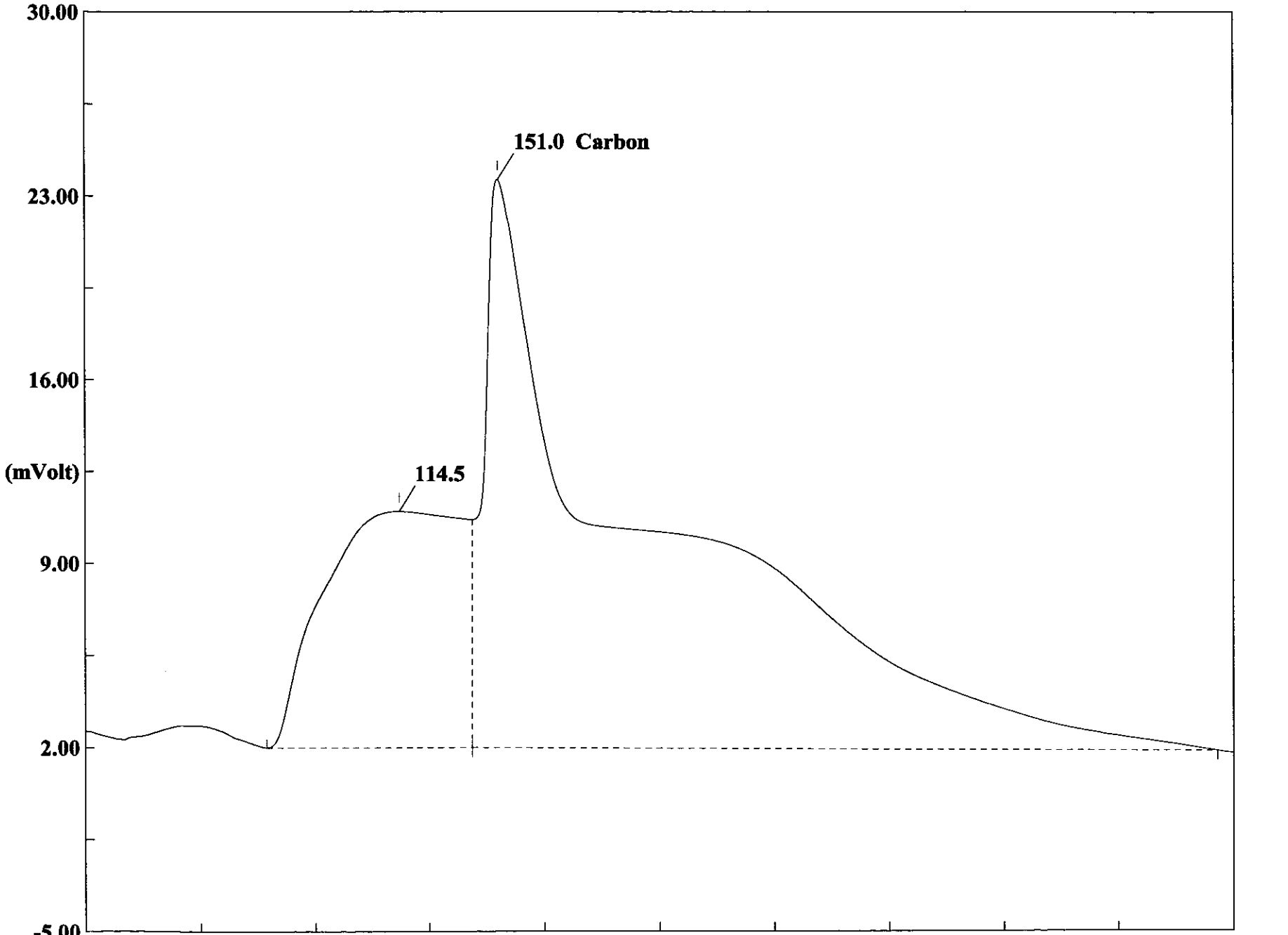
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4278

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw

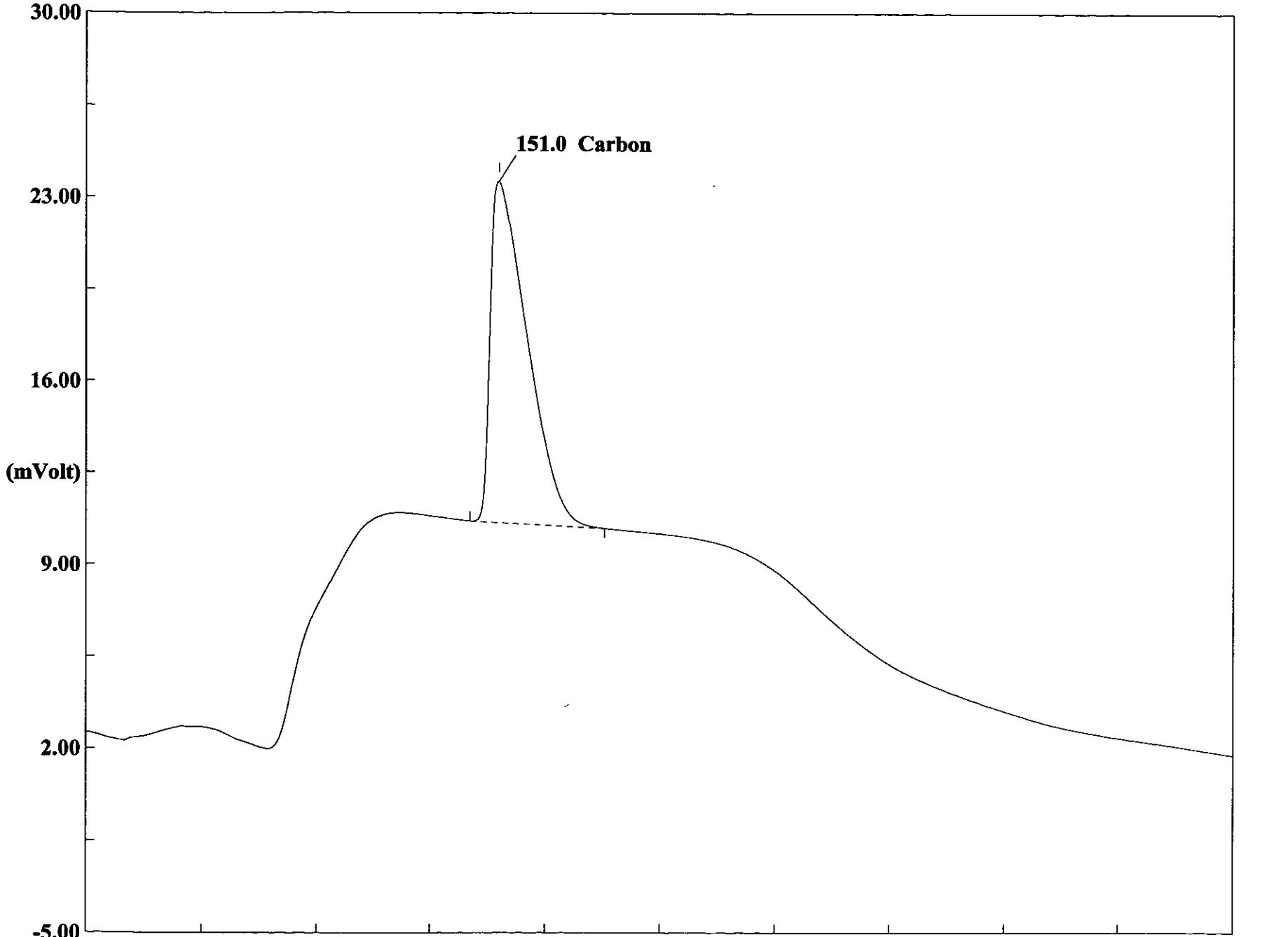


Filename C:\data\January\A103110124.DAT

Sample name :ccv Analysed :11/01/2010 07:41

C0J210496

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110124.DAT
Sample name :ccv Analysed :11/01/2010 07:41

4279

(4001-4344)

Eager 300 Report

Page: 1 Sample: ccv (A103110124)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\103110.mth
Chromatogram : A103110124
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 07:41 Printed : 11/1/2010 08:03
Sample ID : ccv (# 85) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9511	151	2029390	mi	1.000000	

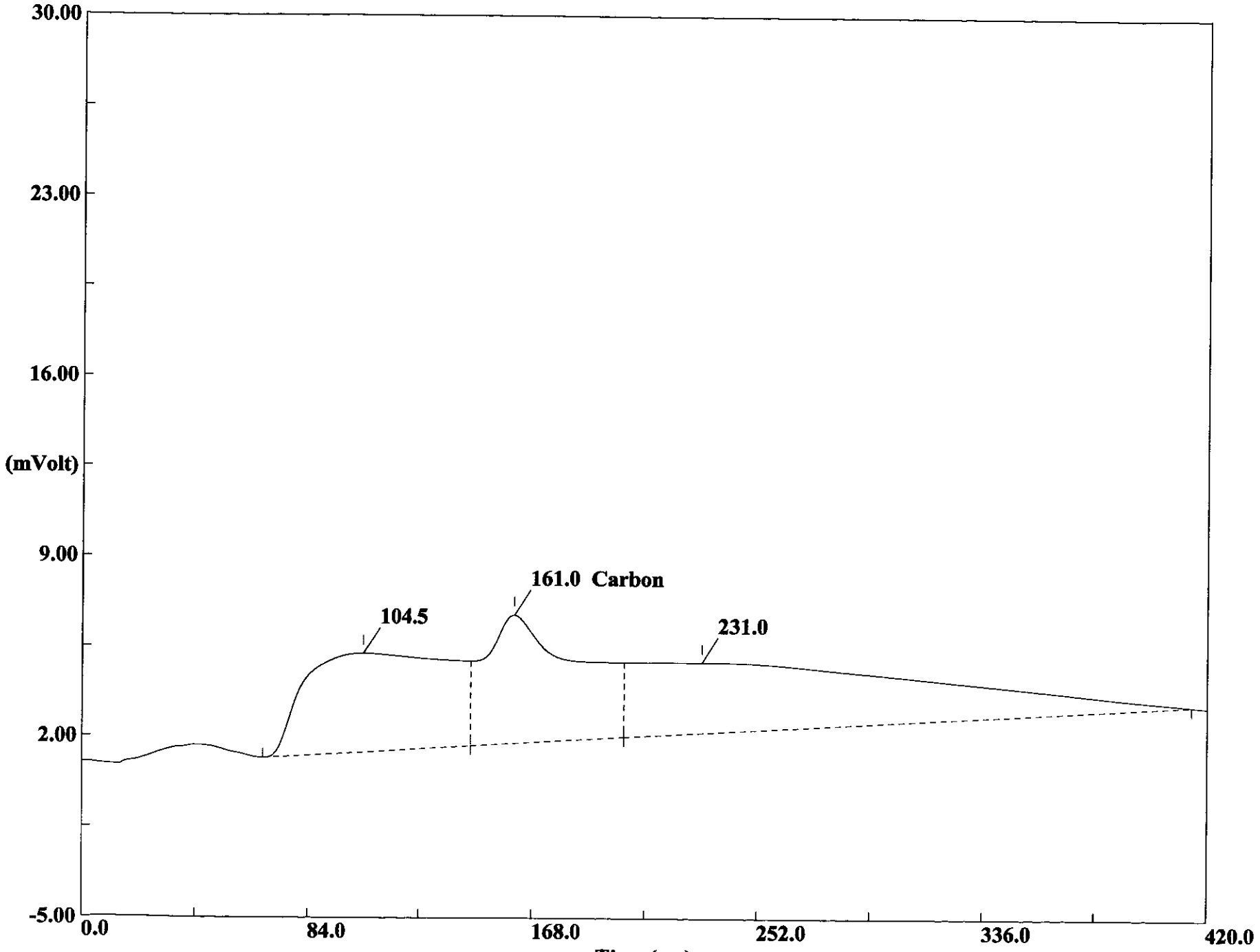
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4281

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110125.DAT

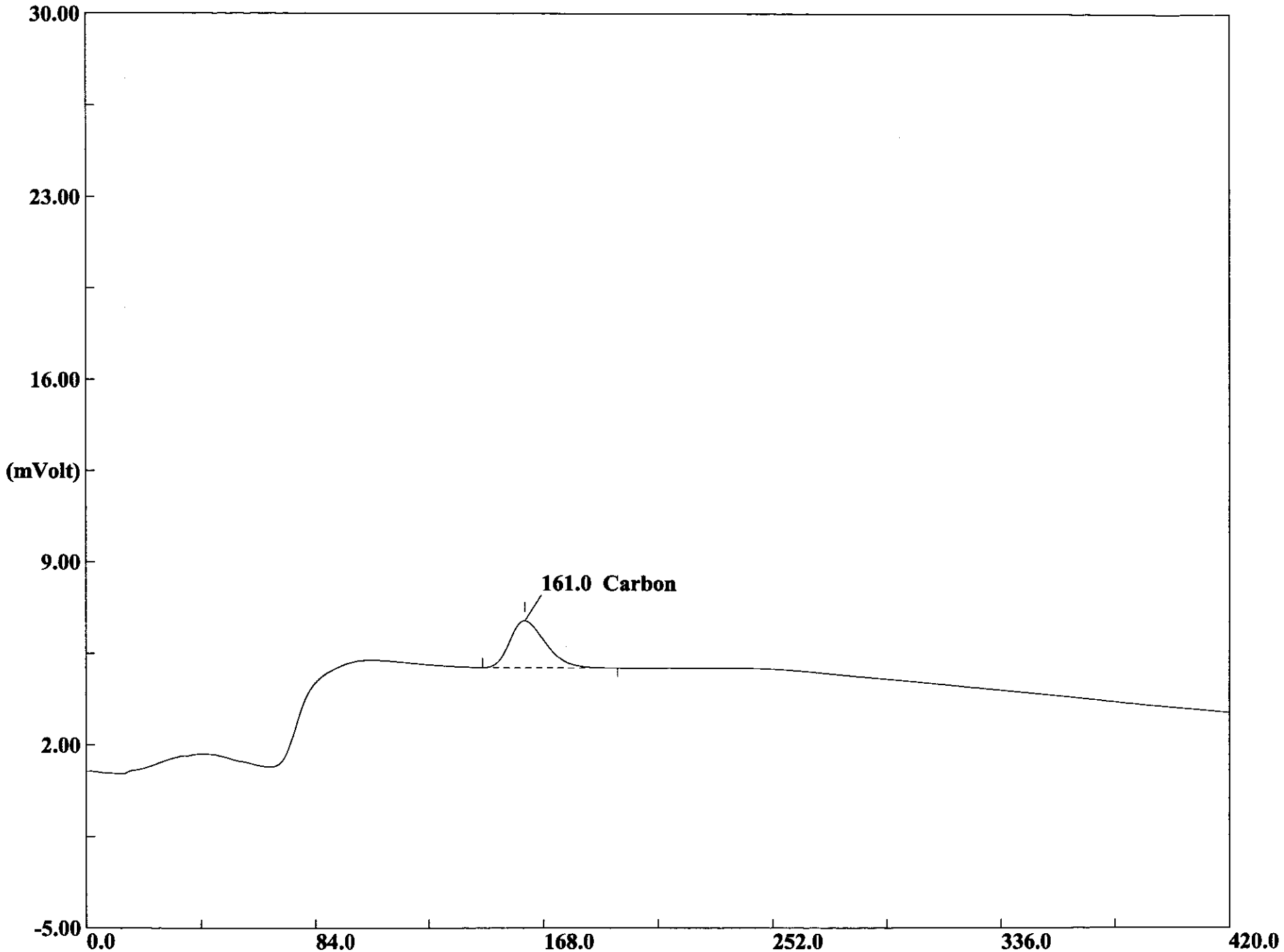
Sample name :l84tc1a3 Analysed :11/01/2010 08:21

C0J210496

4282

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110125.DAT

Sample name :l84tc1a3 Analysed :11/01/2010 08:21

Eager 300 Report

 Sample: 184tc1a3 (A103110125)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110110.mth
Chromatogram : A103110125
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 08:21
Printed : 11/1/2010 13:23
Sample ID : 184tc1a3 (# 16)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 21.4

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.5771	161	270988	mi	1.000000	

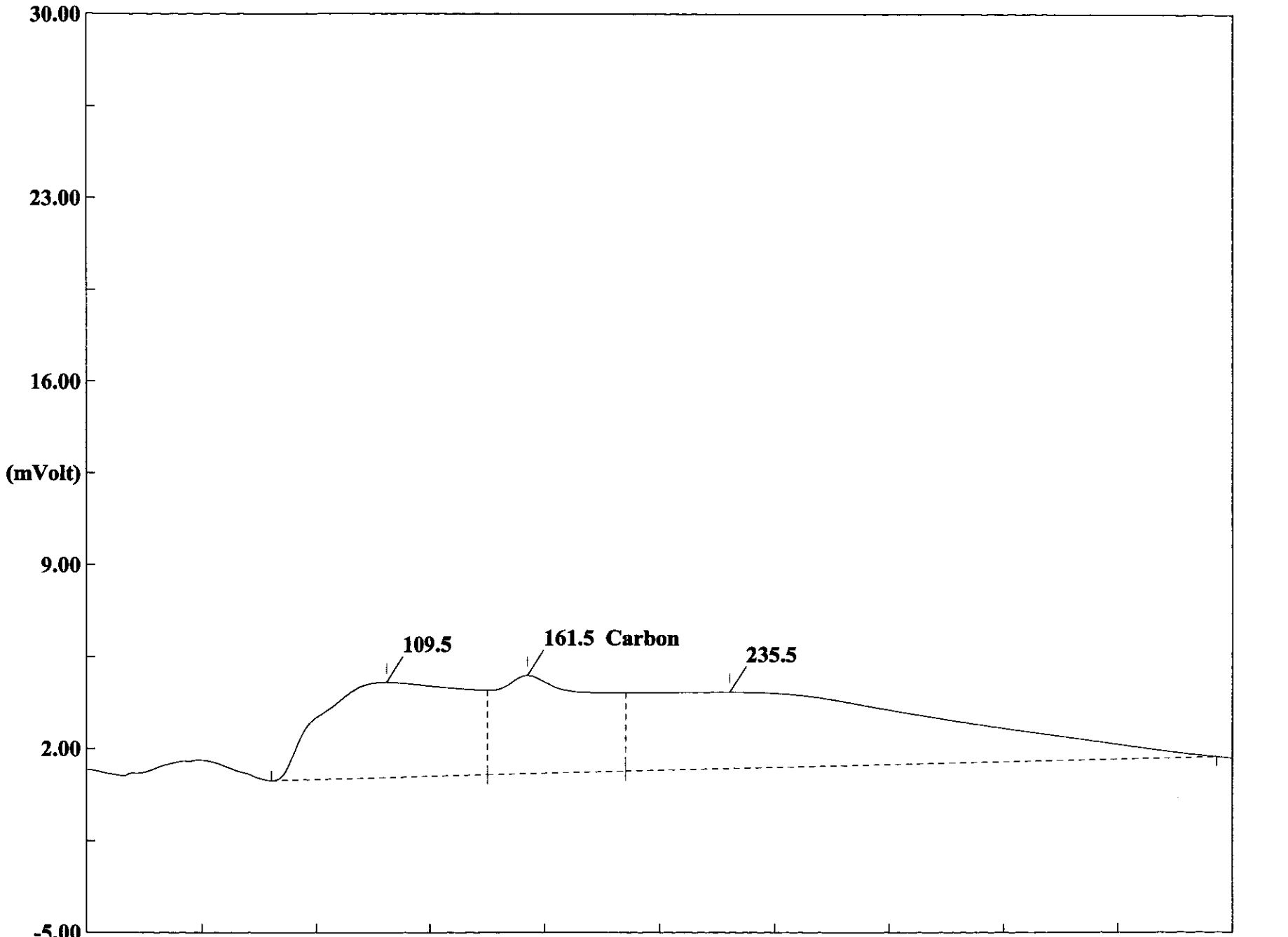
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4284

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110126.DAT

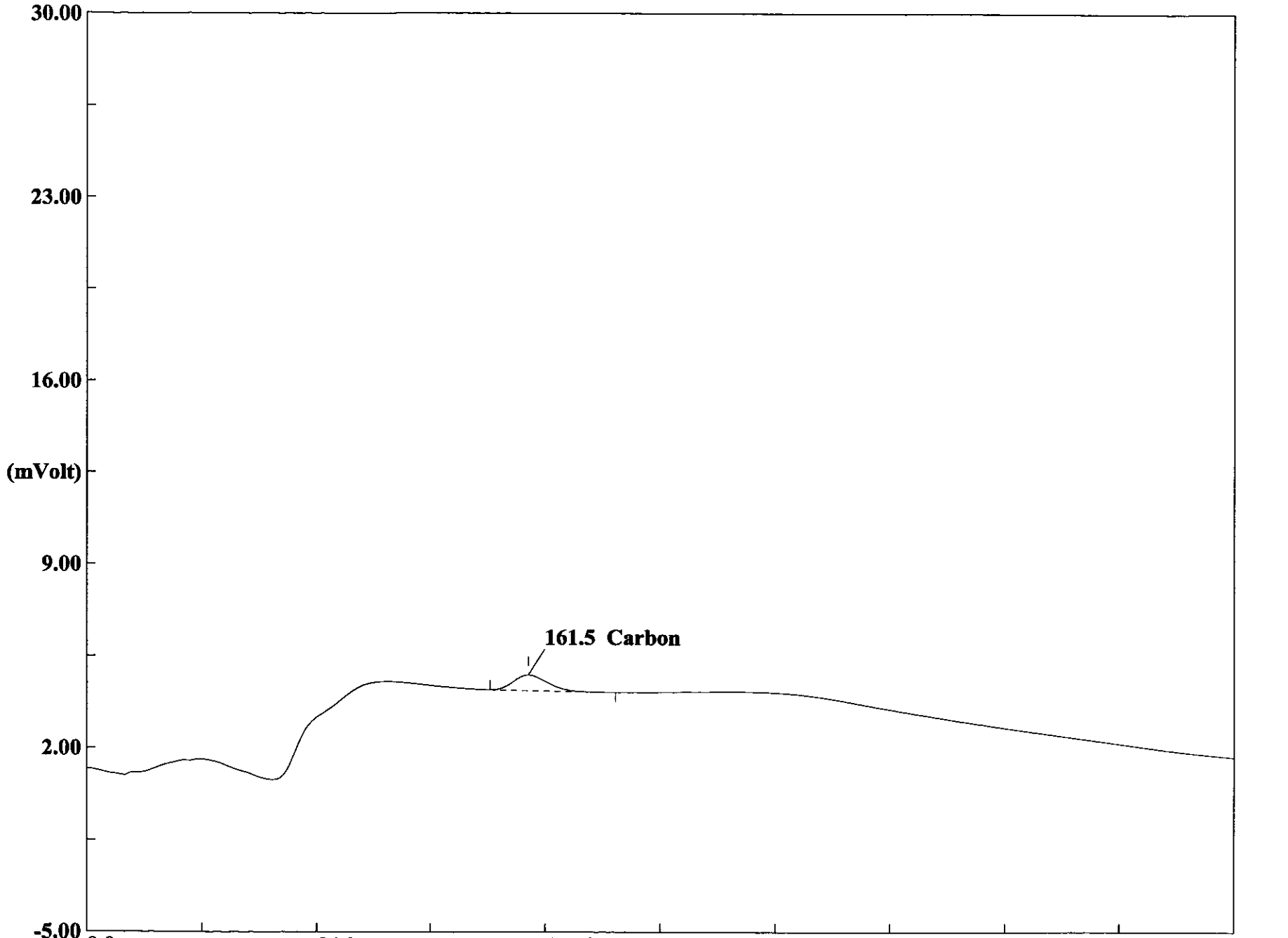
Sample name :l84tc1a3 Analysed :11/01/2010 08:28

C0J210496

4285

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110126.DAT

Sample name :l84tc1a3 Analysed :11/01/2010 08:28

Eager 300 Report

 Sample: 184tc1a3 (A103110126)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110110.mth
Chromatogram : A103110126
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 08:28 Printed : 11/1/2010 13:23
Sample ID : 184tc1a3 (# 17) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20.3

Calib. method : using 'Least Squares to Linear fit'

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1729	162	83149	mi	1.000000	

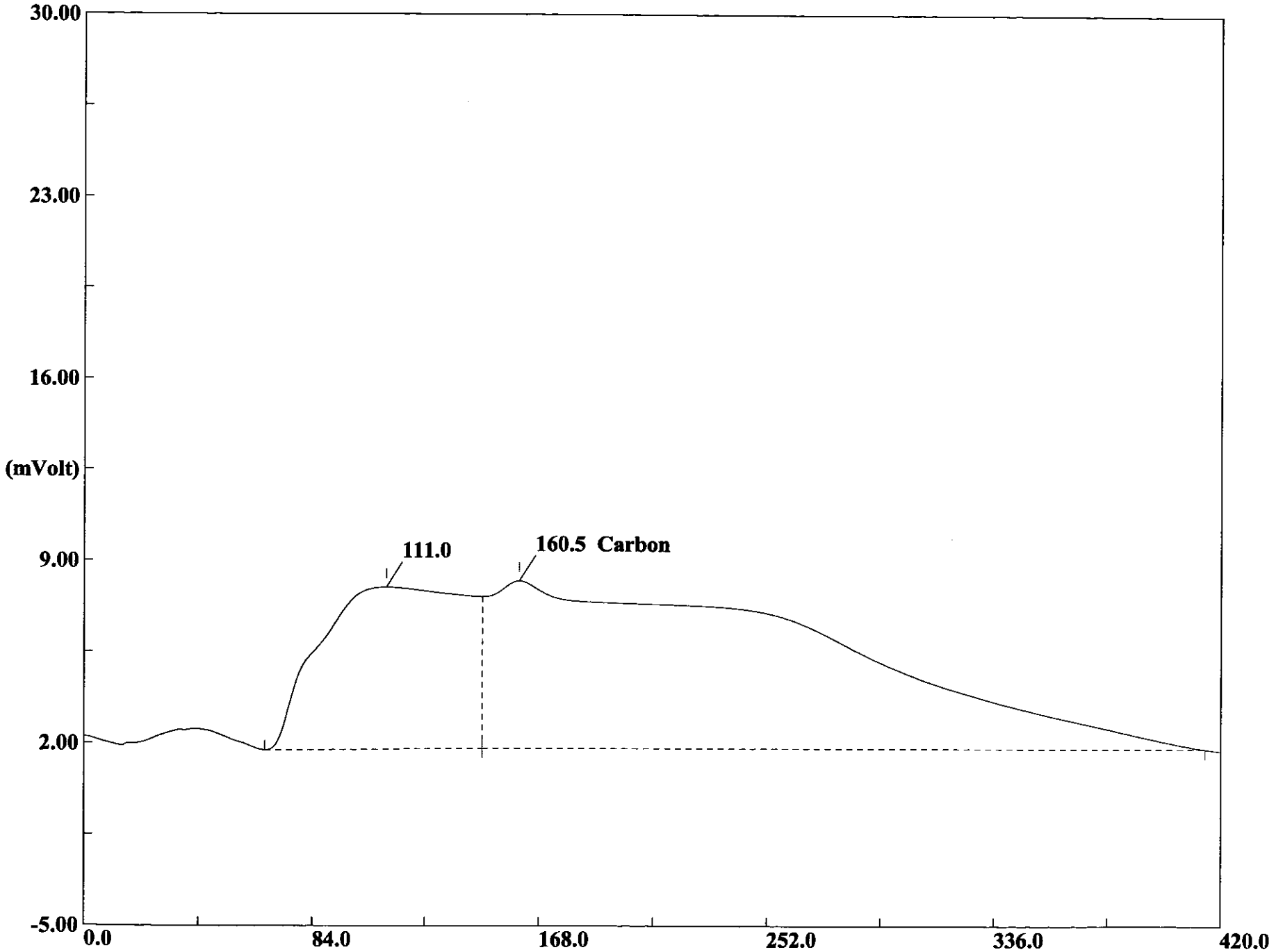
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4287

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110129.DAT

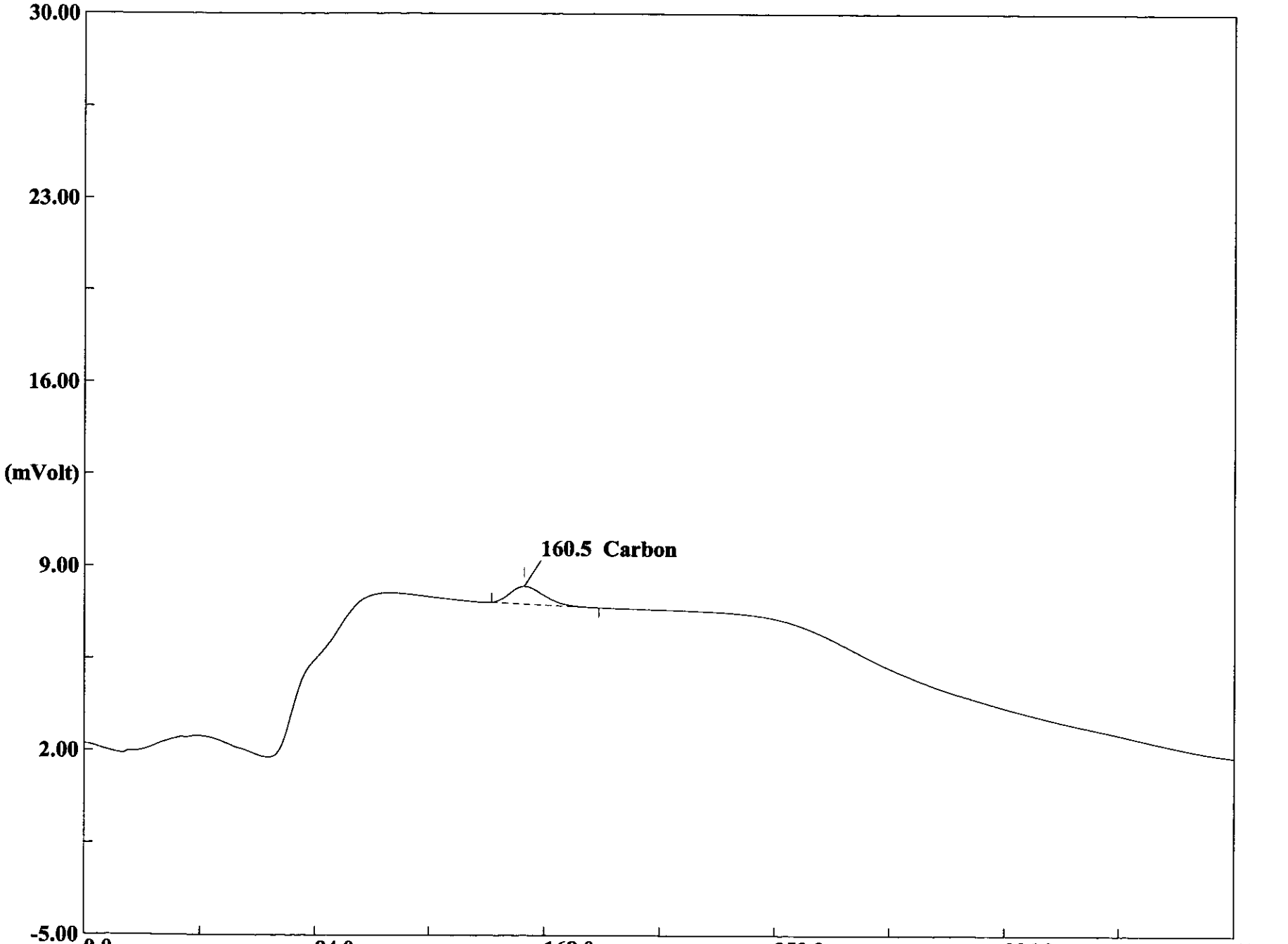
Sample name :l84tc1a3 Analysed :11/01/2010 08:50

C0J210496

4288

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110129.DAT

Sample name :l84tc1a3 Analysed :11/01/2010 08:50

Eager 300 Report

 Sample: 184tc1a3 (A103110129)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110110.mth
Chromatogram : A103110129
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 08:50 Printed : 11/1/2010 13:23
Sample ID : 184tc1a3 (# 18) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 21.2

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1877	161	93150	mi	1.000000	

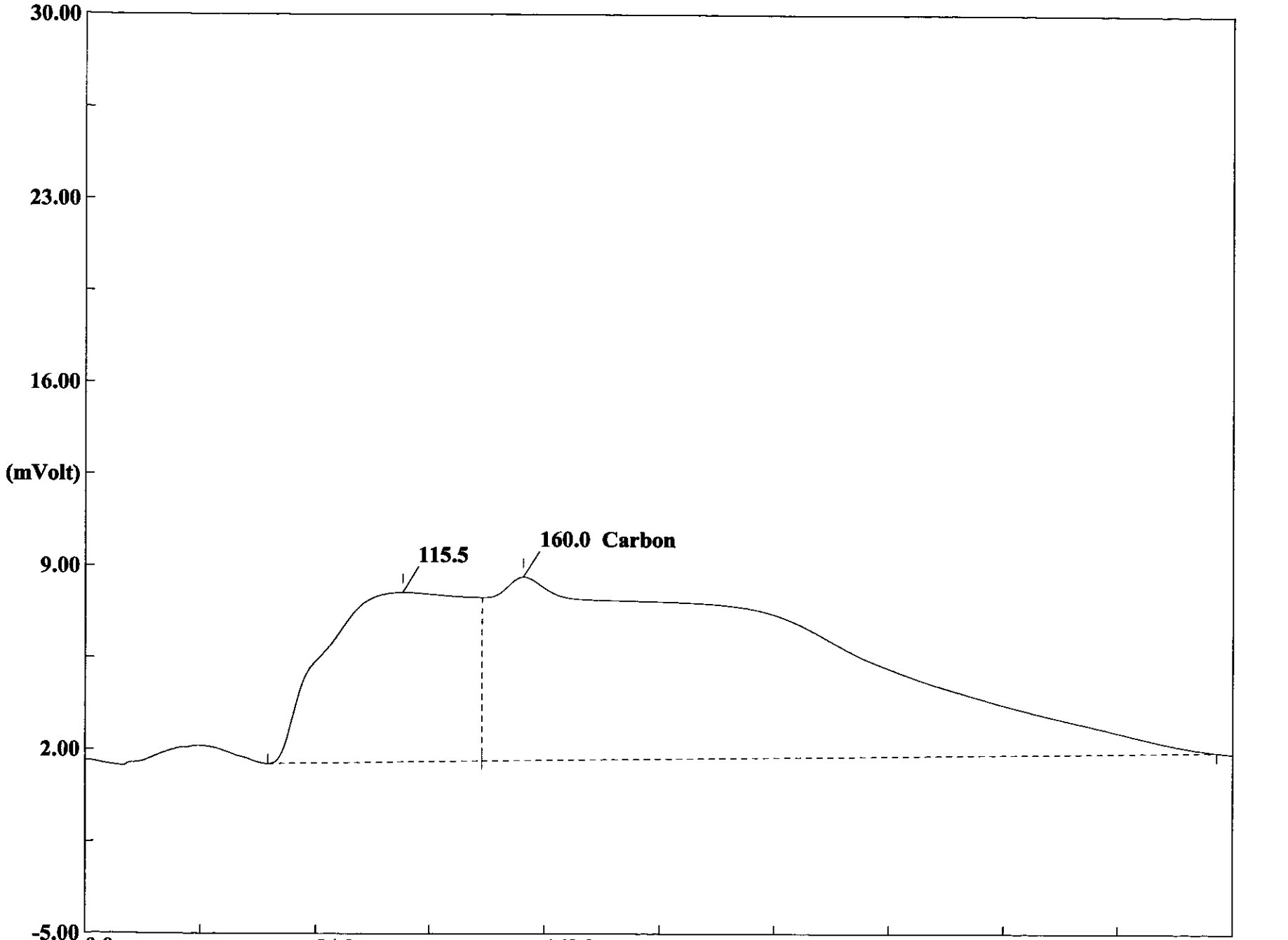
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4290

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110130.DAT

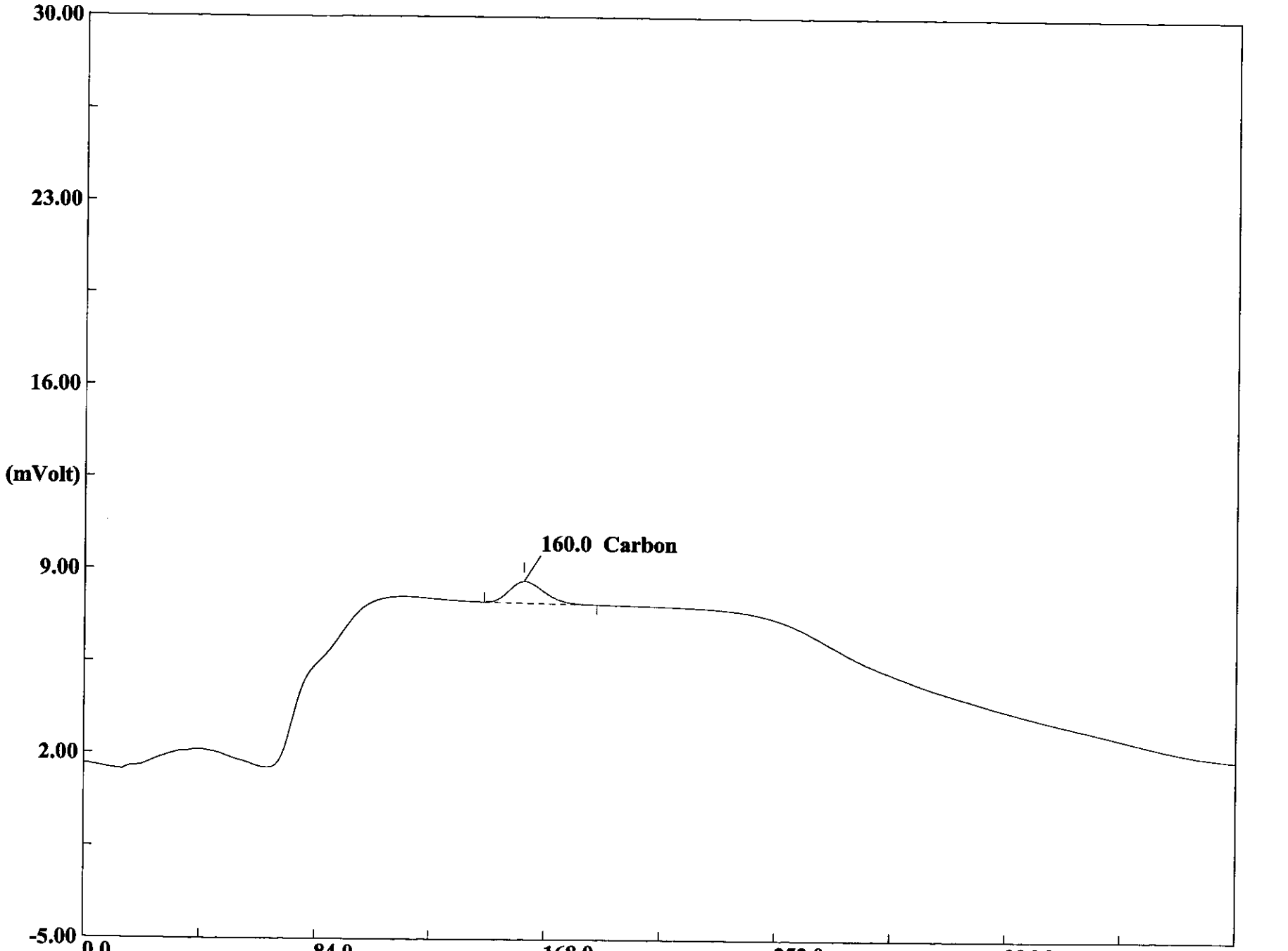
Sample name :l84tc1a3 Analysed :11/01/2010 08:57

C0J210496

4291

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110130.DAT

Sample name :l84tc1a3 Analysed :11/01/2010 08:57

Eager 300 Report

 Sample: 184tc1a3 (A103110130)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110110.mth
Chromatogram : A103110130
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 08:57 Printed : 11/1/2010 13:23
Sample ID : 184tc1a3 (# 19) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20.6

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

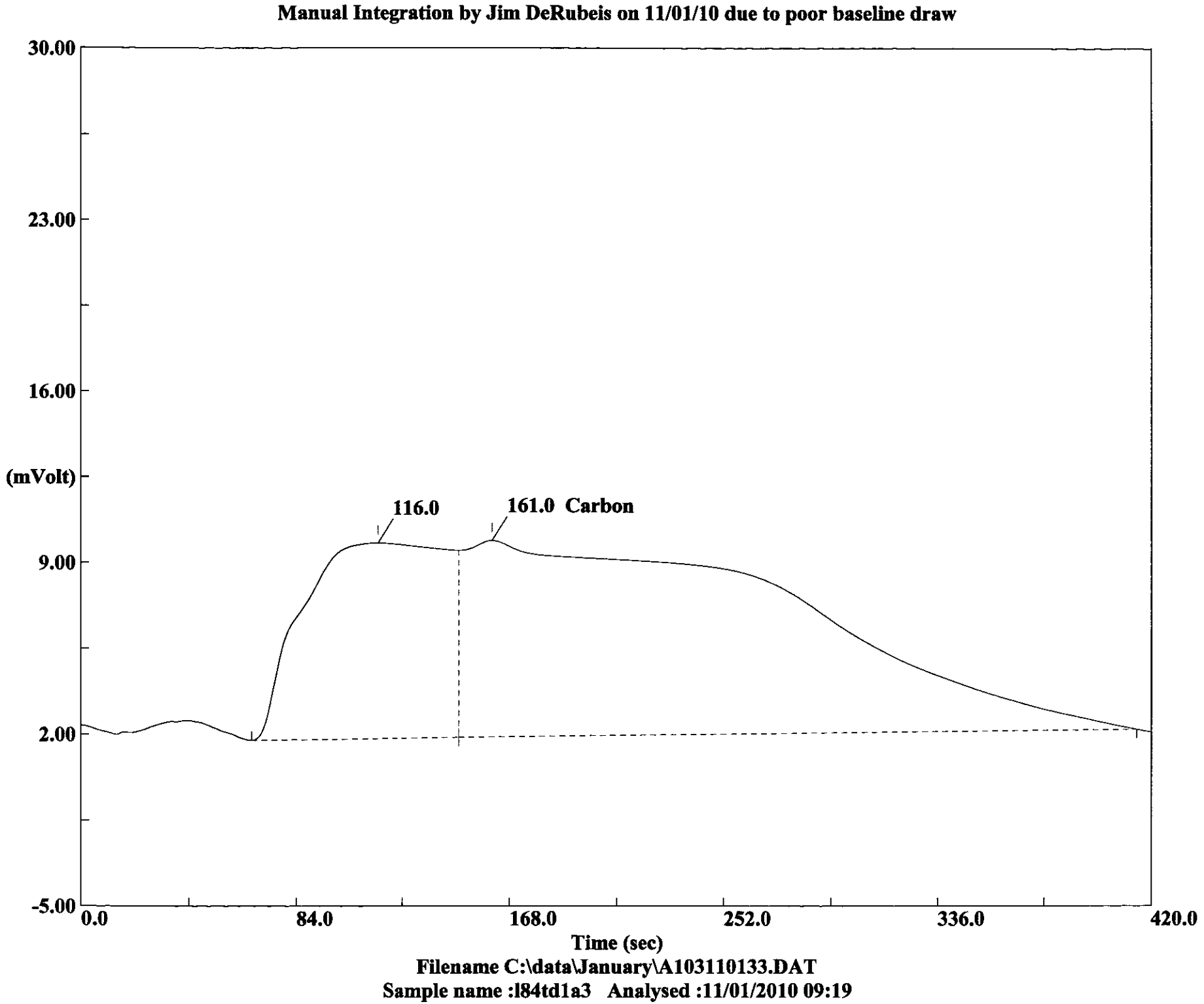
Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.2521	160	118943	mi	1.000000	

Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4293

(4001-4344)

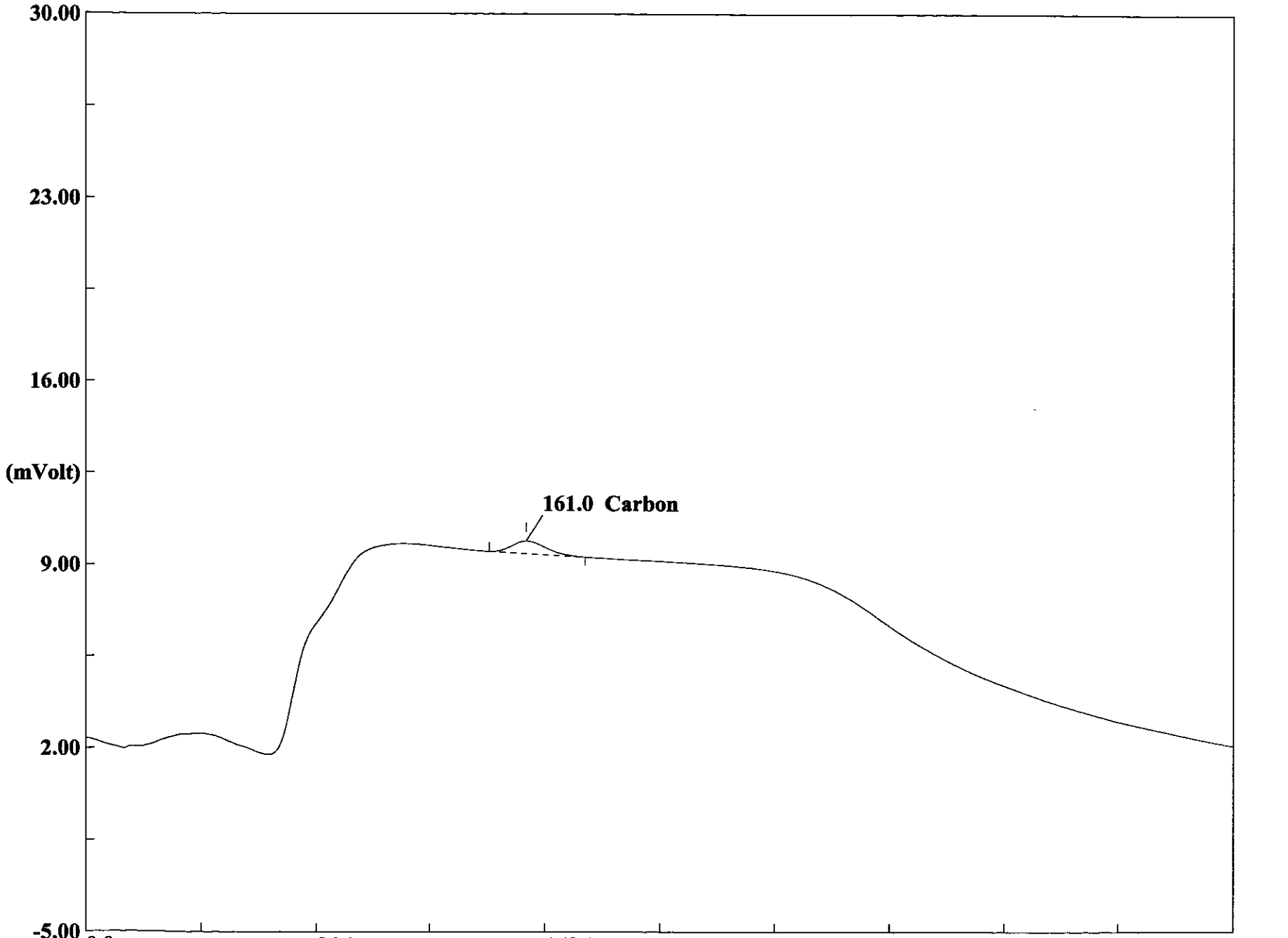


C0J210496

4294

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110133.DAT

Sample name :l84td1a3 Analysed :11/01/2010 09:19

Eager 300 Report

 Sample: 184td1a3 (A103110133)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110110.mth
Chromatogram : A103110133
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 09:19 Printed : 11/1/2010 13:23
Sample ID : 184td1a3 (# 20) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 21

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1351	161	68882	mi	1.000000	

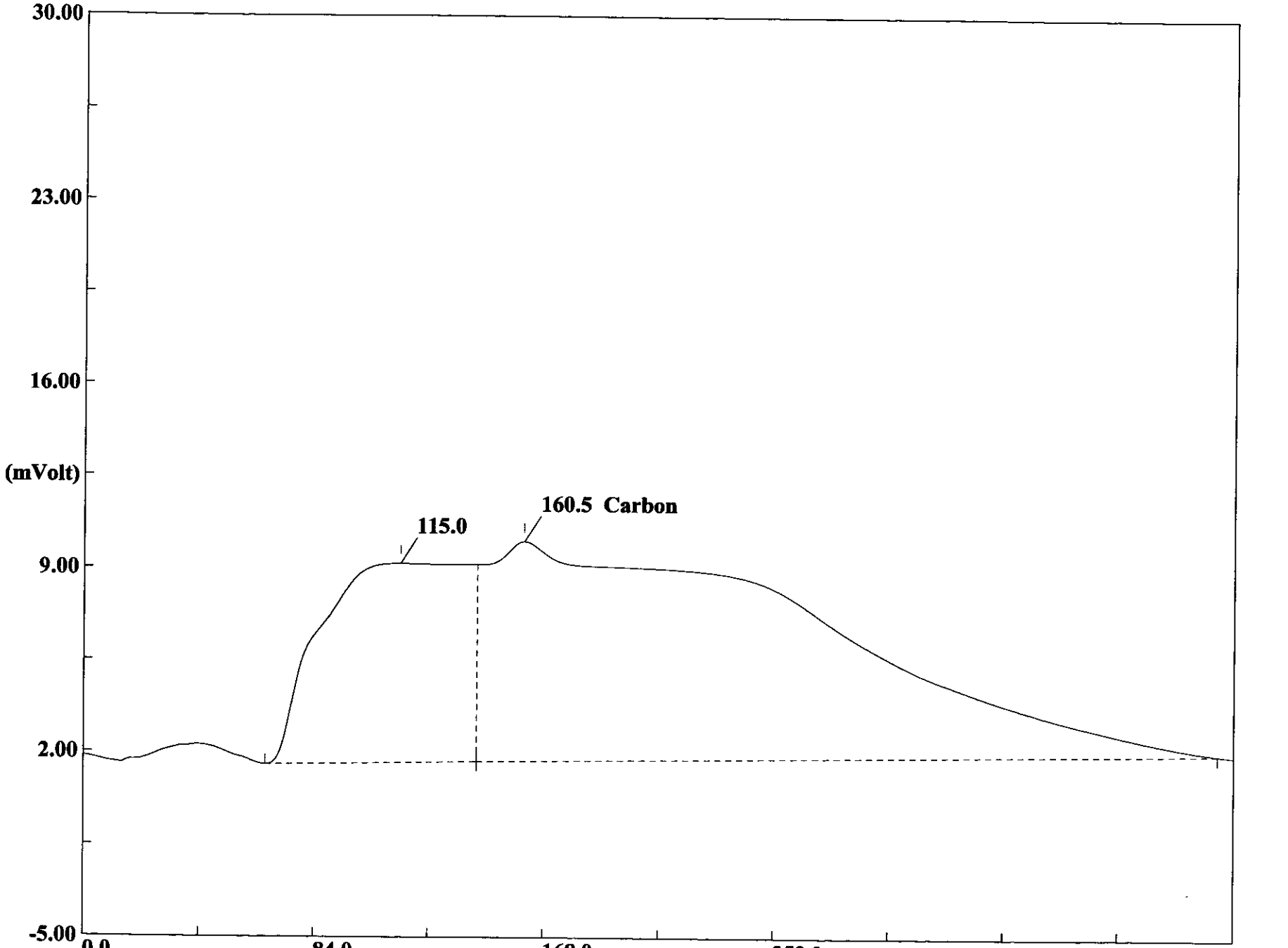
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4296

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110134.DAT

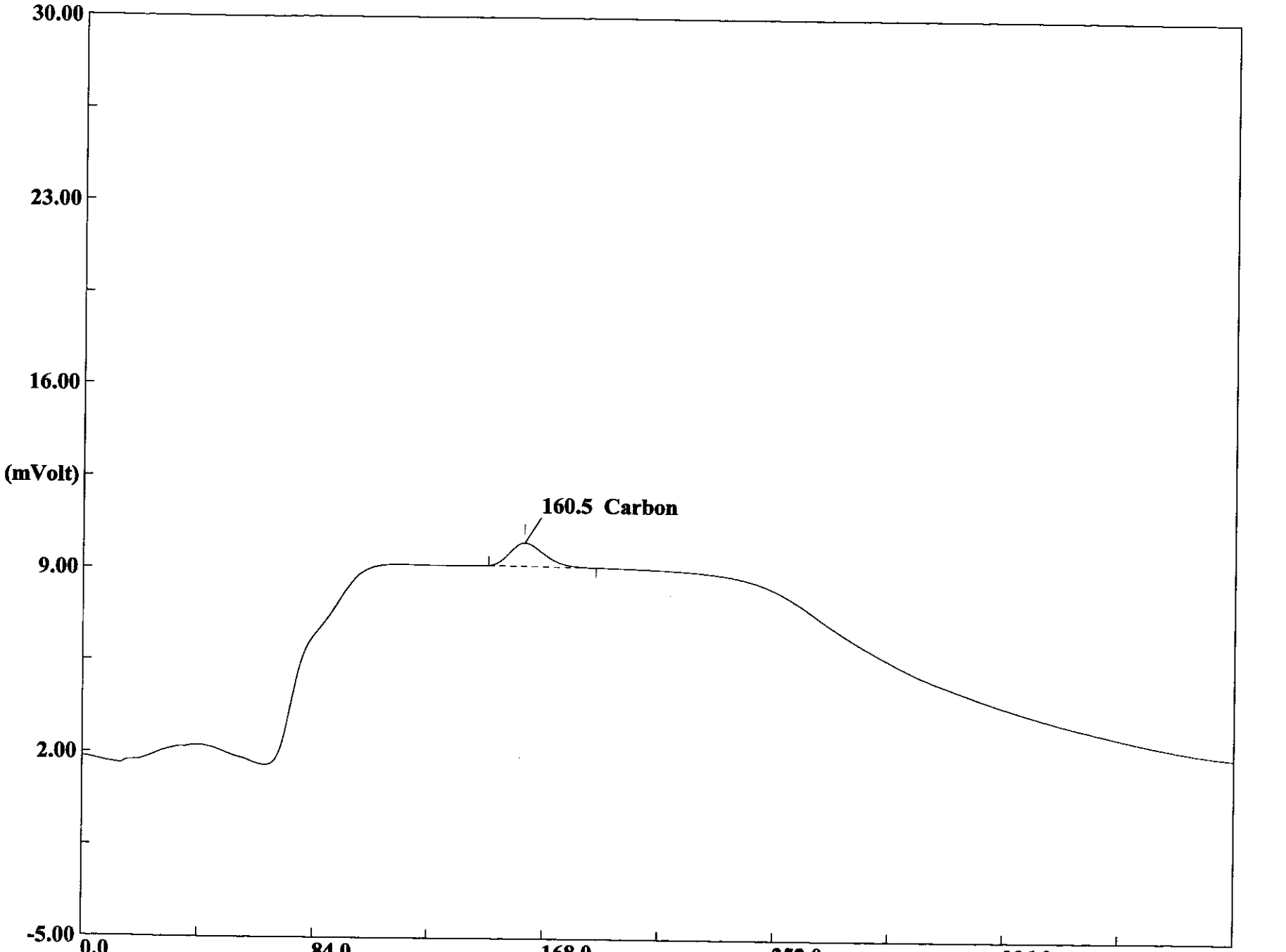
Sample name :l84td1a3 Analysed :11/01/2010 09:26

C0J210496

4297

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110134.DAT

Sample name :l84td1a3 Analysed :11/01/2010 09:26

Eager 300 Report

 Sample: 184td1a3 (A103110134)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110110.mth
Chromatogram : A103110134
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 09:26
Printed : 11/1/2010 13:23
Sample ID : 184td1a3 (# 21)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 21.2

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.2634	161	127227	mi	1.000000	

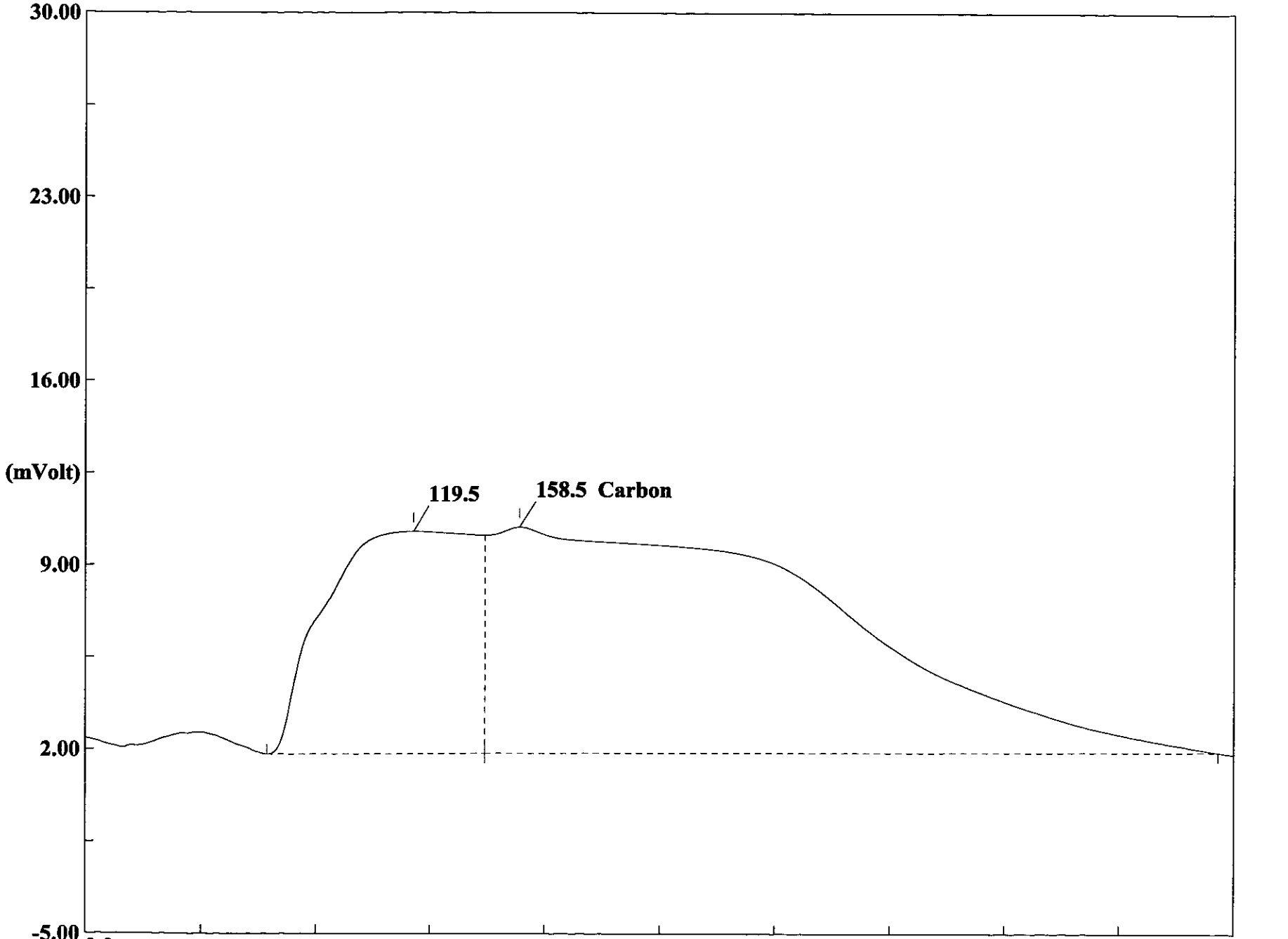
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4299

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110137.DAT

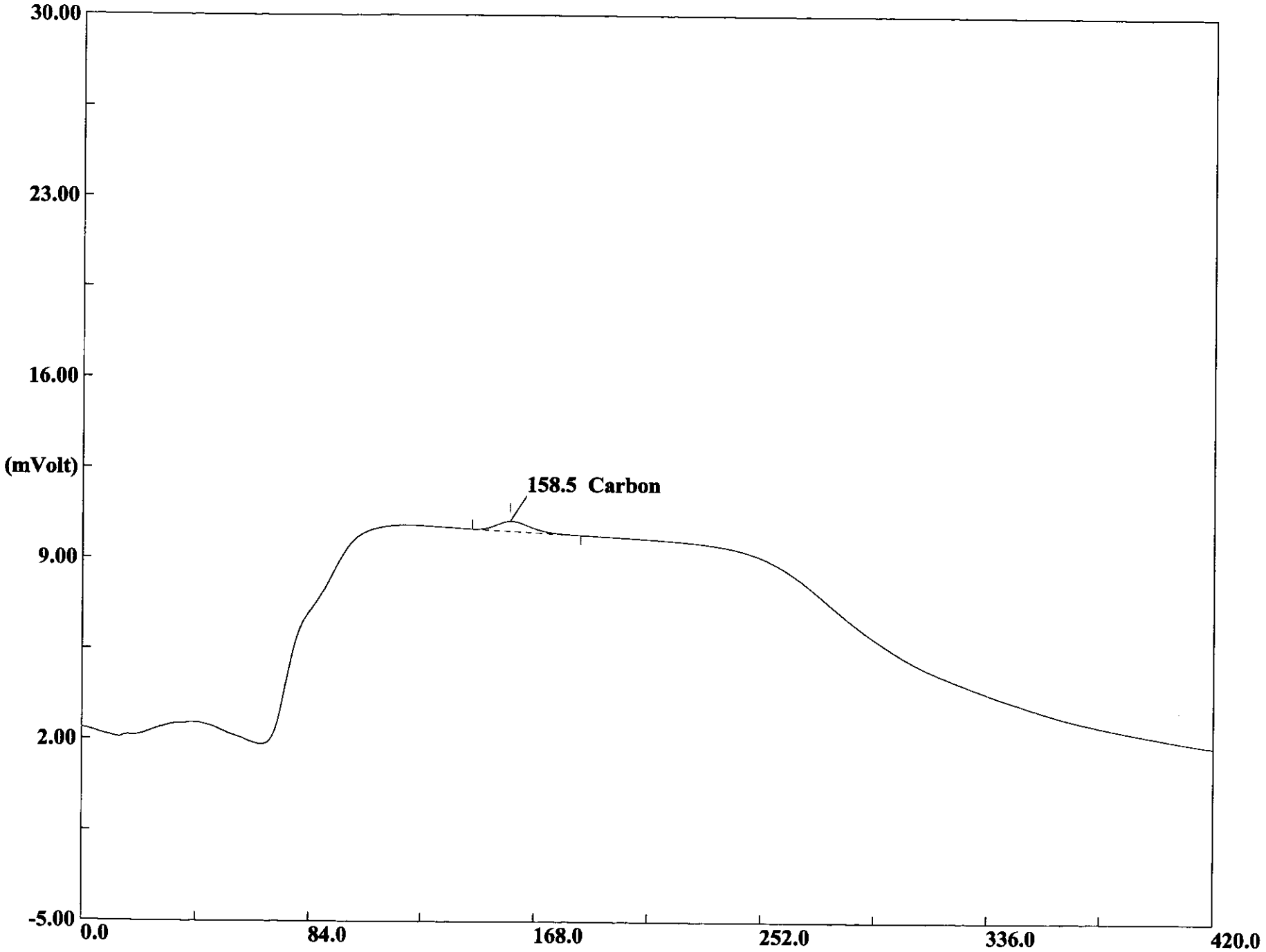
Sample name :l84td1a3 Analysed :11/01/2010 09:48

C0J210496

4300

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110137.DAT

Sample name :l84td1a3 Analysed :11/01/2010 09:48

Eager 300 Report

 Sample: 184td1a3 (A103110137)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110110.mth
Chromatogram : A103110137
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 09:48 Printed : 11/1/2010 13:23
Sample ID : 184td1a3 (# 22) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 21.2

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1026	159	54801	mi	1.000000	

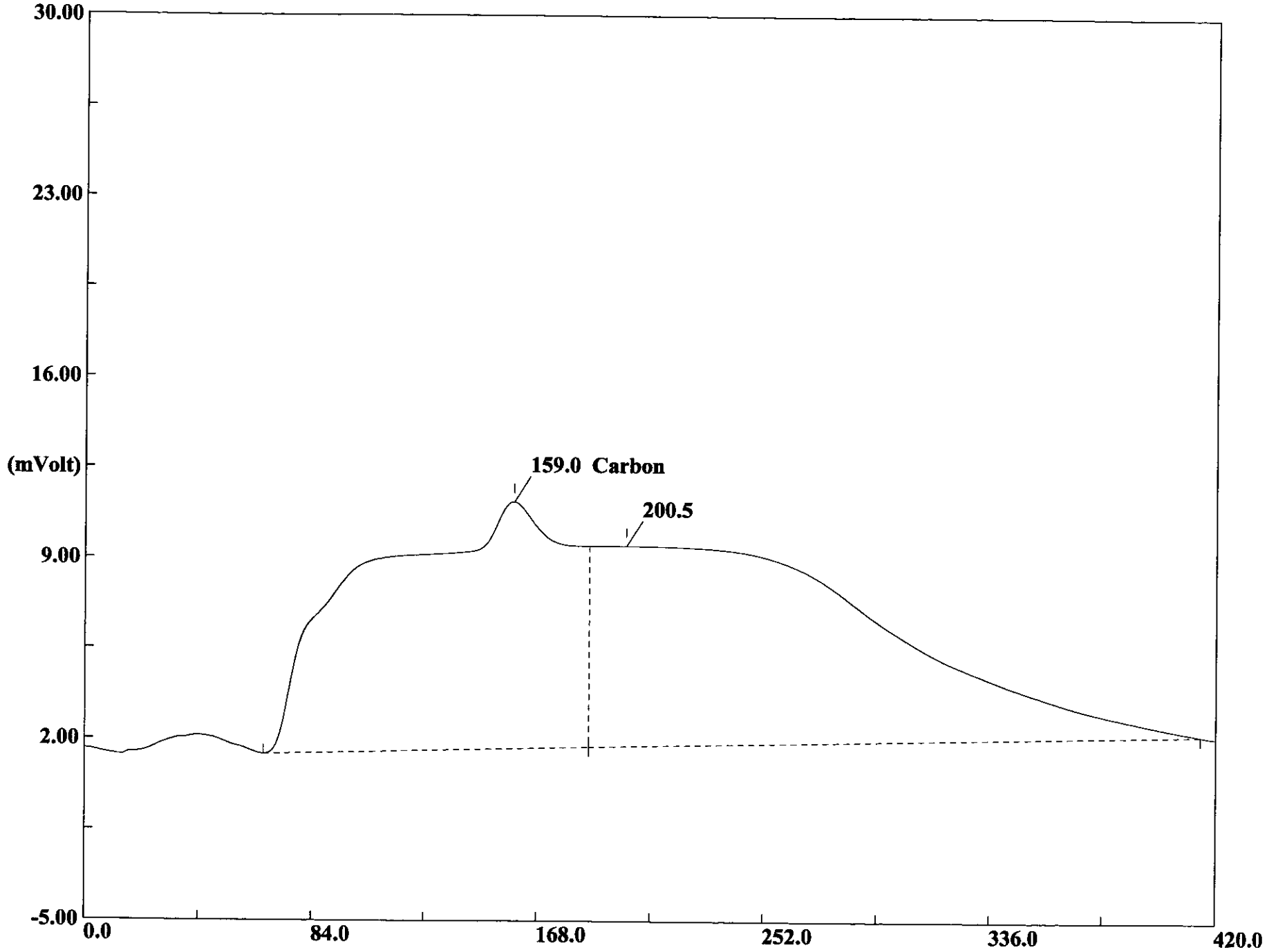
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4302

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110138.DAT

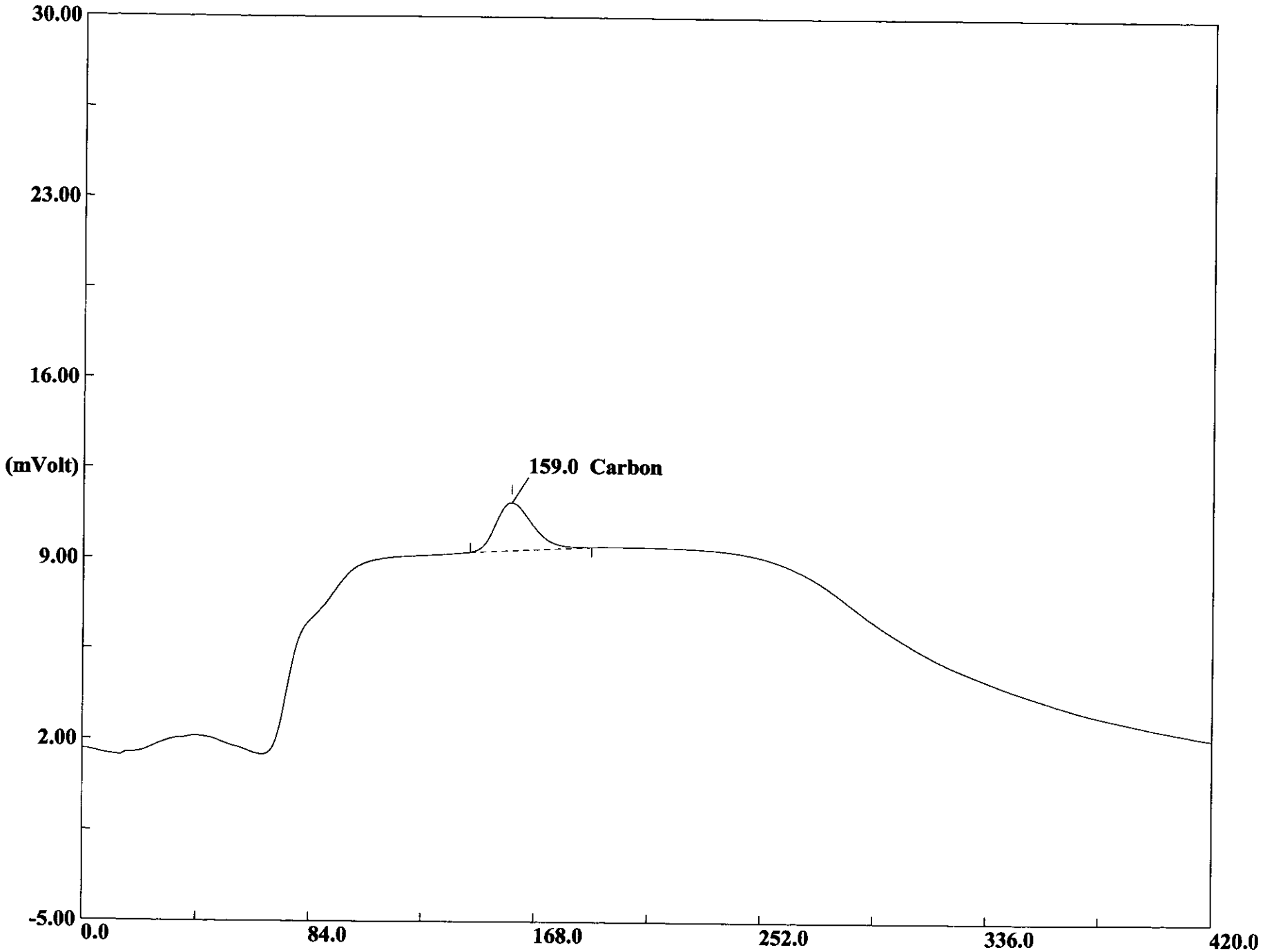
Sample name :l84td1a3 Analysed :11/01/2010 09:55

C0J210496

4303

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110138.DAT

Sample name :l84td1a3 Analysed :11/01/2010 09:55

Eager 300 Report

Page: 1 Sample: 184td1a3 (A103110138)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110110.mth
Chromatogram : A103110138
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 09:55 Printed : 11/1/2010 13:23
Sample ID : 184td1a3 (# 23) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20.5

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.6461	159	290003	mi	1.000000	

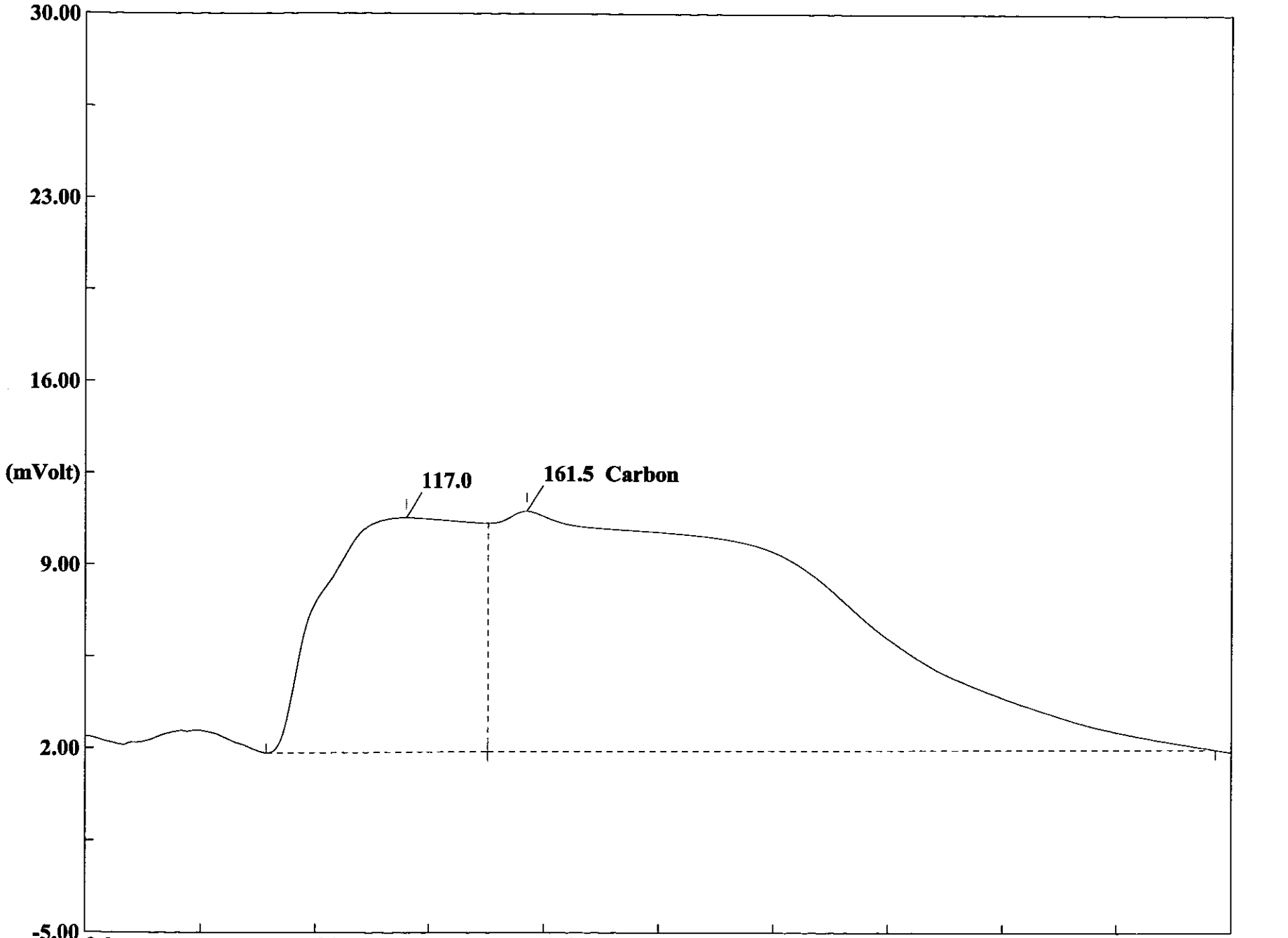
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4305

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110141.DAT

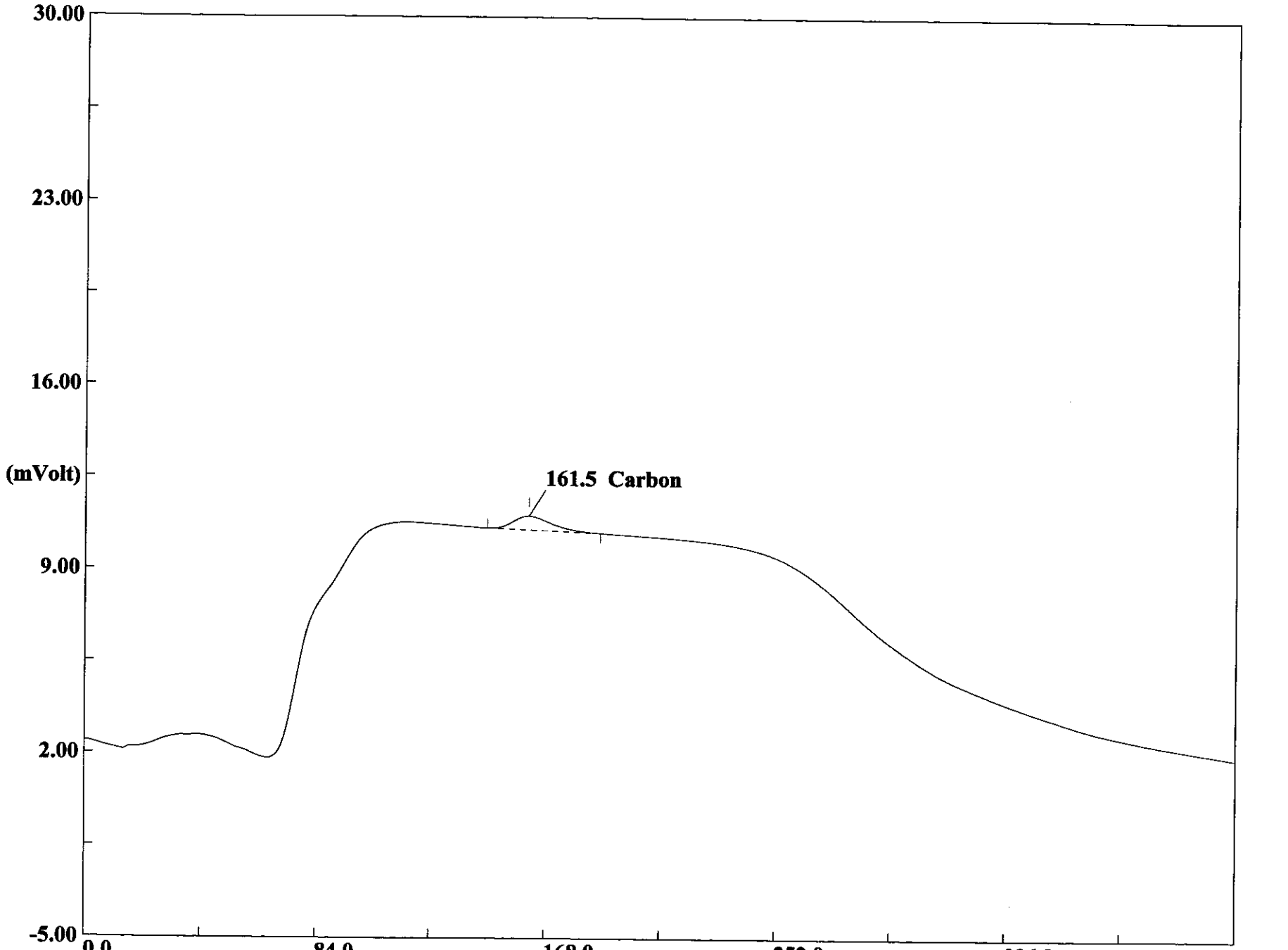
Sample name :l84te1a3 Analysed :11/01/2010 10:17

C0J210496

4306

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110141.DAT

Sample name :l84te1a3 Analysed :11/01/2010 10:17

Eager 300 Report

 Sample: 184te1a3 (A103110141)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110110.mth
Chromatogram : A103110141
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 10:17 Printed : 11/1/2010 13:23
Sample ID : 184te1a3 (# 24) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20.2

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1778	162	84902	mi	1.000000	

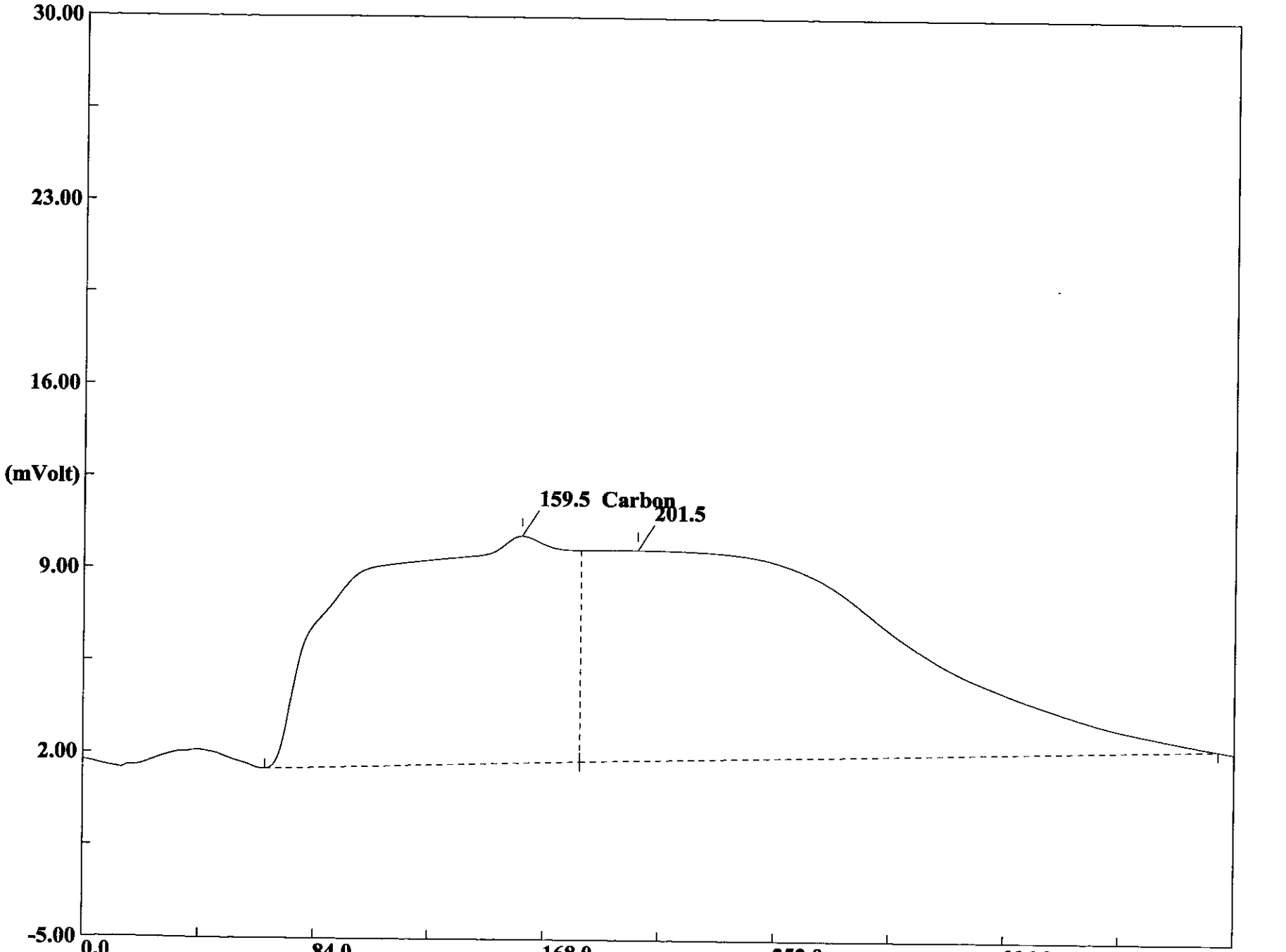
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4308

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110142.DAT

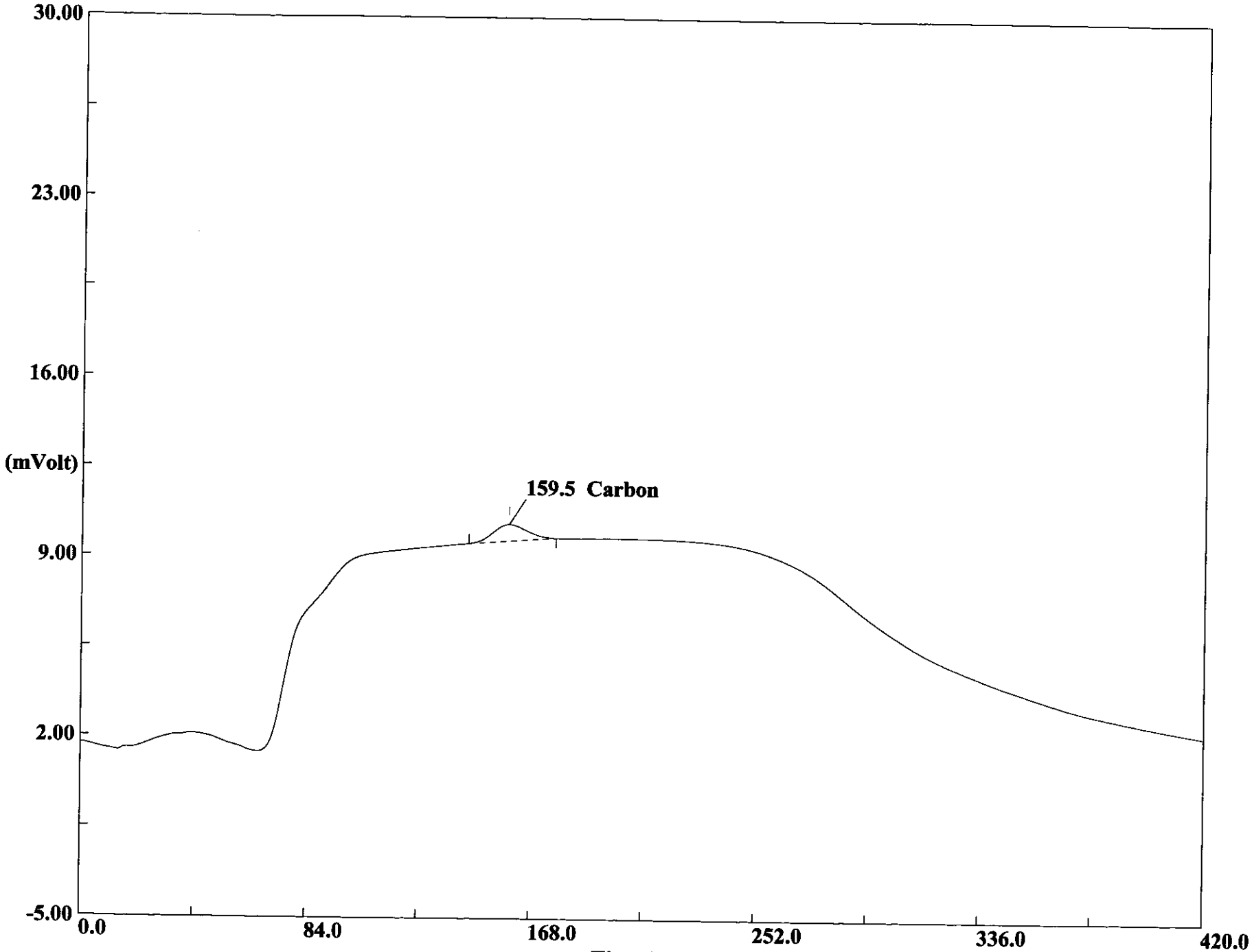
Sample name :l84te1a3 Analysed :11/01/2010 10:24

C0J210496

4309

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110142.DAT

Sample name :l84te1a3 Analysed :11/01/2010 10:24

Eager 300 Report

 Sample: 184te1a3 (A103110142)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110110.mth
Chromatogram : A103110142
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 10:24 Printed : 11/1/2010 13:23
Sample ID : 184te1a3 (# 25) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20.3

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1973	160	93702	mi	1.000000	

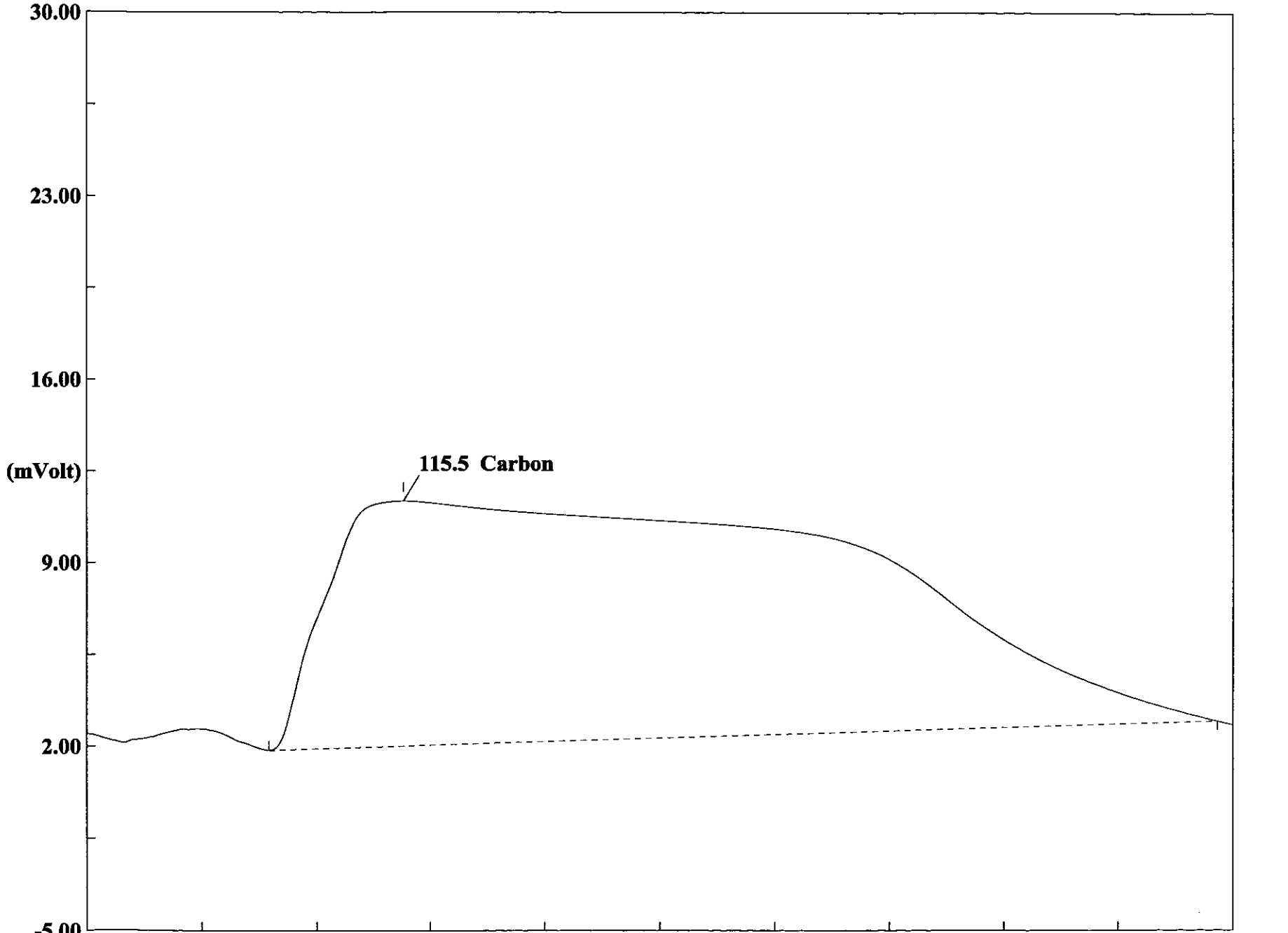
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4311

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110145.DAT

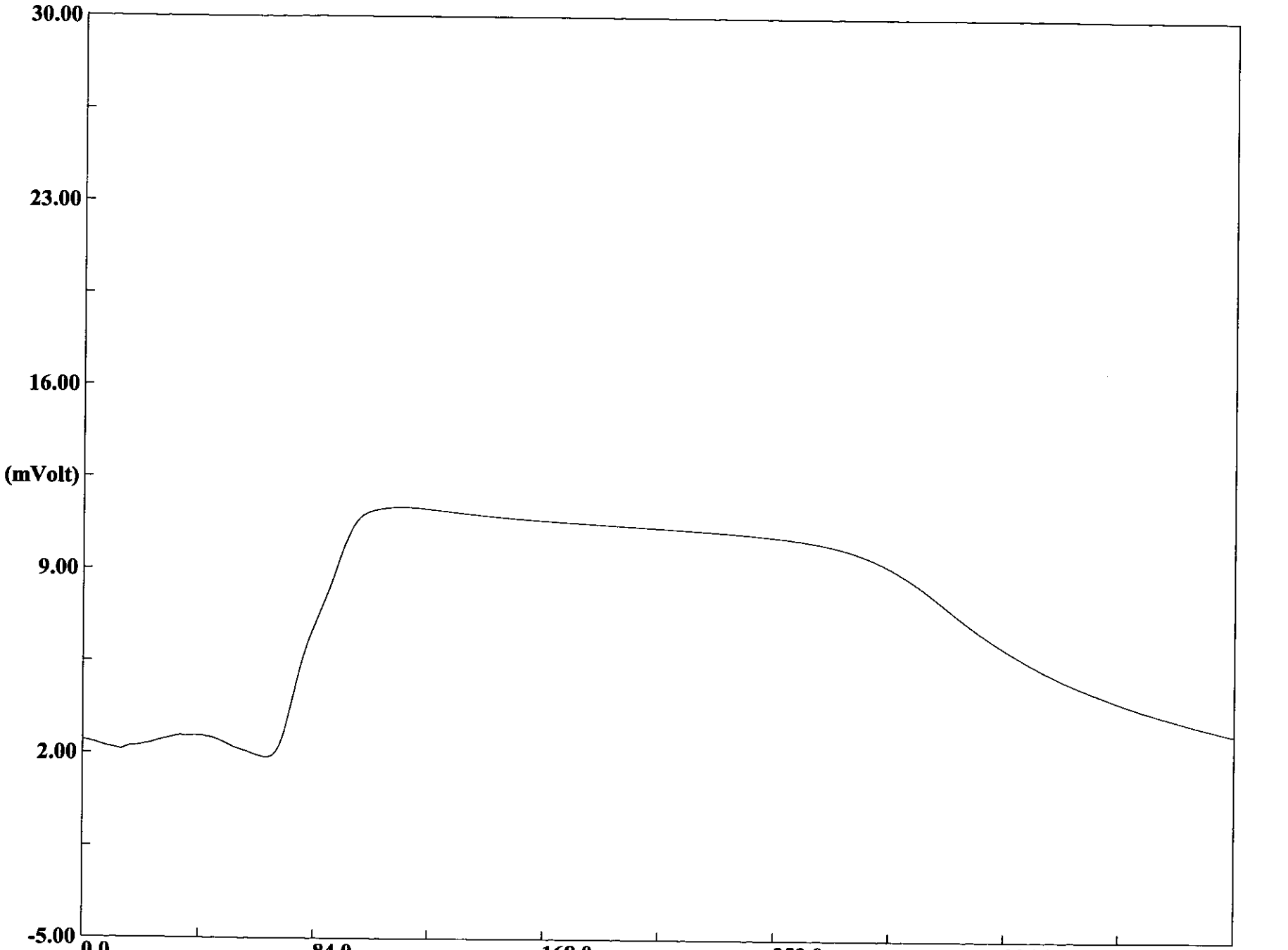
Sample name :ccb Analysed :11/01/2010 10:45

C0J210496

4312

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110145.DAT

Sample name :ccb Analysed :11/01/2010 10:45

Eager 300 Report

Page: 1 Sample: ccb (A103110145)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110110.mth
Chromatogram : A103110145
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 10:45 Printed : 11/1/2010 13:23
Sample ID : ccb (# 26) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

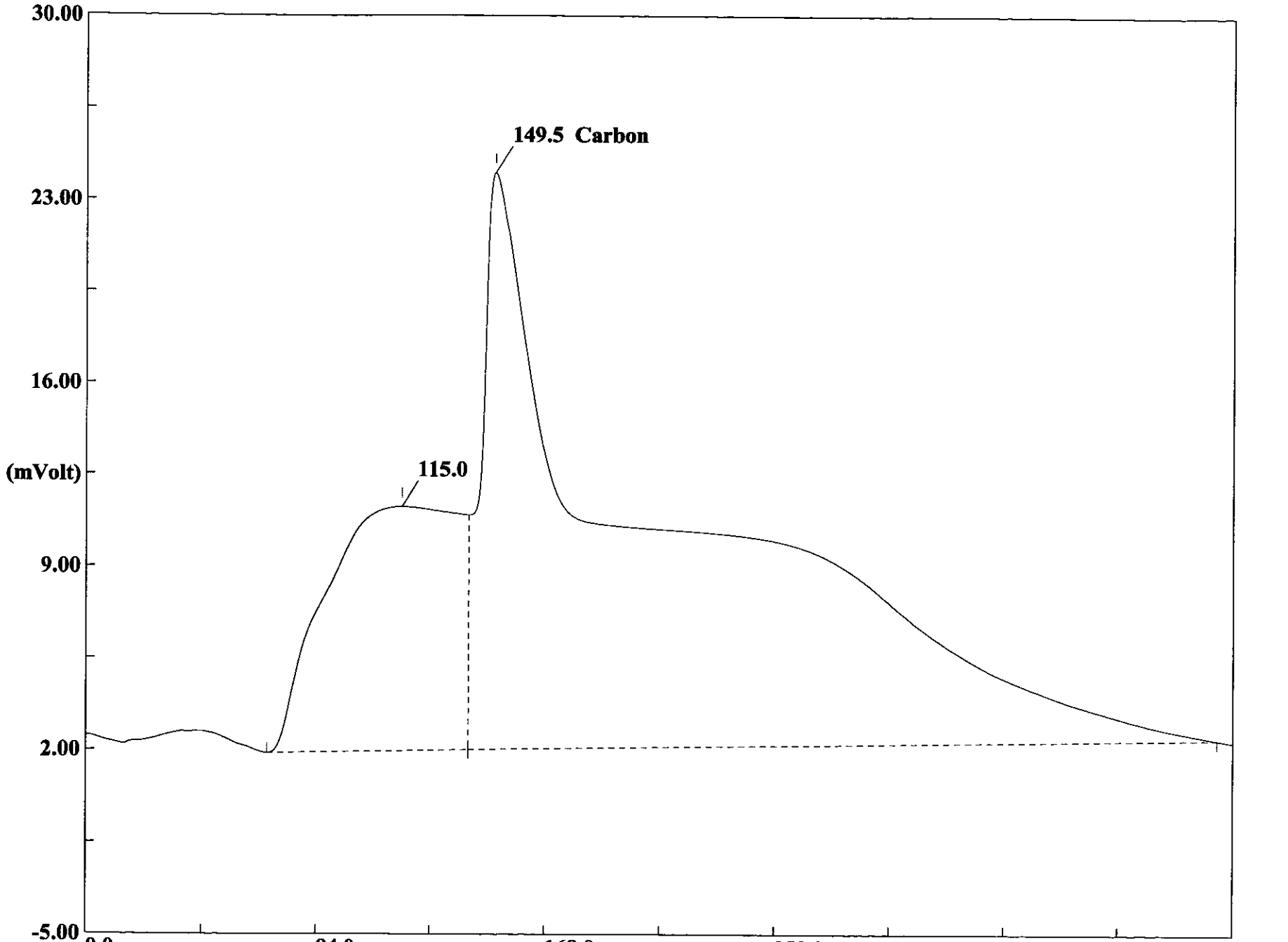
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4314

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110146.DAT

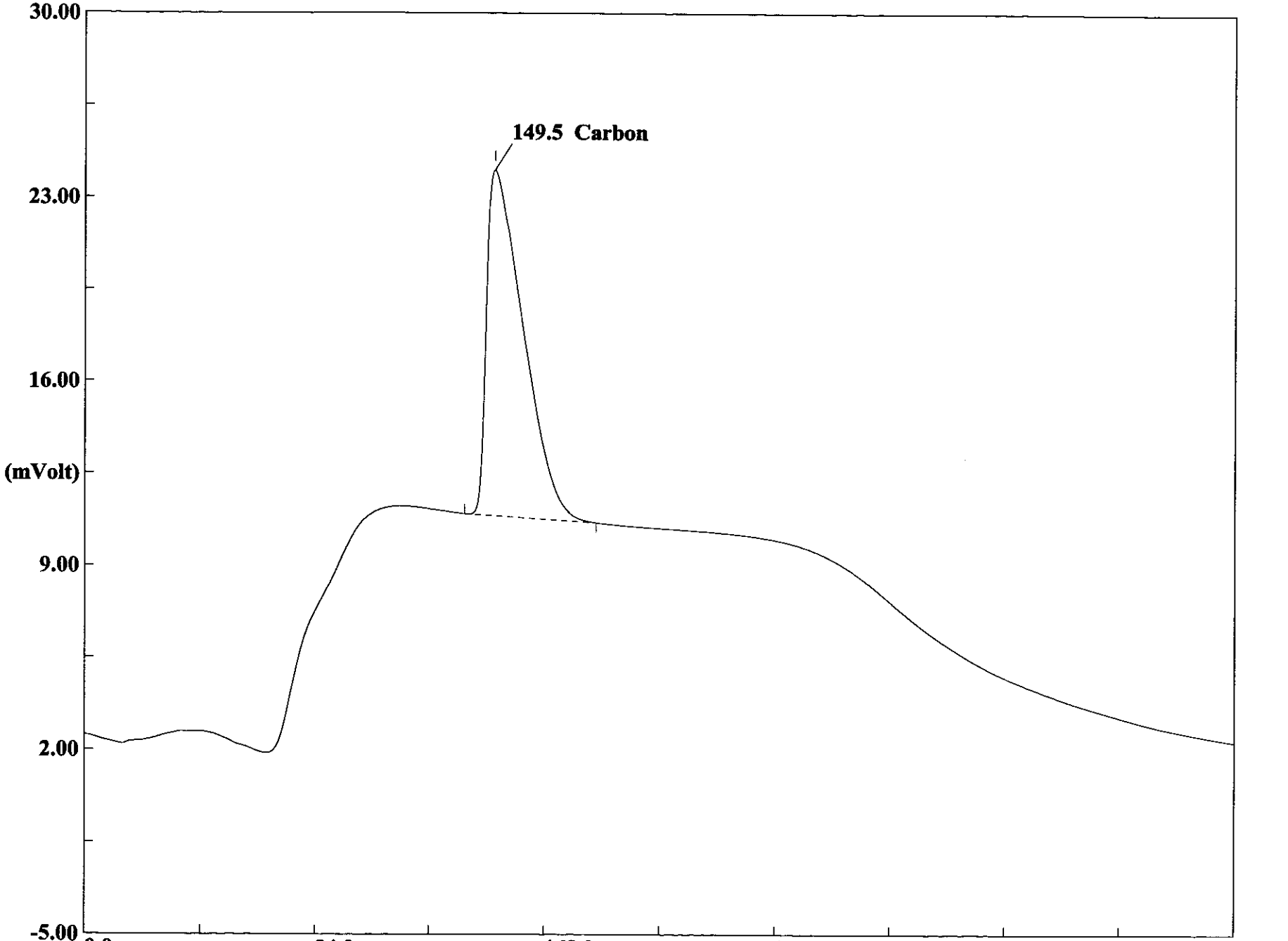
Sample name :ccv Analysed :11/01/2010 10:53

C0J210496

4315

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110146.DAT

Sample name :ccv Analysed :11/01/2010 10:53

Eager 300 Report

 Sample: ccv (A103110146)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110110.mth
Chromatogram : A103110146
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 10:53 Printed : 11/1/2010 13:23
Sample ID : ccv (# 27) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9518	150	2030960	mi	1.000000	

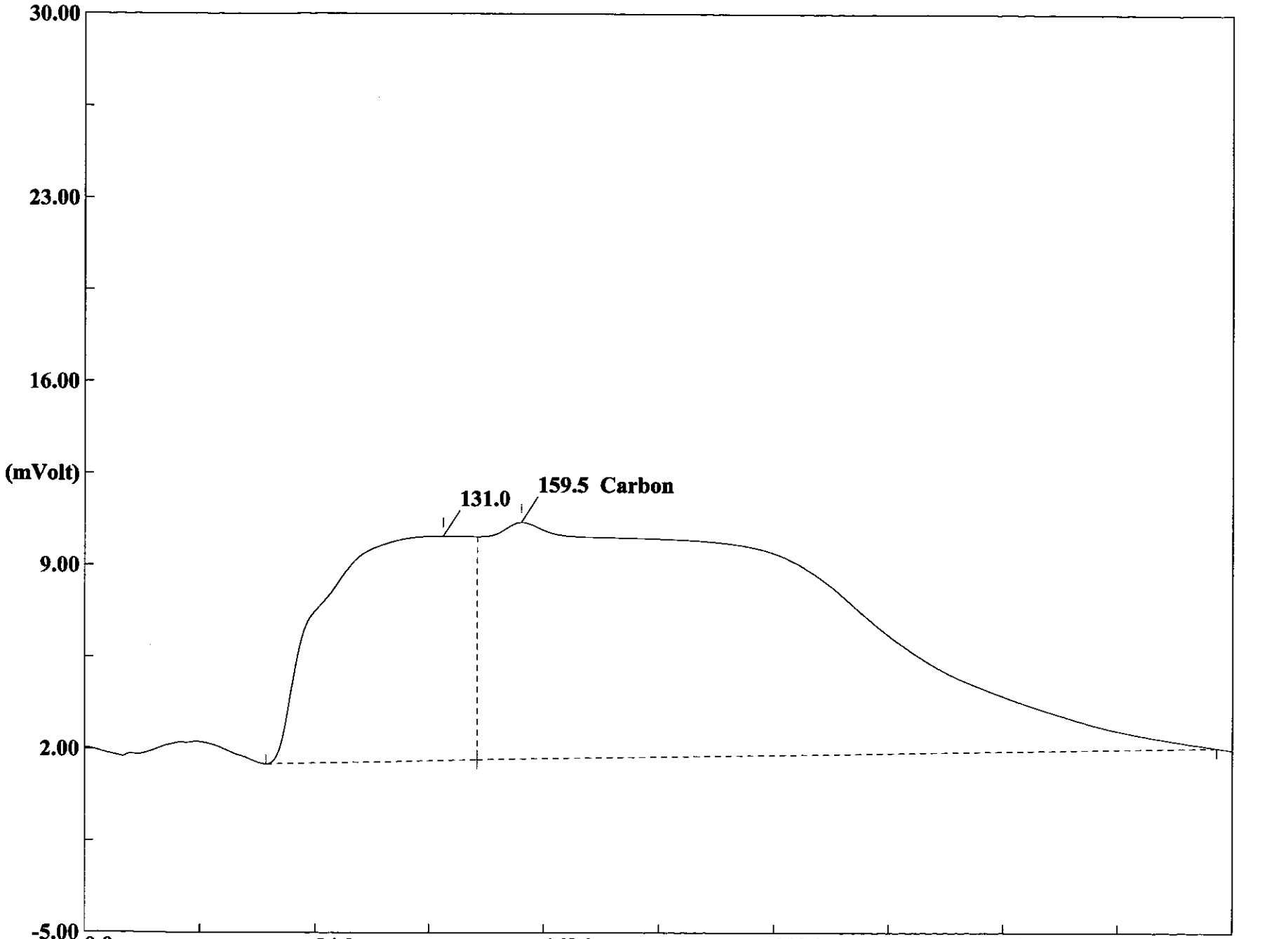
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4317

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110147.DAT

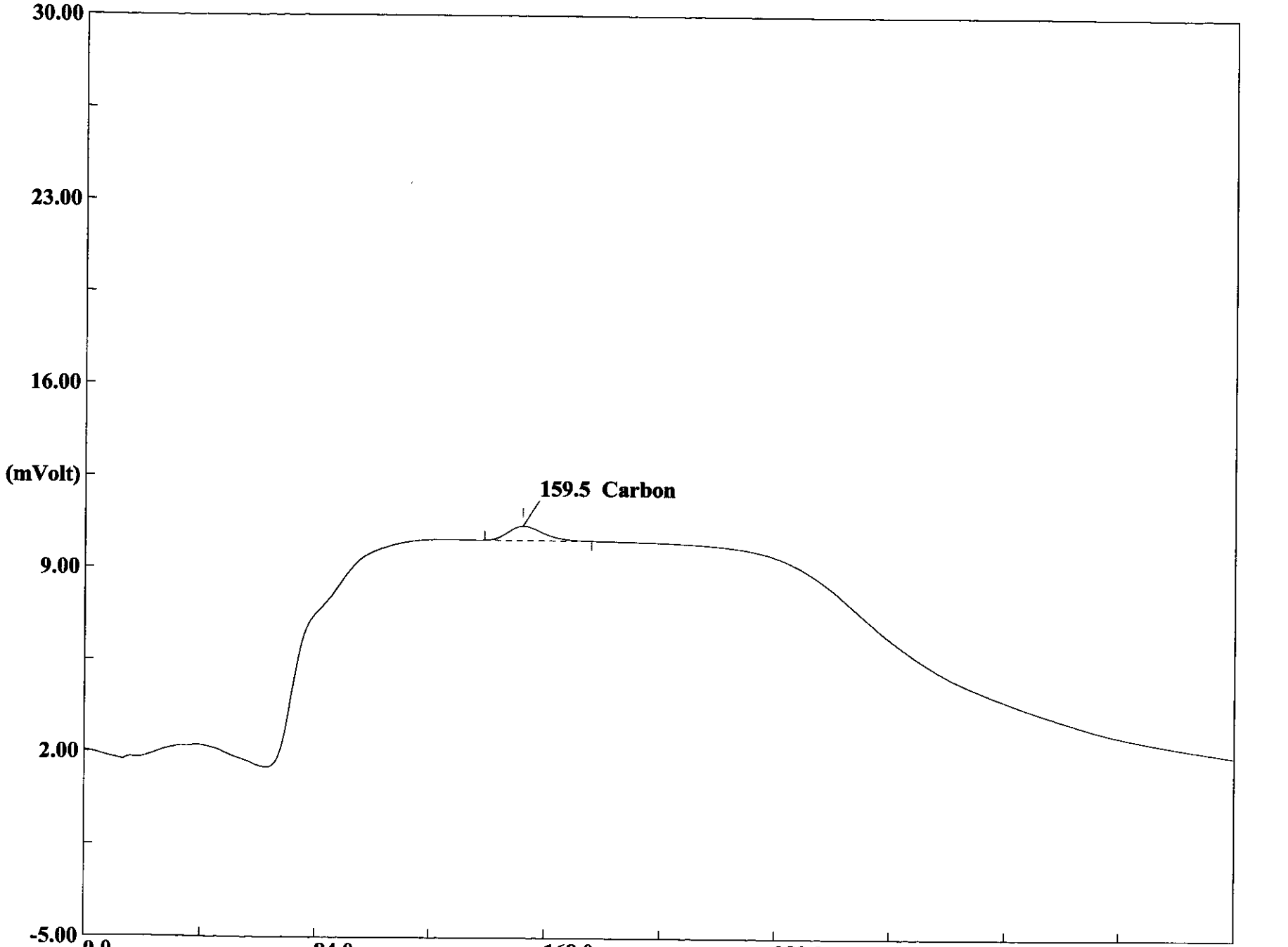
Sample name :l84te1a3 Analysed :11/01/2010 11:00

C0J210496

4318

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110147.DAT

Sample name :l84te1a3 Analysed :11/01/2010 11:00

Eager 300 Report

 Sample: 184te1a3 (A103110147)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110110.mth
Chromatogram : A103110147
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 11:00 Printed : 11/1/2010 13:23
Sample ID : 184te1a3 (# 28) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 21

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1621	160	80921	mi	1.000000	

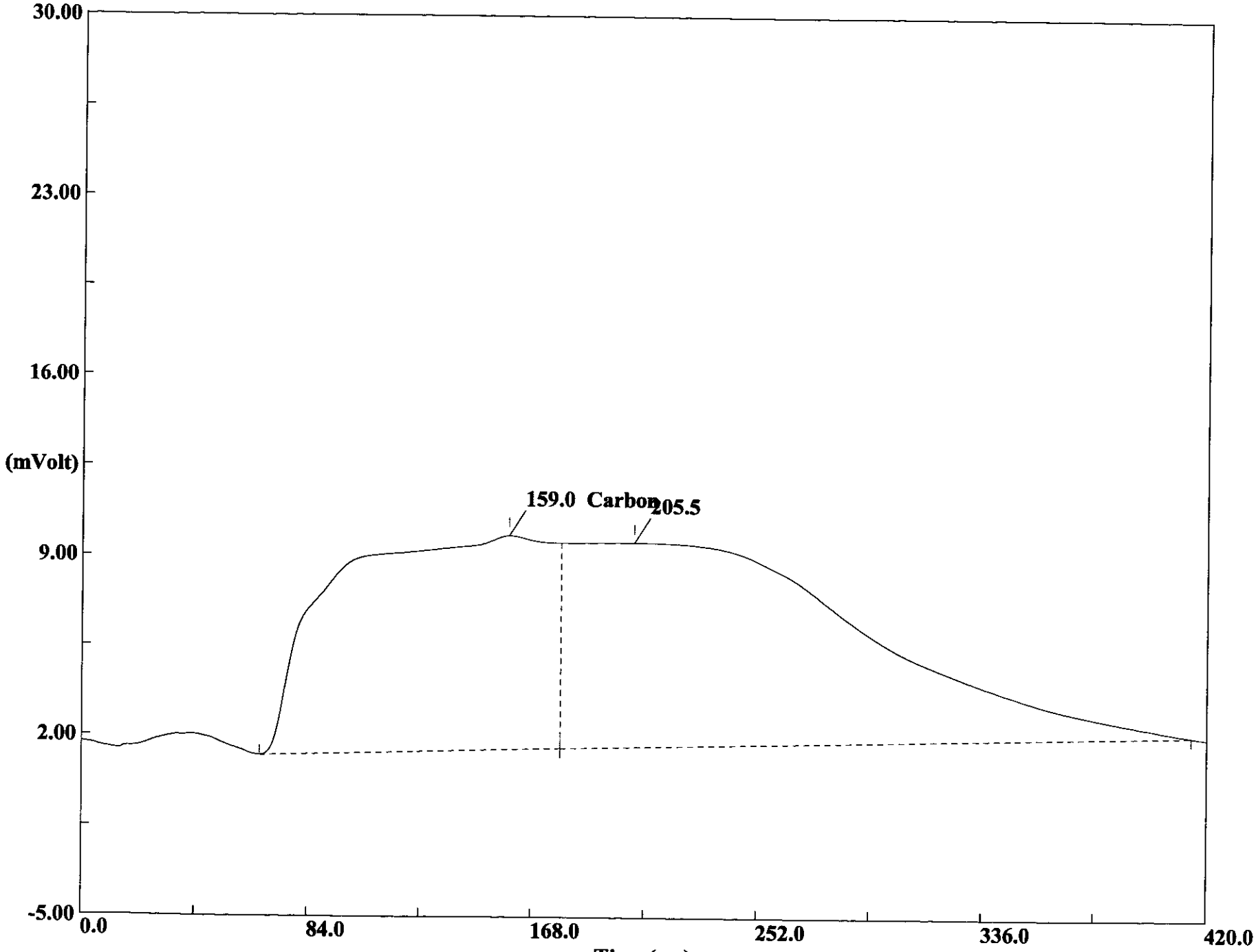
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4320

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110148.DAT

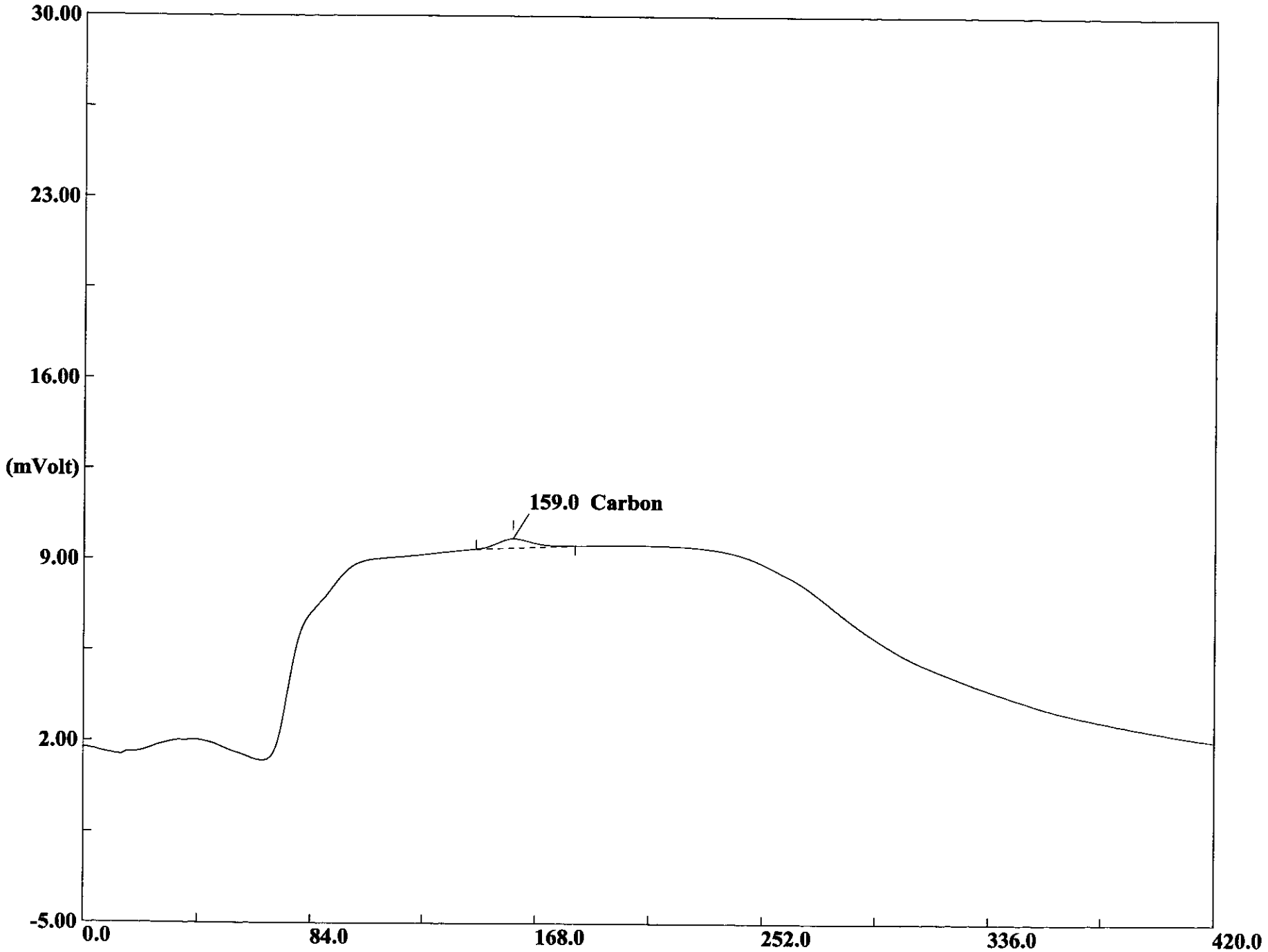
Sample name :l84te1a3 Analysed :11/01/2010 11:07

C0J210496

4321

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110148.DAT

Sample name :l84te1a3 Analysed :11/01/2010 11:07

Eager 300 Report

Page: 1 Sample: 184te1a3 (A103110148)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110110.mth
Chromatogram : A103110148
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 11:07 Printed : 11/1/2010 13:23
Sample ID : 184te1a3 (# 29) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 21.5

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0981	159	53395	mi	1.000000	

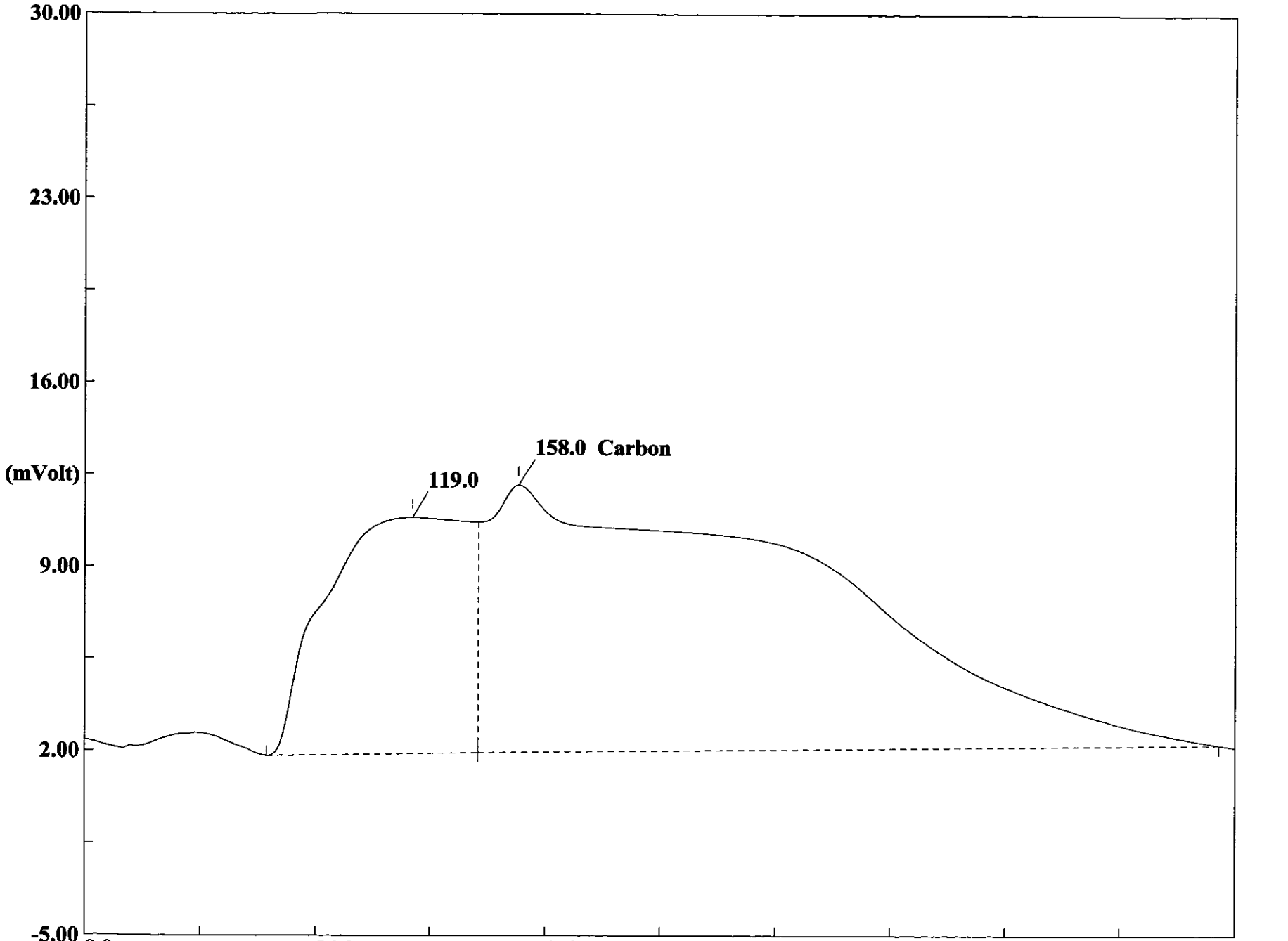
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4323

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110151.DAT

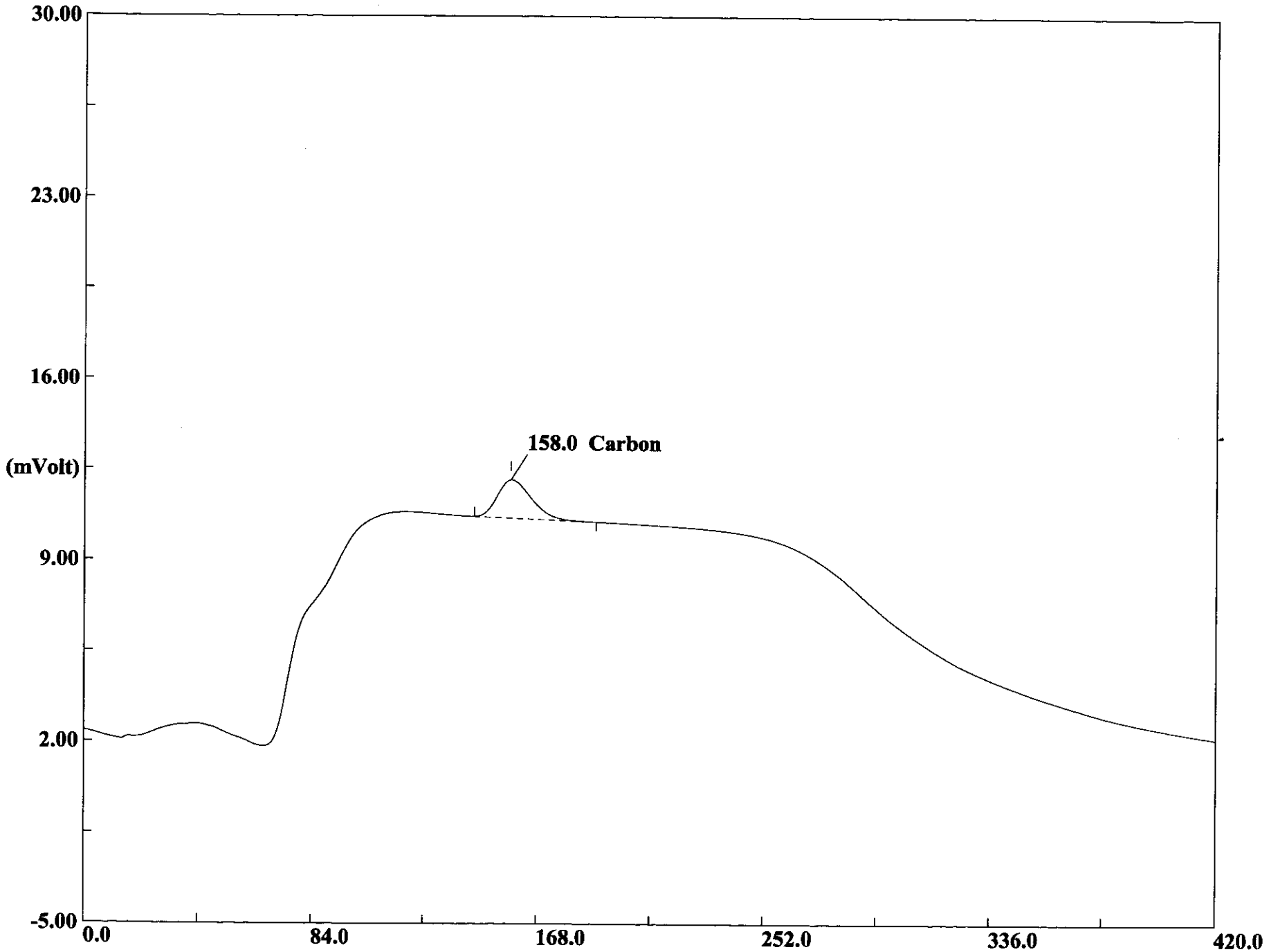
Sample name :l87wr1ac Analysed :11/01/2010 11:29

C0J210496

4324

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110151.DAT

Sample name :l87wr1ac Analysed :11/01/2010 11:29

Eager 300 Report

Page: 1 Sample: 187wr1ac (A103110151)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110110.mth
Chromatogram : A103110151
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 11:29 Printed : 11/1/2010 13:24
Sample ID : 187wr1ac (# 30) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 11

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8762	158	213370	mi	1.000000	

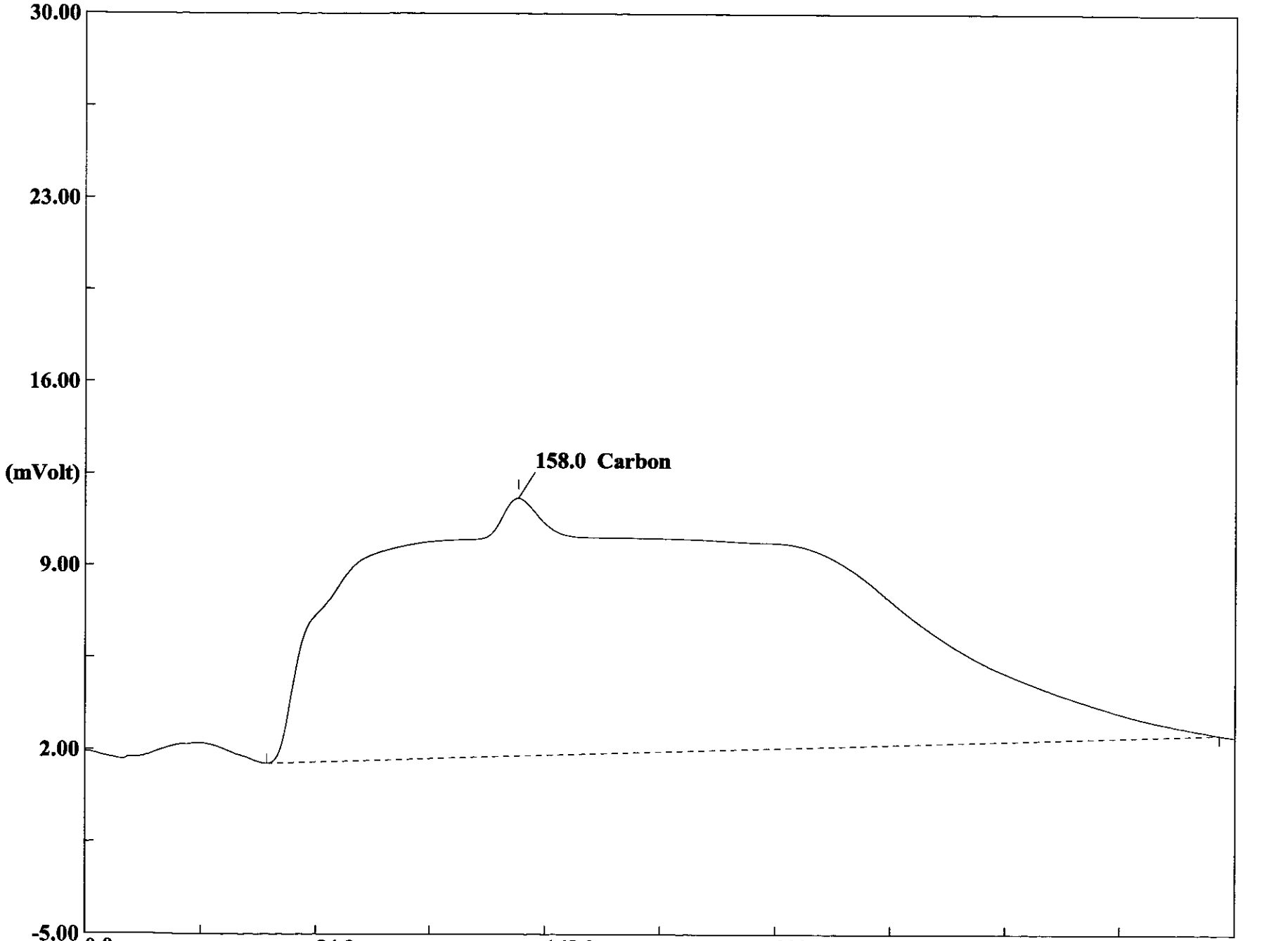
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4326

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110152.DAT

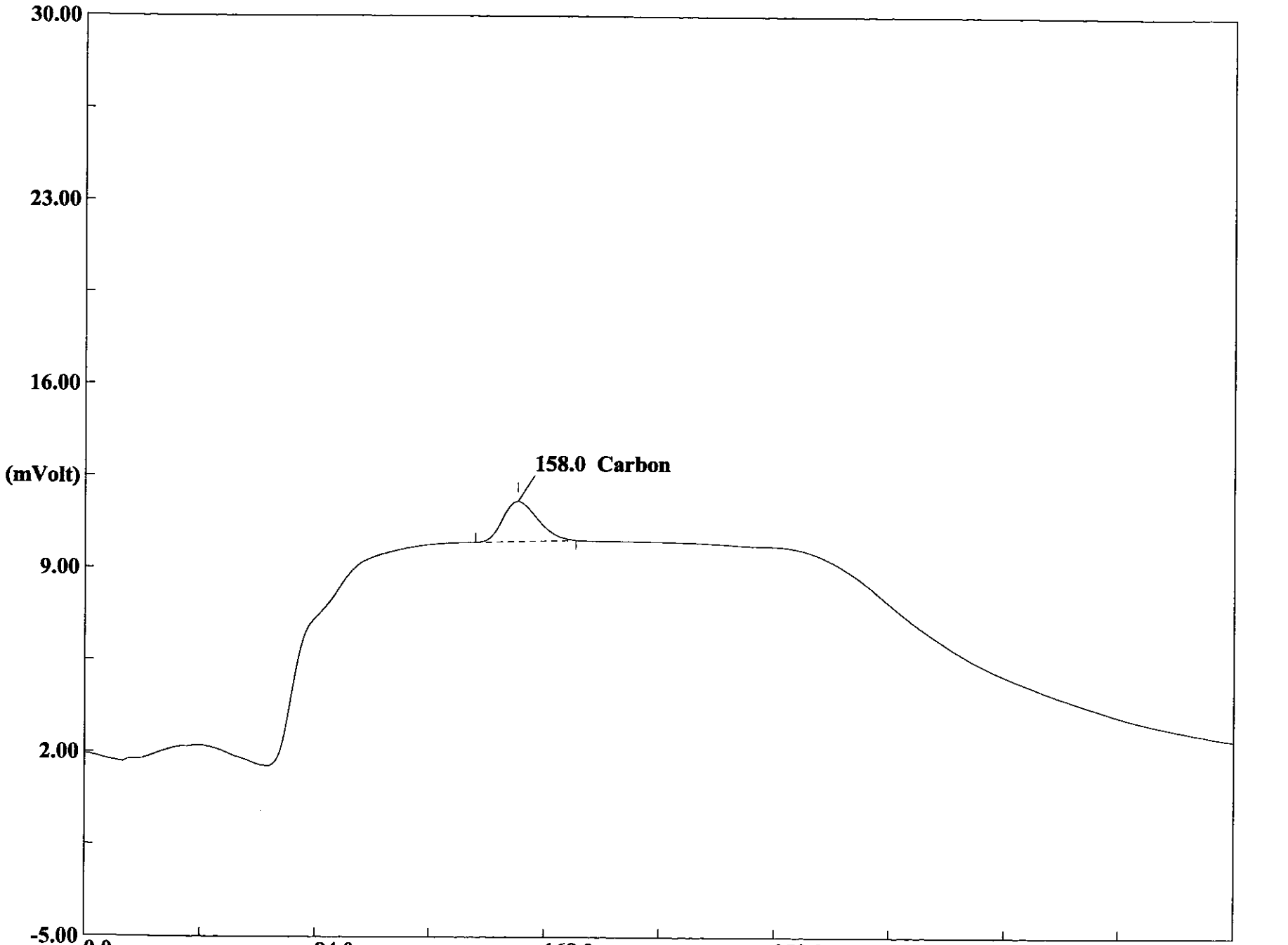
Sample name :l87wr1ac Analysed :11/01/2010 11:36

C0J210496

4327

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110152.DAT

Sample name :l87wr1ac Analysed :11/01/2010 11:36

Eager 300 Report

Page: 1 Sample: 187wr1ac (A103110152)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110110.mth
Chromatogram : A103110152
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 11:36 Printed : 11/1/2010 13:24
Sample ID : 187wr1ac (# 31) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 11.9

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8543	158	224594	mi	1.000000	

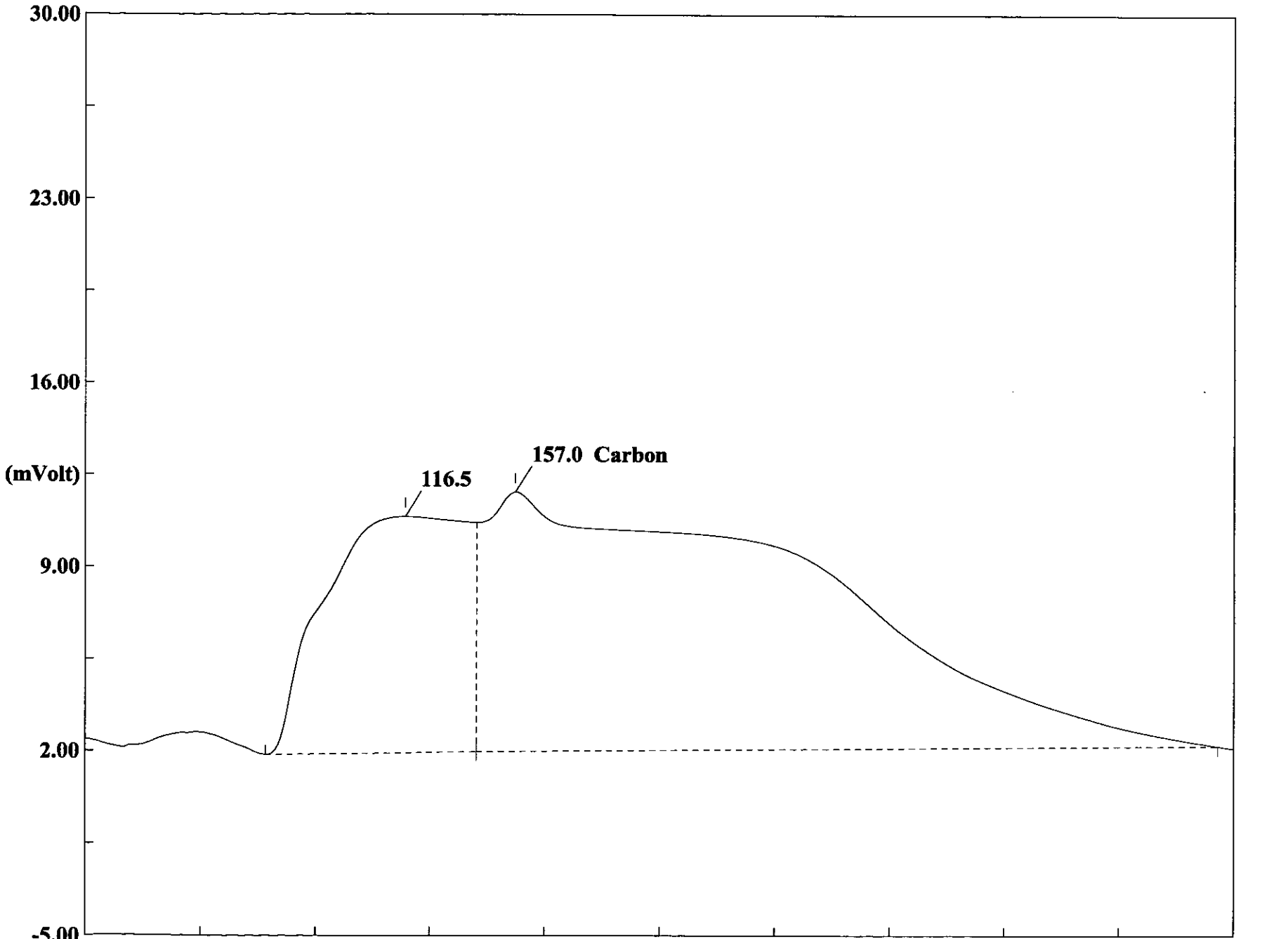
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4329

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110155.DAT

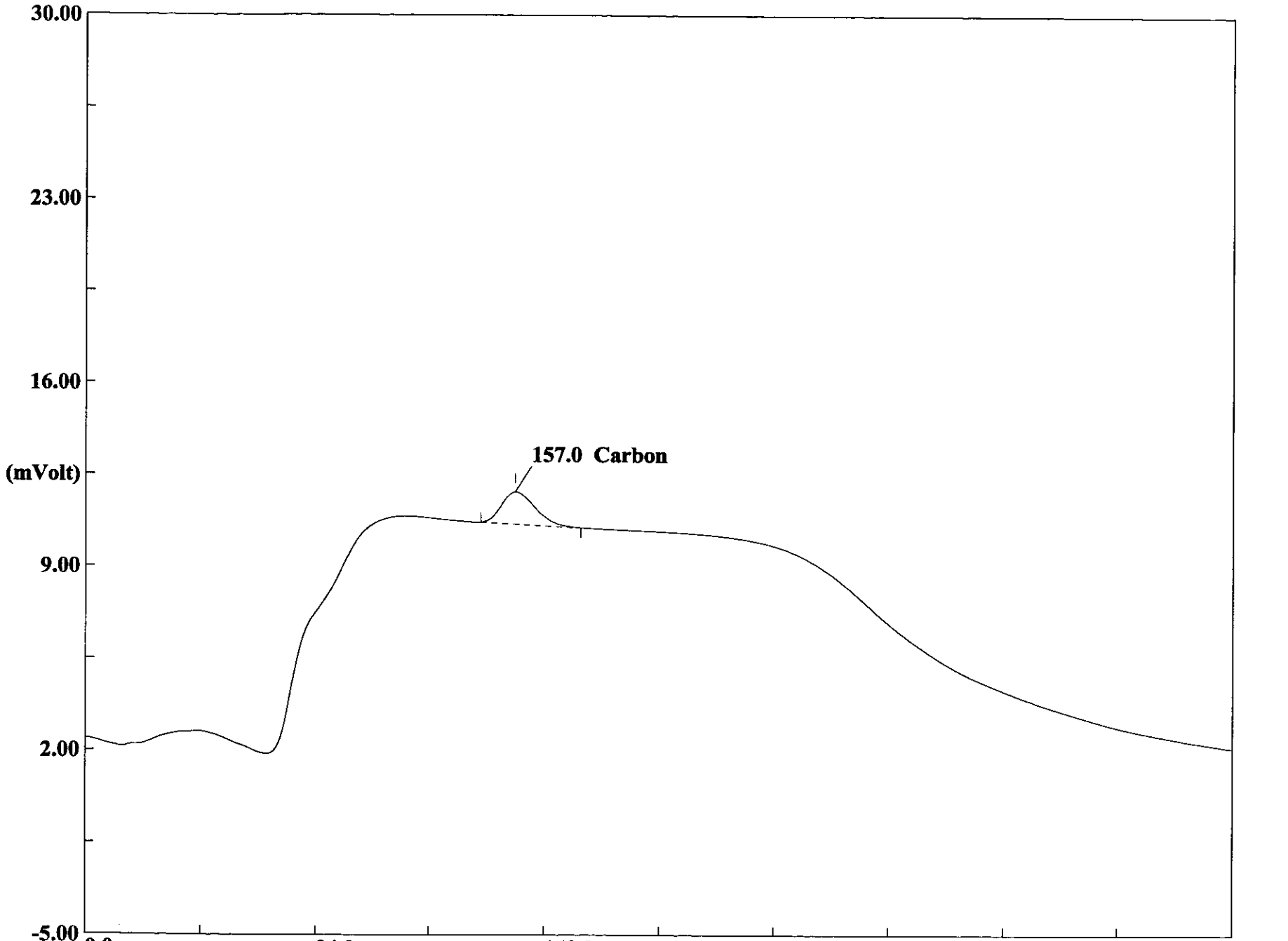
Sample name :l87w01ac Analysed :11/01/2010 11:58

C0J210496

4330

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110155.DAT

Sample name :l87w01ac Analysed :11/01/2010 11:58

Eager 300 Report

 Sample: 187w01ac (A103110155)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110110.mth
Chromatogram : A103110155
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 11:58
Printed : 11/1/2010 13:24
Sample ID : 187w01ac (# 32)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 9.6

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8020	157	172180	mi	1.000000	

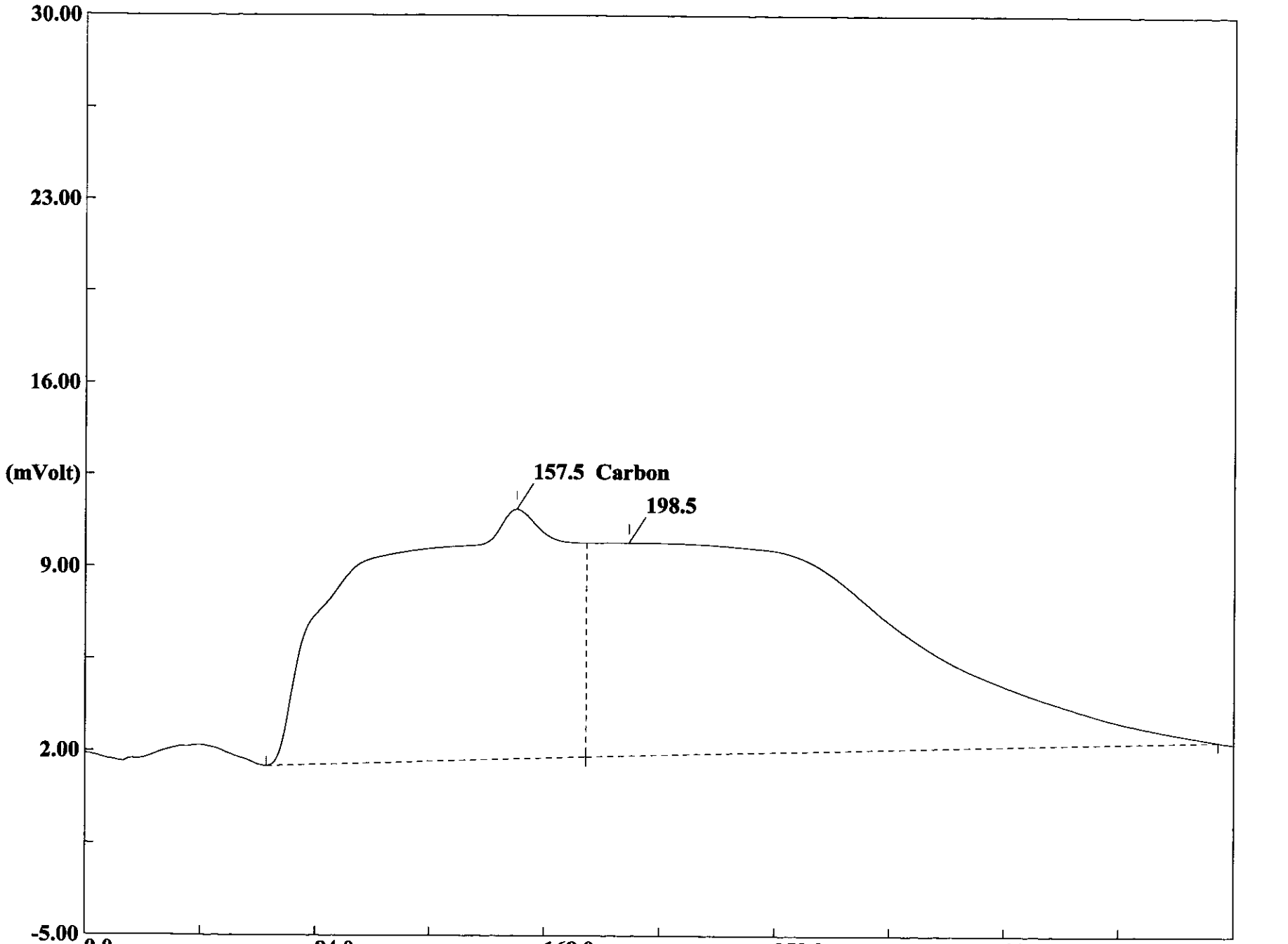
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4332

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110156.DAT

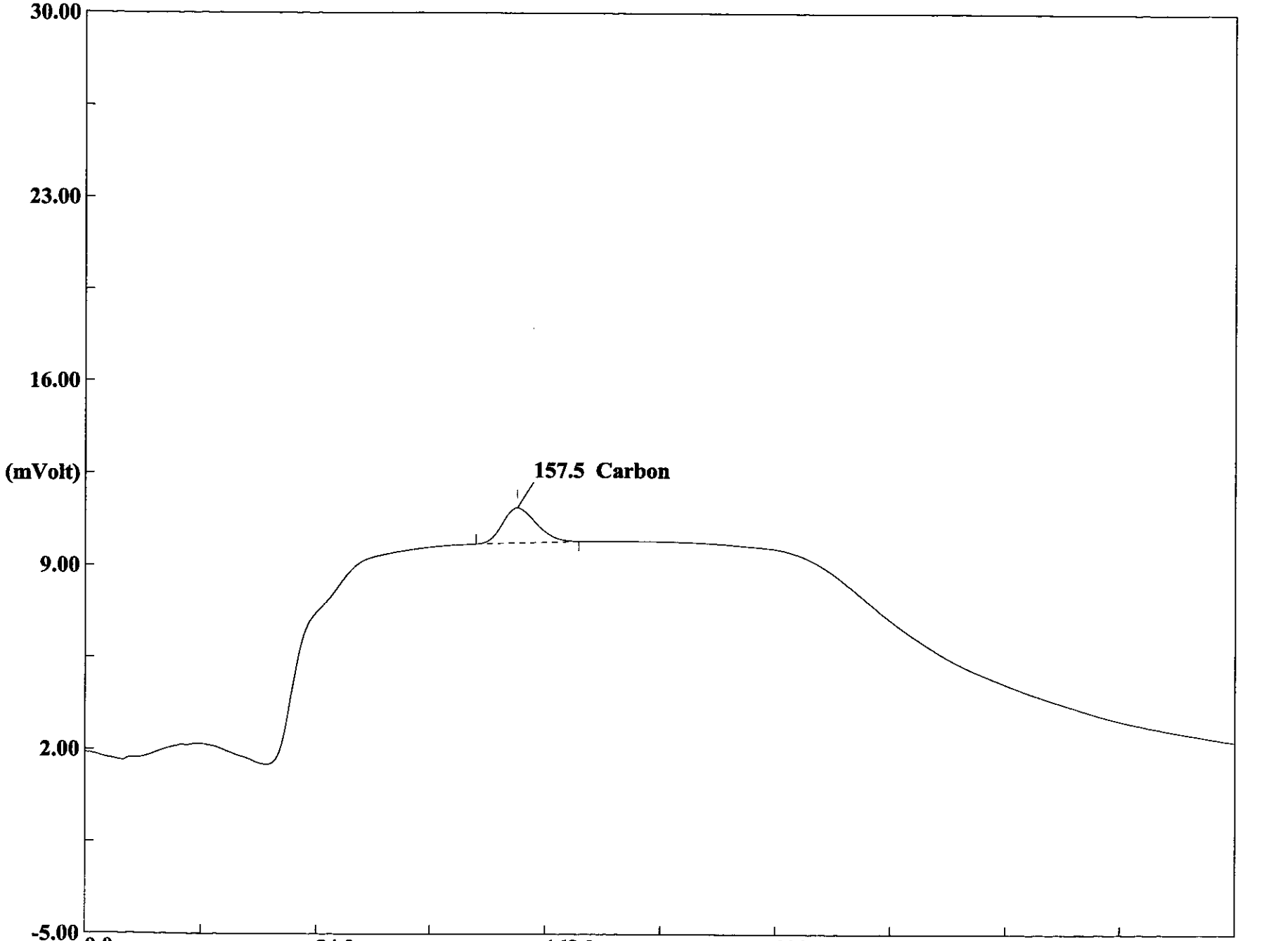
Sample name :l87w01ac Analysed :11/01/2010 12:05

C0J210496

4333

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110156.DAT

Sample name :l87w01ac Analysed :11/01/2010 12:05

Eager 300 Report

Page: 1 Sample: 187w01ac (A103110156)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110110.mth
Chromatogram : A103110156
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 12:05 Printed : 11/1/2010 13:24
Sample ID : 187w01ac (# 33) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.9

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.7824	158	189794	mi	1.000000	

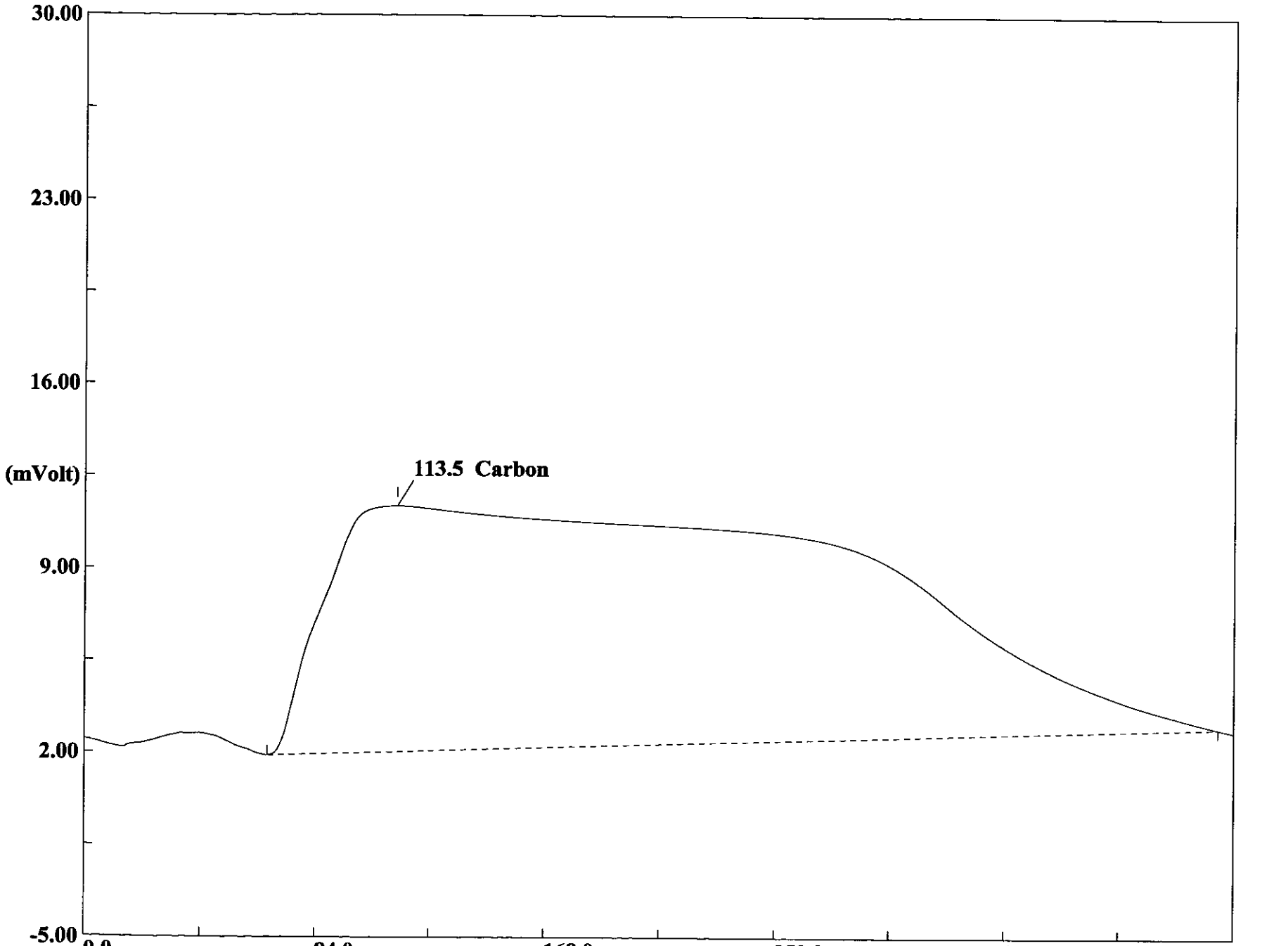
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4335

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110159.DAT

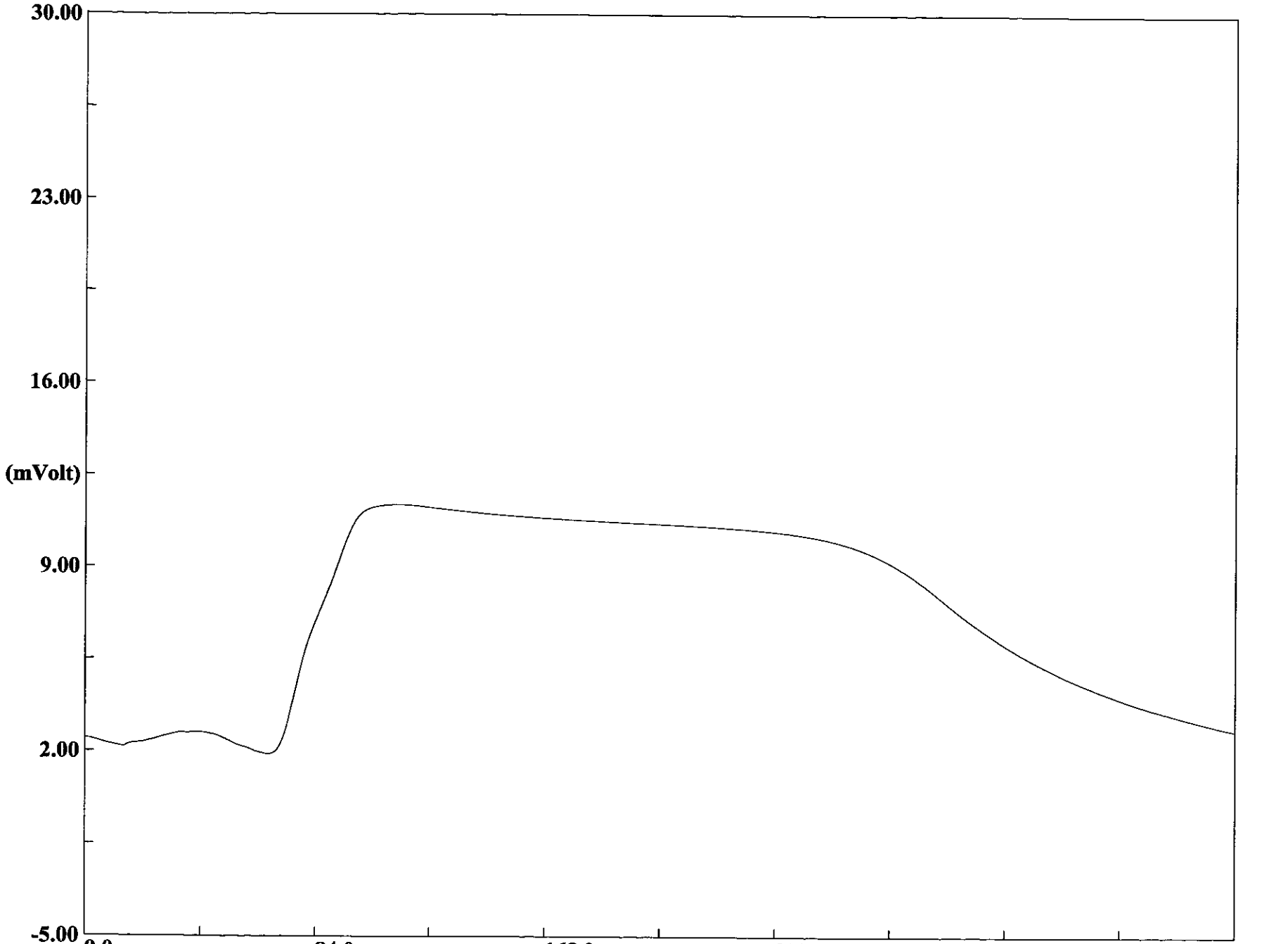
Sample name :ccb Analysed :11/01/2010 12:27

C0J210496

4336

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110159.DAT

Sample name :ccb Analysed :11/01/2010 12:27

Eager 300 Report

Page: 1 Sample: ccb (A103110159)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110110.mth
Chromatogram : A103110159
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 12:27 Printed : 11/1/2010 13:24
Sample ID : ccb (# 34) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

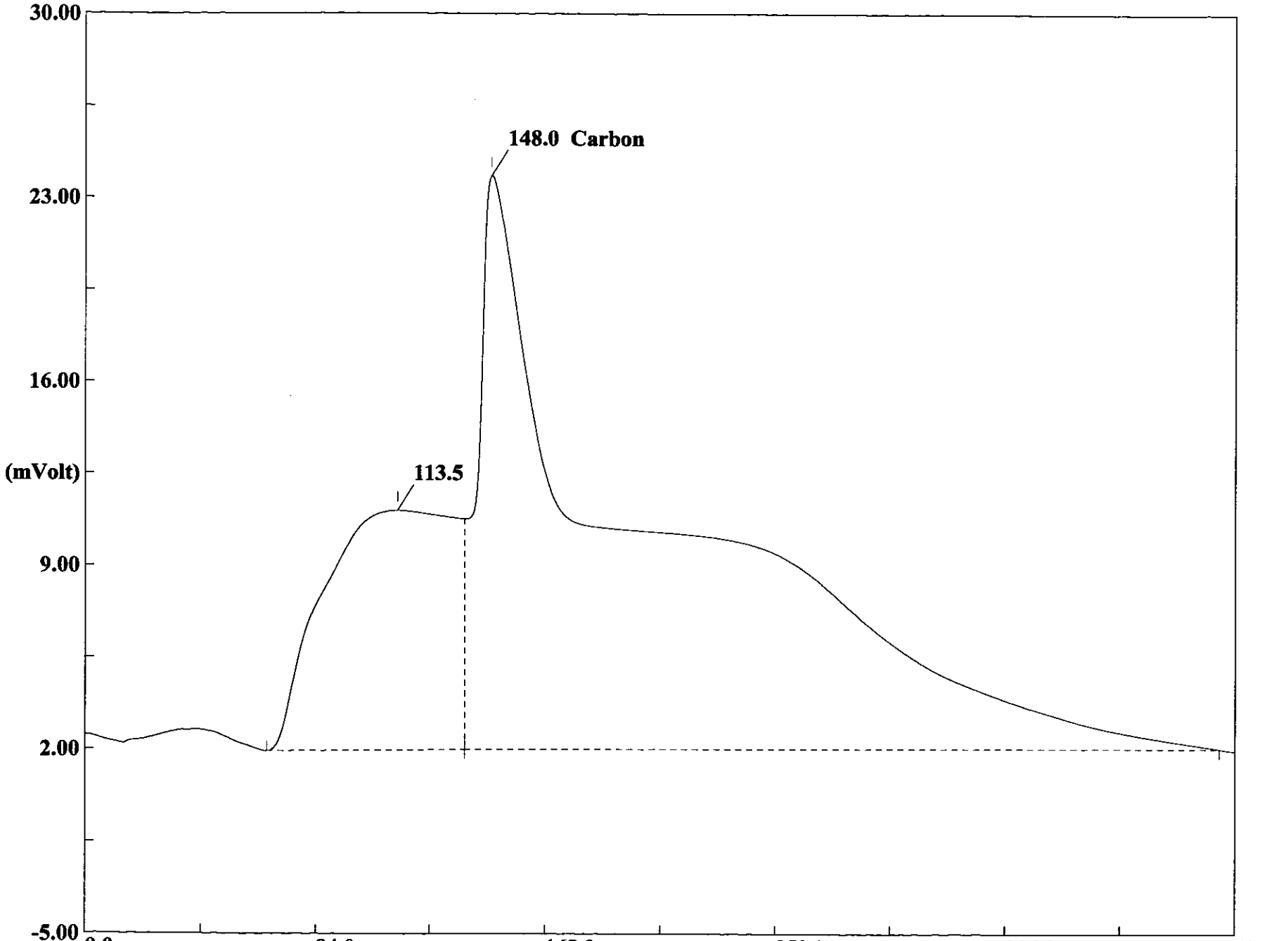
Signal to noise parameters can't be calculated
due to missing signal peak

C0J210496

4338

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110160.DAT

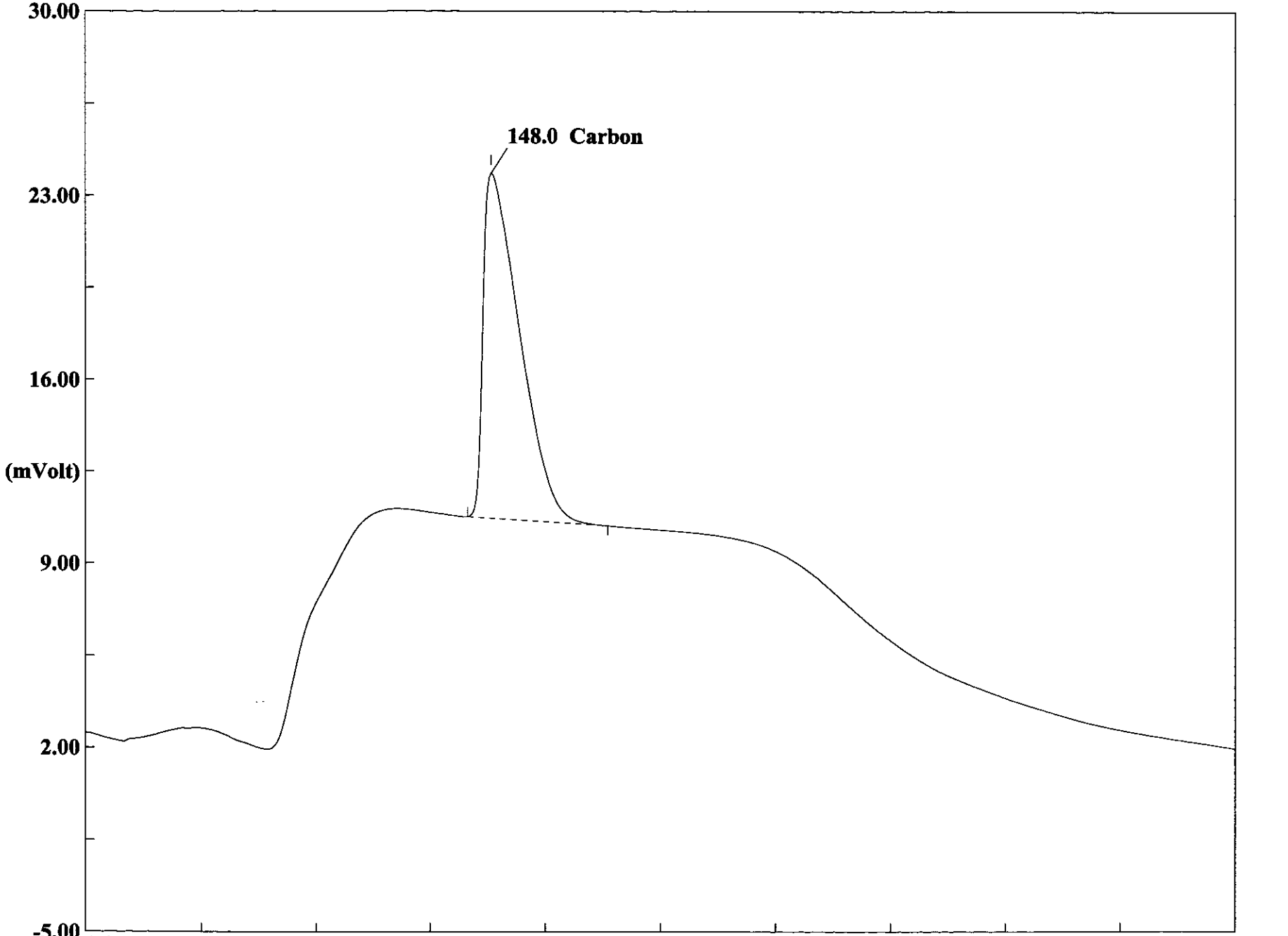
Sample name :ccv Analysed :11/01/2010 12:34

C0J210496

4339

(4001-4344)

Manual Integration by Jim DeRubeis on 11/01/10 due to poor baseline draw



Filename C:\data\January\A103110160.DAT

Sample name :ccv Analysed :11/01/2010 12:34

Eager 300 Report

 Sample: ccv (A103110160)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110110.mth
Chromatogram : A103110160
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/01/2010 12:34 Printed : 11/1/2010 13:24
Sample ID : ccv (# 35) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9467	148	2020027	mi	1.000000	

Signal to noise parameters can't be calculated
due to missing signal peak

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lloyd Kahn Sequence Log

Analyst: derubeisj
Location: Pittsburgh

C0J210496

CCV STD# WC4281-10 LCS STD# WC3685-10 Prep Date 10/29/2010 Batch# 0302220

Sample ID	Weight mg	Sample ID	Weight mg	Sample ID	Weight mg
CCB		C0J250504-1	5.2	C0J260499-3	19.3
CCV		C0J250504-1D	5.9+9.8	C0J260499-3	21.6
C0J290000-220B		C0J250504-1D	5.4+10.5	C0J260499-3	21.9
C0J290000-220B		C0J250504-1S	5.8+11.7	C0J260499-3	20.3
C0J290000-220C	11.0	C0J250504-1S	4.3+11.2	C0J260499-6	20.1
C0J290000-220C	11.1	CCB		C0J260499-6	20.1
C0J290000-220L	11.1	CCV		C0J260499-6	21.8
C0J290000-220L	11.8	C0J250504-1X	5.8	C0J260499-6	20.6
C0J190504-1	19.5	C0J250504-1X	5.3	C0J260499-8	22.0
C0J190504-1	19.6	C0J250504-2	4.8	C0J260499-8	20.2
C0J190504-1	20.2	C0J250504-2	5.5	C0J260499-8	21.6
C0J190504-1	19.0	C0J250504-3	5.6	C0J260499-8	21.4
C0J210496-4	11.4	C0J250504-3	4.7	C0J260499-9	20.1
C0J210496-4	10.1	C0J250504-4	5.1	C0J260499-9	21.3
C0J210496-5	10.0	C0J250504-4	5.5	C0J260499-9	19.7
C0J210496-5	10.3	C0J260498-1	19.4 21.1	C0J260499-9	20.9
C0J210496-6	11.8	C0J260498-1	20.5 21.5	CCB	
C0J210496-6	10.1	C0J260498-3	20.9 ~~20.9~~ 21.9	CCV	
C0J250504-1	5.1	C0J260498-3	~~19.4~~ 20.3 ~~20.4~~ 20.1	C0J260499-10	21.1

SD 10/31/10

4341

(4001-4344)

Date Printed: 10/29/2010 2:09:38PM

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

C0J210496

Lloyd Kahn Sequence Log

Analyst: derubeisj
Location: Pittsburgh

CCV STD# WC4281-10 LCS STD# WC3685-10 Prep Date 10/29/2010 Batch# 0302220

Sample ID	Weight mg	Sample ID	Weight mg	Sample ID	Weight mg
C0J260499-10	19.2	CCB			
C0J260499-10	20.6	CCV			
C0J260499-10	20.9				
C0J260499-11	21.4				
C0J260499-11	20.3				
C0J260499-11	21.2				
C0J260499-11	20.6				
C0J260499-12	21.0				
C0J260499-12	21.2				
C0J260499-12	21.2				
C0J260499-12	20.5				
C0J260499-13	20.2				
C0J260499-13	20.3				
C0J260499-13	21.0				
C0J260499-13	21.5				
C0J280417-2	11.0				
C0J280417-2	11.9				
C0J280417-4	9.6				
C0J280417-4	10.9				

4342

(40014344)

Date Printed: 10/29/2010 2:09:38PM

REQUESTED BY: **DERUBELJ**

METHOD: 8A Total Organic Carbon in Sediment Lloyd Kahn

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD
10B SENT OUT	L8P2J-1-A0	___ ___ ___	906454	126501	A-88-8A	C0J190504	001		SOLID	2	1
12B	L8VLA-1-A6	___ ___ ___	906455	356280	A-88-8A	C0J210496	004		SOLID	2	1
12B	L8VLH-1-AH	___ ___ ___	906456	356280	A-88-8A	C0J210496	005		SOLID	2	1
12B	L8VLJ-1-AQ	___ ___ ___	906457	356280	A-88-8A	C0J210496	006		SOLID	2	1
15A,OUT	L83LK-1-A6	___ ___ ___	906458	352201	A-88-8A	C0J250504	001		SOLID	3	1
15A,OUT	L83LW-1-AH	___ ___ ___	906459	352201	A-88-8A	C0J250504	002		SOLID	3	1
15A,OUT	L83LX-1-AH	___ ___ ___	906460	352201	A-88-8A	C0J250504	003		SOLID	3	1
15A,OUT	L83L1-1-AH	___ ___ ___	906461	352201	A-88-8A	C0J250504	004		SOLID	3	1
16A,CLP1,OUT	L84RL-1-AV	___ ___ ___	906462	051465	A-88-8A	C0J260498	001		SOLID	6	1
16A,CLP1,OUT	L84RP-1-A3	___ ___ ___	906463	051465	A-88-8A	C0J260498	003		SOLID	6	1
16A,CLP1,OUT	L84R3-1-A3	___ ___ ___	906464	051465	A-88-8A	C0J260499	003		SOLID	7	1
16A,CLP1,OUT	L84R6-1-A3	___ ___ ___	906465	051465	A-88-8A	C0J260499	006		SOLID	6	1
16A,CLP1,OUT	L84R8-1-A3	___ ___ ___	906466	051465	A-88-8A	C0J260499	008		SOLID	6	1
16A,CLP1,OUT	L84R9-1-A3	___ ___ ___	906467	051465	A-88-8A	C0J260499	009		SOLID	6	1
16A,CLP1,OUT	L84TA-1-A3	___ ___ ___	906468	051465	A-88-8A	C0J260499	010		SOLID	6	1
16A,CLP1,OUT	L84TC-1-A3	___ ___ ___	906469	051465	A-88-8A	C0J260499	011		SOLID	6	1
16A,CLP1,OUT	L84TD-1-A3	___ ___ ___	906470	051465	A-88-8A	C0J260499	012		SOLID	5	1
16A,CLP1,OUT	L84TE-1-A3	___ ___ ___	906471	051465	A-88-8A	C0J260499	013		SOLID	6	1
16D,OUT	L87WR-1-AC	___ ___ ___	906472	001361	A-88-8A	C0J280417	002		SOLID	2	1
16D,OUT	L87W0-1-AC	___ ___ ___	906473	001361	A-88-8A	C0J280417	004		SOLID	2	1

REQUESTED BY: **DERUBEIJ**

METHOD: 8A Total Organic Carbon in Sediment Lloyd Kahn

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD

RELINQUISHED BY	RECEIVED BY	DATE/TIME
Patrick Sommer	J. DERUBEIS	10/31/10 1245
J. DERUBEIS	Patrick Sommer	10/31/10 1400

***** END OF REPORT *****

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There are 1578 pages in this document.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. LEO BRAUSCH

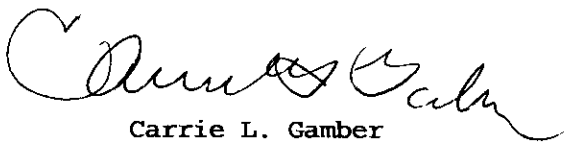
Leo Brausch Koppers Pond

Lot #: C0J220401

Leo Brausch

Leo Brausch Consulting
131 Wedgewood Drive
Gibsonia, PA 15044

TESTAMERICA LABORATORIES, INC.



Carrie L. Gamber
Project Manager

January 18, 2011

CASE NARRATIVE

Leo Brausch Consulting
Koppers Pond

Lot # C0J220401

TestAmerica's Burlington laboratory performed all the analyses.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

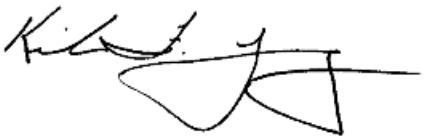
ANALYTICAL REPORT

Job Number: 200-2079-1

Job Description: Koppers Pond (Horseheads, NY)

For:
TestAmerica Laboratories, Inc.
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238

Attention: Ms. Carrie Gamber



Approved for release.
Kirk F Young
Project Manager I
1/11/2011 2:31 PM

Designee for
Joseph Carabillo
Project Manager I
joseph.carabillo@testamericainc.com
01/11/2011
Revision: 2

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

TestAmerica Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac

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CASE NARRATIVE

Client: TestAmerica Laboratories, Inc.

Project: Koppers Pond (Horseheads, NY)

Report Number: 200-2079-1 (Revision 2)

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 10/20/2010 and 10/21/2010; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.5 ^{o}C and 5.0 ^{o}C. Due to an oversight in documentation, the Internal COCs were not created for the metals fraction.

The tissue samples were prepared/homogenized and maintained in frozen storage. All results have been reported on a wet weight basis.

PCBs as Arcolors

The samples in this sample set were analyzed for PCB in accordance with EPA SW-846 method 8082. The samples were prepared on 10/28/2010 and analyzed on 11/05/2010, 11/06/2010, 11/10/2010, 12/15/2010, and 12/16/2010.

The samples were extracted on 10/28/2010 for PCBs using a nominal 10 gram sample amount, and the extracts were brought to a final volume of 10mL. Those extracts were analyzed, and the results were reported. Based on a consideration of the project objectives, the laboratory did pursue an additional analysis of the sample extracts to achieve a lower reporting limit. From the initial 10.0 mL extract, a 5.0 mL volume was concentrated to 2.0 mL, and analyzed. Sample FF10-07 was not re-analyzed, as PCBs were identified in the analysis of that sample. Additionally, the extracts for the matrix spike matrix spike duplicate, and replicate analysis of sample RVG10-02 were not reanalyzed. The extracts of each of the laboratory quality controls associated with the analytical work were included with the reanalysis of the sample extracts.

Data for both the initial and more concentrated analysis of the samples are presented in the data package. An “RE” suffix has been appended to both the laboratory identifier and the sample identifier to distinguish the more concentrated analyses.

The form summaries associated with the follow-up analyses make reference to an extraction date of 11/30/2010, this is a reflection of the additional extract preparations. All extractions were performed on 10/28/2010.

It should be noted that the more concentrated analysis of the sample extracts occurred on 12/15/2010 and 12/16/2010, and that the 40-day analytical holding time established by the method was exceeded. Additionally, the majority of the surrogate recoveries in those analyses were derived from responses that exceeded the range of calibrated instrument response, as were the recoveries in the MS/MSD and LCS analyses. Those values are qualified with an "E" qualifier.

No difficulties were encountered during the 8082 analyses.

All quality control parameters were within the acceptance limits. All quality control parameters were within the acceptance limits.

TOTAL METALS (ICPMS)

The samples in this sample set were analyzed for total metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 10/27/2010 and analyzed on 10/29/2010, 10/30/2010 and 11/03/2010.

Calcium, Cobalt, Manganese and Potassium failed the recovery criteria low for the MS of sample RLB10-01MS in batch 200-9011. Zinc failed the recovery criteria high. Refer to the QC report for details.

Calcium and Potassium failed the recovery criteria low for the MS of sample RVG10-02MS in batch 200-9011. Several analytes failed the recovery criteria high. The associated laboratory control sample (LCS) recovery met acceptance criteria. Refer to the QC report for details.

Arsenic, Calcium, Iron, Manganese and Zinc exceeded the RPD limit for the duplicate of sample RLB10-01DU. Several analytes exceeded the RPD limit for the duplicate of sample RVG10-02DU. Refer to the QC report for details.

The continuing calibration verification (CCV) for analytical batch 9011 exceeded control criteria for K, Mg, and Na. The data have been qualified and reported.

The post digestion spike % recovery for Ca and K was outside of control limits. Refer to the QC report for details.

The serial dilution performed for the several samples were outside control limits for Ca, Mg, Ba, Pb, and Na. Refer to the QC report for details.

Internal standard responses were outside of acceptance limits for the following sample:
VG10-01 (200-2081-4) for As and Se. The sample showed evidence of matrix interference.

Samples RVG10-01[10X], VG10-01[10X] and VG10-14[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

The samples in this sample set were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared on 10/28/2010 and analyzed on 10/29/2010.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

PERCENT LIPIDS

The samples in this sample set were analyzed were analyzed for percent lipids in accordance with Percent Lipids Determination. The samples were prepared on 10/28/2010 and analyzed on 10/29/2010.

No difficulties were encountered during the % lipids analyses.

All quality control parameters were within the acceptance limits.

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 3283.i Analysis Batch Number: 11196

Lab Sample ID: IC 200-11196/8 Client Sample ID:

Date Analyzed: 12/15/10 17:27 Lab File ID: 15dec101426-r081.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	7.15	Baseline event	dpd	12/15/10 20:13
PCB-1254 Peak 2	7.45	Baseline event	dpd	12/15/10 20:13
PCB-1254 Peak 3	7.59	Baseline event	dpd	12/15/10 20:13
PCB-1254 Peak 4	7.71	Baseline event	dpd	12/15/10 20:13
PCB-1254 Peak 5	8.24	Baseline event	dpd	12/15/10 20:13

Lab Sample ID: IC 200-11196/10 Client Sample ID:

Date Analyzed: 12/15/10 18:16 Lab File ID: 15dec101426-r101.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1268 Peak 1	11.50	Baseline event	dpd	12/15/10 20:06
PCB-1268 Peak 2	11.60	Baseline event	dpd	12/15/10 20:06
PCB-1268 Peak 3	12.13	Baseline event	dpd	12/15/10 20:06
PCB-1268 Peak 4	12.27	Baseline event	dpd	12/15/10 20:06

Lab Sample ID: IC 200-11196/14 Client Sample ID:

Date Analyzed: 12/15/10 19:53 Lab File ID: 15dec101426-r141.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 2	4.34	Baseline event	dpd	12/15/10 20:59
PCB-1016 Peak 3	4.85	Baseline event	dpd	12/15/10 20:59
PCB-1016 Peak 4	5.05	Baseline event	dpd	12/15/10 20:59
PCB-1016 Peak 5	5.23	Baseline event	dpd	12/15/10 20:59
PCB-1260 Peak 2	11.23	Baseline event	dpd	12/15/10 20:59
PCB-1260 Peak 3	12.01	Baseline event	dpd	12/15/10 20:59

8082

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 3283.i Analysis Batch Number: 11196

Lab Sample ID: IC 200-11196/15 Client Sample ID:

Date Analyzed: 12/15/10 20:18 Lab File ID: 15dec101426-r151.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	3.20	Baseline event	dpd	12/15/10 20:58
PCB-1016 Peak 1	3.87	Baseline event	dpd	12/15/10 20:58
PCB-1016 Peak 2	4.34	Baseline event	dpd	12/15/10 20:58
PCB-1016 Peak 3	4.85	Baseline event	dpd	12/15/10 20:58
PCB-1016 Peak 4	5.05	Baseline event	dpd	12/15/10 20:58
PCB-1016 Peak 5	5.23	Baseline event	dpd	12/15/10 20:58
PCB-1260 Peak 2	11.23	Baseline event	dpd	12/15/10 20:59
PCB-1260 Peak 3	12.01	Baseline event	dpd	12/15/10 20:59
PCB-1260 Peak 4	12.75	Baseline event	dpd	12/15/10 20:59
PCB-1260 Peak 5	12.91	Baseline event	dpd	12/15/10 20:59

Lab Sample ID: ICV 200-11196/17 Client Sample ID:

Date Analyzed: 12/15/10 21:08 Lab File ID: 15dec101426-r171.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	9.26	Baseline event	dpd	12/15/10 21:34
PCB-1260 Peak 2	9.83	Baseline event	dpd	12/15/10 21:34
PCB-1260 Peak 3	10.56	Baseline event	dpd	12/15/10 21:34

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 3283.i Analysis Batch Number: 11224

Lab Sample ID: 200-2079-3 RE Client Sample ID: RVG10-01 RE

Date Analyzed: 12/15/10 23:11 Lab File ID: 15dec101459-r051.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	3.27	Baseline event	sld	12/16/10 08:24
DCB Decachlorobiphenyl	13.41	Baseline event	sld	12/16/10 08:36

Lab Sample ID: 200-2079-3 RE Client Sample ID: RVG10-01 RE

Date Analyzed: 12/15/10 23:11 Lab File ID: 15dec101459-r051.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	3.20	Baseline event	sld	12/16/10 09:06
DCB Decachlorobiphenyl	13.70	Baseline event	sld	12/16/10 09:06

Lab Sample ID: 200-2079-4 RE Client Sample ID: RVG10-02 RE

Date Analyzed: 12/15/10 23:35 Lab File ID: 15dec101459-r061.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl	13.71	Baseline event	sld	12/16/10 09:07

Lab Sample ID: 200-2079-5 RE Client Sample ID: RVG10-03 RE

Date Analyzed: 12/16/10 01:15 Lab File ID: 15dec101459-r101.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl	13.40	Baseline event	sld	12/16/10 09:33

Lab Sample ID: 200-2079-5 RE Client Sample ID: RVG10-03 RE

Date Analyzed: 12/16/10 01:15 Lab File ID: 15dec101459-r101.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl	13.70	Baseline event	sld	12/16/10 09:10

8082

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 3283.i Analysis Batch Number: 11224

Lab Sample ID: 200-2079-6 RE Client Sample ID: RFF10-05 RE

Date Analyzed: 12/16/10 02:04 Lab File ID: 15dec101459-r121.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	3.20	Baseline event	sld	12/16/10 09:11

Lab Sample ID: 200-2079-7 RE Client Sample ID: RBC10-02 RE

Date Analyzed: 12/16/10 02:29 Lab File ID: 15dec101459-r131.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	3.25	Baseline event	sld	12/16/10 09:34

Lab Sample ID: 200-2079-10 RE Client Sample ID: RFF10-03 RE

Date Analyzed: 12/16/10 03:44 Lab File ID: 15dec101459-r161.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl	13.41	Baseline event	sld	12/16/10 09:35

Lab Sample ID: 200-2079-10 RE Client Sample ID: RFF10-03 RE

Date Analyzed: 12/16/10 03:44 Lab File ID: 15dec101459-r161.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	3.19	Baseline event	sld	12/16/10 09:16

Lab Sample ID: 200-2079-11 RE Client Sample ID: RFF10-01 RE

Date Analyzed: 12/16/10 04:09 Lab File ID: 15dec101459-r171.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl	13.41	Baseline event	sld	12/16/10 08:55

8082

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 3283.i Analysis Batch Number: 11224

Lab Sample ID: 200-2079-12 MS RE Client Sample ID: RLB10-01 MS RE

Date Analyzed: 12/16/10 05:23 Lab File ID: 15dec101459-r201.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1260-1	9.25	Baseline event	sld	12/16/10 08:57
Aroclor-1260-2	9.83	Baseline event	sld	12/16/10 08:57
Aroclor-1260-3	10.55	Baseline event	sld	12/16/10 08:57
Aroclor-1260-4	11.30	Baseline event	sld	12/16/10 08:57
Aroclor-1260-5	11.61	Baseline event	sld	12/16/10 08:57

Lab Sample ID: 200-2079-12 MS RE Client Sample ID: RLB10-01 MS RE

Date Analyzed: 12/16/10 05:23 Lab File ID: 15dec101459-r201.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1260-1	9.81	Baseline event	sld	12/16/10 09:18
Aroclor-1260-2	11.22	Baseline event	sld	12/16/10 09:18
Aroclor-1260-3	11.99	Baseline event	sld	12/16/10 09:18
Aroclor-1260-4	12.74	Baseline event	sld	12/16/10 09:18
Aroclor-1260-5	12.90	Baseline event	sld	12/16/10 09:18

Lab Sample ID: 200-2079-12 MSD RE Client Sample ID: RLB10-01 MSD RE

Date Analyzed: 12/16/10 05:47 Lab File ID: 15dec101459-r211.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1260-1	9.25	Baseline event	sld	12/16/10 08:58
Aroclor-1260-2	9.82	Baseline event	sld	12/16/10 08:58
Aroclor-1260-3	10.55	Baseline event	sld	12/16/10 08:58
Aroclor-1260-4	11.30	Baseline event	sld	12/16/10 08:58
Aroclor-1260-5	11.61	Baseline event	sld	12/16/10 08:58

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 3283.i Analysis Batch Number: 11224

Lab Sample ID: 200-2079-12 MSD RE Client Sample ID: RLB10-01 MSD RE

Date Analyzed: 12/16/10 05:47 Lab File ID: 15dec101459-r211.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1016-2	4.33	Baseline event	sld	12/16/10 09:19
Aroclor-1016-3	4.85	Baseline event	sld	12/16/10 09:19
Aroclor-1016-4	5.05	Baseline event	sld	12/16/10 09:19
Aroclor-1016-5	5.22	Baseline event	sld	12/16/10 09:19
Aroclor-1260-1	9.81	Baseline event	sld	12/16/10 09:19
Aroclor-1260-2	11.22	Baseline event	sld	12/16/10 09:19
Aroclor-1260-3	11.99	Baseline event	sld	12/16/10 09:19
Aroclor-1260-4	12.74	Baseline event	sld	12/16/10 09:19
Aroclor-1260-5	12.90	Baseline event	sld	12/16/10 09:19
DCB Decachlorobiphenyl	13.69	Baseline event	sld	12/16/10 09:19

Lab Sample ID: 200-2081-2 RE Client Sample ID: VG10-07 RE

Date Analyzed: 12/16/10 07:53 Lab File ID: 15dec101459-r261.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	3.25	Baseline event	sld	12/16/10 09:29
DCB Decachlorobiphenyl	13.40	Baseline event	sld	12/16/10 09:29

Lab Sample ID: 200-2081-2 RE Client Sample ID: VG10-07 RE

Date Analyzed: 12/16/10 07:53 Lab File ID: 15dec101459-r261.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl	13.69	Baseline event	sld	12/16/10 09:21

8082

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 3283.i Analysis Batch Number: 11224

Lab Sample ID: 200-2081-3 RE Client Sample ID: VG10-15 RE

Date Analyzed: 12/16/10 08:19 Lab File ID: 15dec101459-r271.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl	13.40	Baseline event	sld	12/16/10 09:28

Lab Sample ID: 200-2081-3 RE Client Sample ID: VG10-15 RE

Date Analyzed: 12/16/10 08:19 Lab File ID: 15dec101459-r271.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl	13.70	Baseline event	sld	12/16/10 09:22

Lab Sample ID: 200-2081-4 RE Client Sample ID: VG10-01 RE

Date Analyzed: 12/16/10 08:44 Lab File ID: 15dec101459-r281.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1254-1	6.57	Baseline event	sld	12/16/10 09:25
Aroclor-1254-2	6.87	Baseline event	sld	12/16/10 09:26
Aroclor-1254-3	6.97	Baseline event	sld	12/16/10 09:26
Aroclor-1254-4	7.05	Baseline event	sld	12/16/10 09:26
Aroclor-1254-5	7.70	Baseline event	sld	12/16/10 09:26

Lab Sample ID: 200-2081-4 RE Client Sample ID: VG10-01 RE

Date Analyzed: 12/16/10 08:44 Lab File ID: 15dec101459-r281.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1254-1	7.14	Baseline event	sld	12/16/10 09:40
Aroclor-1254-2	7.44	Baseline event	sld	12/16/10 09:40
Aroclor-1254-3	7.59	Baseline event	sld	12/16/10 09:40
Aroclor-1254-4	7.70	Baseline event	sld	12/16/10 09:40
Aroclor-1254-5	8.23	Baseline event	sld	12/16/10 09:40

8082

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 3283.i Analysis Batch Number: 11224

Lab Sample ID: 200-2081-5 RE Client Sample ID: VG10-14 RE

Date Analyzed: 12/16/10 09:08 Lab File ID: 15dec101459-r291.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl	13.40	Baseline event	sld	12/16/10 09:43

Lab Sample ID: 200-2081-5 RE Client Sample ID: VG10-14 RE

Date Analyzed: 12/16/10 09:08 Lab File ID: 15dec101459-r291.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
DCB Decachlorobiphenyl	13.70	Baseline event	sld	12/16/10 09:46

8082

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 7227.i Analysis Batch Number: 8378

Lab Sample ID: IC 200-8378/8 Client Sample ID:

Date Analyzed: 10/22/10 23:15 Lab File ID: 22oct102021-r081.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1242 Peak 1	5.05	Baseline event	rrm	10/24/10 09:18
PCB-1242 Peak 3	5.69	Baseline event	rrm	10/24/10 09:18
PCB-1242 Peak 4	5.93	Baseline event	rrm	10/24/10 09:18

Lab Sample ID: IC 200-8378/14 Client Sample ID:

Date Analyzed: 10/23/10 01:40 Lab File ID: 22oct102021-r141.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	4.12	Baseline event	rrm	10/25/10 12:17
PCB-1248 Peak 2	4.41	Baseline event	rrm	10/25/10 12:17
PCB-1248 Peak 3	4.53	Baseline event	rrm	10/25/10 12:17
PCB-1248 Peak 4	5.14	Baseline event	rrm	10/25/10 12:17
PCB-1248 Peak 5	5.61	Baseline event	rrm	10/25/10 12:17

Lab Sample ID: IC 200-8378/15 Client Sample ID:

Date Analyzed: 10/23/10 02:05 Lab File ID: 22oct102021-r151.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	4.12	Baseline event	rrm	10/25/10 12:18
PCB-1248 Peak 2	4.41	Baseline event	rrm	10/25/10 12:18
PCB-1248 Peak 3	4.53	Baseline event	rrm	10/25/10 12:18
PCB-1248 Peak 4	5.14	Baseline event	rrm	10/25/10 12:18
PCB-1248 Peak 5	5.61	Baseline event	rrm	10/25/10 12:18

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 7227.i Analysis Batch Number: 8378

Lab Sample ID: IC 200-8378/16 Client Sample ID:

Date Analyzed: 10/23/10 02:29 Lab File ID: 22oct102021-r161.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	6.20	Baseline event	rrm	10/25/10 11:40
PCB-1254 Peak 2	6.48	Baseline event	rrm	10/25/10 11:40
PCB-1254 Peak 3	6.58	Baseline event	rrm	10/25/10 11:40
PCB-1254 Peak 4	6.65	Baseline event	rrm	10/25/10 11:40
PCB-1254 Peak 5	7.28	Baseline event	rrm	10/25/10 11:40

Lab Sample ID: IC 200-8378/17 Client Sample ID:

Date Analyzed: 10/23/10 02:53 Lab File ID: 22oct102021-r171.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	6.20	Baseline event	rrm	10/25/10 11:40
PCB-1254 Peak 2	6.49	Baseline event	rrm	10/25/10 11:40
PCB-1254 Peak 3	6.58	Baseline event	rrm	10/25/10 11:40
PCB-1254 Peak 4	6.65	Baseline event	rrm	10/25/10 11:40
PCB-1254 Peak 5	7.27	Baseline event	rrm	10/25/10 11:40

Lab Sample ID: IC 200-8378/29 Client Sample ID:

Date Analyzed: 10/23/10 07:44 Lab File ID: 22oct102021-r291.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 2	4.12	Baseline event	rrm	10/25/10 11:50
PCB-1016 Peak 3	4.42	Baseline event	rrm	10/25/10 11:50
PCB-1016 Peak 4	4.53	Baseline event	rrm	10/25/10 11:50
PCB-1016 Peak 5	4.62	Baseline event	rrm	10/25/10 11:50

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 7227.i Analysis Batch Number: 8378

Lab Sample ID: IC 200-8378/31 Client Sample ID:

Date Analyzed: 10/23/10 08:32 Lab File ID: 22oct102021-r311.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	3.50	Baseline event	rrm	10/25/10 11:51
PCB-1016 Peak 2	4.12	Baseline event	rrm	10/25/10 11:51
PCB-1016 Peak 3	4.41	Baseline event	rrm	10/25/10 11:51
PCB-1016 Peak 4	4.52	Baseline event	rrm	10/25/10 11:51
PCB-1016 Peak 5	4.61	Baseline event	rrm	10/25/10 11:51

Lab Sample ID: ICV 200-8378/34 Client Sample ID:

Date Analyzed: 10/23/10 09:45 Lab File ID: 22oct102021-r341.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	8.75	Baseline event	rrm	10/25/10 12:33
PCB-1260 Peak 2	9.29	Baseline event	rrm	10/25/10 12:33

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 7227.i Analysis Batch Number: 9333

Lab Sample ID: CCVRT 200-9333/2 Client Sample ID:

Date Analyzed: 11/09/10 15:36 Lab File ID: 09nov101450-r021.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	8.72	Baseline event	sld	11/10/10 08:04
PCB-1260 Peak 2	9.26	Baseline event	sld	11/10/10 08:04
PCB-1260 Peak 3	9.97	Baseline event	sld	11/10/10 08:04
PCB-1260 Peak 4	10.70	Baseline event	sld	11/10/10 08:04

Lab Sample ID: 200-2081-1 Client Sample ID: FF10-07

Date Analyzed: 11/10/10 00:05 Lab File ID: 09nov101450-r231.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1254-1	6.17	Baseline event	sld	11/10/10 09:12
Aroclor-1254-2	6.44	Baseline event	sld	11/10/10 11:10
Aroclor-1254-3	6.53	Baseline event	sld	11/10/10 11:11
Aroclor-1254-4	6.60	Baseline event	sld	11/10/10 11:15

Lab Sample ID: 200-2079-4 MS Client Sample ID: RVG10-02 MS

Date Analyzed: 11/10/10 02:30 Lab File ID: 09nov101450-r291.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1016-1	3.50	Baseline event	sld	11/10/10 09:20
Aroclor-1016-2	4.11	Baseline event	sld	11/10/10 09:20
Aroclor-1016-3	4.40	Baseline event	sld	11/10/10 09:20
Aroclor-1016-4	4.51	Baseline event	sld	11/10/10 09:20
Aroclor-1016-5	4.60	Baseline event	sld	11/10/10 09:20
Aroclor-1260-1	8.71	Baseline event	sld	11/10/10 09:20
Aroclor-1260-2	9.25	Baseline event	sld	11/10/10 09:20

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 7227.i Analysis Batch Number: 9333

Lab Sample ID: 200-2079-4 MSD Client Sample ID: RVG10-02 MSD

Date Analyzed: 11/10/10 02:54 Lab File ID: 09nov101450-r301.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	3.09	Baseline event	sld	11/10/10 09:21
Aroclor-1016-1	3.49	Baseline event	sld	11/10/10 09:21
Aroclor-1016-2	4.11	Baseline event	sld	11/10/10 09:21
Aroclor-1016-3	4.40	Baseline event	sld	11/10/10 09:21
Aroclor-1016-4	4.51	Baseline event	sld	11/10/10 09:21
Aroclor-1016-5	4.60	Baseline event	sld	11/10/10 09:21
Aroclor-1260-4	10.68	Baseline event	sld	11/10/10 09:21
Aroclor-1260-5	11.08	Baseline event	sld	11/10/10 09:21

Lab Sample ID: 200-2081-4 Client Sample ID: VG10-01

Date Analyzed: 11/10/10 03:19 Lab File ID: 09nov101450-r311.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	3.09	Baseline event	sld	11/10/10 09:22
Aroclor-1254-1	6.17	Baseline event	sld	11/10/10 09:22
Aroclor-1254-2	6.45	Baseline event	sld	11/10/10 09:22
Aroclor-1254-3	6.54	Baseline event	sld	11/10/10 09:22
Aroclor-1254-4	6.61	Baseline event	sld	11/10/10 11:17
Aroclor-1254-5	7.23	Baseline event	sld	11/10/10 09:22

Lab Sample ID: CCV 200-9333/32 Client Sample ID:

Date Analyzed: 11/10/10 03:43 Lab File ID: 09nov101450-r321.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	8.71	Baseline event	sld	11/10/10 08:08
PCB-1260 Peak 2	9.25	Baseline event	sld	11/10/10 08:08
PCB-1260 Peak 3	9.96	Baseline event	sld	11/10/10 08:08

8082

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 7227.i Analysis Batch Number: 9347

Lab Sample ID: LCS 200-8617/2-B Client Sample ID:

Date Analyzed: 11/05/10 17:03 Lab File ID: 05nov101546-r041.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1016-2	5.04	Baseline event	sld	11/10/10 14:08
Aroclor-1016-3	5.68	Baseline event	sld	11/10/10 14:08
Aroclor-1016-4	5.93	Baseline event	sld	11/10/10 14:08

Lab Sample ID: 200-2079-1 Client Sample ID: RFF10-02

Date Analyzed: 11/05/10 17:27 Lab File ID: 05nov101546-r051.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	3.75	Baseline event	sld	11/10/10 14:14

Lab Sample ID: 200-2079-2 Client Sample ID: RBC10-05

Date Analyzed: 11/05/10 17:52 Lab File ID: 05nov101546-r061.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	3.75	Baseline event	sld	11/10/10 14:15
DCB Decachlorobiphenyl	14.43	Baseline event	sld	11/10/10 14:16

Lab Sample ID: 200-2079-5 Client Sample ID: RVG10-03

Date Analyzed: 11/05/10 20:17 Lab File ID: 05nov101546-r121.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	3.10	Baseline event	sld	11/10/10 14:49
DCB Decachlorobiphenyl	13.10	Baseline event	sld	11/10/10 14:48

8082

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 7227.i Analysis Batch Number: 9347

Lab Sample ID: 200-2079-6 Client Sample ID: RFF10-05

Date Analyzed: 11/05/10 21:06 Lab File ID: 05nov101546-r141.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	3.76	Baseline event	sld	11/10/10 14:35

Lab Sample ID: 200-2079-10 Client Sample ID: RFF10-03

Date Analyzed: 11/05/10 22:43 Lab File ID: 05nov101546-r181.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	3.75	Baseline event	sld	11/10/10 14:37

Lab Sample ID: 200-2079-12 MS Client Sample ID: RLB10-01 MS

Date Analyzed: 11/06/10 00:20 Lab File ID: 05nov101546-r221.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1260-4	10.69	Baseline event	sld	11/10/10 14:54
Aroclor-1260-5	11.08	Baseline event	sld	11/10/10 14:54

Lab Sample ID: 200-2079-12 MS Client Sample ID: RLB10-01 MS

Date Analyzed: 11/06/10 00:20 Lab File ID: 05nov101546-r221.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1016-3	5.69	Baseline event	sld	11/10/10 14:30
Aroclor-1016-4	5.93	Baseline event	sld	11/10/10 14:30
Aroclor-1016-5	6.14	Baseline event	sld	11/10/10 14:30
Aroclor-1260-1	11.33	Baseline event	sld	11/10/10 14:31

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 7227.i Analysis Batch Number: 9347

Lab Sample ID: 200-2079-12 MSD Client Sample ID: RLB10-01 MSD

Date Analyzed: 11/06/10 00:44 Lab File ID: 05nov101546-r231.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aroclor-1260-4	10.69	Baseline event	sld	11/10/10 14:55
Aroclor-1260-5	11.09	Baseline event	sld	11/10/10 14:55

Lab Sample ID: 200-2079-12 MSD Client Sample ID: RLB10-01 MSD

Date Analyzed: 11/06/10 00:44 Lab File ID: 05nov101546-r231.d GC Column: RTX-35 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	3.75	Baseline event	sld	11/10/10 14:36
Aroclor-1016-1	4.46	Baseline event	sld	11/10/10 14:36
Aroclor-1016-2	5.05	Baseline event	sld	11/10/10 14:36
Aroclor-1016-3	5.69	Baseline event	sld	11/10/10 14:37
Aroclor-1016-4	5.94	Baseline event	sld	11/10/10 14:37
Aroclor-1016-5	6.15	Baseline event	sld	11/10/10 14:37

Lab Sample ID: 200-2081-3 Client Sample ID: VG10-15

Date Analyzed: 11/06/10 03:33 Lab File ID: 05nov101546-r301.d GC Column: RTX-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloro-m-xylene	3.10	Baseline event	sld	11/10/10 14:57

8082

SAMPLE SUMMARY

Client: TestAmerica Laboratories, Inc. Job Number: 200-2079-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-2079-1	RFF10-02	Tissue	10/19/2010 1700	10/20/2010 1010
200-2079-2	RBC10-05	Tissue	10/19/2010 1700	10/20/2010 1010
200-2079-3	RVG10-01	Tissue	10/19/2010 1200	10/20/2010 1010
200-2079-4	RVG10-02	Tissue	10/19/2010 1200	10/20/2010 1010
200-2079-4MS	RVG10-02	Tissue	10/19/2010 1200	10/20/2010 1010
200-2079-4MSD	RVG10-02	Tissue	10/19/2010 1200	10/20/2010 1010
200-2079-4DU	RVG10-02	Tissue	10/19/2010 1200	10/20/2010 1010
200-2079-5	RVG10-03	Tissue	10/19/2010 1200	10/20/2010 1010
200-2079-6	RFF10-05	Tissue	10/19/2010 1700	10/20/2010 1010
200-2079-7	RBC10-02	Tissue	10/19/2010 1700	10/20/2010 1010
200-2079-8	RBC10-01	Tissue	10/19/2010 1700	10/20/2010 1010
200-2079-9	RFF10-04	Tissue	10/19/2010 1700	10/20/2010 1010
200-2079-10	RFF10-03	Tissue	10/19/2010 1700	10/20/2010 1010
200-2079-11	RFF10-01	Tissue	10/19/2010 1700	10/20/2010 1010
200-2079-12	RLB10-01	Tissue	10/19/2010 1700	10/20/2010 1010
200-2079-12MS	RLB10-01	Tissue	10/19/2010 1700	10/20/2010 1010
200-2079-12MSD	RLB10-01	Tissue	10/19/2010 1700	10/20/2010 1010
200-2079-12DU	RLB10-01	Tissue	10/19/2010 1700	10/20/2010 1010
200-2079-13	RLB-10-02	Tissue	10/19/2010 1700	10/20/2010 1010
200-2079-14EB	EQBLKPT	Tissue	10/20/2010 1200	10/20/2010 1010
200-2079-15EB	EQBLKFT	Tissue	10/20/2010 1200	10/20/2010 1010
200-2081-1	FF10-07	Tissue	10/20/2010 1400	10/21/2010 1015
200-2081-2	VG10-07	Tissue	10/20/2010 1200	10/21/2010 1015
200-2081-3	VG10-15	Tissue	10/20/2010 1300	10/21/2010 1015
200-2081-4	VG10-01	Tissue	10/20/2010 1000	10/21/2010 1015
200-2081-5	VG10-14	Tissue	10/20/2010 1230	10/21/2010 1015

METHOD SUMMARY

Client: TestAmerica Laboratories, Inc. Job Number: 200-2079-1

Description	Lab Location	Method	Preparation Method
Matrix: Tissue			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL BUR	SW846 8082	
Tissuemize Organic Prep	TAL BUR		NOAA In-House
Sulfur Cleanup	TAL BUR		SW846 3660B
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL BUR	SW846 8082	
Tissuemize Organic Prep	TAL BUR		NOAA In-House
Sulfuric Acid/Permanganate Cleanup	TAL BUR		SW846 3665A
Metals (ICP/MS)	TAL BUR	SW846 6020	
Preparation, Metals	TAL BUR		SW846 3050B
Tissue Preparation/Homgenization	TAL BUR		NOAA In-House
Mercury (CVAA)	TAL BUR	SW846 7471A	
Preparation, Mercury	TAL BUR		SW846 7471A
Tissue Preparation/Homgenization	TAL BUR		NOAA In-House
Percent Lipids	TAL BUR	TestAmerica SOP Lipids	
Tissuemize Organic Prep	TAL BUR		NOAA In-House
Tissue Preparation/Homgenization	TAL BUR		NOAA In-House

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

NOAA = National Marine Fisheries Service, National Oceanic And Atmospheric Administration, Seattle, WA, November 1988

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TestAmerica SOP = TestAmerica, Inc., Standard Operating Procedure

METHOD / ANALYST SUMMARY

Client: TestAmerica Laboratories, Inc. Job Number: 200-2079-1

Method	Analyst	Analyst ID
SW846 8082	Duncan, Stacee L	SLD
SW846 6020	Sheldon, Travis F	TFS
SW846 7471A	Sachs, Austin L	ALS
TestAmerica SOP Lipids	Bourdeau, Timothy P	TPB

DATA REPORTING QUALIFIERS

Client: TestAmerica Laboratories, Inc. Job Number: 200-2079-1

Lab Section	Qualifier	Description
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	E	Result exceeded calibration range.
	X	Surrogate is outside control limits
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
Metals		
	U	Indicates the analyte was analyzed for but not detected.
	^	Instrument related QC exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	F	MS/MSD Recovery or RPD exceeds the control limits
	W	PS: Post-digestion spike was outside control limits
	V	Serial Dilution exceeds the control limits
General Chemistry		
	U	Indicates the analyte was analyzed for but not detected.

Client: TestAmerica Laboratories, Inc. Job Number: 200-2079-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 200-8617					
LCS 200-8617/2-B	Lab Control Sample	T	Tissue	In-House	
MB 200-8617/1-B	Method Blank	T	Tissue	In-House	
MB 200-8617/1-C	Method Blank	T	Tissue	In-House	
200-2079-1	RFF10-02	T	Tissue	In-House	
200-2079-2	RBC10-05	T	Tissue	In-House	
200-2079-3	RVG10-01	T	Tissue	In-House	
200-2079-4	RVG10-02	T	Tissue	In-House	
200-2079-4DU	Duplicate	T	Tissue	In-House	
200-2079-4MS	Matrix Spike	T	Tissue	In-House	
200-2079-4MSD	Matrix Spike Duplicate	T	Tissue	In-House	
200-2079-5	RVG10-03	T	Tissue	In-House	
200-2079-6	RFF10-05	T	Tissue	In-House	
200-2079-7	RBC10-02	T	Tissue	In-House	
200-2079-8	RBC10-01	T	Tissue	In-House	
200-2079-9	RFF10-04	T	Tissue	In-House	
200-2079-10	RFF10-03	T	Tissue	In-House	
200-2079-11	RFF10-01	T	Tissue	In-House	
200-2079-12	RLB10-01	T	Tissue	In-House	
200-2079-12DU	Duplicate	T	Tissue	In-House	
200-2079-12MS	Matrix Spike	T	Tissue	In-House	
200-2079-12MSD	Matrix Spike Duplicate	T	Tissue	In-House	
200-2079-13	RLB-10-02	T	Tissue	In-House	
200-2079-14EB	EQBLKPT	T	Tissue	In-House	
200-2079-15EB	EQBLKFT	T	Tissue	In-House	
200-2081-1	FF10-07	T	Tissue	In-House	
200-2081-2	VG10-07	T	Tissue	In-House	
200-2081-3	VG10-15	T	Tissue	In-House	
200-2081-4	VG10-01	T	Tissue	In-House	
200-2081-5	VG10-14	T	Tissue	In-House	
Analysis Batch:200-9333					
MB 200-8617/1-C	Method Blank	T	Tissue	8082	200-8617
200-2079-3	RVG10-01	T	Tissue	8082	200-8617
200-2079-4	RVG10-02	T	Tissue	8082	200-8617
200-2079-4DU	Duplicate	T	Tissue	8082	200-8617
200-2079-4MS	Matrix Spike	T	Tissue	8082	200-8617
200-2079-4MSD	Matrix Spike Duplicate	T	Tissue	8082	200-8617
200-2081-1	FF10-07	T	Tissue	8082	200-8617
200-2081-4	VG10-01	T	Tissue	8082	200-8617

Client: TestAmerica Laboratories, Inc. Job Number: 200-2079-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:200-9347					
LCS 200-8617/2-B	Lab Control Sample	T	Tissue	8082	200-8617
MB 200-8617/1-B	Method Blank	T	Tissue	8082	200-8617
200-2079-1	RFF10-02	T	Tissue	8082	200-8617
200-2079-2	RBC10-05	T	Tissue	8082	200-8617
200-2079-5	RVG10-03	T	Tissue	8082	200-8617
200-2079-6	RFF10-05	T	Tissue	8082	200-8617
200-2079-7	RBC10-02	T	Tissue	8082	200-8617
200-2079-8	RBC10-01	T	Tissue	8082	200-8617
200-2079-9	RFF10-04	T	Tissue	8082	200-8617
200-2079-10	RFF10-03	T	Tissue	8082	200-8617
200-2079-11	RFF10-01	T	Tissue	8082	200-8617
200-2079-12	RLB10-01	T	Tissue	8082	200-8617
200-2079-12DU	Duplicate	T	Tissue	8082	200-8617
200-2079-12MS	Matrix Spike	T	Tissue	8082	200-8617
200-2079-12MSD	Matrix Spike Duplicate	T	Tissue	8082	200-8617
200-2079-13	RLB-10-02	T	Tissue	8082	200-8617
200-2079-14EB	EQBLKPT	T	Tissue	8082	200-8617
200-2079-15EB	EQBLKFT	T	Tissue	8082	200-8617
200-2081-2	VG10-07	T	Tissue	8082	200-8617
200-2081-3	VG10-15	T	Tissue	8082	200-8617
200-2081-5	VG10-14	T	Tissue	8082	200-8617

Client: TestAmerica Laboratories, Inc. Job Number: 200-2079-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 200-10336					
LCS 200-10336/2-C	Lab Control Sample	T	Tissue	In-House	
MB 200-10336/1-C	Method Blank	T	Tissue	In-House	
200-2079-1RE	RFF10-02	T	Tissue	In-House	
200-2079-2RE	RBC10-05	T	Tissue	In-House	
200-2079-3RE	RVG10-01	T	Tissue	In-House	
200-2079-4RE	RVG10-02	T	Tissue	In-House	
200-2079-5RE	RVG10-03	T	Tissue	In-House	
200-2079-6RE	RFF10-05	T	Tissue	In-House	
200-2079-7RE	RBC10-02	T	Tissue	In-House	
200-2079-8RE	RBC10-01	T	Tissue	In-House	
200-2079-9RE	RFF10-04	T	Tissue	In-House	
200-2079-10RE	RFF10-03	T	Tissue	In-House	
200-2079-11RE	RFF10-01	T	Tissue	In-House	
200-2079-12RE	RLB10-01	T	Tissue	In-House	
200-2079-12DURE	Duplicate	T	Tissue	In-House	
200-2079-12MSRE	Matrix Spike	T	Tissue	In-House	
200-2079-12MSDRE	Matrix Spike Duplicate	T	Tissue	In-House	
200-2079-13RE	RLB-10-02	T	Tissue	In-House	
200-2079-14EBRE	EQBLKPT	T	Tissue	In-House	
200-2079-15EBRE	EQBLKFT	T	Tissue	In-House	
200-2081-2RE	VG10-07	T	Tissue	In-House	
200-2081-3RE	VG10-15	T	Tissue	In-House	
200-2081-4RE	VG10-01	T	Tissue	In-House	
200-2081-5RE	VG10-14	T	Tissue	In-House	

Client: TestAmerica Laboratories, Inc. Job Number: 200-2079-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:200-11224					
LCS 200-10336/2-C	Lab Control Sample	T	Tissue	8082	200-10336
MB 200-10336/1-C	Method Blank	T	Tissue	8082	200-10336
200-2079-1RE	RFF10-02	T	Tissue	8082	200-10336
200-2079-2RE	RBC10-05	T	Tissue	8082	200-10336
200-2079-3RE	RVG10-01	T	Tissue	8082	200-10336
200-2079-4RE	RVG10-02	T	Tissue	8082	200-10336
200-2079-5RE	RVG10-03	T	Tissue	8082	200-10336
200-2079-6RE	RFF10-05	T	Tissue	8082	200-10336
200-2079-7RE	RBC10-02	T	Tissue	8082	200-10336
200-2079-8RE	RBC10-01	T	Tissue	8082	200-10336
200-2079-9RE	RFF10-04	T	Tissue	8082	200-10336
200-2079-10RE	RFF10-03	T	Tissue	8082	200-10336
200-2079-11RE	RFF10-01	T	Tissue	8082	200-10336
200-2079-12RE	RLB10-01	T	Tissue	8082	200-10336
200-2079-12DURE	Duplicate	T	Tissue	8082	200-10336
200-2079-12MSRE	Matrix Spike	T	Tissue	8082	200-10336
200-2079-12MSDRE	Matrix Spike Duplicate	T	Tissue	8082	200-10336
200-2079-13RE	RLB-10-02	T	Tissue	8082	200-10336
200-2079-14EBRE	EQBLKPT	T	Tissue	8082	200-10336
200-2079-15EBRE	EQBLKFT	T	Tissue	8082	200-10336
200-2081-2RE	VG10-07	T	Tissue	8082	200-10336
200-2081-3RE	VG10-15	T	Tissue	8082	200-10336
200-2081-4RE	VG10-01	T	Tissue	8082	200-10336
200-2081-5RE	VG10-14	T	Tissue	8082	200-10336

Report Basis
T = Total

Client: TestAmerica Laboratories, Inc. Job Number: 200-2079-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 200-8516					
LCS 200-8516/2-A	Lab Control Sample	T	Tissue	3050B	
MB 200-8516/1-A	Method Blank	T	Tissue	3050B	
200-2079-1	RFF10-02	T	Tissue	3050B	
200-2079-2	RBC10-05	T	Tissue	3050B	
200-2079-3	RVG10-01	T	Tissue	3050B	
200-2079-4	RVG10-02	T	Tissue	3050B	
200-2079-4DU	Duplicate	T	Tissue	3050B	
200-2079-4MS	Matrix Spike	T	Tissue	3050B	
200-2079-5	RVG10-03	T	Tissue	3050B	
200-2079-6	RFF10-05	T	Tissue	3050B	
200-2079-7	RBC10-02	T	Tissue	3050B	
200-2079-8	RBC10-01	T	Tissue	3050B	
200-2079-9	RFF10-04	T	Tissue	3050B	
200-2079-10	RFF10-03	T	Tissue	3050B	
200-2079-11	RFF10-01	T	Tissue	3050B	
200-2079-A-12-I PDSDU	Duplicate	T	Tissue	3050B	
200-2079-12	RLB10-01	T	Tissue	3050B	
200-2079-12MS	Matrix Spike	T	Tissue	3050B	
200-2079-13	RLB-10-02	T	Tissue	3050B	
200-2079-14EB	EQBLKPT	T	Tissue	3050B	
200-2079-15EB	EQBLKFT	T	Tissue	3050B	
200-2081-1	FF10-07	T	Tissue	3050B	
200-2081-2	VG10-07	T	Tissue	3050B	
200-2081-3	VG10-15	T	Tissue	3050B	
200-2081-4	VG10-01	T	Tissue	3050B	
200-2081-5	VG10-14	T	Tissue	3050B	

Client: TestAmerica Laboratories, Inc. Job Number: 200-2079-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 200-8570					
LCS 200-8570/12-A	Lab Control Sample	T	Tissue	7471A	
MB 200-8570/11-A	Method Blank	T	Tissue	7471A	
200-2079-1	RFF10-02	T	Tissue	7471A	
200-2079-2	RBC10-05	T	Tissue	7471A	
200-2079-3	RVG10-01	T	Tissue	7471A	
200-2079-4	RVG10-02	T	Tissue	7471A	
200-2079-4DU	Duplicate	T	Tissue	7471A	
200-2079-4MS	Matrix Spike	T	Tissue	7471A	
200-2079-5	RVG10-03	T	Tissue	7471A	
200-2079-6	RFF10-05	T	Tissue	7471A	
200-2079-7	RBC10-02	T	Tissue	7471A	
200-2079-8	RBC10-01	T	Tissue	7471A	
200-2079-9	RFF10-04	T	Tissue	7471A	
200-2079-10	RFF10-03	T	Tissue	7471A	
200-2079-11	RFF10-01	T	Tissue	7471A	
200-2079-12	RLB10-01	T	Tissue	7471A	
200-2079-12DU	Duplicate	T	Tissue	7471A	
200-2079-12MS	Matrix Spike	T	Tissue	7471A	
200-2079-13	RLB-10-02	T	Tissue	7471A	
200-2079-14EB	EQBLKPT	T	Tissue	7471A	
200-2079-15EB	EQBLKFT	T	Tissue	7471A	
200-2081-1	FF10-07	T	Tissue	7471A	
200-2081-2	VG10-07	T	Tissue	7471A	
200-2081-3	VG10-15	T	Tissue	7471A	
200-2081-4	VG10-01	T	Tissue	7471A	
200-2081-5	VG10-14	T	Tissue	7471A	

Client: TestAmerica Laboratories, Inc. Job Number: 200-2079-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:200-8689					
LCS 200-8570/12-A	Lab Control Sample	T	Tissue	7471A	200-8570
MB 200-8570/11-A	Method Blank	T	Tissue	7471A	200-8570
200-2079-1	RFF10-02	T	Tissue	7471A	200-8570
200-2079-2	RBC10-05	T	Tissue	7471A	200-8570
200-2079-3	RVG10-01	T	Tissue	7471A	200-8570
200-2079-4	RVG10-02	T	Tissue	7471A	200-8570
200-2079-4DU	Duplicate	T	Tissue	7471A	200-8570
200-2079-4MS	Matrix Spike	T	Tissue	7471A	200-8570
200-2079-5	RVG10-03	T	Tissue	7471A	200-8570
200-2079-6	RFF10-05	T	Tissue	7471A	200-8570
200-2079-7	RBC10-02	T	Tissue	7471A	200-8570
200-2079-8	RBC10-01	T	Tissue	7471A	200-8570
200-2079-9	RFF10-04	T	Tissue	7471A	200-8570
200-2079-10	RFF10-03	T	Tissue	7471A	200-8570
200-2079-11	RFF10-01	T	Tissue	7471A	200-8570
200-2079-12	RLB10-01	T	Tissue	7471A	200-8570
200-2079-12DU	Duplicate	T	Tissue	7471A	200-8570
200-2079-12MS	Matrix Spike	T	Tissue	7471A	200-8570
200-2079-13	RLB-10-02	T	Tissue	7471A	200-8570
200-2079-14EB	EQBLKPT	T	Tissue	7471A	200-8570
200-2079-15EB	EQBLKFT	T	Tissue	7471A	200-8570
200-2081-1	FF10-07	T	Tissue	7471A	200-8570
200-2081-2	VG10-07	T	Tissue	7471A	200-8570
200-2081-3	VG10-15	T	Tissue	7471A	200-8570
200-2081-4	VG10-01	T	Tissue	7471A	200-8570
200-2081-5	VG10-14	T	Tissue	7471A	200-8570

Client: TestAmerica Laboratories, Inc. Job Number: 200-2079-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:200-8736					
LCS 200-8516/2-A	Lab Control Sample	T	Tissue	6020	200-8516
MB 200-8516/1-A	Method Blank	T	Tissue	6020	200-8516
200-2079-1	RFF10-02	T	Tissue	6020	200-8516
200-2079-2	RBC10-05	T	Tissue	6020	200-8516
200-2079-3	RVG10-01	T	Tissue	6020	200-8516
200-2079-4	RVG10-02	T	Tissue	6020	200-8516
200-2079-4DU	Duplicate	T	Tissue	6020	200-8516
200-2079-4MS	Matrix Spike	T	Tissue	6020	200-8516
200-2079-5	RVG10-03	T	Tissue	6020	200-8516
200-2079-6	RFF10-05	T	Tissue	6020	200-8516
200-2079-7	RBC10-02	T	Tissue	6020	200-8516
200-2079-8	RBC10-01	T	Tissue	6020	200-8516
200-2079-9	RFF10-04	T	Tissue	6020	200-8516
200-2079-10	RFF10-03	T	Tissue	6020	200-8516
200-2079-11	RFF10-01	T	Tissue	6020	200-8516
200-2079-A-12-I PDSDU	Duplicate	T	Tissue	6020	200-8516
200-2079-12	RLB10-01	T	Tissue	6020	200-8516
200-2079-12MS	Matrix Spike	T	Tissue	6020	200-8516
200-2079-13	RLB-10-02	T	Tissue	6020	200-8516
200-2079-14EB	EQBLKPT	T	Tissue	6020	200-8516
200-2079-15EB	EQBLKFT	T	Tissue	6020	200-8516
200-2081-1	FF10-07	T	Tissue	6020	200-8516
200-2081-2	VG10-07	T	Tissue	6020	200-8516
200-2081-3	VG10-15	T	Tissue	6020	200-8516
200-2081-4	VG10-01	T	Tissue	6020	200-8516
200-2081-5	VG10-14	T	Tissue	6020	200-8516

Client: TestAmerica Laboratories, Inc. Job Number: 200-2079-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:200-8819					
LCS 200-8516/2-A	Lab Control Sample	T	Tissue	6020	200-8516
MB 200-8516/1-A	Method Blank	T	Tissue	6020	200-8516
200-2079-1	RFF10-02	T	Tissue	6020	200-8516
200-2079-2	RBC10-05	T	Tissue	6020	200-8516
200-2079-3	RVG10-01	T	Tissue	6020	200-8516
200-2079-4	RVG10-02	T	Tissue	6020	200-8516
200-2079-4DU	Duplicate	T	Tissue	6020	200-8516
200-2079-4MS	Matrix Spike	T	Tissue	6020	200-8516
200-2079-5	RVG10-03	T	Tissue	6020	200-8516
200-2079-6	RFF10-05	T	Tissue	6020	200-8516
200-2079-7	RBC10-02	T	Tissue	6020	200-8516
200-2079-8	RBC10-01	T	Tissue	6020	200-8516
200-2079-9	RFF10-04	T	Tissue	6020	200-8516
200-2079-10	RFF10-03	T	Tissue	6020	200-8516
200-2079-11	RFF10-01	T	Tissue	6020	200-8516
200-2079-A-12-I PDSDU	Duplicate	T	Tissue	6020	200-8516
200-2079-12	RLB10-01	T	Tissue	6020	200-8516
200-2079-12MS	Matrix Spike	T	Tissue	6020	200-8516
200-2079-13	RLB-10-02	T	Tissue	6020	200-8516
200-2079-14EB	EQBLKPT	T	Tissue	6020	200-8516
200-2079-15EB	EQBLKFT	T	Tissue	6020	200-8516
200-2081-1	FF10-07	T	Tissue	6020	200-8516
200-2081-2	VG10-07	T	Tissue	6020	200-8516
200-2081-3	VG10-15	T	Tissue	6020	200-8516
200-2081-4	VG10-01	T	Tissue	6020	200-8516
200-2081-5	VG10-14	T	Tissue	6020	200-8516

Client: TestAmerica Laboratories, Inc. Job Number: 200-2079-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:200-9011					
LCS 200-8516/2-A	Lab Control Sample	T	Tissue	6020	200-8516
MB 200-8516/1-A	Method Blank	T	Tissue	6020	200-8516
200-2079-1	RFF10-02	T	Tissue	6020	200-8516
200-2079-2	RBC10-05	T	Tissue	6020	200-8516
200-2079-3	RVG10-01	T	Tissue	6020	200-8516
200-2079-4	RVG10-02	T	Tissue	6020	200-8516
200-2079-4DU	Duplicate	T	Tissue	6020	200-8516
200-2079-4MS	Matrix Spike	T	Tissue	6020	200-8516
200-2079-5	RVG10-03	T	Tissue	6020	200-8516
200-2079-6	RFF10-05	T	Tissue	6020	200-8516
200-2079-7	RBC10-02	T	Tissue	6020	200-8516
200-2079-8	RBC10-01	T	Tissue	6020	200-8516
200-2079-9	RFF10-04	T	Tissue	6020	200-8516
200-2079-10	RFF10-03	T	Tissue	6020	200-8516
200-2079-11	RFF10-01	T	Tissue	6020	200-8516
200-2079-A-12-I PDSDU	Duplicate	T	Tissue	6020	200-8516
200-2079-12	RLB10-01	T	Tissue	6020	200-8516
200-2079-12MS	Matrix Spike	T	Tissue	6020	200-8516
200-2079-13	RLB-10-02	T	Tissue	6020	200-8516
200-2079-14EB	EQBLKPT	T	Tissue	6020	200-8516
200-2079-15EB	EQBLKFT	T	Tissue	6020	200-8516
200-2081-1	FF10-07	T	Tissue	6020	200-8516
200-2081-2	VG10-07	T	Tissue	6020	200-8516
200-2081-3	VG10-15	T	Tissue	6020	200-8516
200-2081-4	VG10-01	T	Tissue	6020	200-8516
200-2081-5	VG10-14	T	Tissue	6020	200-8516

Report Basis
T = Total

Client: TestAmerica Laboratories, Inc. Job Number: 200-2079-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 200-8617					
LCS 200-8617/2-A	Lab Control Sample	T	Tissue	In-House	
MB 200-8617/1-A	Method Blank	T	Tissue	In-House	
200-2079-1	RFF10-02	T	Tissue	In-House	
200-2079-2	RBC10-05	T	Tissue	In-House	
200-2079-3	RVG10-01	T	Tissue	In-House	
200-2079-4	RVG10-02	T	Tissue	In-House	
200-2079-4DU	Duplicate	T	Tissue	In-House	
200-2079-5	RVG10-03	T	Tissue	In-House	
200-2079-6	RFF10-05	T	Tissue	In-House	
200-2079-7	RBC10-02	T	Tissue	In-House	
200-2079-8	RBC10-01	T	Tissue	In-House	
200-2079-9	RFF10-04	T	Tissue	In-House	
200-2079-10	RFF10-03	T	Tissue	In-House	
200-2079-11	RFF10-01	T	Tissue	In-House	
200-2079-12	RLB10-01	T	Tissue	In-House	
200-2079-12DU	Duplicate	T	Tissue	In-House	
200-2079-13	RLB-10-02	T	Tissue	In-House	
200-2079-14EB	EQBLKPT	T	Tissue	In-House	
200-2079-15EB	EQBLKFT	T	Tissue	In-House	
200-2081-1	FF10-07	T	Tissue	In-House	
200-2081-2	VG10-07	T	Tissue	In-House	
200-2081-3	VG10-15	T	Tissue	In-House	
200-2081-4	VG10-01	T	Tissue	In-House	
200-2081-5	VG10-14	T	Tissue	In-House	

Client: TestAmerica Laboratories, Inc. Job Number: 200-2079-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:200-8646					
LCS 200-8617/2-A	Lab Control Sample	T	Tissue	Lipids	200-8617
MB 200-8617/1-A	Method Blank	T	Tissue	Lipids	200-8617
200-2079-1	RFF10-02	T	Tissue	Lipids	200-8617
200-2079-2	RBC10-05	T	Tissue	Lipids	200-8617
200-2079-3	RVG10-01	T	Tissue	Lipids	200-8617
200-2079-4	RVG10-02	T	Tissue	Lipids	200-8617
200-2079-4DU	Duplicate	T	Tissue	Lipids	200-8617
200-2079-5	RVG10-03	T	Tissue	Lipids	200-8617
200-2079-6	RFF10-05	T	Tissue	Lipids	200-8617
200-2079-7	RBC10-02	T	Tissue	Lipids	200-8617
200-2079-8	RBC10-01	T	Tissue	Lipids	200-8617
200-2079-9	RFF10-04	T	Tissue	Lipids	200-8617
200-2079-10	RFF10-03	T	Tissue	Lipids	200-8617
200-2079-11	RFF10-01	T	Tissue	Lipids	200-8617
200-2079-12	RLB10-01	T	Tissue	Lipids	200-8617
200-2079-12DU	Duplicate	T	Tissue	Lipids	200-8617
200-2079-13	RLB-10-02	T	Tissue	Lipids	200-8617
200-2079-14EB	EQBLKPT	T	Tissue	Lipids	200-8617
200-2079-15EB	EQBLKFT	T	Tissue	Lipids	200-8617
200-2081-1	FF10-07	T	Tissue	Lipids	200-8617
200-2081-2	VG10-07	T	Tissue	Lipids	200-8617
200-2081-3	VG10-15	T	Tissue	Lipids	200-8617
200-2081-4	VG10-01	T	Tissue	Lipids	200-8617
200-2081-5	VG10-14	T	Tissue	Lipids	200-8617

Report Basis
T = Total

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
EX16605PPMSPi_00007	02/09/11	08/09/10	ACETONE, Lot 030863	100 mL	EXAR1660SPs_00019	0.5 mL	PCB-1016	5 ug/mL
							PCB-1260	5 ug/mL
.EXAR1660SPs_00019	02/28/17		Restek, Lot A072217		(Purchased Reagent)		PCB-1016	1000 ug/mL
							PCB-1260	1000 ug/mL
EX8081SUw_00008	01/06/11	07/06/10	ACETONE, Lot 28646	500 mL	EX8081ASUs_00008	1 mL	DCB Decachlorobiphenyl	400 ug/L
							Tetrachloro-m-xylene	399.84 ug/L
.EX8081ASUs_00008	01/31/17		Restek, Lot A069056		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	199.92 ug/mL
GCCAL1221L3w_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GCCAL1221L5w_00003	10 mL	PCB-1221 Peak 1	200 ug/L
							PCB-1221 Peak 2	200 ug/L
							PCB-1221 Peak 3	200 ug/L
							PCB-1221 Peak 4	200 ug/L
							PCB-1221 Peak 5	200 ug/L
.GCCAL1221L5w_00003	12/18/10	06/18/10	HEXANE, Lot 22044	100 mL	GC80821221i_00003	8000 uL	PCB-1221 Peak 1	800 ug/L
							PCB-1221 Peak 2	800 ug/L
							PCB-1221 Peak 3	800 ug/L
							PCB-1221 Peak 4	800 ug/L
							PCB-1221 Peak 5	800 ug/L
..GC80821221i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1221s_00003	400 uL	PCB-1221 Peak 1	10 ug/mL
							PCB-1221 Peak 2	10 ug/mL
							PCB-1221 Peak 3	10 ug/mL
							PCB-1221 Peak 4	10 ug/mL
							PCB-1221 Peak 5	10 ug/mL
...GC8082_1221s_00003	12/14/15		RESTEK, Lot A064464		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
							PCB-1221 Peak 4	1000 ug/mL
							PCB-1221 Peak 5	1000 ug/mL
GCCAL1232L3w_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GCCAL1232L5w_00004	10 mL	PCB-1232 Peak 1	200 ug/L
							PCB-1232 Peak 2	200 ug/L
							PCB-1232 Peak 3	200 ug/L
							PCB-1232 Peak 4	200 ug/L
							PCB-1232 Peak 5	200 ug/L
.GCCAL1232L5w_00004	12/18/10	06/18/10	HEXANE, Lot 22044	100 mL	GC80821232i_00003	8000 uL	PCB-1232 Peak 1	800 ug/L
							PCB-1232 Peak 2	800 ug/L
							PCB-1232 Peak 3	800 ug/L
							PCB-1232 Peak 4	800 ug/L
							PCB-1232 Peak 5	800 ug/L
..GC80821232i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1232s_00003	400 uL	PCB-1232 Peak 1	10 ug/mL
							PCB-1232 Peak 2	10 ug/mL
							PCB-1232 Peak 3	10 ug/mL
							PCB-1232 Peak 4	10 ug/mL
							PCB-1232 Peak 5	10 ug/mL
...GC8082_1232s_00003	07/14/15		RESTEK, Lot A061407		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
GCCAL1242L1w_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GCCAL1242L5w_00003	2.5 mL	PCB-1242 Peak 1	50 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 2	50 ug/L
							PCB-1242 Peak 3	50 ug/L
							PCB-1242 Peak 4	50 ug/L
							PCB-1242 Peak 5	50 ug/L
.GCCAL1242L5w_00003	12/18/10	06/18/10	HEXANE, Lot 22044	100 mL	GC80821242i_00003	8000 uL	PCB-1242 Peak 1	800 ug/L
							PCB-1242 Peak 2	800 ug/L
							PCB-1242 Peak 3	800 ug/L
							PCB-1242 Peak 4	800 ug/L
							PCB-1242 Peak 5	800 ug/L
..GC80821242i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1242s_00004	400 uL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
...GC8082_1242s_00004	11/30/15		RESTEK, Lot A063733		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
GCCAL1242L2w_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GCCAL1242L5w_00003	5 mL	PCB-1242 Peak 1	100 ug/L
							PCB-1242 Peak 2	100 ug/L
							PCB-1242 Peak 3	100 ug/L
							PCB-1242 Peak 4	100 ug/L
							PCB-1242 Peak 5	100 ug/L
.GCCAL1242L5w_00003	12/18/10	06/18/10	HEXANE, Lot 22044	100 mL	GC80821242i_00003	8000 uL	PCB-1242 Peak 1	800 ug/L
							PCB-1242 Peak 2	800 ug/L
							PCB-1242 Peak 3	800 ug/L
							PCB-1242 Peak 4	800 ug/L
							PCB-1242 Peak 5	800 ug/L
..GC80821242i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1242s_00004	400 uL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
...GC8082_1242s_00004	11/30/15		RESTEK, Lot A063733		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
GCCAL1242L3w_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GCCAL1242L5w_00003	10 mL	PCB-1242 Peak 1	200 ug/L
							PCB-1242 Peak 2	200 ug/L
							PCB-1242 Peak 3	200 ug/L
							PCB-1242 Peak 4	200 ug/L
							PCB-1242 Peak 5	200 ug/L
.GCCAL1242L5w_00003	12/18/10	06/18/10	HEXANE, Lot 22044	100 mL	GC80821242i_00003	8000 uL	PCB-1242 Peak 1	800 ug/L
							PCB-1242 Peak 2	800 ug/L
							PCB-1242 Peak 3	800 ug/L
							PCB-1242 Peak 4	800 ug/L
							PCB-1242 Peak 5	800 ug/L
..GC80821242i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1242s_00004	400 uL	PCB-1242 Peak 1	10 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
...GC8082_1242s_00004	11/30/15		RESTEK, Lot A063733		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
GCCAL1242L4w_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GCCAL1242L5w_00003	20 mL	PCB-1242 Peak 1	400 ug/L
							PCB-1242 Peak 2	400 ug/L
							PCB-1242 Peak 3	400 ug/L
							PCB-1242 Peak 4	400 ug/L
							PCB-1242 Peak 5	400 ug/L
.GCCAL1242L5w_00003	12/18/10	06/18/10	HEXANE, Lot 22044	100 mL	GC80821242i_00003	8000 uL	PCB-1242 Peak 1	800 ug/L
							PCB-1242 Peak 2	800 ug/L
							PCB-1242 Peak 3	800 ug/L
							PCB-1242 Peak 4	800 ug/L
							PCB-1242 Peak 5	800 ug/L
..GC80821242i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1242s_00004	400 uL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
...GC8082_1242s_00004	11/30/15		RESTEK, Lot A063733		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
GCCAL1242L5w_00003	12/18/10	06/18/10	HEXANE, Lot 22044	100 mL	GC80821242i_00003	8000 uL	PCB-1242 Peak 1	800 ug/L
							PCB-1242 Peak 2	800 ug/L
							PCB-1242 Peak 3	800 ug/L
							PCB-1242 Peak 4	800 ug/L
							PCB-1242 Peak 5	800 ug/L
.GC80821242i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1242s_00004	400 uL	PCB-1242 Peak 1	10 ug/mL
							PCB-1242 Peak 2	10 ug/mL
							PCB-1242 Peak 3	10 ug/mL
							PCB-1242 Peak 4	10 ug/mL
							PCB-1242 Peak 5	10 ug/mL
..GC8082_1242s_00004	11/30/15		RESTEK, Lot A063733		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
GCCAL1248L1w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	40 mL	GCCAL1248L5w_00003	2.5 mL	PCB-1248 Peak 1	50 ug/L
							PCB-1248 Peak 2	50 ug/L
							PCB-1248 Peak 3	50 ug/L
							PCB-1248 Peak 4	50 ug/L
							PCB-1248 Peak 5	50 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.GCCAL1248L5w_00003	12/18/10	06/18/10	HEXANE, Lot 22044	100 mL	GC80821248i_00003	8000 uL	PCB-1248 Peak 1	800 ug/L
							PCB-1248 Peak 2	800 ug/L
							PCB-1248 Peak 3	800 ug/L
							PCB-1248 Peak 4	800 ug/L
							PCB-1248 Peak 5	800 ug/L
..GC80821248i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1248s_00003	400 uL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
...GC8082_1248s_00003	02/14/16		RESTEK, Lot A065176		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
GCCAL1248L2w_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GCCAL1248L5w_00003	5 mL	PCB-1248 Peak 1	100 ug/L
							PCB-1248 Peak 2	100 ug/L
							PCB-1248 Peak 3	100 ug/L
							PCB-1248 Peak 4	100 ug/L
							PCB-1248 Peak 5	100 ug/L
.GCCAL1248L5w_00003	12/18/10	06/18/10	HEXANE, Lot 22044	100 mL	GC80821248i_00003	8000 uL	PCB-1248 Peak 1	800 ug/L
							PCB-1248 Peak 2	800 ug/L
							PCB-1248 Peak 3	800 ug/L
							PCB-1248 Peak 4	800 ug/L
							PCB-1248 Peak 5	800 ug/L
..GC80821248i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1248s_00003	400 uL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
...GC8082_1248s_00003	02/14/16		RESTEK, Lot A065176		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
GCCAL1248L3w_00004	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GCCAL1248L5w_00003	10 mL	PCB-1248 Peak 1	200 ug/L
							PCB-1248 Peak 2	200 ug/L
							PCB-1248 Peak 3	200 ug/L
							PCB-1248 Peak 4	200 ug/L
							PCB-1248 Peak 5	200 ug/L
.GCCAL1248L5w_00003	12/18/10	06/18/10	HEXANE, Lot 22044	100 mL	GC80821248i_00003	8000 uL	PCB-1248 Peak 1	800 ug/L
							PCB-1248 Peak 2	800 ug/L
							PCB-1248 Peak 3	800 ug/L
							PCB-1248 Peak 4	800 ug/L
							PCB-1248 Peak 5	800 ug/L
..GC80821248i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1248s_00003	400 uL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
...GC8082_1248s_00003	02/14/16		RESTEK, Lot A065176		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
GCCAL1248L4w_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GCCAL1248L5w_00003	20 mL	PCB-1248 Peak 1	400 ug/L
							PCB-1248 Peak 2	400 ug/L
							PCB-1248 Peak 3	400 ug/L
							PCB-1248 Peak 4	400 ug/L
							PCB-1248 Peak 5	400 ug/L
.GCCAL1248L5w_00003	12/18/10	06/18/10	HEXANE, Lot 22044	100 mL	GC80821248i_00003	8000 uL	PCB-1248 Peak 1	800 ug/L
							PCB-1248 Peak 2	800 ug/L
							PCB-1248 Peak 3	800 ug/L
							PCB-1248 Peak 4	800 ug/L
							PCB-1248 Peak 5	800 ug/L
..GC80821248i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1248s_00003	400 uL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
...GC8082_1248s_00003	02/14/16		RESTEK, Lot A065176		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
GCCAL1248L5w_00003	12/18/10	06/18/10	HEXANE, Lot 22044	100 mL	GC80821248i_00003	8000 uL	PCB-1248 Peak 1	800 ug/L
							PCB-1248 Peak 2	800 ug/L
							PCB-1248 Peak 3	800 ug/L
							PCB-1248 Peak 4	800 ug/L
							PCB-1248 Peak 5	800 ug/L
.GC80821248i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1248s_00003	400 uL	PCB-1248 Peak 1	10 ug/mL
							PCB-1248 Peak 2	10 ug/mL
							PCB-1248 Peak 3	10 ug/mL
							PCB-1248 Peak 4	10 ug/mL
							PCB-1248 Peak 5	10 ug/mL
..GC8082_1248s_00003	02/14/16		RESTEK, Lot A065176		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
GCCAL1254L1w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	40 mL	GCCAL1254L5w_00003	2.5 mL	PCB-1254 Peak 1	50 ug/L
							PCB-1254 Peak 2	50 ug/L
							PCB-1254 Peak 3	50 ug/L
							PCB-1254 Peak 4	50 ug/L
							PCB-1254 Peak 5	50 ug/L
.GCCAL1254L5w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	100 mL	GC80821254i_00003	8000 uL	PCB-1254 Peak 1	800 ug/L
							PCB-1254 Peak 2	800 ug/L
							PCB-1254 Peak 3	800 ug/L
							PCB-1254 Peak 4	800 ug/L

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 5	800 ug/L
..GC80821254i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1254s_00003	400 uL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
...GC8082_1254s_00003	12/15/15		RESTEK, Lot A064054		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
GCCAL1254L2w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	40 mL	GCCAL1254L5w_00003	5 mL	PCB-1254 Peak 1	100 ug/L
							PCB-1254 Peak 2	100 ug/L
							PCB-1254 Peak 3	100 ug/L
							PCB-1254 Peak 4	100 ug/L
							PCB-1254 Peak 5	100 ug/L
.GCCAL1254L5w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	100 mL	GC80821254i_00003	8000 uL	PCB-1254 Peak 1	800 ug/L
							PCB-1254 Peak 2	800 ug/L
							PCB-1254 Peak 3	800 ug/L
							PCB-1254 Peak 4	800 ug/L
							PCB-1254 Peak 5	800 ug/L
..GC80821254i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1254s_00003	400 uL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
...GC8082_1254s_00003	12/15/15		RESTEK, Lot A064054		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
GCCAL1254L3w_00005	12/18/10	07/02/10	HEXANE, Lot 22044	40 mL	GCCAL1254L5w_00003	10 mL	PCB-1254 Peak 1	200 ug/L
							PCB-1254 Peak 2	200 ug/L
							PCB-1254 Peak 3	200 ug/L
							PCB-1254 Peak 4	200 ug/L
							PCB-1254 Peak 5	200 ug/L
.GCCAL1254L5w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	100 mL	GC80821254i_00003	8000 uL	PCB-1254 Peak 1	800 ug/L
							PCB-1254 Peak 2	800 ug/L
							PCB-1254 Peak 3	800 ug/L
							PCB-1254 Peak 4	800 ug/L
							PCB-1254 Peak 5	800 ug/L
..GC80821254i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1254s_00003	400 uL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
...GC8082_1254s_00003	12/15/15		RESTEK, Lot A064054		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 5	1000 ug/mL
GCCAL1254L4w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	40 mL	GCCAL1254L5w_00003	20 mL	PCB-1254 Peak 1	400 ug/L
							PCB-1254 Peak 2	400 ug/L
							PCB-1254 Peak 3	400 ug/L
							PCB-1254 Peak 4	400 ug/L
							PCB-1254 Peak 5	400 ug/L
.GCCAL1254L5w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	100 mL	GC80821254i_00003	8000 uL	PCB-1254 Peak 1	800 ug/L
							PCB-1254 Peak 2	800 ug/L
							PCB-1254 Peak 3	800 ug/L
							PCB-1254 Peak 4	800 ug/L
							PCB-1254 Peak 5	800 ug/L
..GC80821254i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1254s_00003	400 uL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
...GC8082_1254s_00003	12/15/15		RESTEK, Lot A064054		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
GCCAL1254L5w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	100 mL	GC80821254i_00003	8000 uL	PCB-1254 Peak 1	800 ug/L
							PCB-1254 Peak 2	800 ug/L
							PCB-1254 Peak 3	800 ug/L
							PCB-1254 Peak 4	800 ug/L
							PCB-1254 Peak 5	800 ug/L
.GC80821254i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1254s_00003	400 uL	PCB-1254 Peak 1	10 ug/mL
							PCB-1254 Peak 2	10 ug/mL
							PCB-1254 Peak 3	10 ug/mL
							PCB-1254 Peak 4	10 ug/mL
							PCB-1254 Peak 5	10 ug/mL
..GC8082_1254s_00003	12/15/15		RESTEK, Lot A064054		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
GCCAL1262L3w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	40 mL	GCCAL1262L5w_00003	10 mL	PCB-1262 Peak 1	200 ug/L
							PCB-1262 Peak 2	200 ug/L
							PCB-1262 Peak 3	200 ug/L
							PCB-1262 Peak 4	200 ug/L
							PCB-1262 Peak 5	200 ug/L
.GCCAL1262L5w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	100 mL	GC80821262i_00003	8000 uL	PCB-1262 Peak 1	800 ug/L
							PCB-1262 Peak 2	800 ug/L
							PCB-1262 Peak 3	800 ug/L
							PCB-1262 Peak 4	800 ug/L
							PCB-1262 Peak 5	800 ug/L
..GC80821262i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1262s_00004	400 uL	PCB-1262 Peak 1	10 ug/mL
							PCB-1262 Peak 2	10 ug/mL
							PCB-1262 Peak 3	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1262 Peak 4	10 ug/mL
							PCB-1262 Peak 5	10 ug/mL
...GC8082_1262s_00004	08/15/16		RESTEK, Lot A068936		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
GCCAL1268L1w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	40 mL	GCCAL1268L5w_00003	2.5 mL	PCB-1268 Peak 1	50 ug/L
							PCB-1268 Peak 2	50 ug/L
							PCB-1268 Peak 3	50 ug/L
							PCB-1268 Peak 4	50 ug/L
							PCB-1268 Peak 5	50 ug/L
.GCCAL1268L5w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	100 mL	GC80821268i_00003	8000 uL	PCB-1268 Peak 1	800 ug/L
							PCB-1268 Peak 2	800 ug/L
							PCB-1268 Peak 3	800 ug/L
							PCB-1268 Peak 4	800 ug/L
							PCB-1268 Peak 5	800 ug/L
..GC80821268i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1268s_00004	400 uL	PCB-1268 Peak 1	10 ug/mL
							PCB-1268 Peak 2	10 ug/mL
							PCB-1268 Peak 3	10 ug/mL
							PCB-1268 Peak 4	10 ug/mL
							PCB-1268 Peak 5	10 ug/mL
...GC8082_1268s_00004	05/15/15		RESTEK, Lot A059910		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
GCCAL1268L2w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	40 mL	GCCAL1268L5w_00003	5 mL	PCB-1268 Peak 1	100 ug/L
							PCB-1268 Peak 2	100 ug/L
							PCB-1268 Peak 3	100 ug/L
							PCB-1268 Peak 4	100 ug/L
							PCB-1268 Peak 5	100 ug/L
.GCCAL1268L5w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	100 mL	GC80821268i_00003	8000 uL	PCB-1268 Peak 1	800 ug/L
							PCB-1268 Peak 2	800 ug/L
							PCB-1268 Peak 3	800 ug/L
							PCB-1268 Peak 4	800 ug/L
							PCB-1268 Peak 5	800 ug/L
..GC80821268i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1268s_00004	400 uL	PCB-1268 Peak 1	10 ug/mL
							PCB-1268 Peak 2	10 ug/mL
							PCB-1268 Peak 3	10 ug/mL
							PCB-1268 Peak 4	10 ug/mL
							PCB-1268 Peak 5	10 ug/mL
...GC8082_1268s_00004	05/15/15		RESTEK, Lot A059910		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
GCCAL1268L3w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	40 mL	GCCAL1268L5w_00003	10 mL	PCB-1268 Peak 1	200 ug/L
							PCB-1268 Peak 2	200 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1268 Peak 3	200 ug/L
							PCB-1268 Peak 4	200 ug/L
							PCB-1268 Peak 5	200 ug/L
.GCCAL1268L5w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	100 mL	GC80821268i_00003	8000 uL	PCB-1268 Peak 1	800 ug/L
							PCB-1268 Peak 2	800 ug/L
							PCB-1268 Peak 3	800 ug/L
							PCB-1268 Peak 4	800 ug/L
							PCB-1268 Peak 5	800 ug/L
..GC80821268i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1268s_00004	400 uL	PCB-1268 Peak 1	10 ug/mL
							PCB-1268 Peak 2	10 ug/mL
							PCB-1268 Peak 3	10 ug/mL
							PCB-1268 Peak 4	10 ug/mL
							PCB-1268 Peak 5	10 ug/mL
...GC8082_1268s_00004	05/15/15		RESTEK, Lot A059910		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
GCCAL1268L4w_00004	12/18/10	07/02/10	HEXANE, Lot 22044	40 mL	GCCAL1268L5w_00003	20 mL	PCB-1268 Peak 1	400 ug/L
							PCB-1268 Peak 2	400 ug/L
							PCB-1268 Peak 3	400 ug/L
							PCB-1268 Peak 4	400 ug/L
							PCB-1268 Peak 5	400 ug/L
.GCCAL1268L5w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	100 mL	GC80821268i_00003	8000 uL	PCB-1268 Peak 1	800 ug/L
							PCB-1268 Peak 2	800 ug/L
							PCB-1268 Peak 3	800 ug/L
							PCB-1268 Peak 4	800 ug/L
							PCB-1268 Peak 5	800 ug/L
..GC80821268i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1268s_00004	400 uL	PCB-1268 Peak 1	10 ug/mL
							PCB-1268 Peak 2	10 ug/mL
							PCB-1268 Peak 3	10 ug/mL
							PCB-1268 Peak 4	10 ug/mL
							PCB-1268 Peak 5	10 ug/mL
...GC8082_1268s_00004	05/15/15		RESTEK, Lot A059910		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
GCCAL1268L5w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	100 mL	GC80821268i_00003	8000 uL	PCB-1268 Peak 1	800 ug/L
							PCB-1268 Peak 2	800 ug/L
							PCB-1268 Peak 3	800 ug/L
							PCB-1268 Peak 4	800 ug/L
							PCB-1268 Peak 5	800 ug/L
.GC80821268i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1268s_00004	400 uL	PCB-1268 Peak 1	10 ug/mL
							PCB-1268 Peak 2	10 ug/mL
							PCB-1268 Peak 3	10 ug/mL
							PCB-1268 Peak 4	10 ug/mL
							PCB-1268 Peak 5	10 ug/mL
..GC8082_1268s_00004	05/15/15		RESTEK, Lot A059910		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
GCCAL1660ICVw_00004	07/07/10	01/08/10	HEXANE, Lot H37E06	40 mL	GCICV1660i_00003	800 uL	PCB-1016	200 ug/L
							PCB-1016 Peak 1	200 ug/L
							PCB-1016 Peak 2	200 ug/L
							PCB-1016 Peak 3	200 ug/L
							PCB-1016 Peak 4	200 ug/L
							PCB-1016 Peak 5	200 ug/L
							PCB-1260	200 ug/L
							PCB-1260 Peak 1	200 ug/L
							PCB-1260 Peak 2	200 ug/L
							PCB-1260 Peak 3	200 ug/L
							PCB-1260 Peak 4	200 ug/L
							PCB-1260 Peak 5	200 ug/L
					GCSUTCX/DCBw_00007	80 uL	DCB Decachlorobiphenyl	20 ug/L
							Tetrachloro-m-xylene	20 ug/L
.GCICV1660i_00003	01/07/11	07/07/10	HEXANE, Lot 22044	40 mL	GCICV1660s_00006	400 uL	PCB-1016	10 ug/mL
							PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..GCICV1660s_00006	02/28/11		Ultra, Lot CD-0236		(Purchased Reagent)		PCB-1016	1000 ug/mL
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.GCSUTCX/DCBw_00007	12/18/10	06/18/10	HEXANE, Lot 22044	20 mL	GCTCX/DCBSUs_00005	1 mL	DCB Decachlorobiphenyl	10 ug/mL
							Tetrachloro-m-xylene	10 ug/mL
..GCTCX/DCBSUs_00005	01/15/17		RESTEK, Lot A069056		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
GCCAL1660L1w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	40 mL	GCCAL1660L5w_00005	2.5 mL	PCB-1016 Peak 1	50 ug/L
							PCB-1016 Peak 2	50 ug/L
							PCB-1016 Peak 3	50 ug/L
							PCB-1016 Peak 4	50 ug/L
							PCB-1016 Peak 5	50 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 1	50 ug/L
							PCB-1260 Peak 2	50 ug/L
							PCB-1260 Peak 3	50 ug/L
							PCB-1260 Peak 4	50 ug/L
							PCB-1260 Peak 5	50 ug/L
							DCB Decachlorobiphenyl	5 ug/L
							Tetrachloro-m-xylene	5 ug/L
.GCCAL1660L5w_00005	12/18/10	07/02/10	HEXANE, Lot 22044	100 mL	GC80821660i_00003	8000 uL	PCB-1016 Peak 1	800 ug/L
							PCB-1016 Peak 2	800 ug/L
							PCB-1016 Peak 3	800 ug/L
							PCB-1016 Peak 4	800 ug/L
							PCB-1016 Peak 5	800 ug/L
							PCB-1260 Peak 1	800 ug/L
							PCB-1260 Peak 2	800 ug/L
							PCB-1260 Peak 3	800 ug/L
							PCB-1260 Peak 4	800 ug/L
							PCB-1260 Peak 5	800 ug/L
					GCSUTCX/DCBw_00007	800 uL	DCB Decachlorobiphenyl	80 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC80821660i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1660s_00004	400 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
...GC8082_1660s_00004	11/01/15		RESTEK, Lot A063521		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..GCSUTCX/DCBw_00007	12/18/10	06/18/10	HEXANE, Lot 22044	20 mL	GCTCX/DCBSUs_00005	1 mL	DCB Decachlorobiphenyl	10 ug/mL
							Tetrachloro-m-xylene	10 ug/mL
...GCTCX/DCBSUs_00005	01/15/17		RESTEK, Lot A069056		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
GCCAL1660L2w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	40 mL	GCCAL1660L5w_00005	5 mL	PCB-1016 Peak 1	100 ug/L
							PCB-1016 Peak 2	100 ug/L
							PCB-1016 Peak 3	100 ug/L
							PCB-1016 Peak 4	100 ug/L
							PCB-1016 Peak 5	100 ug/L
							PCB-1260 Peak 1	100 ug/L
							PCB-1260 Peak 2	100 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 3	100 ug/L
							PCB-1260 Peak 4	100 ug/L
							PCB-1260 Peak 5	100 ug/L
							DCB Decachlorobiphenyl	10 ug/L
							Tetrachloro-m-xylene	10 ug/L
.GCCAL1660L5w_00005	12/18/10	07/02/10	HEXANE, Lot 22044	100 mL	GC80821660i_00003	8000 uL	PCB-1016 Peak 1	800 ug/L
							PCB-1016 Peak 2	800 ug/L
							PCB-1016 Peak 3	800 ug/L
							PCB-1016 Peak 4	800 ug/L
							PCB-1016 Peak 5	800 ug/L
							PCB-1260 Peak 1	800 ug/L
							PCB-1260 Peak 2	800 ug/L
							PCB-1260 Peak 3	800 ug/L
							PCB-1260 Peak 4	800 ug/L
							PCB-1260 Peak 5	800 ug/L
					GCSUTCX/DCBw_00007	800 uL	DCB Decachlorobiphenyl	80 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC80821660i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1660s_00004	400 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
...GC8082_1660s_00004	11/01/15		RESTEK, Lot A063521		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..GCSUTCX/DCBw_00007	12/18/10	06/18/10	HEXANE, Lot 22044	20 mL	GCTCX/DCBSUs_00005	1 mL	DCB Decachlorobiphenyl	10 ug/mL
							Tetrachloro-m-xylene	10 ug/mL
...GCTCX/DCBSUs_00005	01/15/17		RESTEK, Lot A069056		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
GCCAL1660L3w_00007	12/18/10	10/12/10	HEXANE, Lot 24848	40 mL	GCCAL1660L5w_00005	10 mL	PCB-1016	200 ug/L
							PCB-1016 Peak 1	200 ug/L
							PCB-1016 Peak 2	200 ug/L
							PCB-1016 Peak 3	200 ug/L
							PCB-1016 Peak 4	200 ug/L
							PCB-1016 Peak 5	200 ug/L
							PCB-1260	200 ug/L
							PCB-1260 Peak 1	200 ug/L
							PCB-1260 Peak 2	200 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 3	200 ug/L
							PCB-1260 Peak 4	200 ug/L
							PCB-1260 Peak 5	200 ug/L
							DCB Decachlorobiphenyl	20 ug/L
							Tetrachloro-m-xylene	20 ug/L
.GCCAL1660L5w_00005	12/18/10	07/02/10	HEXANE, Lot 22044	100 mL	GC80821660i_00003	8000 uL	PCB-1016	800 ug/L
							PCB-1016 Peak 1	800 ug/L
							PCB-1016 Peak 2	800 ug/L
							PCB-1016 Peak 3	800 ug/L
							PCB-1016 Peak 4	800 ug/L
							PCB-1016 Peak 5	800 ug/L
							PCB-1260	800 ug/L
							PCB-1260 Peak 1	800 ug/L
							PCB-1260 Peak 2	800 ug/L
							PCB-1260 Peak 3	800 ug/L
							PCB-1260 Peak 4	800 ug/L
							PCB-1260 Peak 5	800 ug/L
					GCSUTCX/DCBw_00007	800 uL	DCB Decachlorobiphenyl	80 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC80821660i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1660s_00004	400 uL	PCB-1016	10 ug/mL
							PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
...GC8082_1660s_00004	11/01/15		RESTEK, Lot A063521		(Purchased Reagent)		PCB-1016	1000 ug/mL
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..GCSUTCX/DCBw_00007	12/18/10	06/18/10	HEXANE, Lot 22044	20 mL	GCTCX/DCBSUs_00005	1 mL	DCB Decachlorobiphenyl	10 ug/mL
							Tetrachloro-m-xylene	10 ug/mL
...GCTCX/DCBSUs_00005	01/15/17		RESTEK, Lot A069056		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
GCCAL1660L4w_00003	12/18/10	07/02/10	HEXANE, Lot 22044	40 mL	GCCAL1660L5w_00005	20 mL	PCB-1016 Peak 1	400 ug/L
							PCB-1016 Peak 2	400 ug/L
							PCB-1016 Peak 3	400 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 4	400 ug/L
							PCB-1016 Peak 5	400 ug/L
							PCB-1260 Peak 1	400 ug/L
							PCB-1260 Peak 2	400 ug/L
							PCB-1260 Peak 3	400 ug/L
							PCB-1260 Peak 4	400 ug/L
							PCB-1260 Peak 5	400 ug/L
							DCB Decachlorobiphenyl	40 ug/L
							Tetrachloro-m-xylene	40 ug/L
.GCCAL1660L5w_00005	12/18/10	07/02/10	HEXANE, Lot 22044	100 mL	GC80821660i_00003	8000 uL	PCB-1016 Peak 1	800 ug/L
							PCB-1016 Peak 2	800 ug/L
							PCB-1016 Peak 3	800 ug/L
							PCB-1016 Peak 4	800 ug/L
							PCB-1016 Peak 5	800 ug/L
							PCB-1260 Peak 1	800 ug/L
							PCB-1260 Peak 2	800 ug/L
							PCB-1260 Peak 3	800 ug/L
							PCB-1260 Peak 4	800 ug/L
							PCB-1260 Peak 5	800 ug/L
					GCSUTCX/DCBw_00007	800 uL	DCB Decachlorobiphenyl	80 ug/L
							Tetrachloro-m-xylene	80 ug/L
..GC80821660i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1660s_00004	400 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
...GC8082_1660s_00004	11/01/15		RESTEK, Lot A063521		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..GCSUTCX/DCBw_00007	12/18/10	06/18/10	HEXANE, Lot 22044	20 mL	GCTCX/DCBSUs_00005	1 mL	DCB Decachlorobiphenyl	10 ug/mL
							Tetrachloro-m-xylene	10 ug/mL
...GCTCX/DCBSUs_00005	01/15/17		RESTEK, Lot A069056		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
GCCAL1660L5w_00005	12/18/10	07/02/10	HEXANE, Lot 22044	100 mL	GC80821660i_00003	8000 uL	PCB-1016 Peak 1	800 ug/L
							PCB-1016 Peak 2	800 ug/L
							PCB-1016 Peak 3	800 ug/L
							PCB-1016 Peak 4	800 ug/L
							PCB-1016 Peak 5	800 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 1	800 ug/L
							PCB-1260 Peak 2	800 ug/L
							PCB-1260 Peak 3	800 ug/L
							PCB-1260 Peak 4	800 ug/L
							PCB-1260 Peak 5	800 ug/L
					GCSUTCX/DCBw_00007	800 uL	DCB Decachlorobiphenyl	80 ug/L
							Tetrachloro-m-xylene	80 ug/L
.GC80821660i_00003	12/18/10	06/18/10	HEXANE, Lot 22044	40 mL	GC8082_1660s_00004	400 uL	PCB-1016 Peak 1	10 ug/mL
							PCB-1016 Peak 2	10 ug/mL
							PCB-1016 Peak 3	10 ug/mL
							PCB-1016 Peak 4	10 ug/mL
							PCB-1016 Peak 5	10 ug/mL
							PCB-1260 Peak 1	10 ug/mL
							PCB-1260 Peak 2	10 ug/mL
							PCB-1260 Peak 3	10 ug/mL
							PCB-1260 Peak 4	10 ug/mL
							PCB-1260 Peak 5	10 ug/mL
..GC8082_1660s_00004	11/01/15	RESTEK, Lot A063521			(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.GCSUTCX/DCBw_00007	12/18/10	06/18/10	HEXANE, Lot 22044	20 mL	GCTCX/DCBSUs_00005	1 mL	DCB Decachlorobiphenyl	10 ug/mL
							Tetrachloro-m-xylene	10 ug/mL
..GCTCX/DCBSUs_00005	01/15/17	RESTEK, Lot A069056			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
MEHGCCVw_00164	12/15/10	10/28/10	DI WATER, Lot na	100 mL	MEHGCCVi_00006	1 mL	Mercury	100 ppb
.MEHGCCVi_00006	12/15/10	10/14/10	DI WATER, Lot na	200 mL	MESPEXHGs_00002	2 mL	Mercury	10 mg/L
..MESPEXHGs_00002	12/15/10	Spex, Lot 15-37HG			(Purchased Reagent)		Mercury	1000 ppm
MEHGICVw_00008	03/01/11	10/27/10	HNO3, Lot H10040	500 mL	MEHGICVi_00003	1.5 mL	Mercury	30 ppb
.MEHGICVi_00003	03/01/11	03/03/10	HNO3, Lot H10040	100 mL	MEIVHGs_00002	1 mL	Mercury	10000 ppb
..MEIVHGs_00002	03/01/11	Inorganic Ventures, Lot C2-HG02070			(Purchased Reagent)		Mercury	1000 ug/mL
MEICPMSCALi_00009	12/15/10	09/27/10	DI WATER, Lot na	100 mL	MEAWTHs_00002	0.2 mL	Th	2 ppm
					MEAWWs_00001	0.2 mL	W	2 ppm
					MESPEXAGs_00002	0.2 mL	Silver	2 ppm
					MESPEXALs_00003	0.8 mL	Aluminum	80 ppm
					MESPEXASs_00002	0.2 mL	Arsenic	2 ppm
					MESPEXBAs_00003	5 mL	Barium	50 ppm
					MESPEXBEs_00002	0.2 mL	Beryllium	2 ppm
					MESPEXBs_00003	4 mL	B	40 ppm
					MESPEXCAs_00004	10 mL	Calcium	1000 ppm
					MESPEXCDs_00002	0.2 mL	Cadmium	2 ppm
					MESPEXCOs_00003	1 mL	Cobalt	10 ppm
					MESPEXCRs_00002	0.4 mL	Chromium	4 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MESPEXCUs_00002	0.4 mL	Copper	4 ppm
					MESPEXFEs_00002	2 mL	Iron	200 ppm
					MESPEXKs_00002	10 mL	Potassium	1000 ppm
					MESPEXMGs_00004	10 mL	Magnesium	1000 ppm
					MESPEXMNs_00002	0.4 mL	Manganese	4 ppm
					MESPEXMOs_00002	2 mL	Mo	20 ppm
					MESPEXNAs_00003	10 mL	Sodium	1000 ppm
					MESPEXNIs_00003	0.4 mL	Nickel	4 ppm
					MESPEXPBs_00003	0.2 mL	Lead	2 ppm
					MESPEXSBs_00003	0.4 mL	Antimony	4 ppm
					MESPEXSEs_00002	0.2 mL	Selenium	2 ppm
					MESPEXTLs_00002	0.2 mL	Thallium	2 ppm
					MESPEXUs_00002	0.2 mL	U	2 ppm
					MESPEXVs_00002	0.4 mL	Vanadium	4 ppm
					MESPEXZNs_00002	0.4 mL	Zinc	4 ppm
.MEAWTHs_00002	04/05/11	Analytical West, Lot 0927204			(Purchased Reagent)		Th	1000 ug/mL
.MEAWWs_00001	03/11/11	Analytical West, Lot 0920102			(Purchased Reagent)		W	1000 ug/mL
.MESPEXAGs_00002	03/30/11	Spex, Lot 15-162AG			(Purchased Reagent)		Silver	1000 mg/L
.MESPEXALs_00003	06/30/11	SPEX, Lot Z11-219AL			(Purchased Reagent)		Aluminum	10000 mg/L
.MESPEXASs_00002	12/15/10	Spex, Lot 15-60AS			(Purchased Reagent)		Arsenic	1000 ppm
.MESPEXBAs_00003	09/15/11	Spex, Lot 15-160BA			(Purchased Reagent)		Barium	1000 mg/L
.MESPEXBEs_00002	03/30/11	Spex, Lot 15-127BE			(Purchased Reagent)		Beryllium	1000 mg/L
.MESPEXBs_00003	12/15/10	Spex, Lot 15-36B			(Purchased Reagent)		B	1000 mg/L
.MESPEXCAs_00004	06/15/11	SPEX, Lot AC11-223CA			(Purchased Reagent)		Calcium	10000 mg/L
.MESPEXCDs_00002	03/30/11	Spex, Lot 15-119CD			(Purchased Reagent)		Cadmium	1000 mg/L
.MESPEXCOs_00003	08/15/11	Spex, Lot 16-70CO			(Purchased Reagent)		Cobalt	1000 mg/L
.MESPEXCRs_00002	02/28/11	Spex, Lot 15-65CR			(Purchased Reagent)		Chromium	1000 mg/L
.MESPEXCUs_00002	02/28/11	Spex, Lot 15-104CU			(Purchased Reagent)		Copper	1000 mg/L
.MESPEXFEs_00002	06/30/11	Spex, Lot AB12-31FE			(Purchased Reagent)		Iron	10000 mg/L
.MESPEXKs_00002	12/15/10	Spex, Lot AC11-228K			(Purchased Reagent)		Potassium	10000 ppm
.MESPEXMGs_00004	06/30/11	SPEX, Lot AB12-64MG			(Purchased Reagent)		Magnesium	10000 mg/L
.MESPEXMNs_00002	03/30/11	Spex, Lot 15-91MN			(Purchased Reagent)		Manganese	1000 mg/L
.MESPEXMOs_00002	03/30/11	SPEX, Lot 15-110MO			(Purchased Reagent)		Mo	1000 mg/L
.MESPEXNAs_00003	04/30/11	SPEX, Lot AD12-78NA			(Purchased Reagent)		Sodium	10000 mg/L
.MESPEXNIs_00003	03/30/11	SPEX, Lot 15-121NI			(Purchased Reagent)		Nickel	1000 mg/L
.MESPEXPBs_00003	04/30/11	SPEX, Lot 15-122PB			(Purchased Reagent)		Lead	1000 mg/L
.MESPEXSBs_00003	07/30/11	SPEX, Lot 15-174SB			(Purchased Reagent)		Antimony	1000 mg/L
.MESPEXSEs_00002	02/28/11	Spex, Lot 15-182Se			(Purchased Reagent)		Selenium	1000 mg/L
.MESPEXTLs_00002	01/15/11	Spex, Lot 15-95TL			(Purchased Reagent)		Thallium	1000 mg/L
.MESPEXUs_00002	02/28/11	Spex, Lot 14-163U			(Purchased Reagent)		U	1000 mg/L
.MESPEXVs_00002	12/15/10	Spex, Lot 15-131V			(Purchased Reagent)		Vanadium	1000 ppm
.MESPEXZNs_00002	12/15/10	Spex, Lot 15-99Zn			(Purchased Reagent)		Zinc	1000 ppm
MEICPMSICVi_00009	12/01/10	09/27/10	DI WATER, Lot na	100 mL	MEIVAGs_00003	0.25 mL	Silver	2.5 ppm
					MEIVALs_00003	1 mL	Aluminum	100 ppm
					MEIVASs_00002	0.25 mL	Arsenic	2.5 ppm
					MEIVBAs_00004	12.5 mL	Barium	125 ppm
					MEIVBEs_00002	0.25 mL	Beryllium	2.5 ppm
					MEIVCAs_00004	12.5 mL	Calcium	1250 ppm
					MEIVCDs_00002	0.25 mL	Cadmium	2.5 ppm
					MEIVCRs_00002	0.5 mL	Chromium	5 ppm

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MEIVCUs_00002	0.5 mL	Copper	5 ppm
					MEIVFEs_00002	2.5 mL	Iron	250 ppm
					MEIVKs_00002	12.5 mL	Potassium	1250 ppm
					MEIVMGs_00003	12.5 mL	Magnesium	1250 ppm
					MEIVMNs_00002	0.5 mL	Manganese	5 ppm
					MEIVNAs_00002	12.5 mL	Sodium	1250 ppm
					MEIVNIs_00002	0.5 mL	Nickel	5 ppm
					MEIVPBs_00003	0.25 mL	Lead	2.5 ppm
					MEIVSBs_00004	0.5 mL	Antimony	5 ppm
					MEIVSEs_00003	0.25 mL	Selenium	2.5 ppm
					MEIVTLs_00004	0.25 mL	Thallium	2.5 ppm
					MEIVVs_00002	0.5 mL	Vanadium	5 ppm
					MEIVZNs_00002	0.5 mL	Zinc	5 ppm
					MIVCOs_00001	1.25 mL	Cobalt	12.5 ppm
.MEIVAGs_00003	10/01/11		Inorganic Ventures, Lot D2-AG03004		(Purchased Reagent)		Silver	1000 ug/mL
.MEIVALs_00003	05/01/11		Inorganic Ventures, Lot D2-AL04081		(Purchased Reagent)		Aluminum	10000 ppm
.MEIVASs_00002	01/01/11		Inorganic Ventures, Lot C2-AS02061		(Purchased Reagent)		Arsenic	1000 ppm
.MEIVBAs_00004	10/01/11		Inorganic Ventures, Lot D2-BA02055		(Purchased Reagent)		Barium	1000 ug/mL
.MEIVBEs_00002	03/01/11		Inorganic Ventures, Lot C2-BE01124		(Purchased Reagent)		Beryllium	1000 ppm
.MEIVCAs_00004	06/01/11		Inorganic Ventures, Lot D2-CA03141		(Purchased Reagent)		Calcium	10000 ug/mL
.MEIVCDs_00002	04/01/11		Inorganic Ventures, Lot C2-CD02018		(Purchased Reagent)		Cadmium	1000 ug/mL
.MEIVCRs_00002	03/01/11		Inorganic Ventures, Lot B2-CR03013		(Purchased Reagent)		Chromium	1000 ug/mL
.MEIVCUs_00002	03/01/11		Inorganic Ventures, Lot C2-CU02112		(Purchased Reagent)		Copper	1000 ug/mL
.MEIVFEs_00002	12/01/10		Inorganic Ventures, Lot C2-FE03101		(Purchased Reagent)		Iron	10000 ppm
.MEIVKs_00002	02/01/11		Inorganic Ventures, Lot C2-K03005		(Purchased Reagent)		Potassium	10000 ug/mL
.MEIVMGs_00003	04/01/11		Inorganic Ventures, Lot C2-MG03078		(Purchased Reagent)		Magnesium	10000 ppm
.MEIVMNs_00002	06/01/11		Inorganic Ventures, Lot C2-MN02072		(Purchased Reagent)		Manganese	1000 ug/mL
.MEIVNAs_00002	02/01/11		Inorganic Ventures, Lot C2-NA03064		(Purchased Reagent)		Sodium	10000 ug/mL
.MEIVNIs_00002	06/01/11		Inorganic Ventures, Lot C2-NI02059		(Purchased Reagent)		Nickel	1000 ug/mL
.MEIVPBs_00003	04/01/11		Inorganic Ventures, Lot C2-PB03013		(Purchased Reagent)		Lead	1000 ug/mL
.MEIVSBs_00004	10/01/11		Inorganic Ventures, Lot C2-SB02121		(Purchased Reagent)		Antimony	1000 ug/mL
.MEIVSEs_00003	06/01/11		Inorganic Ventures, Lot D2-SE02020		(Purchased Reagent)		Selenium	1000 ug/mL
.MEIVTLs_00004	06/01/11		Inorganic Ventures, Lot D2-TL01111		(Purchased Reagent)		Thallium	1000 ug/mL
.MEIVVs_00002	04/01/11		Inorganic Ventures, Lot C2-V02057		(Purchased Reagent)		Vanadium	1000 ug/mL
.MEIVZNs_00002	04/01/11		Inorganic Ventures, Lot C2-ZN02051		(Purchased Reagent)		Zinc	1000 ug/mL
.MIVCOs_00001	02/10/11		Inorganic Ventures, Lot B2-CO02014		(Purchased Reagent)		Cobalt	1000 ug/mL
MEMSABw_00019	02/10/11	10/20/10	DI WATER, Lot na	200 mL	ME6020ICS-OAs_00002	20 mL	Aluminum	100000 ppb
							Calcium	100000 ppb
							Iron	100000 ppb
							Magnesium	100000 ppb
							Mo	2000 ppb
							Potassium	100000 ppb
							Sodium	100000 ppb
					MEIV6020OBs_00001	2 mL	Arsenic	20 ppb
							Cadmium	20 ppb
							Chromium	40 ppb
							Cobalt	50 ppb
							Copper	100 ppb
							Manganese	40 ppb
							Nickel	100 ppb

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Silver	20 ppb
							Zinc	100 ppb
					MEMSABINTi_00008	0.4 mL	B	200 ppb
							Barium	500 ppb
							Beryllium	20 ppb
							Chromium	40 ppb
							Copper	100 ppb
							Manganese	40 ppb
							Nickel	100 ppb
							Lead	20 ppb
							Antimony	100 ppb
							Selenium	20 ppb
							Thallium	20 ppb
							Vanadium	40 ppb
							W	20 ppb
							Zinc	100 ppb
							Cobalt	50 ppb
.ME6020ICS-OAs_00002	07/01/11	Inorganic Ventures, Lot C2-MEB307012			(Purchased Reagent)		Aluminum	1000 ug/mL
							Calcium	1000 ug/mL
							Iron	1000 ug/mL
							Magnesium	1000 ug/mL
							Mo	20 ug/mL
							Potassium	1000 ug/mL
							Sodium	1000 ug/mL
.MEIV6020OBs_00001	03/01/11	Inorganic Ventures, Lot A2-MEB194156			(Purchased Reagent)		Arsenic	2 ug/mL
							Cadmium	2 ug/mL
							Chromium	2 ug/mL
							Cobalt	2 ug/mL
							Copper	2 ug/mL
							Manganese	2 ug/mL
							Nickel	2 ug/mL
							Silver	2 ug/mL
							Zinc	2 ug/mL
.MEMSABINTi_00008	02/10/11	09/29/10	HNO3, Lot H10040	100 mL	MEBIVs_00002	10 mL	B	100000 ppb
					MEIVBAs_00004	25 mL	Barium	250000 ppb
					MEIVBEs_00002	1 mL	Beryllium	10000 ppb
					MEIVCRs_00002	1 mL	Chromium	10000 ppb
					MEIVCUs_00002	4 mL	Copper	40000 ppb
					MEIVMNs_00002	1 mL	Manganese	10000 ppb
					MEIVNIs_00002	4 mL	Nickel	40000 ppb
					MEIVPBs_00003	1 mL	Lead	10000 ppb
					MEIVSBs_00004	5 mL	Antimony	50000 ppb
					MEIVSEs_00003	1 mL	Selenium	10000 ppb
					MEIVTLs_00004	1 mL	Thallium	10000 ppb
					MEIVVs_00002	2 mL	Vanadium	20000 ppb
					MEIVWs_00004	1 mL	W	10000 ppb
					MEIVZNs_00002	4 mL	Zinc	40000 ppb
					MIVCOs_00001	1.5 mL	Cobalt	15000 ppb
..MEBIVs_00002	04/01/11	Inorganic Ventures, Lot C2-B02083			(Purchased Reagent)		B	1000 ug/mL
..MEIVBAs_00004	10/01/11	Inorganic Ventures, Lot D2-B02065			(Purchased Reagent)		Barium	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MEIVBEs_00002	03/01/11	Inorganic Ventures, Lot C2-BE01124			(Purchased Reagent)		Beryllium	1000 ppm
..MEIVCRs_00002	03/01/11	Inorganic Ventures, Lot B2-CR03013			(Purchased Reagent)		Chromium	1000 ug/mL
..MEIVCUs_00002	03/01/11	Inorganic Ventures, Lot C2-CU02112			(Purchased Reagent)		Copper	1000 ug/mL
..MEIVMNs_00002	06/01/11	Inorganic Ventures, Lot C2-MN02072			(Purchased Reagent)		Manganese	1000 ug/mL
..MEIVNIs_00002	06/01/11	Inorganic Ventures, Lot C2-NI02059			(Purchased Reagent)		Nickel	1000 ug/mL
..MEIVPBs_00003	04/01/11	Inorganic Ventures, Lot C2-PB03013			(Purchased Reagent)		Lead	1000 ug/mL
..MEIVSBs_00004	10/01/11	Inorganic Ventures, Lot C2-SB02121			(Purchased Reagent)		Antimony	1000 ug/mL
..MEIVSEs_00003	06/01/11	Inorganic Ventures, Lot D2-SE02020			(Purchased Reagent)		Selenium	1000 ug/mL
..MEIVTLs_00004	06/01/11	Inorganic Ventures, Lot D2-TL01111			(Purchased Reagent)		Thallium	1000 ug/mL
..MEIVVs_00002	04/01/11	Inorganic Ventures, Lot C2-V02057			(Purchased Reagent)		Vanadium	1000 ug/mL
..MEIVWs_00004	04/01/11	Inorganic Ventures, Lot C2-W01106			(Purchased Reagent)		W	1000 ug/mL
..MEIVZNs_00002	04/01/11	Inorganic Ventures, Lot C2-ZN02051			(Purchased Reagent)		Zinc	1000 ug/mL
..MIVCOs_00001	02/10/11	Inorganic Ventures, Lot B2-CO02014			(Purchased Reagent)		Cobalt	1000 ug/mL
MEMSICSAW_00010	12/04/10	08/26/10	DI WATER, Lot na	200 mL	ME6020ICS-OAs_00002	20 mL	Aluminum	100000 ppb
							Calcium	100000 ppb
							Iron	100000 ppb
							Magnesium	100000 ppb
							Mo	2000 ppb
							Potassium	100000 ppb
							Sodium	100000 ppb
.ME6020ICS-OAs_00002	07/01/11	Inorganic Ventures, Lot C2-MEB307012			(Purchased Reagent)		Aluminum	1000 ug/mL
							Calcium	1000 ug/mL
							Iron	1000 ug/mL
							Magnesium	1000 ug/mL
							Mo	20 ug/mL
							Potassium	1000 ug/mL
							Sodium	1000 ug/mL

Method 8082

Polychlorinated Biphenyls (PCBs) by Gas Chromatography by Method 8082

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Matrix: Tissue Level: Low

GC Column (1): RTX-5 ID: 0.25(mm) GC Column (2): RTX-35 ID: 0.25(mm)

Client Sample ID	Lab Sample ID	TCX1	#	TCX2	#	DCB1	#	DCB2	#
RFF10-02	200-2079-1	100		98		79		89	
RFF10-02 RE	200-2079-1 RE	91	E	89	E	82	E	84	E
RBC10-05	200-2079-2	99		96		83		85	
RBC10-05 RE	200-2079-2 RE	104	E	102	E	92	E	95	E
RVG10-01	200-2079-3	99		91		89		77	
RVG10-01 RE	200-2079-3 RE	98	E	92	E	81	E	81	E
RVG10-02	200-2079-4	93		84		82		82	
RVG10-02 RE	200-2079-4 RE	95	E	93	E	77		82	E
RVG10-03	200-2079-5	98		90		79		83	
RVG10-03 RE	200-2079-5 RE	82	E	76		72		77	
RFF10-05	200-2079-6	101		98		85		91	
RFF10-05 RE	200-2079-6 RE	87	E	84	E	79		81	E
RBC10-02	200-2079-7	100		96		87		86	
RBC10-02 RE	200-2079-7 RE	91	E	88	E	85	E	86	E
RBC10-01	200-2079-8	101		97		91		89	
RBC10-01 RE	200-2079-8 RE	96	E	92	E	79		93	E
RFF10-04	200-2079-9	85		84		74		76	
RFF10-04 RE	200-2079-9 RE	86	E	84	E	77		81	E
RFF10-03	200-2079-10	91		88		78		80	
RFF10-03 RE	200-2079-10 RE	79		77		44	p X	76	
RFF10-01	200-2079-11	106		102		91		90	
RFF10-01 RE	200-2079-11 RE	93	E	89	E	45	p	88	E
RLB10-01	200-2079-12	100		96		90		88	
RLB10-01 RE	200-2079-12 RE	102	E	101	E	91	E	99	E
RLB-10-02	200-2079-13	101		95		89		89	
RLB-10-02 RE	200-2079-13 RE	103	E	100	E	91	E	99	E
EQBLKPT	200-2079-14	93		89		91		85	
EQBLKPT RE	200-2079-14 RE	87	E	85	E	92	E	87	E
EQBLKFT	200-2079-15	68		66		66		61	
EQBLKFT RE	200-2079-15 RE	63		63		63		60	
FF10-07	200-2081-1	103		95		84		88	
VG10-07	200-2081-2	97		87		77		79	
VG10-07 RE	200-2081-2 RE	68		62		60		63	
VG10-15	200-2081-3	98		86		80		81	
VG10-15 RE	200-2081-3 RE	88	E	82	E	79		83	E

	QC LIMITS
TCX = Tetrachloro-m-xylene	30-130
DCB = DCB Decachlorobiphenyl	45-125

Column to be used to flag recovery values

FORM II 8082

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Matrix: Tissue Level: Low

GC Column (1): RTX-5 ID: 0.25(mm) GC Column (2): RTX-35 ID: 0.25(mm)

Client Sample ID	Lab Sample ID	TCX1	#	TCX2	#	DCB1	#	DCB2	#
VG10-01	200-2081-4	104		96		87		84	
VG10-01 RE	200-2081-4 RE	105	E	100	E	91	E	92	E
VG10-14	200-2081-5	102		92		89		70	
VG10-14 RE	200-2081-5 RE	92	E	86	E	80	E	73	
	MB 200-8617/1-B	89		88		84		81	
	MB 200-8617/1-C	95		88		92		86	
	MB 200-10336/1-C	91	E	91	E	95	E	94	E
	LCS 200-8617/2-B	92		91		88		86	
	LCS 200-10336/2-C	96	E	95	E	96	E	94	E
RVG10-02 MS	200-2079-4 MS	99		88		84		87	
RLB10-01 MS	200-2079-12 MS	99		94		88		87	
RLB10-01 MS RE	200-2079-12 MS RE	94	E	91	E	77		85	E
RVG10-02 MSD	200-2079-4 MSD	96		88		83		82	
RLB10-01 MSD	200-2079-12 MSD	100		95		87		89	
RLB10-01 MSD RE	200-2079-12 MSD RE	95	E	93	E	70		86	E
RVG10-02 DU	200-2079-4 DU	101		93		88		86	
RLB10-01 DU	200-2079-12 DU	99		96		88		89	
RLB10-01 DU RE	200-2079-12 DU RE	97	E	94	E	90	E	94	E

	QC LIMITS
TCX = Tetrachloro-m-xylene	30-130
DCB = DCB Decachlorobiphenyl	45-125

Column to be used to flag recovery values

FORM II 8082

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Matrix: Tissue Level: Low Lab File ID: 05nov101546-r041.d

Lab ID: LCS 200-8617/2-B Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	498	454	91	49-122	
PCB-1260	498	445	89	51-127	

Column to be used to flag recovery and RPD values

FORM III 8082

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Matrix: Tissue Level: Low Lab File ID: 15dec101459-r021.d

Lab ID: LCS 200-10336/2-C Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	498	415	83	49-122	E
PCB-1260	498	439	88	51-127	E

Column to be used to flag recovery and RPD values

FORM III 8082

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Matrix: Tissue Level: Low Lab File ID: 09nov101450-r291.d

Lab ID: 200-2079-4 MS Client ID: RVG10-02 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
PCB-1016	473	49 U	441	93	26-144	
PCB-1260	473	49 U	436	92	37-138	

Column to be used to flag recovery and RPD values

FORM III 8082

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Matrix: Tissue Level: Low Lab File ID: 05nov101546-r221.d

Lab ID: 200-2079-12 MS Client ID: RLB10-01 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
PCB-1016	501	52 U	475	95	26-144	
PCB-1260	501	52 U	436	87	37-138	

Column to be used to flag recovery and RPD values

FORM III 8082

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Matrix: Tissue Level: Low Lab File ID: 15dec101459-r201.d

Lab ID: 200-2079-12 MS RE Client ID: RLB10-01 MS RE

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
PCB-1016	501	21 U	360	72	26-144	E
PCB-1260	501	21 U	378	75	37-138	E

Column to be used to flag recovery and RPD values

FORM III 8082

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Matrix: Tissue Level: Low Lab File ID: 09nov101450-r301.d

Lab ID: 200-2079-4 MSD Client ID: RVG10-02 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	488	440	90	0	39	26-144	
PCB-1260	488	436	89	0	33	37-138	

Column to be used to flag recovery and RPD values

FORM III 8082

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Matrix: Tissue Level: Low Lab File ID: 05nov101546-r231.d

Lab ID: 200-2079-12 MSD Client ID: RLB10-01 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	489	454	93	5	39	26-144	
PCB-1260	489	413	85	5	33	37-138	

Column to be used to flag recovery and RPD values

FORM III 8082

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Matrix: Tissue Level: Low Lab File ID: 15dec101459-r211.d

Lab ID: 200-2079-12 MSD RE Client ID: RLB10-01 MSD RE

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	489	367	75	2	39	26-144	E
PCB-1260	489	385	79	2	33	37-138	E

Column to be used to flag recovery and RPD values

FORM III 8082

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: MB 200-8617/1-B

Matrix: Tissue Date Extracted: 10/28/2010 16:01

Lab File ID:(1) 05nov101546-r031.d Lab File ID:(2) 05nov101546-r031.d

Date Analyzed:(1) 11/05/2010 16:39 Date Analyzed:(2) 11/05/2010 16:39

Instrument ID:(1) 7227.i Instrument ID:(2) 7227.i

GC Column:(1) RTX-5 ID: 0.25(mm) GC Column:(2) RTX-35 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 200-8617/2-B	11/05/2010 17:03	11/05/2010 17:03
RFF10-02	200-2079-1	11/05/2010 17:27	11/05/2010 17:27
RBC10-05	200-2079-2	11/05/2010 17:52	11/05/2010 17:52
RVG10-03	200-2079-5	11/05/2010 20:17	11/05/2010 20:17
RFF10-05	200-2079-6	11/05/2010 21:06	11/05/2010 21:06
RBC10-02	200-2079-7	11/05/2010 21:30	11/05/2010 21:30
RBC10-01	200-2079-8	11/05/2010 21:54	11/05/2010 21:54
RFF10-04	200-2079-9	11/05/2010 22:19	11/05/2010 22:19
RFF10-03	200-2079-10	11/05/2010 22:43	11/05/2010 22:43
RFF10-01	200-2079-11	11/05/2010 23:07	11/05/2010 23:07
RLB10-01	200-2079-12	11/05/2010 23:31	11/05/2010 23:31
RLB10-01 DU	200-2079-12 DU	11/05/2010 23:55	11/05/2010 23:55
RLB10-01 MS	200-2079-12 MS	11/06/2010 00:20	11/06/2010 00:20
RLB10-01 MSD	200-2079-12 MSD	11/06/2010 00:44	11/06/2010 00:44
RLB-10-02	200-2079-13	11/06/2010 01:32	11/06/2010 01:32
EQBLKPT	200-2079-14	11/06/2010 01:57	11/06/2010 01:57
EQBLKFT	200-2079-15	11/06/2010 02:21	11/06/2010 02:21
VG10-07	200-2081-2	11/06/2010 03:09	11/06/2010 03:09
VG10-15	200-2081-3	11/06/2010 03:33	11/06/2010 03:33
VG10-14	200-2081-5	11/06/2010 04:22	11/06/2010 04:22
FF10-07	200-2081-1	11/10/2010 00:05	11/10/2010 00:05

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: MB 200-8617/1-C

Matrix: Tissue Date Extracted: 10/28/2010 16:01

Lab File ID:(1) 09nov101450-r251.d Lab File ID:(2) 09nov101450-r251.d

Date Analyzed:(1) 11/10/2010 00:53 Date Analyzed:(2) 11/10/2010 00:53

Instrument ID:(1) 7227.i Instrument ID:(2) 7227.i

GC Column:(1) RTX-5 ID: 0.25(mm) GC Column:(2) RTX-35 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
RVG10-01	200-2079-3	11/10/2010 01:17	11/10/2010 01:17
RVG10-02	200-2079-4	11/10/2010 01:41	11/10/2010 01:41
RVG10-02 DU	200-2079-4 DU	11/10/2010 02:06	11/10/2010 02:06
RVG10-02 MS	200-2079-4 MS	11/10/2010 02:30	11/10/2010 02:30
RVG10-02 MSD	200-2079-4 MSD	11/10/2010 02:54	11/10/2010 02:54
VG10-01	200-2081-4	11/10/2010 03:19	11/10/2010 03:19

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: MB 200-10336/1-C

Matrix: Tissue Date Extracted: 11/30/2010 09:35

Lab File ID:(1) 15dec101459-r011.d Lab File ID:(2) 15dec101459-r011.d

Date Analyzed:(1) 12/15/2010 21:32 Date Analyzed:(2) 12/15/2010 21:32

Instrument ID:(1) 3283.i Instrument ID:(2) 3283.i

GC Column:(1) RTX-5 ID: 0.25(mm) GC Column:(2) RTX-35 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 200-10336/2-C	12/15/2010 21:56	12/15/2010 21:56
RFF10-02 RE	200-2079-1 RE	12/15/2010 22:21	12/15/2010 22:21
RBC10-05 RE	200-2079-2 RE	12/15/2010 22:45	12/15/2010 22:45
RVG10-01 RE	200-2079-3 RE	12/15/2010 23:11	12/15/2010 23:11
RVG10-02 RE	200-2079-4 RE	12/15/2010 23:35	12/15/2010 23:35
RVG10-03 RE	200-2079-5 RE	12/16/2010 01:15	12/16/2010 01:15
RFF10-05 RE	200-2079-6 RE	12/16/2010 02:04	12/16/2010 02:04
RBC10-02 RE	200-2079-7 RE	12/16/2010 02:29	12/16/2010 02:29
RBC10-01 RE	200-2079-8 RE	12/16/2010 02:54	12/16/2010 02:54
RFF10-04 RE	200-2079-9 RE	12/16/2010 03:19	12/16/2010 03:19
RFF10-03 RE	200-2079-10 RE	12/16/2010 03:44	12/16/2010 03:44
RFF10-01 RE	200-2079-11 RE	12/16/2010 04:09	12/16/2010 04:09
RLB10-01 RE	200-2079-12 RE	12/16/2010 04:33	12/16/2010 04:33
RLB10-01 DU RE	200-2079-12 DU RE	12/16/2010 04:58	12/16/2010 04:58
RLB10-01 MS RE	200-2079-12 MS RE	12/16/2010 05:23	12/16/2010 05:23
RLB10-01 MSD RE	200-2079-12 MSD RE	12/16/2010 05:47	12/16/2010 05:47
RLB-10-02 RE	200-2079-13 RE	12/16/2010 06:37	12/16/2010 06:37
EQBLKPT RE	200-2079-14 RE	12/16/2010 07:03	12/16/2010 07:03
EQBLKFT RE	200-2079-15 RE	12/16/2010 07:28	12/16/2010 07:28
VG10-07 RE	200-2081-2 RE	12/16/2010 07:53	12/16/2010 07:53
VG10-15 RE	200-2081-3 RE	12/16/2010 08:19	12/16/2010 08:19
VG10-01 RE	200-2081-4 RE	12/16/2010 08:44	12/16/2010 08:44
VG10-14 RE	200-2081-5 RE	12/16/2010 09:08	12/16/2010 09:08

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Sample No.: ICRT 200-11196/13 Date Analyzed: 12/15/2010 19:29

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): 15dec101426-r131.d Heated Purge: (Y/N) N

Calibration ID: 4067

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				3.25	13.40	
UPPER LIMIT				3.30	13.45	
LOWER LIMIT				3.20	13.35	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 200-11196/13		12/15/2010 19:29	15dec101426-r131.d	3.25	13.40	
MB 200-10336/1-C		12/15/2010 21:32	15dec101459-r01 1.d	3.26	13.40	
LCS 200-10336/2-C		12/15/2010 21:56	15dec101459-r02 1.d	3.26	13.40	
200-2079-1 RE	RFF10-02 RE	12/15/2010 22:21	15dec101459-r03 1.d	3.26	13.41	
200-2079-2 RE	RBC10-05 RE	12/15/2010 22:45	15dec101459-r04 1.d	3.26	13.40	
200-2079-5 RE	RVG10-03 RE	12/16/2010 01:15	15dec101459-r10 1.d	3.26	13.40	
CCV 200-11224/11		12/16/2010 01:39	15dec101459-r11 1.d	3.26	13.41	
200-2079-6 RE	RFF10-05 RE	12/16/2010 02:04	15dec101459-r12 1.d	3.26	13.41	
200-2079-7 RE	RBC10-02 RE	12/16/2010 02:29	15dec101459-r13 1.d	3.25	13.40	
200-2079-8 RE	RBC10-01 RE	12/16/2010 02:54	15dec101459-r14 1.d	3.27	13.41	
200-2079-9 RE	RFF10-04 RE	12/16/2010 03:19	15dec101459-r15 1.d	3.26	13.41	
200-2079-10 RE	RFF10-03 RE	12/16/2010 03:44	15dec101459-r16 1.d	3.27	13.41	
200-2079-11 RE	RFF10-01 RE	12/16/2010 04:09	15dec101459-r17 1.d	3.27	13.41	
200-2079-12 RE	RLB10-01 RE	12/16/2010 04:33	15dec101459-r18 1.d	3.26	13.41	
200-2079-12 DU RE	RLB10-01 DU RE	12/16/2010 04:58	15dec101459-r19 1.d	3.26	13.40	
200-2079-12 MS RE	RLB10-01 MS RE	12/16/2010 05:23	15dec101459-r20 1.d	3.25	13.40	
200-2079-12 MSD RE	RLB10-01 MSD RE	12/16/2010 05:47	15dec101459-r21 1.d	3.25	13.40	
CCV 200-11224/22		12/16/2010 06:13	15dec101459-r22 1.d	3.25	13.40	
200-2079-13 RE	RLB-10-02 RE	12/16/2010 06:37	15dec101459-r23 1.d	3.26	13.40	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Sample No.: ICRT 200-11196/13 Date Analyzed: 12/15/2010 19:29

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): 15dec101426-r131.d Heated Purge: (Y/N) N

Calibration ID: 4067

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				3.25	13.40	
UPPER LIMIT				3.30	13.45	
LOWER LIMIT				3.20	13.35	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
200-2079-14 RE	EQBLKPT RE	12/16/2010 07:03	15dec101459-r241.d	3.26	13.40	
200-2079-15 RE	EQBLKFT RE	12/16/2010 07:28	15dec101459-r251.d	3.25	13.40	
200-2081-2 RE	VG10-07 RE	12/16/2010 07:53	15dec101459-r261.d	3.25	13.40	
200-2081-3 RE	VG10-15 RE	12/16/2010 08:19	15dec101459-r271.d	3.26	13.40	
200-2081-5 RE	VG10-14 RE	12/16/2010 09:08	15dec101459-r291.d	3.26	13.40	
CCV 200-11224/30		12/16/2010 09:34	15dec101459-r301.d	3.25	13.40	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Sample No.: ICRT 200-11196/13 Date Analyzed: 12/15/2010 19:29

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm)

Lab File ID (Standard): 15dec101426-r131.d Heated Purge: (Y/N) N

Calibration ID: 4075

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				3.19	13.70	
UPPER LIMIT				3.24	13.75	
LOWER LIMIT				3.14	13.65	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 200-11196/13		12/15/2010 19:29	15dec101426-r131.d	3.19	13.70	
MB 200-10336/1-C		12/15/2010 21:32	15dec101459-r01 1.d	3.19	13.69	
LCS 200-10336/2-C		12/15/2010 21:56	15dec101459-r02 1.d	3.20	13.71	
200-2079-1 RE	RFF10-02 RE	12/15/2010 22:21	15dec101459-r03 1.d	3.19	13.70	
200-2079-2 RE	RBC10-05 RE	12/15/2010 22:45	15dec101459-r04 1.d	3.20	13.71	
200-2079-5 RE	RVG10-03 RE	12/16/2010 01:15	15dec101459-r10 1.d	3.19	13.70	
CCV 200-11224/11		12/16/2010 01:39	15dec101459-r11 1.d	3.19	13.70	
200-2079-6 RE	RFF10-05 RE	12/16/2010 02:04	15dec101459-r12 1.d	3.20	13.71	
200-2079-7 RE	RBC10-02 RE	12/16/2010 02:29	15dec101459-r13 1.d	3.19	13.69	
200-2079-8 RE	RBC10-01 RE	12/16/2010 02:54	15dec101459-r14 1.d	3.21	13.71	
200-2079-9 RE	RFF10-04 RE	12/16/2010 03:19	15dec101459-r15 1.d	3.20	13.71	
200-2079-10 RE	RFF10-03 RE	12/16/2010 03:44	15dec101459-r16 1.d	3.19	13.70	
200-2079-11 RE	RFF10-01 RE	12/16/2010 04:09	15dec101459-r17 1.d	3.20	13.71	
200-2079-12 RE	RLB10-01 RE	12/16/2010 04:33	15dec101459-r18 1.d	3.20	13.70	
200-2079-12 DU RE	RLB10-01 DU RE	12/16/2010 04:58	15dec101459-r19 1.d	3.19	13.69	
200-2079-12 MS RE	RLB10-01 MS RE	12/16/2010 05:23	15dec101459-r20 1.d	3.19	13.69	
200-2079-12 MSD RE	RLB10-01 MSD RE	12/16/2010 05:47	15dec101459-r21 1.d	3.19	13.69	
CCV 200-11224/22		12/16/2010 06:13	15dec101459-r22 1.d	3.19	13.70	
200-2079-13 RE	RLB-10-02 RE	12/16/2010 06:37	15dec101459-r23 1.d	3.19	13.69	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Sample No.: ICRT 200-11196/13 Date Analyzed: 12/15/2010 19:29

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm)

Lab File ID (Standard): 15dec101426-r131.d Heated Purge: (Y/N) N

Calibration ID: 4075

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				3.19	13.70	
UPPER LIMIT				3.24	13.75	
LOWER LIMIT				3.14	13.65	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
200-2079-14 RE	EQBLKPT RE	12/16/2010 07:03	15dec101459-r241.d	3.19	13.69	
200-2079-15 RE	EQBLKFT RE	12/16/2010 07:28	15dec101459-r251.d	3.19	13.70	
200-2081-2 RE	VG10-07 RE	12/16/2010 07:53	15dec101459-r261.d	3.18	13.69	
200-2081-3 RE	VG10-15 RE	12/16/2010 08:19	15dec101459-r271.d	3.20	13.70	
200-2081-5 RE	VG10-14 RE	12/16/2010 09:08	15dec101459-r291.d	3.19	13.70	
CCV 200-11224/30		12/16/2010 09:34	15dec101459-r301.d	3.19	13.69	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Sample No.: CCVRT 200-9347/2 Date Analyzed: 11/05/2010 16:15

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): 05nov101546-r021.d Heated Purge: (Y/N) N

Calibration ID: 2841

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.09	13.09	
UPPER LIMIT				3.14	13.14	
LOWER LIMIT				3.04	13.04	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 200-9347/2		11/05/2010 16:15	05nov101546-r021.d	3.09	13.09	
MB 200-8617/1-B		11/05/2010 16:39	05nov101546-r031.d	3.09	13.09	
LCS 200-8617/2-B		11/05/2010 17:03	05nov101546-r041.d	3.09	13.09	
200-2079-1	RFF10-02	11/05/2010 17:27	05nov101546-r051.d	3.09	13.09	
200-2079-2	RBC10-05	11/05/2010 17:52	05nov101546-r061.d	3.09	13.09	
200-2079-5	RVG10-03	11/05/2010 20:17	05nov101546-r121.d	3.10	13.10	
CCV 200-9347/13		11/05/2010 20:42	05nov101546-r131.d	3.10	13.10	
200-2079-6	RFF10-05	11/05/2010 21:06	05nov101546-r141.d	3.10	13.10	
200-2079-7	RBC10-02	11/05/2010 21:30	05nov101546-r151.d	3.10	13.10	
200-2079-8	RBC10-01	11/05/2010 21:54	05nov101546-r161.d	3.09	13.09	
200-2079-9	RFF10-04	11/05/2010 22:19	05nov101546-r171.d	3.09	13.08	
200-2079-10	RFF10-03	11/05/2010 22:43	05nov101546-r181.d	3.09	13.09	
200-2079-11	RFF10-01	11/05/2010 23:07	05nov101546-r191.d	3.09	13.09	
200-2079-12	RLB10-01	11/05/2010 23:31	05nov101546-r201.d	3.09	13.09	
200-2079-12 DU	RLB10-01 DU	11/05/2010 23:55	05nov101546-r211.d	3.09	13.09	
200-2079-12 MS	RLB10-01 MS	11/06/2010 00:20	05nov101546-r221.d	3.09	13.09	
200-2079-12 MSD	RLB10-01 MSD	11/06/2010 00:44	05nov101546-r231.d	3.10	13.09	
CCV 200-9347/24		11/06/2010 01:08	05nov101546-r241.d	3.10	13.10	
200-2079-13	RLB-10-02	11/06/2010 01:32	05nov101546-r251.d	3.09	13.09	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Sample No.: CCVRT 200-9347/2 Date Analyzed: 11/05/2010 16:15

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): 05nov101546-r021.d Heated Purge: (Y/N) N

Calibration ID: 2841

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.09	13.09	
UPPER LIMIT				3.14	13.14	
LOWER LIMIT				3.04	13.04	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
200-2079-14	EQBLKPT	11/06/2010 01:57	05nov101546-r261.d	3.10	13.09	
200-2079-15	EQBLKFT	11/06/2010 02:21	05nov101546-r271.d	3.10	13.10	
200-2081-2	VG10-07	11/06/2010 03:09	05nov101546-r291.d	3.10	13.10	
200-2081-3	VG10-15	11/06/2010 03:33	05nov101546-r301.d	3.10	13.10	
200-2081-5	VG10-14	11/06/2010 04:22	05nov101546-r321.d	3.10	13.10	
CCV 200-9347/33		11/06/2010 04:46	05nov101546-r331.d	3.10	13.10	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Sample No.: CCVRT 200-9347/2 Date Analyzed: 11/05/2010 16:15

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm)

Lab File ID (Standard): 05nov101546-r021.d Heated Purge: (Y/N) N

Calibration ID: 2849

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.75	14.43	
UPPER LIMIT				3.80	14.48	
LOWER LIMIT				3.70	14.38	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 200-9347/2		11/05/2010 16:15	05nov101546-r021.d	3.75	14.43	
MB 200-8617/1-B		11/05/2010 16:39	05nov101546-r031.d	3.74	14.42	
LCS 200-8617/2-B		11/05/2010 17:03	05nov101546-r041.d	3.74	14.42	
200-2079-1	RFF10-02	11/05/2010 17:27	05nov101546-r051.d	3.75	14.42	
200-2079-2	RBC10-05	11/05/2010 17:52	05nov101546-r061.d	3.75	14.43	
200-2079-5	RVG10-03	11/05/2010 20:17	05nov101546-r121.d	3.75	14.43	
CCV 200-9347/13		11/05/2010 20:42	05nov101546-r131.d	3.76	14.44	
200-2079-6	RFF10-05	11/05/2010 21:06	05nov101546-r141.d	3.76	14.44	
200-2079-7	RBC10-02	11/05/2010 21:30	05nov101546-r151.d	3.76	14.44	
200-2079-8	RBC10-01	11/05/2010 21:54	05nov101546-r161.d	3.74	14.42	
200-2079-9	RFF10-04	11/05/2010 22:19	05nov101546-r171.d	3.75	14.42	
200-2079-10	RFF10-03	11/05/2010 22:43	05nov101546-r181.d	3.75	14.43	
200-2079-11	RFF10-01	11/05/2010 23:07	05nov101546-r191.d	3.74	14.41	
200-2079-12	RLB10-01	11/05/2010 23:31	05nov101546-r201.d	3.74	14.42	
200-2079-12 DU	RLB10-01 DU	11/05/2010 23:55	05nov101546-r211.d	3.75	14.43	
200-2079-12 MS	RLB10-01 MS	11/06/2010 00:20	05nov101546-r221.d	3.74	14.42	
200-2079-12 MSD	RLB10-01 MSD	11/06/2010 00:44	05nov101546-r231.d	3.75	14.43	
CCV 200-9347/24		11/06/2010 01:08	05nov101546-r241.d	3.75	14.43	
200-2079-13	RLB-10-02	11/06/2010 01:32	05nov101546-r251.d	3.76	14.43	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Sample No.: CCVRT 200-9347/2 Date Analyzed: 11/05/2010 16:15

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm)

Lab File ID (Standard): 05nov101546-r021.d Heated Purge: (Y/N) N

Calibration ID: 2849

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.75	14.43	
UPPER LIMIT				3.80	14.48	
LOWER LIMIT				3.70	14.38	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
200-2079-14	EQBLKPT	11/06/2010 01:57	05nov101546-r261.d	3.75	14.43	
200-2079-15	EQBLKFT	11/06/2010 02:21	05nov101546-r271.d	3.76	14.43	
200-2081-2	VG10-07	11/06/2010 03:09	05nov101546-r291.d	3.76	14.43	
200-2081-3	VG10-15	11/06/2010 03:33	05nov101546-r301.d	3.76	14.43	
200-2081-5	VG10-14	11/06/2010 04:22	05nov101546-r321.d	3.76	14.43	
CCV 200-9347/33		11/06/2010 04:46	05nov101546-r331.d	3.76	14.44	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Sample No.: CCVRT 200-9333/2 Date Analyzed: 11/09/2010 15:36

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm)

Lab File ID (Standard): 09nov101450-r021.d Heated Purge: (Y/N) N

Calibration ID: 2841

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.10	13.10	
UPPER LIMIT				3.15	13.15	
LOWER LIMIT				3.05	13.05	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 200-9333/2		11/09/2010 15:36	09nov101450-r021.d	3.10	13.10	
CCV 200-9333/13		11/09/2010 20:02	09nov101450-r131.d	3.09	13.09	
200-2081-1	FF10-07	11/10/2010 00:05	09nov101450-r231.d	3.08	13.08	
CCV 200-9333/24		11/10/2010 00:29	09nov101450-r241.d	3.09	13.08	
MB 200-8617/1-C		11/10/2010 00:53	09nov101450-r251.d	3.09	13.09	
200-2079-3	RVG10-01	11/10/2010 01:17	09nov101450-r261.d	3.08	13.07	
200-2079-4	RVG10-02	11/10/2010 01:41	09nov101450-r271.d	3.09	13.09	
200-2079-4 DU	RVG10-02 DU	11/10/2010 02:06	09nov101450-r281.d	3.10	13.09	
200-2079-4 MS	RVG10-02 MS	11/10/2010 02:30	09nov101450-r291.d	3.09	13.09	
200-2079-4 MSD	RVG10-02 MSD	11/10/2010 02:54	09nov101450-r301.d	3.09	13.09	
200-2081-4	VG10-01	11/10/2010 03:19	09nov101450-r311.d	3.09	13.08	
CCV 200-9333/32		11/10/2010 03:43	09nov101450-r321.d	3.09	13.09	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Sample No.: CCVRT 200-9333/2 Date Analyzed: 11/09/2010 15:36

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm)

Lab File ID (Standard): 09nov101450-r021.d Heated Purge: (Y/N) N

Calibration ID: 2849

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.75	14.43	
UPPER LIMIT				3.80	14.48	
LOWER LIMIT				3.70	14.38	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 200-9333/2		11/09/2010 15:36	09nov101450-r021.d	3.75	14.43	
CCV 200-9333/13		11/09/2010 20:02	09nov101450-r131.d	3.74	14.42	
200-2081-1	FF10-07	11/10/2010 00:05	09nov101450-r231.d	3.75	14.42	
CCV 200-9333/24		11/10/2010 00:29	09nov101450-r241.d	3.74	14.41	
MB 200-8617/1-C		11/10/2010 00:53	09nov101450-r251.d	3.75	14.42	
200-2079-3	RVG10-01	11/10/2010 01:17	09nov101450-r261.d	3.74	14.41	
200-2079-4	RVG10-02	11/10/2010 01:41	09nov101450-r271.d	3.75	14.42	
200-2079-4 DU	RVG10-02 DU	11/10/2010 02:06	09nov101450-r281.d	3.75	14.43	
200-2079-4 MS	RVG10-02 MS	11/10/2010 02:30	09nov101450-r291.d	3.75	14.42	
200-2079-4 MSD	RVG10-02 MSD	11/10/2010 02:54	09nov101450-r301.d	3.76	14.43	
200-2081-4	VG10-01	11/10/2010 03:19	09nov101450-r311.d	3.76	14.43	
CCV 200-9333/32		11/10/2010 03:43	09nov101450-r321.d	3.76	14.43	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.05 minutes of surrogate RT
DCB RT Limit = ± 0.05 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RVG10-02 MS Lab Sample ID: 200-2079-4 MS

Instrument ID (1): 7227.i Instrument ID (2): 7227.i

Date Analyzed (1): 11/10/2010 02:30 Date Analyzed (2): 11/10/2010 02:30

GC Column (1): RTX-5 ID: 0.25(mm) GC Column (2): RTX-35 ID: 0.25(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.50	3.45	3.55	421	441	9.2
		2	4.11	4.06	4.16	429		
		3	4.40	4.36	4.46	456		
		4	4.51	4.47	4.57	442		
		5	4.60	4.56	4.66	458		
	2	1	4.46	4.41	4.51	396	402	
		2	5.05	5.00	5.10	394		
		3	5.69	5.65	5.75	405		
		4	5.93	5.89	5.99	412		
		5	6.14	6.10	6.20	404		
PCB-1260	1	1	8.71	8.67	8.77	433	436	11.4
		2	9.25	9.21	9.31	430		
		3	9.95	9.92	10.02	464		
		4	10.68	10.65	10.75	441		
		5	11.08	11.04	11.14	411		
	2	1	11.33	11.29	11.39	399	389	
		2	12.36	12.32	12.42	421		
		3	12.94	12.90	13.00	360		
		4	13.57	13.52	13.62	385		
		5	13.69	13.65	13.75	379		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RVG10-02 MSD Lab Sample ID: 200-2079-4 MSD

Instrument ID (1): 7227.i Instrument ID (2): 7227.i

Date Analyzed (1): 11/10/2010 02:54 Date Analyzed (2): 11/10/2010 02:54

GC Column (1): RTX-5 ID: 0.25(mm) GC Column (2): RTX-35 ID: 0.25(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.49	3.45	3.55	430	440	7.5
		2	4.11	4.06	4.16	424		
		3	4.40	4.36	4.46	444		
		4	4.51	4.47	4.57	440		
		5	4.60	4.56	4.66	464		
	2	1	4.46	4.41	4.51	400	408	
		2	5.05	5.00	5.10	398		
		3	5.70	5.65	5.75	412		
		4	5.94	5.89	5.99	417		
		5	6.15	6.10	6.20	415		
PCB-1260	1	1	8.71	8.67	8.77	421	436	11.7
		2	9.25	9.21	9.31	427		
		3	9.95	9.92	10.02	463		
		4	10.68	10.65	10.75	452		
		5	11.08	11.04	11.14	416		
	2	1	11.34	11.29	11.39	415	388	
		2	12.37	12.32	12.42	406		
		3	12.94	12.90	13.00	357		
		4	13.57	13.52	13.62	387		
		5	13.70	13.65	13.75	373		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB10-01 MS Lab Sample ID: 200-2079-12 MS

Instrument ID (1): 7227.i Instrument ID (2): 7227.i

Date Analyzed (1): 11/06/2010 00:20 Date Analyzed (2): 11/06/2010 00:20

GC Column (1): RTX-5 ID: 0.25(mm) GC Column (2): RTX-35 ID: 0.25(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.50	3.44	3.54	452	475	3.5
		2	4.11	4.06	4.16	463		
		3	4.40	4.35	4.45	485		
		4	4.51	4.46	4.56	472		
		5	4.60	4.55	4.65	504		
	2	1	4.46	4.41	4.51	429	459	
		2	5.05	5.00	5.10	453		
		3	5.69	5.65	5.75	423		
		4	5.93	5.89	5.99	546		
		5	6.14	6.10	6.20	445		
PCB-1260	1	1	8.71	8.67	8.77	465	436	13.5
		2	9.25	9.21	9.31	453		
		3	9.96	9.91	10.01	463		
		4	10.69	10.65	10.75	428		
		5	11.08	11.04	11.14	369		
	2	1	11.33	11.29	11.39	388	381	
		2	12.36	12.32	12.42	379		
		3	12.93	12.90	13.00	359		
		4	13.56	13.52	13.62	389		
		5	13.69	13.65	13.75	388		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB10-01 MS RE Lab Sample ID: 200-2079-12 MS RE

Instrument ID (1): 3283.i Instrument ID (2): 3283.i

Date Analyzed (1): 12/16/2010 05:23 Date Analyzed (2): 12/16/2010 05:23

GC Column (1): RTX-5 ID: 0.25(mm) GC Column (2): RTX-35 ID: 0.25(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	4.11	4.06	4.16	366	360	4.1
		2	4.31	4.26	4.36	379		
		3	4.75	4.70	4.80	365		
		4	5.37	5.33	5.43	351		
		5	5.56	5.51	5.61	339		
	2	1	3.86	3.81	3.91	357	346	
		2	4.33	4.29	4.39	350		
		3	4.85	4.80	4.90	361		
		4	5.05	5.00	5.10	323		
		5	5.22	5.17	5.27	337		
PCB-1260	1	1	9.25	9.21	9.31	396	378	15.3
		2	9.83	9.78	9.88	400		
		3	10.55	10.51	10.61	406		
		4	11.30	11.26	11.36	358		
		5	11.61	11.57	11.67	327		
	2	1	9.81	9.77	9.87	323	324	
		2	11.22	11.18	11.28	327		
		3	11.99	11.95	12.05	291		
		4	12.74	12.70	12.80	314		
		5	12.90	12.86	12.96	364		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB10-01 MSD Lab Sample ID: 200-2079-12 MSD

Instrument ID (1): 7227.i Instrument ID (2): 7227.i

Date Analyzed (1): 11/06/2010 00:44 Date Analyzed (2): 11/06/2010 00:44

GC Column (1): RTX-5 ID: 0.25(mm) GC Column (2): RTX-35 ID: 0.25(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.50	3.44	3.54	436	454	5.0
		2	4.11	4.06	4.16	439		
		3	4.40	4.35	4.45	463		
		4	4.52	4.46	4.56	449		
		5	4.60	4.55	4.65	482		
	2	1	4.46	4.41	4.51	422	432	
		2	5.05	5.00	5.10	437		
		3	5.69	5.65	5.75	406		
		4	5.94	5.89	5.99	474		
		5	6.15	6.10	6.20	419		
PCB-1260	1	1	8.72	8.67	8.77	442	413	12.3
		2	9.26	9.21	9.31	432		
		3	9.96	9.91	10.01	440		
		4	10.69	10.65	10.75	412		
		5	11.09	11.04	11.14	340		
	2	1	11.34	11.29	11.39	378	365	
		2	12.37	12.32	12.42	360		
		3	12.94	12.90	13.00	334		
		4	13.57	13.52	13.62	361		
		5	13.70	13.65	13.75	392		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB10-01 MSD RE Lab Sample ID: 200-2079-12 MSD RE

Instrument ID (1): 3283.i Instrument ID (2): 3283.i

Date Analyzed (1): 12/16/2010 05:47 Date Analyzed (2): 12/16/2010 05:47

GC Column (1): RTX-5 ID: 0.25(mm) GC Column (2): RTX-35 ID: 0.25(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	4.11	4.06	4.16	375	367	4.1
		2	4.31	4.26	4.36	383		
		3	4.75	4.70	4.80	371		
		4	5.37	5.33	5.43	361		
		5	5.55	5.51	5.61	344		
	2	1	3.86	3.81	3.91	366	352	
		2	4.33	4.29	4.39	353		
		3	4.85	4.80	4.90	361		
		4	5.05	5.00	5.10	333		
		5	5.22	5.17	5.27	346		
PCB-1260	1	1	9.25	9.21	9.31	402	385	16.6
		2	9.82	9.78	9.88	411		
		3	10.55	10.51	10.61	421		
		4	11.30	11.26	11.36	361		
		5	11.61	11.57	11.67	331		
	2	1	9.81	9.77	9.87	321	326	
		2	11.22	11.18	11.28	331		
		3	11.99	11.95	12.05	297		
		4	12.74	12.70	12.80	314		
		5	12.90	12.86	12.96	367		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: FF10-07 Lab Sample ID: 200-2081-1

Instrument ID (1): 7227.i Instrument ID (2): 7227.i

Date Analyzed (1): 11/10/2010 00:05 Date Analyzed (2): 11/10/2010 00:05

GC Column (1): RTX-5 ID: 0.25(mm) GC Column (2): RTX-35 ID: 0.25(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	6.17	6.16	6.26	687	460	34.0
		2	6.44	6.44	6.54	267		
		3	6.53	6.53	6.63	156		
		4	6.60	6.60	6.70	776		
		5	7.22	7.22	7.32	401		
	2	1	8.17	8.14	8.24	550	320	
		2	8.41	8.38	8.48	181		
		3	8.91	8.89	8.99	174		
		4	9.05	9.02	9.12	346		
		5	9.68	9.65	9.75	370		
PCB-1260	1	1	8.70	8.67	8.77	118	99	41.2
		2	9.24	9.21	9.31	52.2		
		3	9.94	9.92	10.02	173		
		4	10.67	10.65	10.75	92.5		
		5	11.07	11.04	11.14	60.9		
	2	1	11.33	11.29	11.39	107	65	
		2	12.36	12.32	12.42	66.3		
		3	12.93	12.90	13.00	52.5		
		4	13.56	13.52	13.62	48.2		
		5	13.69	13.65	13.75	52.8		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: VG10-01 Lab Sample ID: 200-2081-4

Instrument ID (1): 7227.i Instrument ID (2): 7227.i

Date Analyzed (1): 11/10/2010 03:19 Date Analyzed (2): 11/10/2010 03:19

GC Column (1): RTX-5 ID: 0.25(mm) GC Column (2): RTX-35 ID: 0.25(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	6.17	6.16	6.26	88.6	62	0.3
		2	6.45	6.44	6.54	56.6		
		4	6.61	6.60	6.70	64.5		
		5	7.23	7.22	7.32	62.6		
	2	3	8.93	8.89	8.99	53.9	62	
		4	9.06	9.02	9.12	67.8		
		5	9.70	9.65	9.75	64.1		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: VG10-01 RE Lab Sample ID: 200-2081-4 RE

Instrument ID (1): 3283.i Instrument ID (2): 3283.i

Date Analyzed (1): 12/16/2010 08:44 Date Analyzed (2): 12/16/2010 08:44

GC Column (1): RTX-5 ID: 0.25(mm) GC Column (2): RTX-35 ID: 0.25(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1254	1	1	6.57	6.51	6.61	66.6	54	21.5
		2	6.87	6.82	6.92	53.8		
		3	6.97	6.92	7.02	35.3		
		4	7.05	7.00	7.10	61.3		
		5	7.70	7.65	7.75	53.4		
	2	1	7.14	7.10	7.20	45.0	44	
		2	7.44	7.40	7.50	47.6		
		3	7.59	7.54	7.64	32.1		
		4	7.70	7.66	7.76	47.0		
		5	8.23	8.19	8.29	46.1		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-8617/2-B

Instrument ID (1): 7227.i Instrument ID (2): 7227.i

Date Analyzed (1): 11/05/2010 17:03 Date Analyzed (2): 11/05/2010 17:03

GC Column (1): RTX-5 ID: 0.25(mm) GC Column (2): RTX-35 ID: 0.25(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	3.49	3.44	3.54	433	454	2.2
		2	4.11	4.06	4.16	442		
		3	4.40	4.35	4.45	480		
		4	4.51	4.46	4.56	448		
		5	4.60	4.55	4.65	467		
	2	1	4.45	4.41	4.51	434	444	
		2	5.04	5.00	5.10	438		
		3	5.68	5.65	5.75	453		
		4	5.93	5.89	5.99	446		
		5	6.14	6.10	6.20	449		
PCB-1260	1	1	8.72	8.67	8.77	444	445	3.3
		2	9.26	9.21	9.31	443		
		3	9.96	9.91	10.01	461		
		4	10.70	10.65	10.75	453		
		5	11.09	11.04	11.14	423		
	2	1	11.33	11.29	11.39	435	430	
		2	12.36	12.32	12.42	449		
		3	12.93	12.90	13.00	429		
		4	13.56	13.52	13.62	422		
		5	13.69	13.65	13.75	417		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-10336/2-C

Instrument ID (1): 3283.i Instrument ID (2): 3283.i

Date Analyzed (1): 12/15/2010 21:56 Date Analyzed (2): 12/15/2010 21:56

GC Column (1): RTX-5 ID: 0.25(mm) GC Column (2): RTX-35 ID: 0.25(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	4.11	4.06	4.16	406	415	0.8
		2	4.31	4.26	4.36	414		
		3	4.75	4.70	4.80	425		
		4	5.38	5.33	5.43	410		
		5	5.56	5.51	5.61	419		
	2	1	3.87	3.81	3.91	389	412	
		2	4.34	4.29	4.39	403		
		3	4.85	4.80	4.90	440		
		4	5.06	5.00	5.10	408		
		5	5.23	5.17	5.27	419		
PCB-1260	1	1	9.25	9.21	9.31	416	439	5.6
		2	9.83	9.78	9.88	433		
		3	10.56	10.51	10.61	471		
		4	11.30	11.26	11.36	449		
		5	11.62	11.57	11.67	426		
	2	1	9.82	9.77	9.87	402	415	
		2	11.23	11.18	11.28	452		
		3	12.01	11.95	12.05	403		
		4	12.75	12.70	12.80	392		
		5	12.91	12.86	12.96	427		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RFF10-02 | Lab Sample ID: 200-2079-1

Matrix: Tissue | Lab File ID: 05nov101546-r051.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.19(g) | Date Analyzed: 11/05/2010 17:27

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	50	U	50	25
11104-28-2	PCB-1221	50	U	50	25
11141-16-5	PCB-1232	50	U	50	25
53469-21-9	PCB-1242	50	U	50	25
12672-29-6	PCB-1248	50	U	50	25
11097-69-1	PCB-1254	50	U	50	25
11096-82-5	PCB-1260	50	U	50	25
37324-23-5	PCB-1262	50	U	50	25
11100-14-4	PCB-1268	50	U	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	100		30-130
2051-24-3	DCB Decachlorobiphenyl	79		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-1
Client Smp ID: RFF10-02
Inj Date : 05-NOV-2010 17:27
Operator : DPD Inst ID: 7227_1.i
Smp Info : 200-2079-A-1-F
Misc Info : 200-2079-A-1-F
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 11:05 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

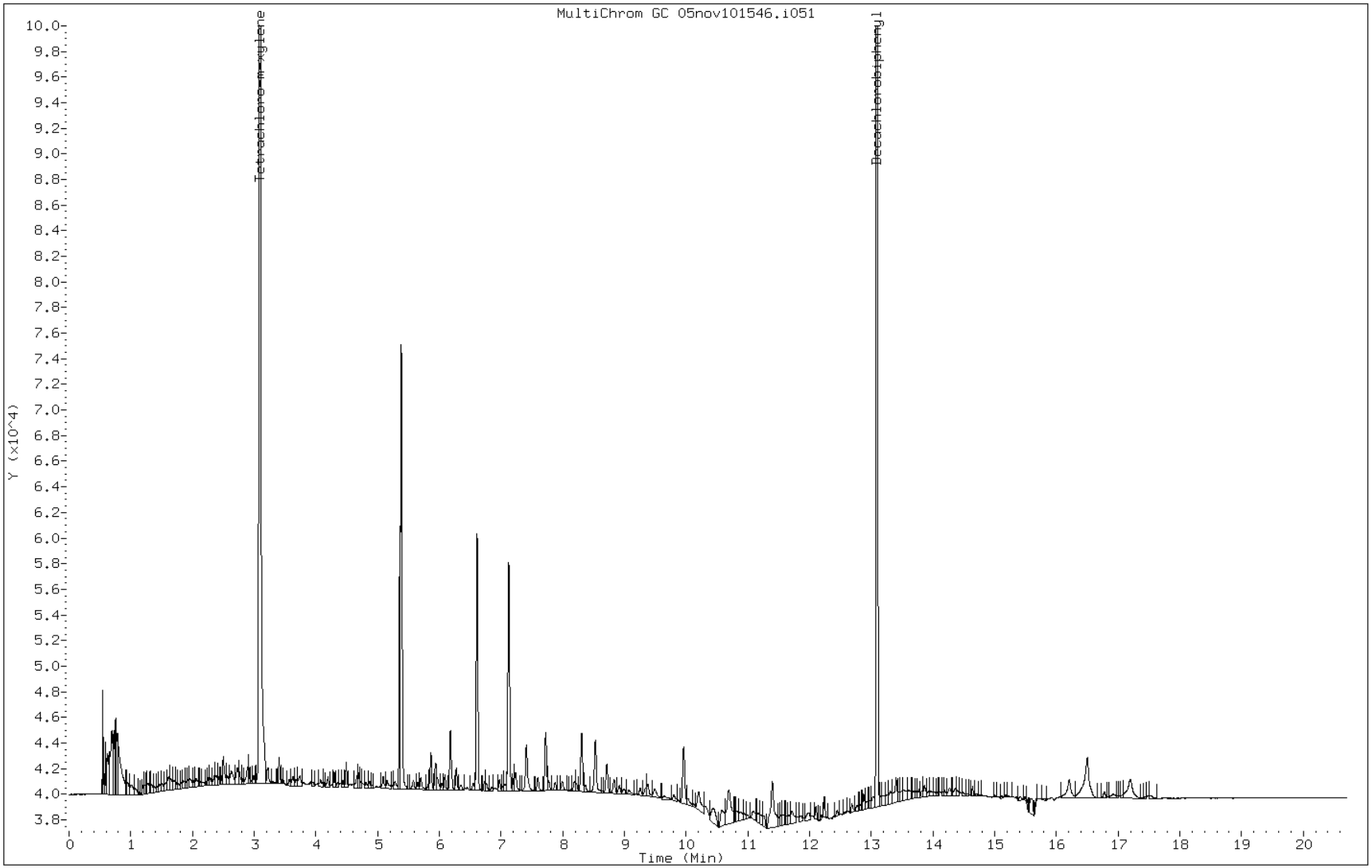
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.092	3.090	0.002	144796	39.8040	39.80	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.089	13.092	-0.003	168113	31.7889	31.79	80.00- 120.00	100.00

Data File:	05nov101546-r051.d	Date:	05-NOV-2010 17:27
Client ID:	RFF10-02	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-1-F		
Lab Sample ID:	200-2079-1		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RFF10-02 Lab Sample ID: 200-2079-1

Matrix: Tissue Lab File ID: 05nov101546-r051.d

Analysis Method: 8082 Date Collected: 10/19/2010 17:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.19(g) Date Analyzed: 11/05/2010 17:27

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	98		30-130
2051-24-3	DCB Decachlorobiphenyl	89		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-1
Client Smp ID: RFF10-02
Inj Date : 05-NOV-2010 17:27
Operator : DPD Inst ID: 7227_2.i
Smp Info : 200-2079-A-1-F
Misc Info : 200-2079-A-1-F
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:52 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

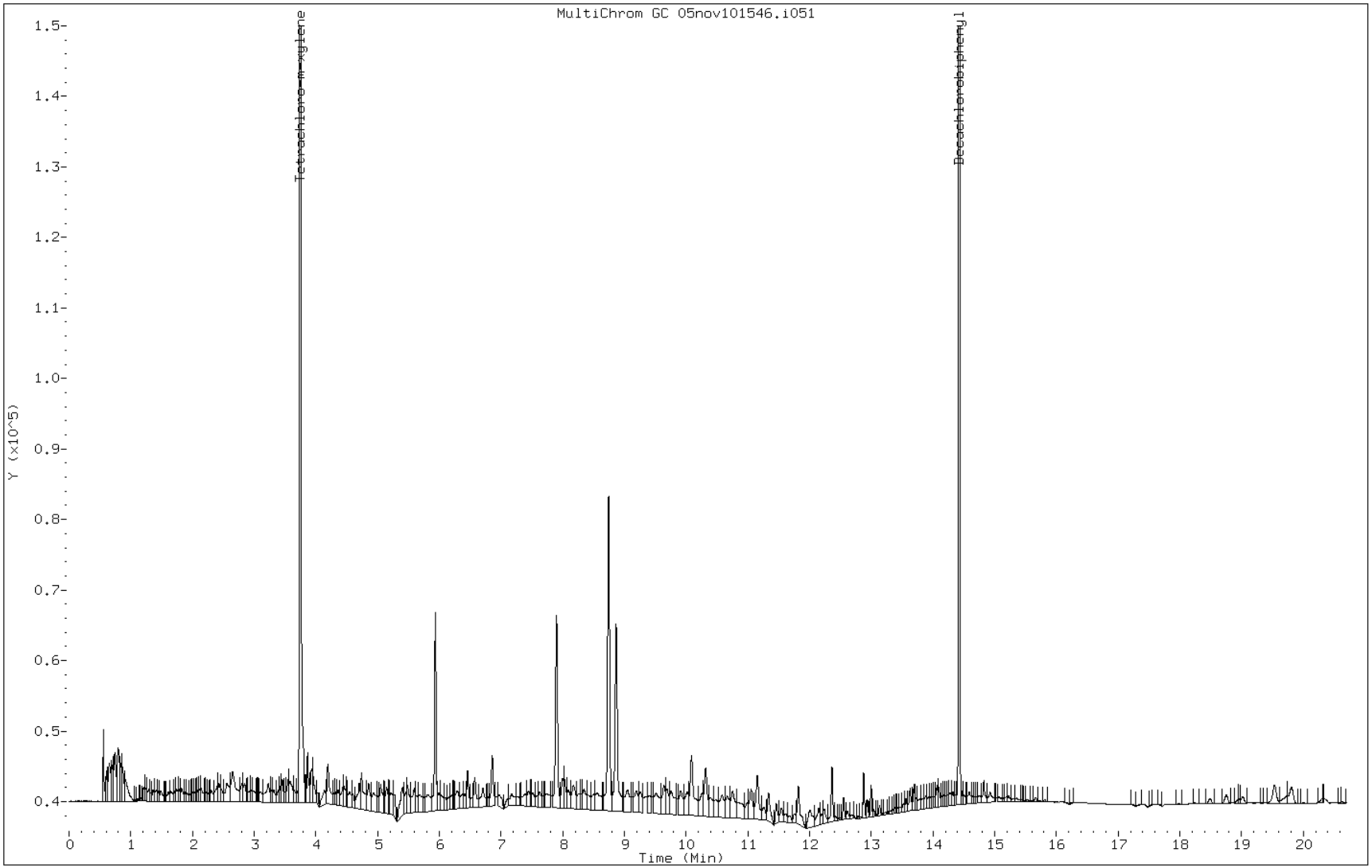
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.746	3.753	-0.007	227399	39.1974	39.20	80.00- 120.00	100.00(M)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.424	14.431	-0.007	240107	35.6492	35.65	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File:	05nov101546-r051.d	Date:	05-NOV-2010 17:27
Client ID:	RFF10-02	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-1-F		
Lab Sample ID:	200-2079-1		



Manual Integration Report

Data File: 05nov101546-r051.d
Lab Sample ID: 200-2079-1
Inj. Date and Time: 05-NOV-2010 17:27
Instrument ID: 7227_2.i
Client ID: RFF10-02
Compound: 10 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 11/10/2010

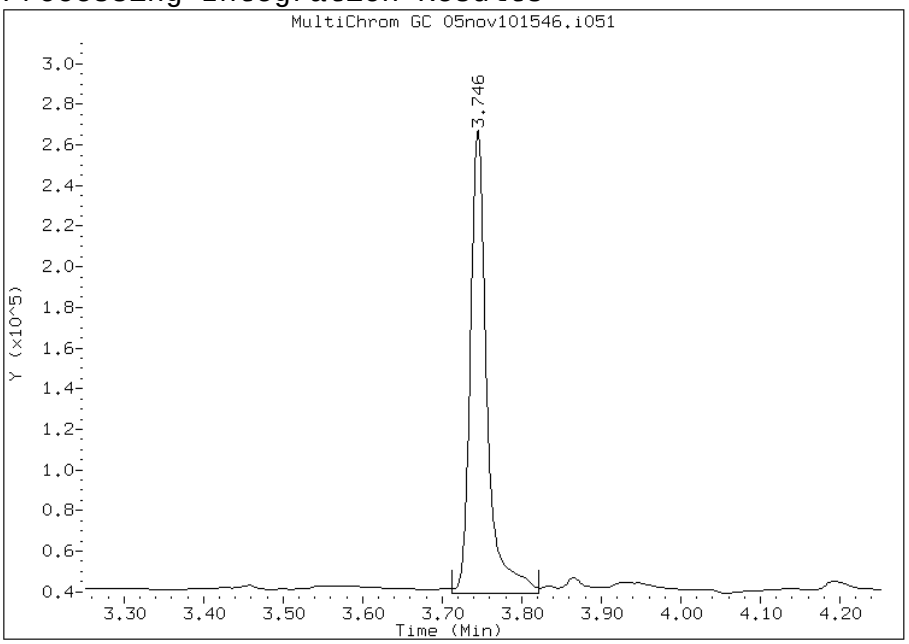
Processing Integration Results

RT: 3.75

Response: 227961

Amount: 39.29

Conc: 39.29



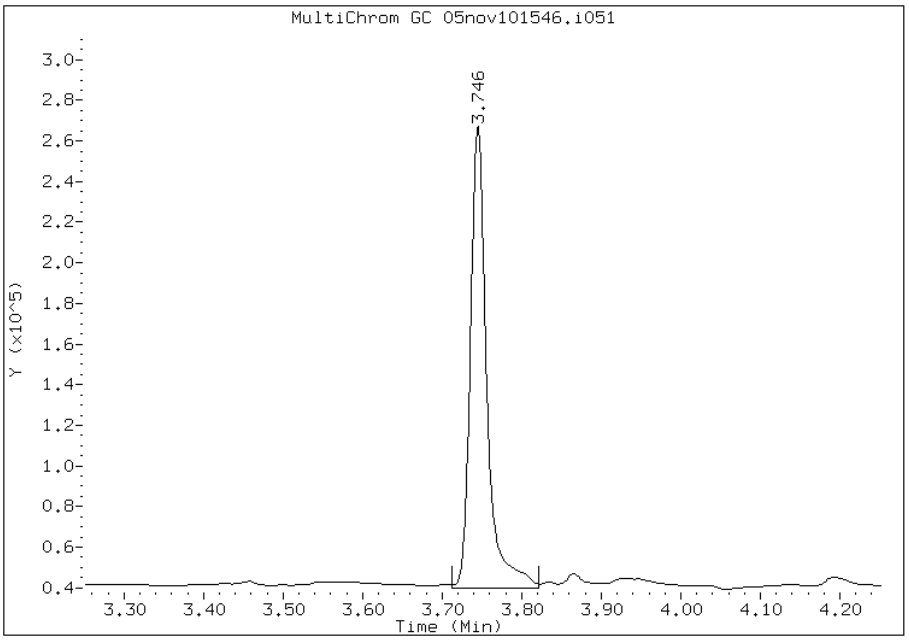
Manual Integration Results

RT: 3.75

Response: 227399

Amount: 39.20

Conc: 39.20



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RFF10-02 RE | Lab Sample ID: 200-2079-1 RE

Matrix: Tissue | Lab File ID: 15dec101459-r031.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.19(g) | Date Analyzed: 12/15/2010 22:21

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	20	U	20	10
11104-28-2	PCB-1221	20	U	20	10
11141-16-5	PCB-1232	20	U	20	10
53469-21-9	PCB-1242	20	U	20	10
12672-29-6	PCB-1248	20	U	20	10
11097-69-1	PCB-1254	20	U	20	10
11096-82-5	PCB-1260	20	U	20	10
37324-23-5	PCB-1262	20	U	20	10
11100-14-4	PCB-1268	20	U	20	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	91	E	30-130
2051-24-3	DCB Decachlorobiphenyl	82	*E*	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-1
Client Smp ID: RFF10-02
Inj Date : 15-DEC-2010 22:21
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2079-A-1-I
Misc Info : 200-2079-A-1-I
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 08:03 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

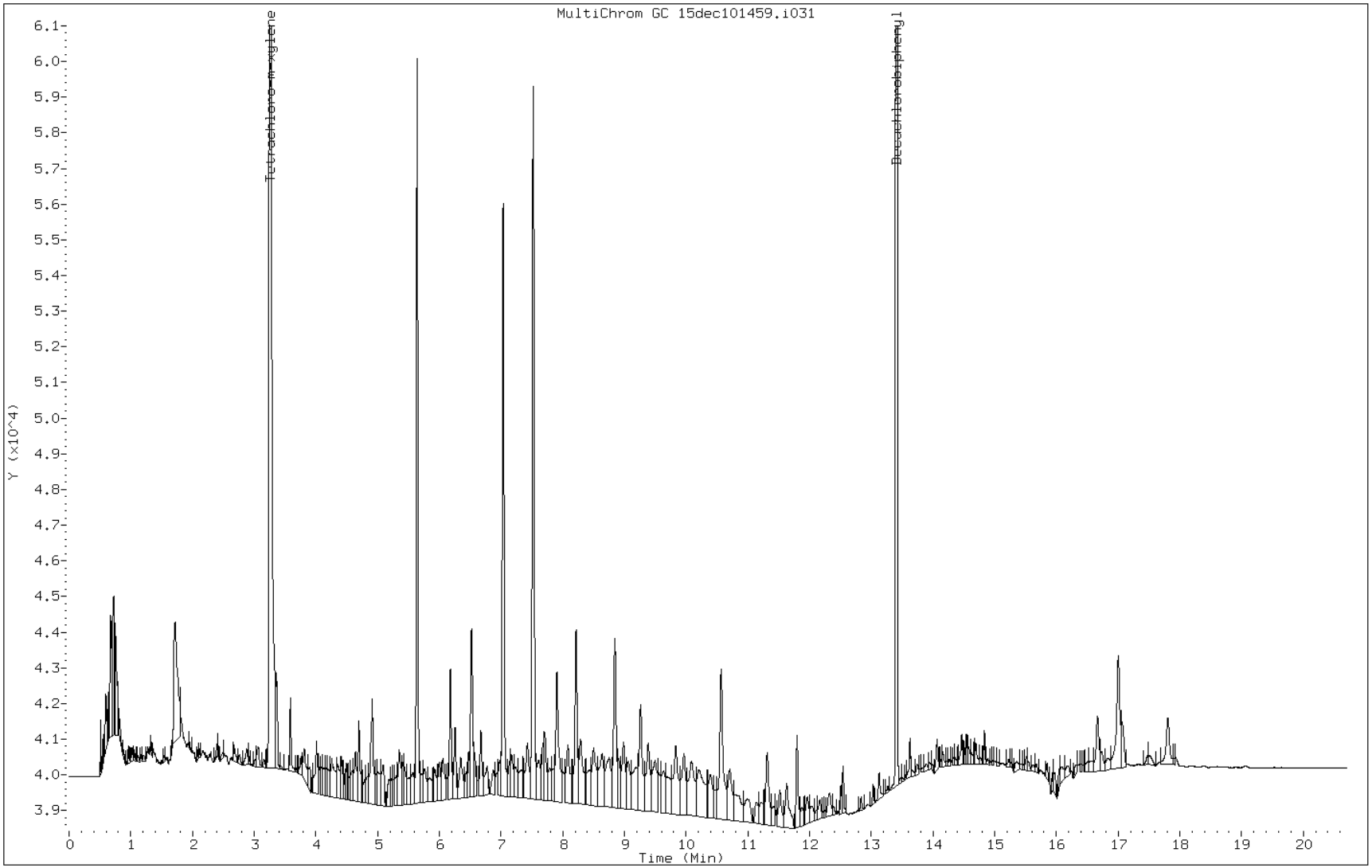
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.261	3.254	0.007	153552	90.5256	90.53	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.409	13.402	0.007	172174	82.3009	82.30	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r031.d	Date:	15-DEC-2010 22:21
Client ID:	RFF10-02	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-1-I		
Lab Sample ID:	200-2079-1		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RFF10-02 RE | Lab Sample ID: 200-2079-1 RE

Matrix: Tissue | Lab File ID: 15dec101459-r031.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.19(g) | Date Analyzed: 12/15/2010 22:21

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-35 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	89	*E*	30-130
2051-24-3	DCB Decachlorobiphenyl	84	E	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-1
Client Smp ID: RFF10-02
Inj Date : 15-DEC-2010 22:21
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2079-A-1-I
Misc Info : 200-2079-A-1-I
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 09:00 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

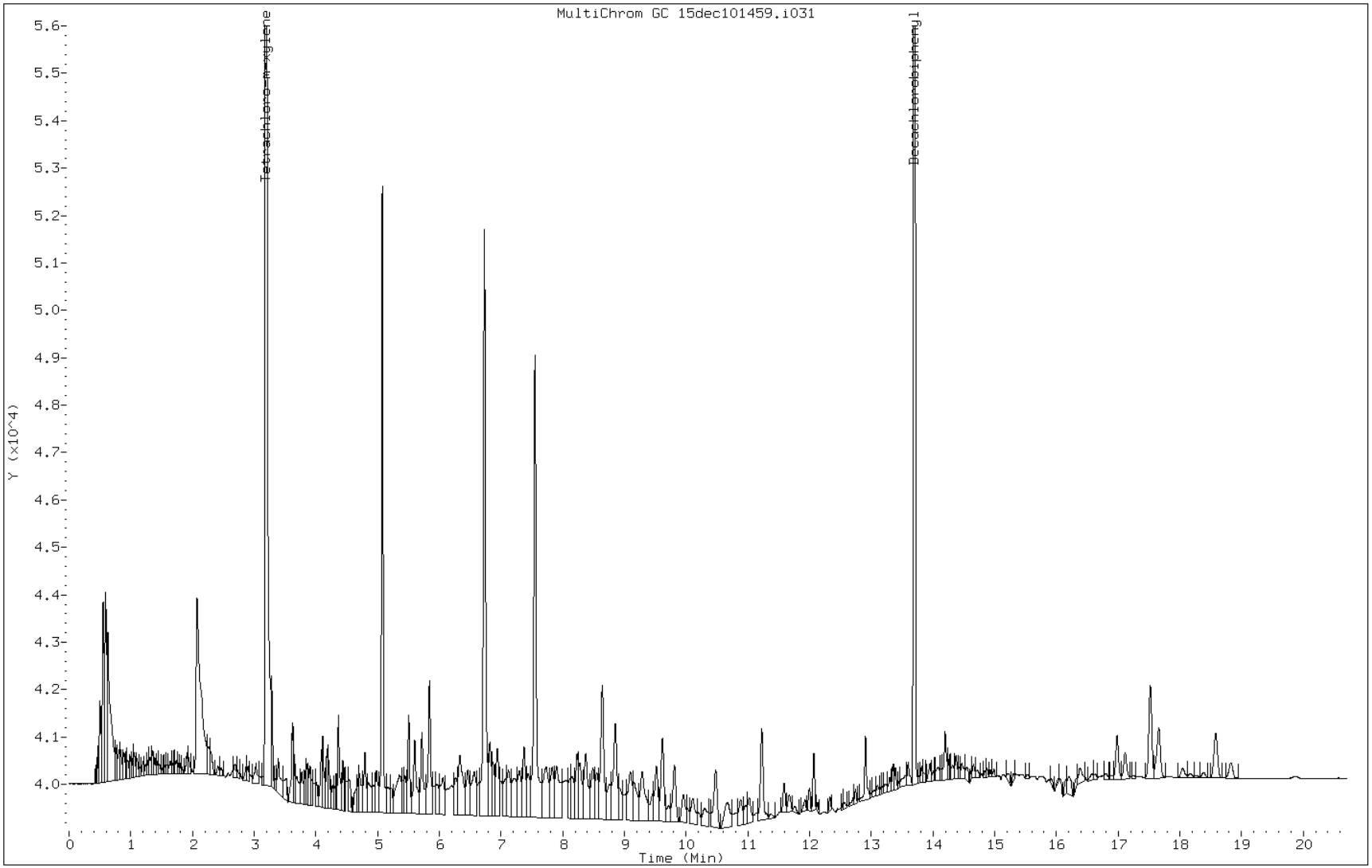
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.190	3.190	0.000	102107	89.2628	89.26	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.697	13.699	-0.002	113399	84.2755	84.28	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r031.d	Date:	15-DEC-2010 22:21
Client ID:	RFF10-02	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-1-I		
Lab Sample ID:	200-2079-1		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RBC10-05 | Lab Sample ID: 200-2079-2

Matrix: Tissue | Lab File ID: 05nov101546-r061.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.18(g) | Date Analyzed: 11/05/2010 17:52

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	50	U	50	25
11104-28-2	PCB-1221	50	U	50	25
11141-16-5	PCB-1232	50	U	50	25
53469-21-9	PCB-1242	50	U	50	25
12672-29-6	PCB-1248	50	U	50	25
11097-69-1	PCB-1254	50	U	50	25
11096-82-5	PCB-1260	50	U	50	25
37324-23-5	PCB-1262	50	U	50	25
11100-14-4	PCB-1268	50	U	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	99		30-130
2051-24-3	DCB Decachlorobiphenyl	83		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-2
Client Smp ID: RBC10-05
Inj Date : 05-NOV-2010 17:52
Operator : DPD Inst ID: 7227_1.i
Smp Info : 200-2079-A-2-F
Misc Info : 200-2079-A-2-F
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 11:05 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

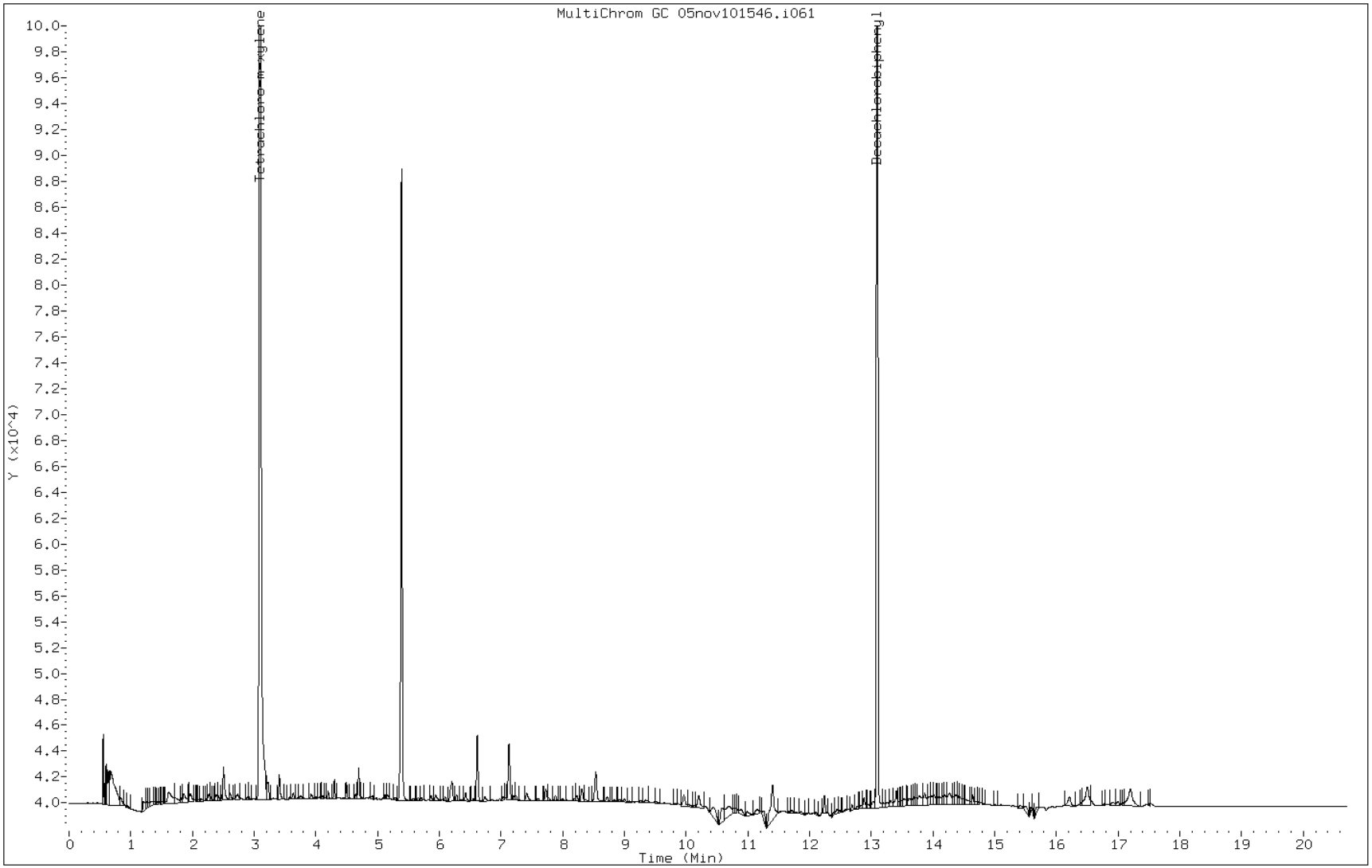
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.094	3.090	0.004	144247	39.6531	39.65	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.094	13.092	0.002	175509	33.1874	33.19	80.00- 120.00	100.00

Data File:	05nov101546-r061.d	Date:	05-NOV-2010 17:52
Client ID:	RBC10-05	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-2-F		
Lab Sample ID:	200-2079-2		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RBC10-05 Lab Sample ID: 200-2079-2

Matrix: Tissue Lab File ID: 05nov101546-r061.d

Analysis Method: 8082 Date Collected: 10/19/2010 17:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.18(g) Date Analyzed: 11/05/2010 17:52

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	96		30-130
2051-24-3	DCB Decachlorobiphenyl	85		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-2
Client Smp ID: RBC10-05
Inj Date : 05-NOV-2010 17:52
Operator : DPD Inst ID: 7227_2.i
Smp Info : 200-2079-A-2-F
Misc Info : 200-2079-A-2-F
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:52 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

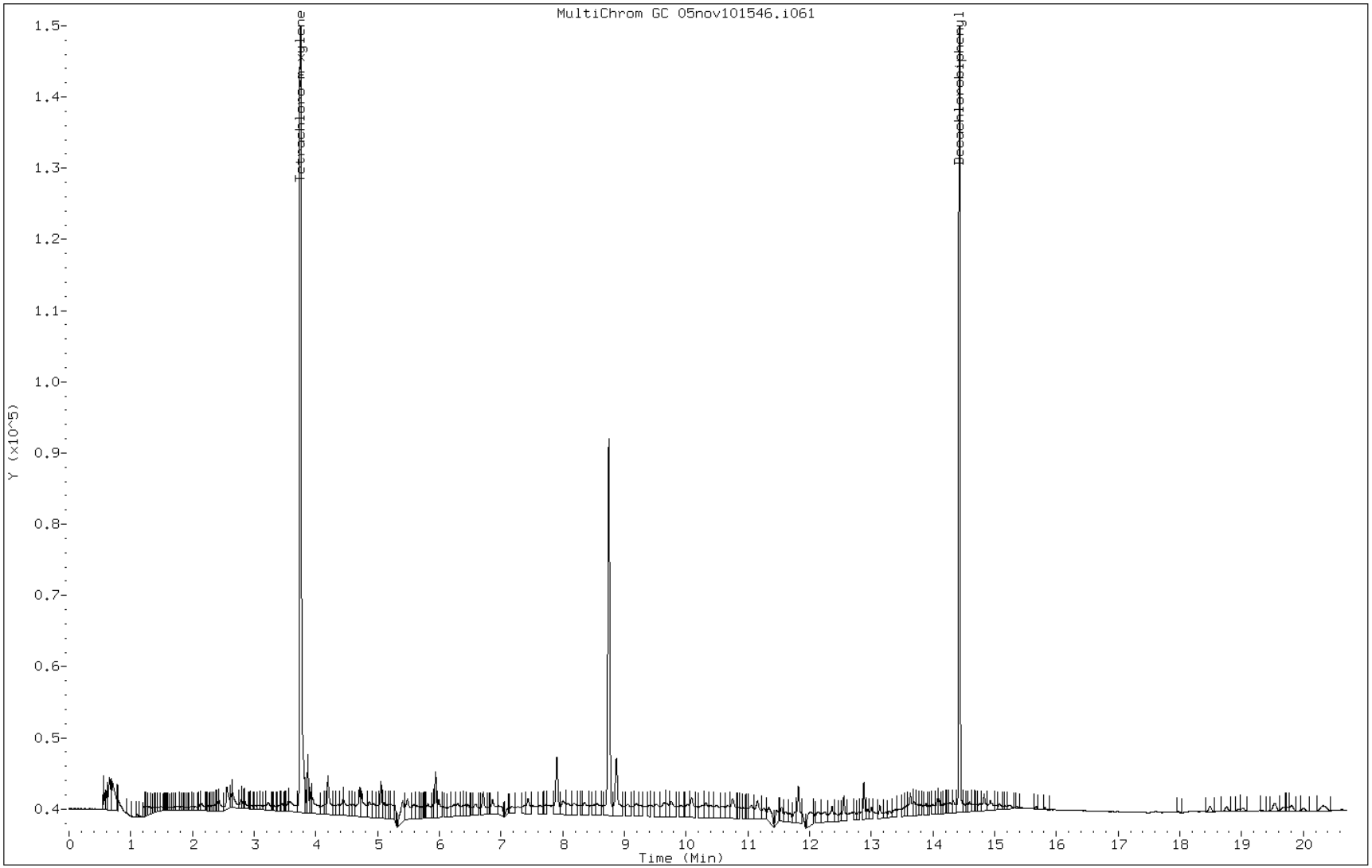
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.748	3.753	-0.005	222752	38.3964	38.40	80.00- 120.00	100.00(M)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.428	14.431	-0.003	228911	33.9869	33.99	80.00- 120.00	100.00(M)

QC Flag Legend

M - Compound response manually integrated.

Data File:	05nov101546-r061.d	Date:	05-NOV-2010 17:52
Client ID:	RBC10-05	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-2-F		
Lab Sample ID:	200-2079-2		



Manual Integration Report

Data File: 05nov101546-r061.d
Lab Sample ID: 200-2079-2
Inj. Date and Time: 05-NOV-2010 17:52
Instrument ID: 7227_2.i
Client ID: RBC10-05
Compound: 10 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 11/10/2010

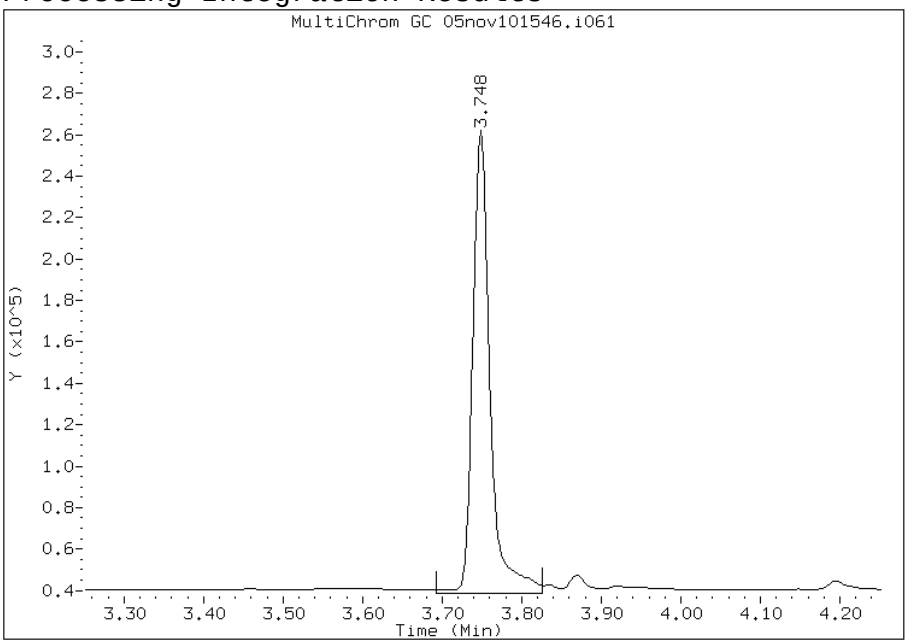
Processing Integration Results

RT: 3.75

Response: 223593

Amount: 38.54

Conc: 38.54



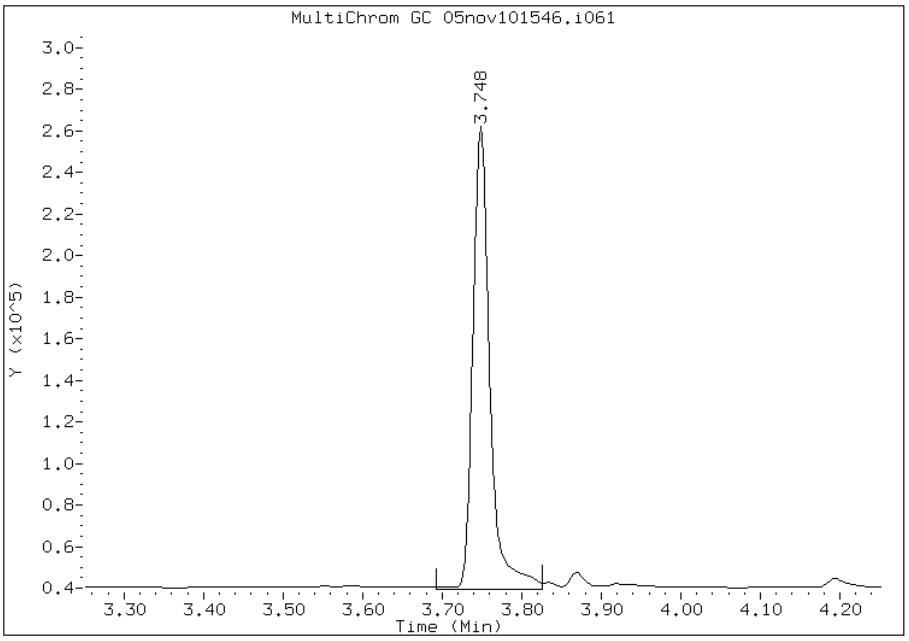
Manual Integration Results

RT: 3.75

Response: 222752

Amount: 38.40

Conc: 38.40



File Uploaded By: sld
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 05nov101546-r061.d
Lab Sample ID: 200-2079-2
Inj. Date and Time: 05-NOV-2010 17:52
Instrument ID: 7227_2.i
Client ID: RBC10-05
Compound: 11 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 11/10/2010

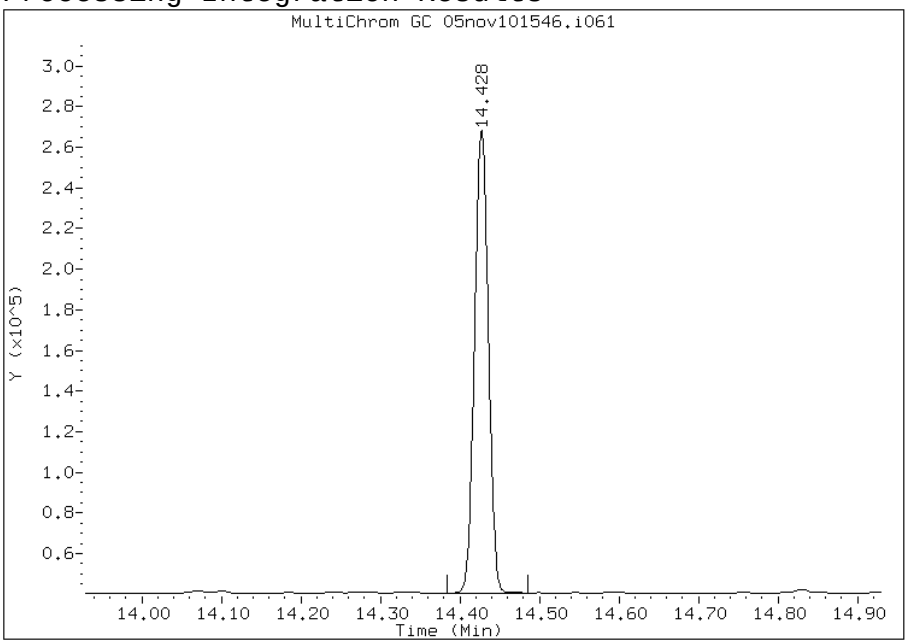
Processing Integration Results

RT: 14.43

Response: 228005

Amount: 33.85

Conc: 33.85



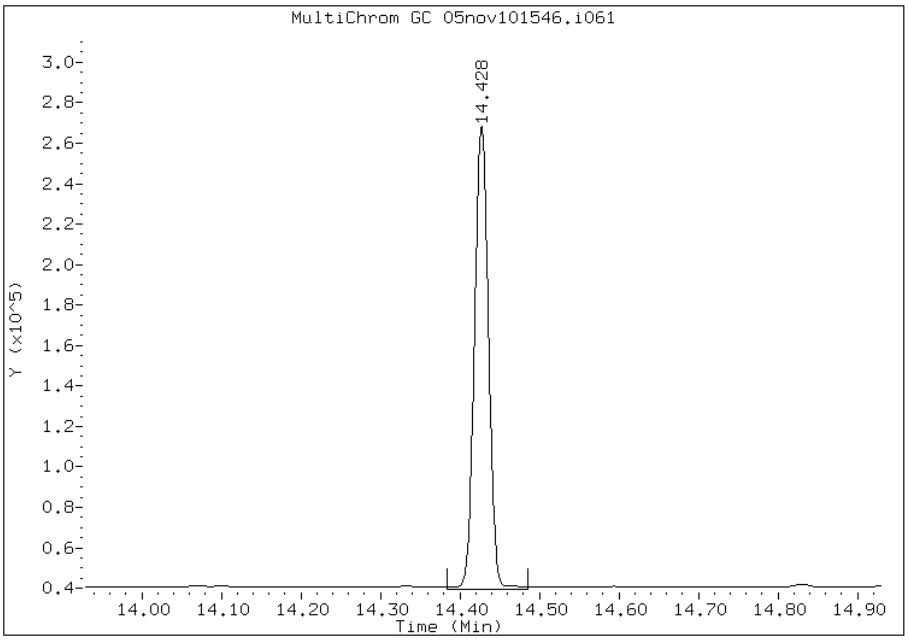
Manual Integration Results

RT: 14.43

Response: 228911

Amount: 33.99

Conc: 33.99



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RBC10-05 RE | Lab Sample ID: 200-2079-2 RE

Matrix: Tissue | Lab File ID: 15dec101459-r041.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.18(g) | Date Analyzed: 12/15/2010 22:45

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	20	U	20	10
11104-28-2	PCB-1221	20	U	20	10
11141-16-5	PCB-1232	20	U	20	10
53469-21-9	PCB-1242	20	U	20	10
12672-29-6	PCB-1248	20	U	20	10
11097-69-1	PCB-1254	20	U	20	10
11096-82-5	PCB-1260	20	U	20	10
37324-23-5	PCB-1262	20	U	20	10
11100-14-4	PCB-1268	20	U	20	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	104	E	30-130
2051-24-3	DCB Decachlorobiphenyl	92	*E*	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-2
Client Smp ID: RBC10-05
Inj Date : 15-DEC-2010 22:45
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2079-A-2-I
Misc Info : 200-2079-A-2-I
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 08:03 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

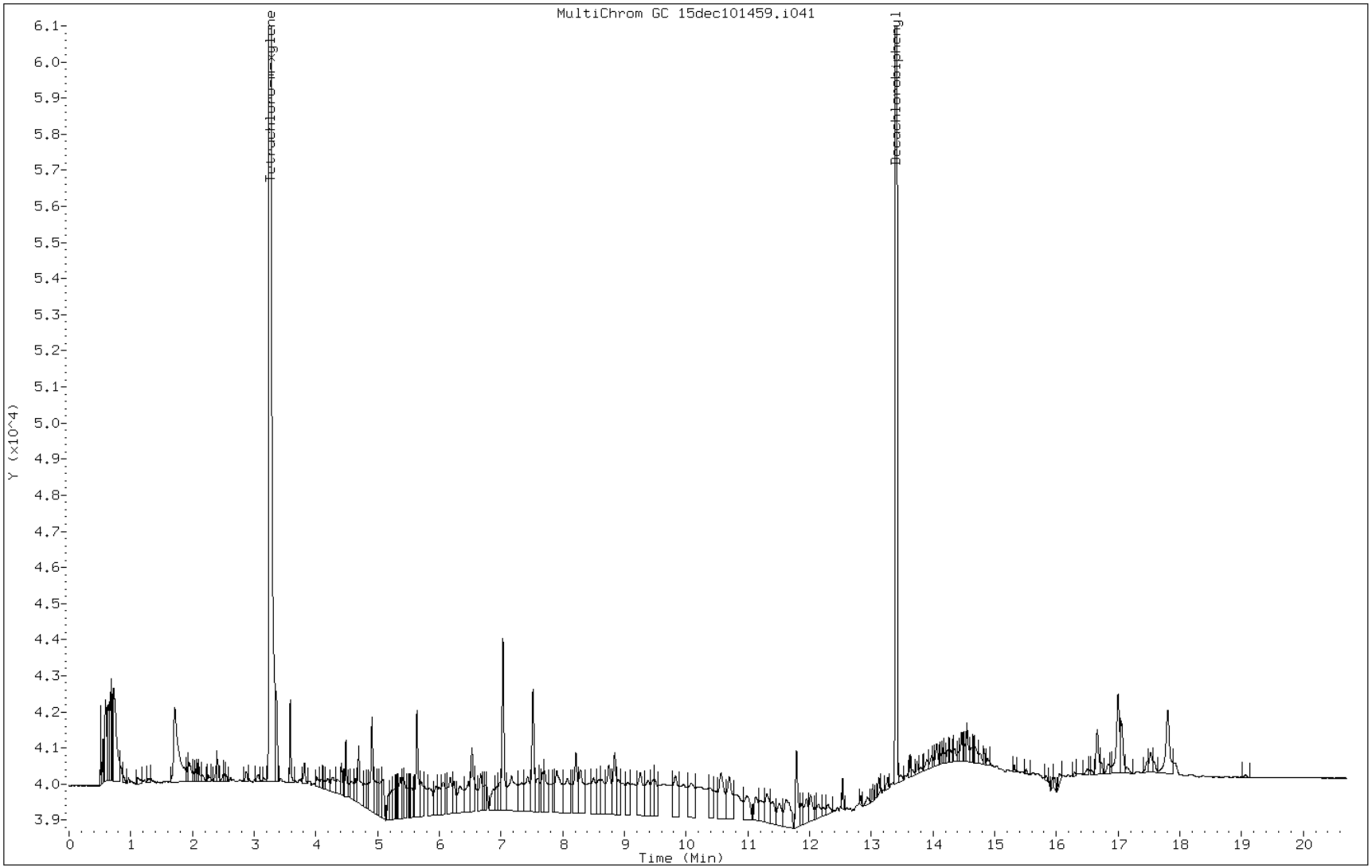
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.259	3.254	0.005	177011	104.356	104.4	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.404	13.402	0.002	193137	92.3214	92.32	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r041.d	Date:	15-DEC-2010 22:45
Client ID:	RBC10-05	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-2-I		
Lab Sample ID:	200-2079-2		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RBC10-05 RE Lab Sample ID: 200-2079-2 RE

Matrix: Tissue Lab File ID: 15dec101459-r041.d

Analysis Method: 8082 Date Collected: 10/19/2010 17:00

Extraction Method: In-House Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.18(g) Date Analyzed: 12/15/2010 22:45

Con. Extract Vol.: 4000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	102	*E*	30-130
2051-24-3	DCB Decachlorobiphenyl	95	E	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-2
Client Smp ID: RBC10-05
Inj Date : 15-DEC-2010 22:45
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2079-A-2-I
Misc Info : 200-2079-A-2-I
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 09:00 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

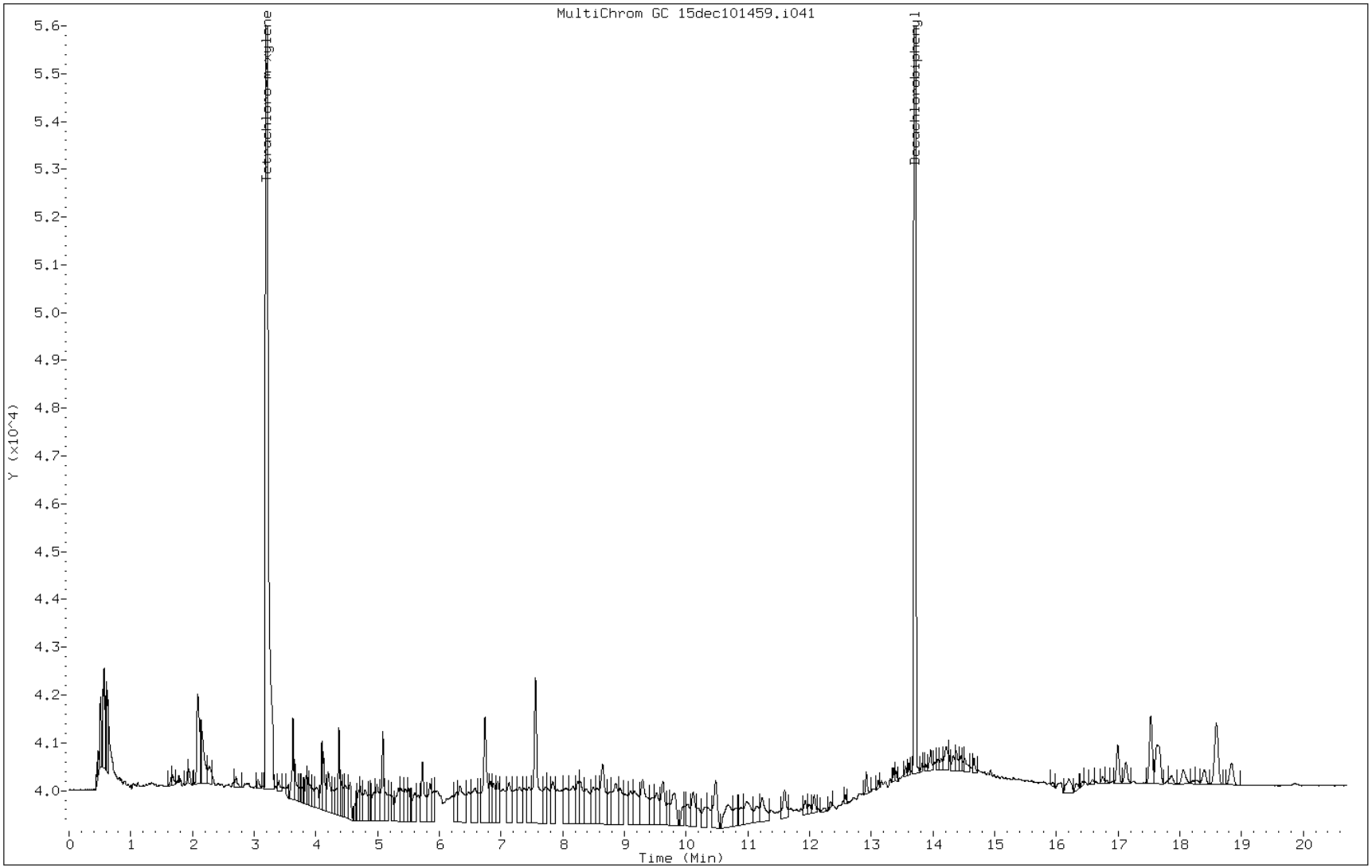
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.201	3.190	0.011	116400	101.758	101.8	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.708	13.699	0.009	127799	94.9772	94.98	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r041.d	Date:	15-DEC-2010 22:45
Client ID:	RBC10-05	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-2-I		
Lab Sample ID:	200-2079-2		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RVG10-01 | Lab Sample ID: 200-2079-3

Matrix: Tissue | Lab File ID: 09nov101450-r261.d

Analysis Method: 8082 | Date Collected: 10/19/2010 12:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.17(g) | Date Analyzed: 11/10/2010 01:17

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9333 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*PCB-1016*	*50*	*U*	*50*	*25*
11104-28-2	*PCB-1221*	*50*	*U*	*50*	*25*
11141-16-5	*PCB-1232*	*50*	*U*	*50*	*25*
53469-21-9	*PCB-1242*	*50*	*U*	*50*	*25*
12672-29-6	*PCB-1248*	*50*	*U*	*50*	*25*
11097-69-1	*PCB-1254*	*50*	*U*	*50*	*25*
11096-82-5	*PCB-1260*	*50*	*U*	*50*	*25*
37324-23-5	*PCB-1262*	*50*	*U*	*50*	*25*
11100-14-4	*PCB-1268*	*50*	*U*	*50*	*25*

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	99		30-130
2051-24-3	DCB Decachlorobiphenyl	89		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-3
Client Smp ID: RVG10-01
Inj Date : 10-NOV-2010 01:17
Operator : SLD Inst ID: 7227_1.i
Smp Info : 200-2079-A-3-G
Misc Info : 200-2079-A-3-G
Comment :
Method : /var/chem/7227_1.i/102210_1/09NOV101450.b/8082_RTX5.m
Meth Date : 10-Nov-2010 08:11 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 07:20 Cal File: 22oct102021-r281.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

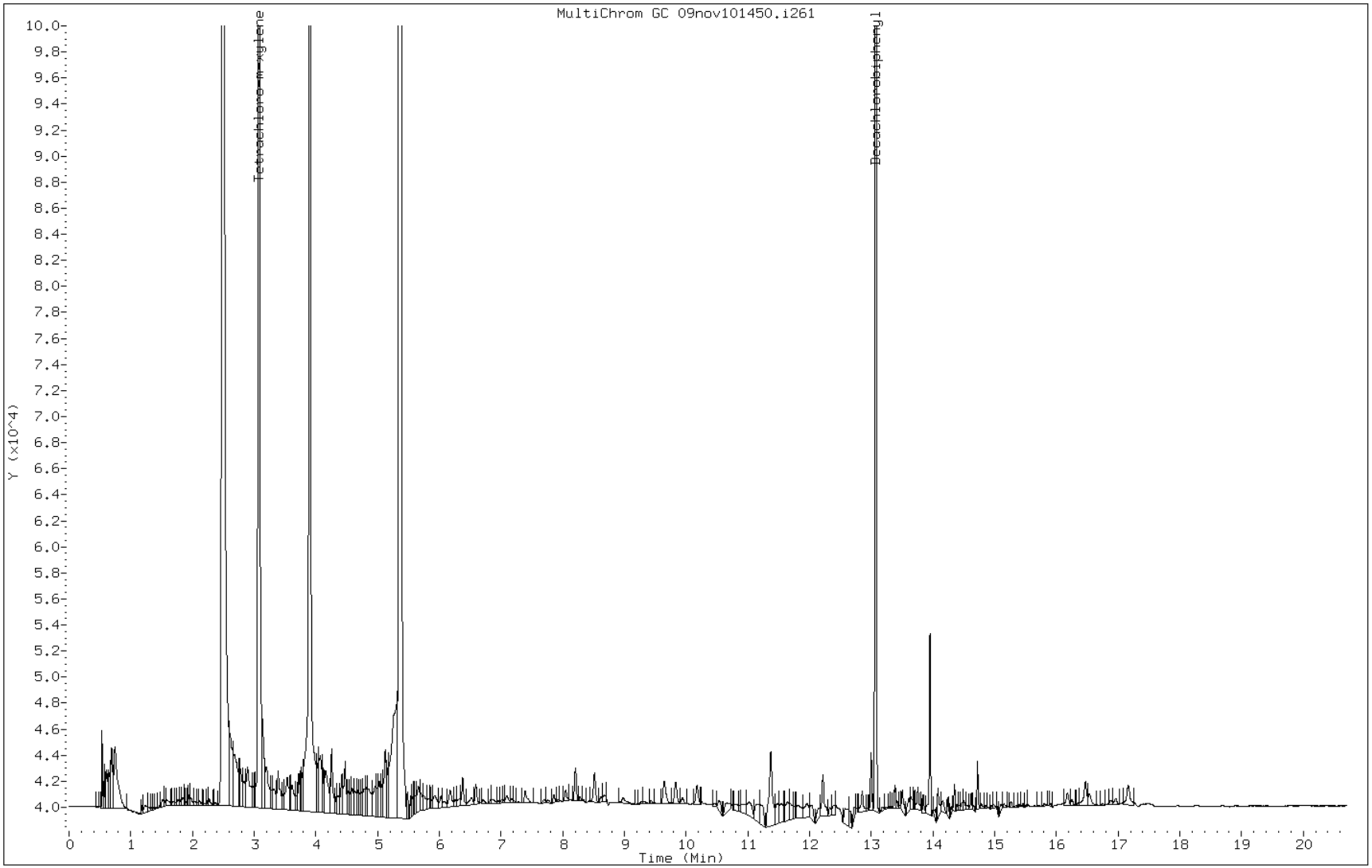
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.077	3.101	-0.024	144412	39.6985	39.70	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.069	13.098	-0.029	187580	35.4700	35.47	80.00- 120.00	100.00

Data File:	09nov101450-r261.d	Date:	10-NOV-2010 01:17
Client ID:	RVG10-01	Instrument:	7227_1.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-3-G		
Lab Sample ID:	200-2079-3		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RVG10-01 Lab Sample ID: 200-2079-3

Matrix: Tissue Lab File ID: 09nov101450-r261.d

Analysis Method: 8082 Date Collected: 10/19/2010 12:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.17(g) Date Analyzed: 11/10/2010 01:17

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9333 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	91		30-130
2051-24-3	DCB Decachlorobiphenyl	77		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-3
Client Smp ID: RVG10-01
Inj Date : 10-NOV-2010 01:17
Operator : SLD Inst ID: 7227_2.i
Smp Info : 200-2079-A-3-G
Misc Info : 200-2079-A-3-G
Comment :
Method : /var/chem/7227_2.i/102210_1/09NOV101450.b/8082_RTX35.m
Meth Date : 10-Nov-2010 09:28 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

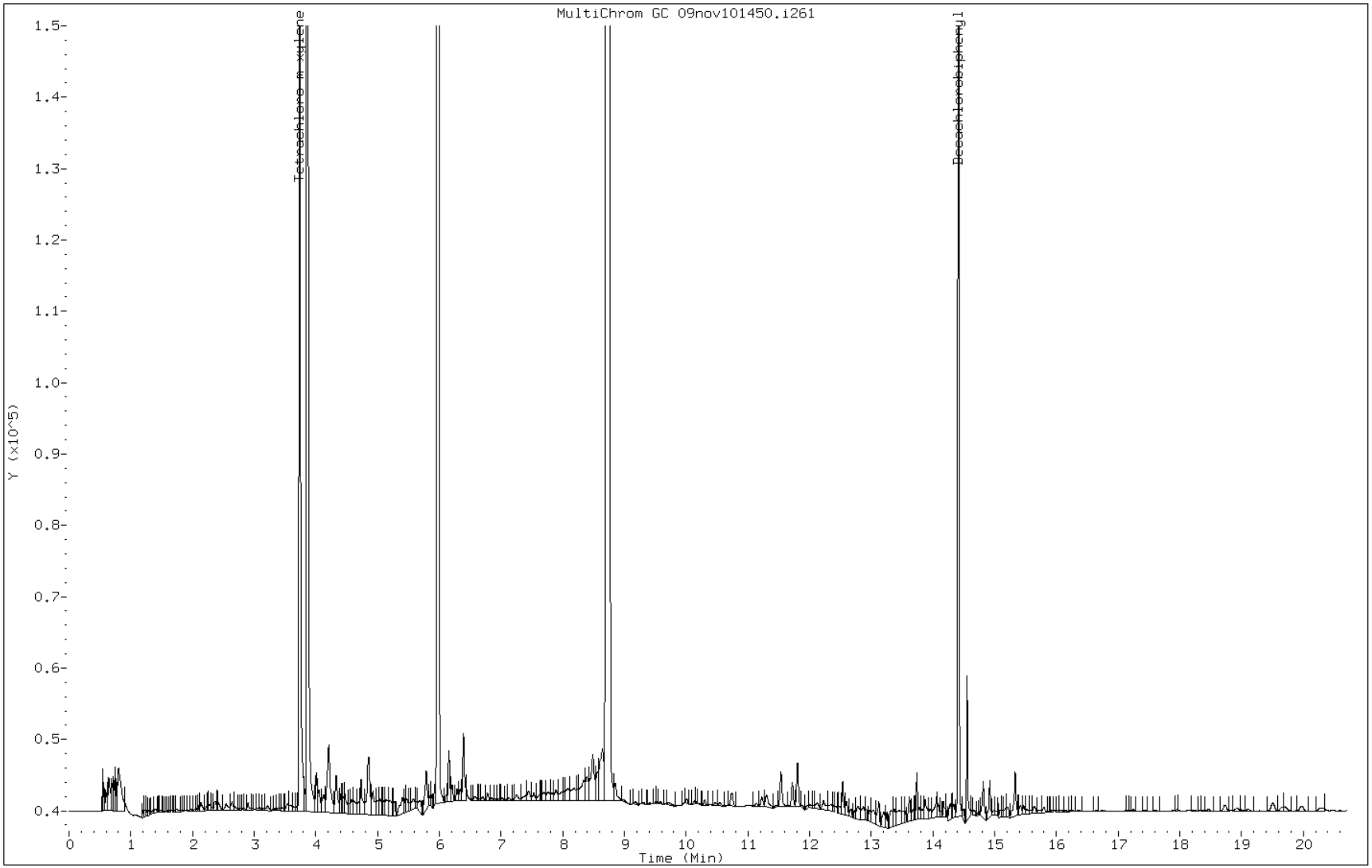
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.737	3.753	-0.016	211458	36.4496	36.45	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.411	14.431	-0.020	208783	30.9984	31.00	80.00- 120.00	100.00

Data File:	09nov101450-r261.d	Date:	10-NOV-2010 01:17
Client ID:	RVG10-01	Instrument:	7227_2.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-3-G		
Lab Sample ID:	200-2079-3		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RVG10-01 RE | Lab Sample ID: 200-2079-3 RE

Matrix: Tissue | Lab File ID: 15dec101459-r051.d

Analysis Method: 8082 | Date Collected: 10/19/2010 12:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.17(g) | Date Analyzed: 12/15/2010 23:11

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	20	U	20	10
11104-28-2	PCB-1221	20	U	20	10
11141-16-5	PCB-1232	20	U	20	10
53469-21-9	PCB-1242	20	U	20	10
12672-29-6	PCB-1248	20	U	20	10
11097-69-1	PCB-1254	20	U	20	10
11096-82-5	PCB-1260	20	U	20	10
37324-23-5	PCB-1262	20	U	20	10
11100-14-4	PCB-1268	20	U	20	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	98	E	30-130
2051-24-3	DCB Decachlorobiphenyl	81	E	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-3
Client Smp ID: RVG10-01
Inj Date : 15-DEC-2010 23:11
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2079-A-3-J
Misc Info : 200-2079-A-3-J
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 08:03 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

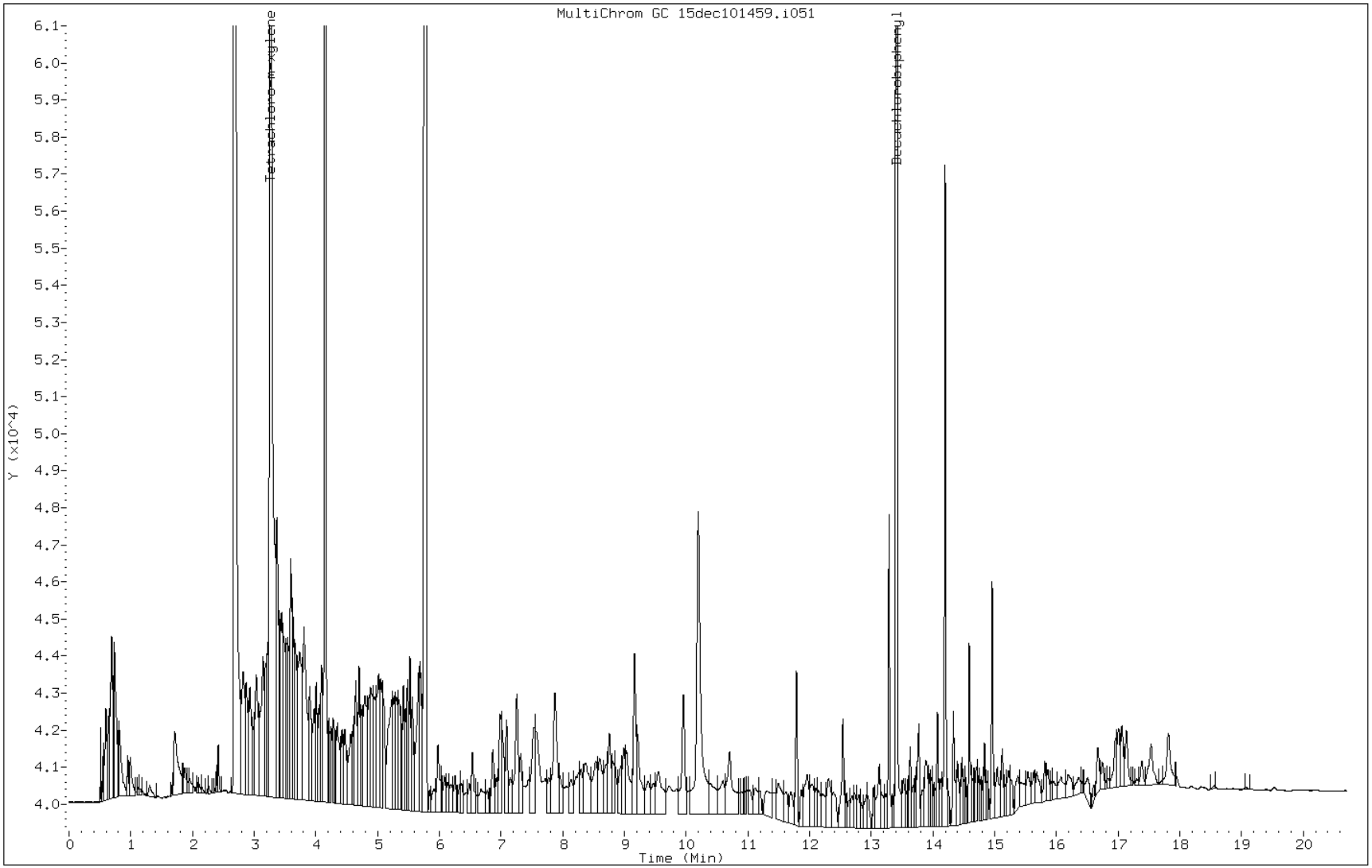
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.267	3.254	0.013	166333	98.0605	98.06	80.00- 120.00	100.00(ARM)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.409	13.402	0.007	169429	80.9887	80.99	80.00- 120.00	100.00(ARM)

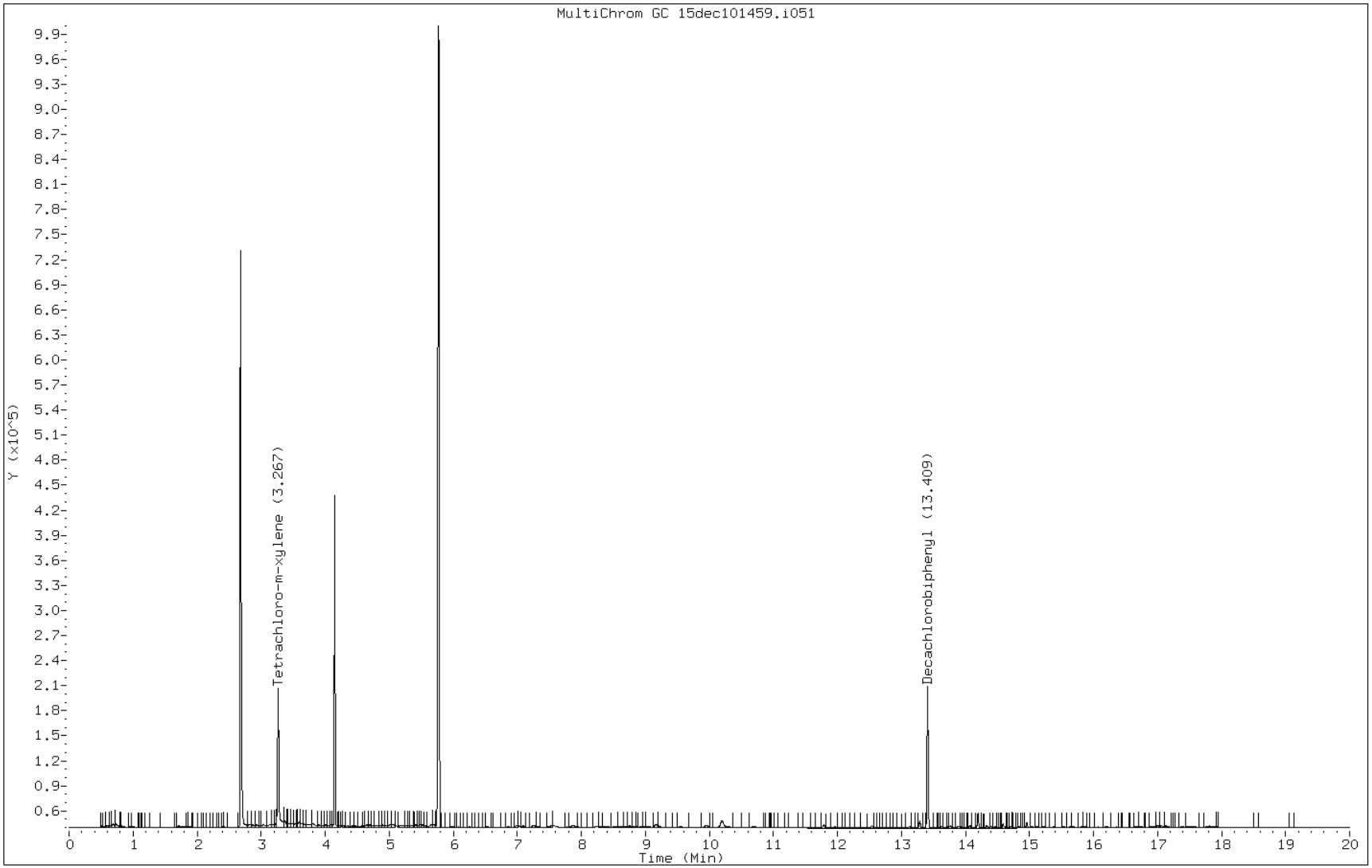
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r051.d	Date:	15-DEC-2010 23:11
Client ID:	RVG10-01	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-3-J		
Lab Sample ID:	200-2079-3		



Data File:	15dec101459-r051.d	Date:	15-DEC-2010 23:11
Client ID:	RVG10-01	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-3-J		



Manual Integration Report

Data File: 15dec101459-r051.d
Lab Sample ID: 200-2079-3
Inj. Date and Time: 15-DEC-2010 23:11
Instrument ID: 3283_1.i
Client ID: RVG10-01
Compound: 10 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 12/16/2010

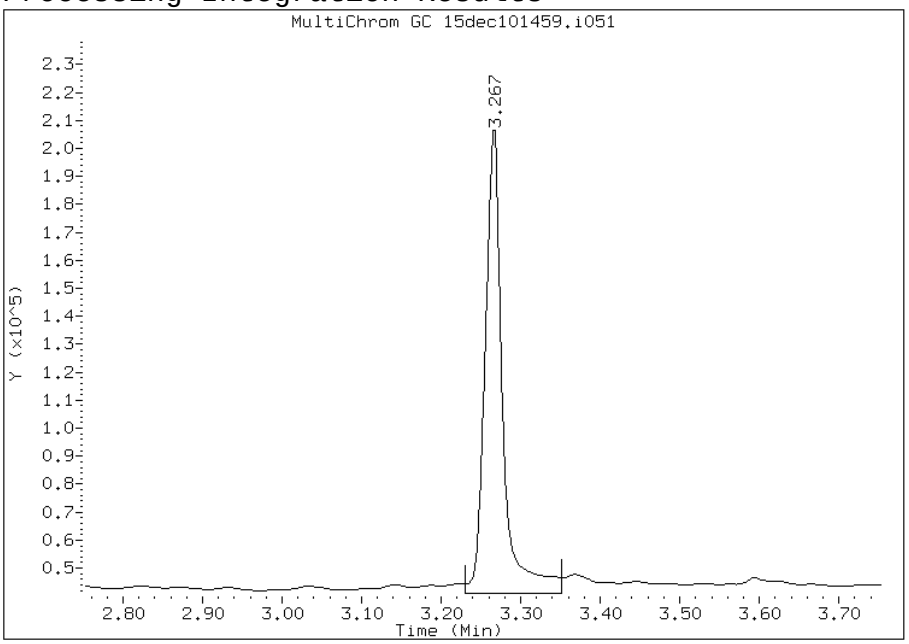
Processing Integration Results

RT: 3.27

Response: 165528

Amount: 97.59

Conc: 97.59



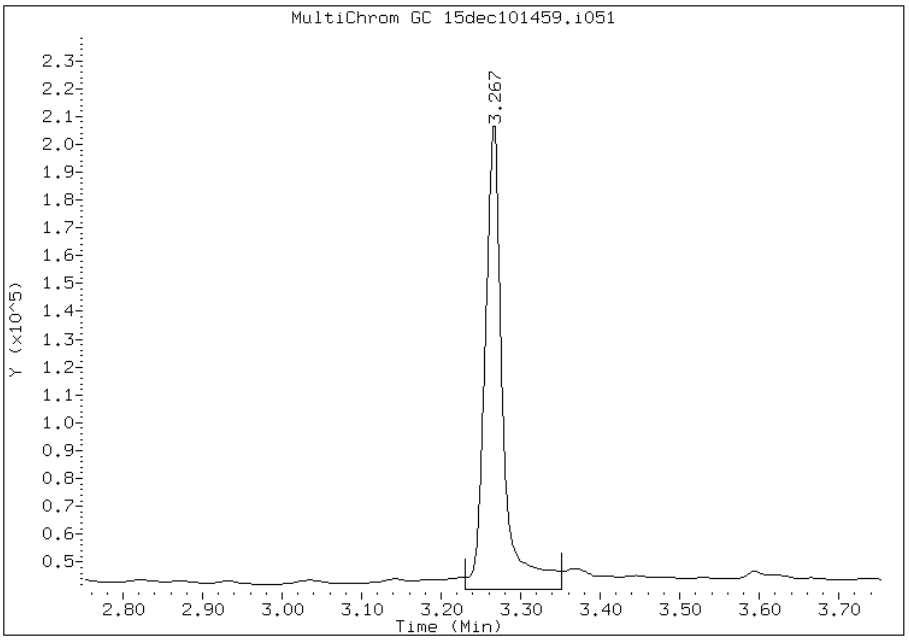
Manual Integration Results

RT: 3.27

Response: 166333

Amount: 98.06

Conc: 98.06



File Uploaded By: sld
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 15dec101459-r051.d
Lab Sample ID: 200-2079-3
Inj. Date and Time: 15-DEC-2010 23:11
Instrument ID: 3283_1.i
Client ID: RVG10-01
Compound: 11 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 12/16/2010

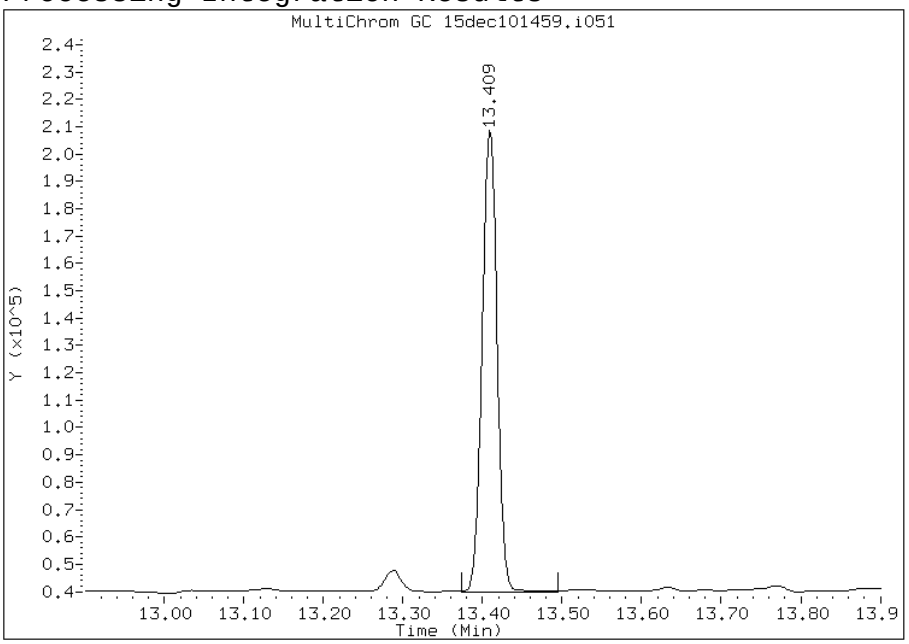
Processing Integration Results

RT: 13.41

Response: 169102

Amount: 80.83

Conc: 80.83



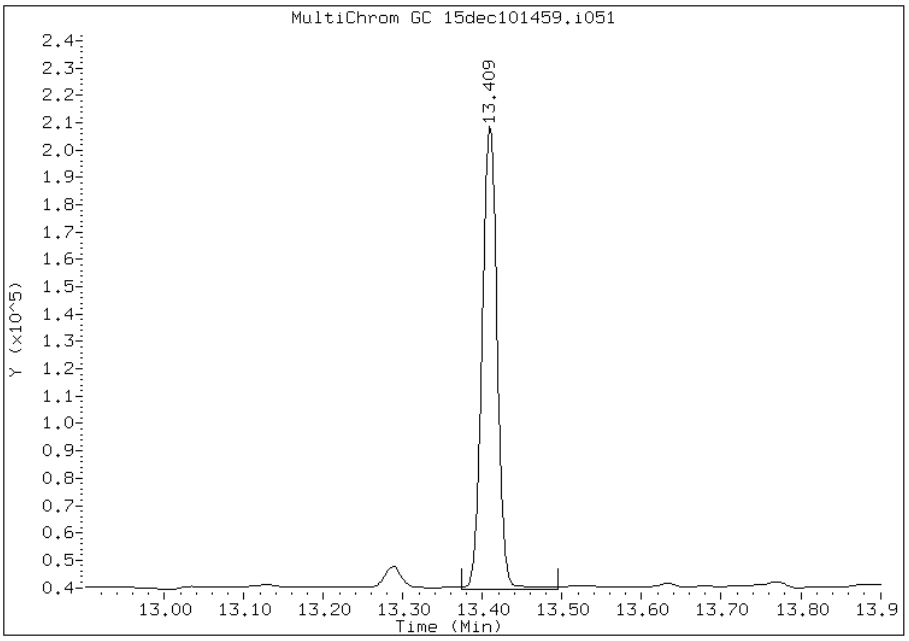
Manual Integration Results

RT: 13.41

Response: 169429

Amount: 80.99

Conc: 80.99



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RVG10-01 RE Lab Sample ID: 200-2079-3 RE

Matrix: Tissue Lab File ID: 15dec101459-r051.d

Analysis Method: 8082 Date Collected: 10/19/2010 12:00

Extraction Method: In-House Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.17(g) Date Analyzed: 12/15/2010 23:11

Con. Extract Vol.: 4000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	92	*E*	30-130
2051-24-3	DCB Decachlorobiphenyl	81	*E*	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-3
Client Smp ID: RVG10-01
Inj Date : 15-DEC-2010 23:11
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2079-A-3-J
Misc Info : 200-2079-A-3-J
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 09:00 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

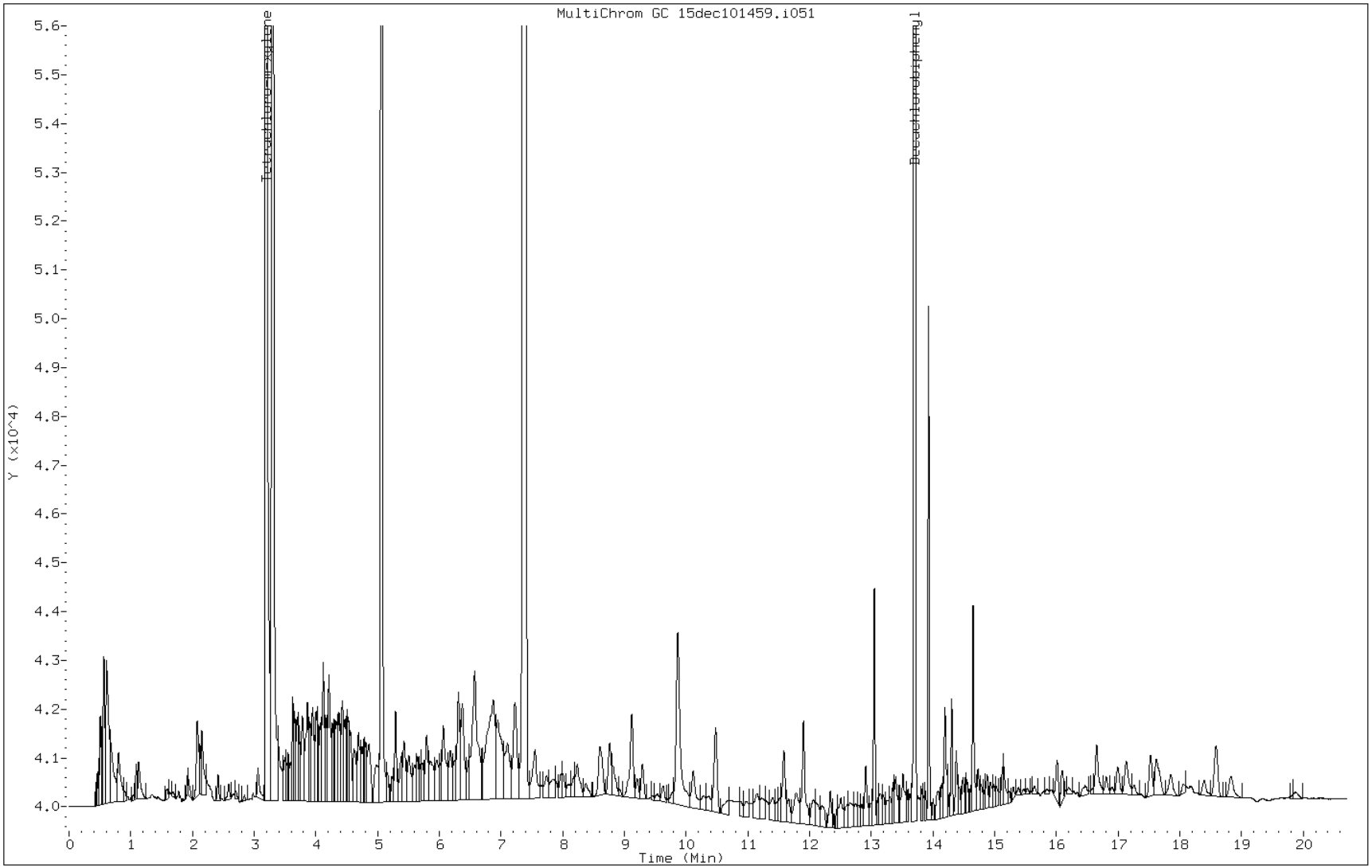
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.196	3.190	0.006	105649	92.3592	92.36	80.00- 120.00	100.00(ARM)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.703	13.699	0.004	108328	80.5068	80.51	80.00- 120.00	100.00(ARM)

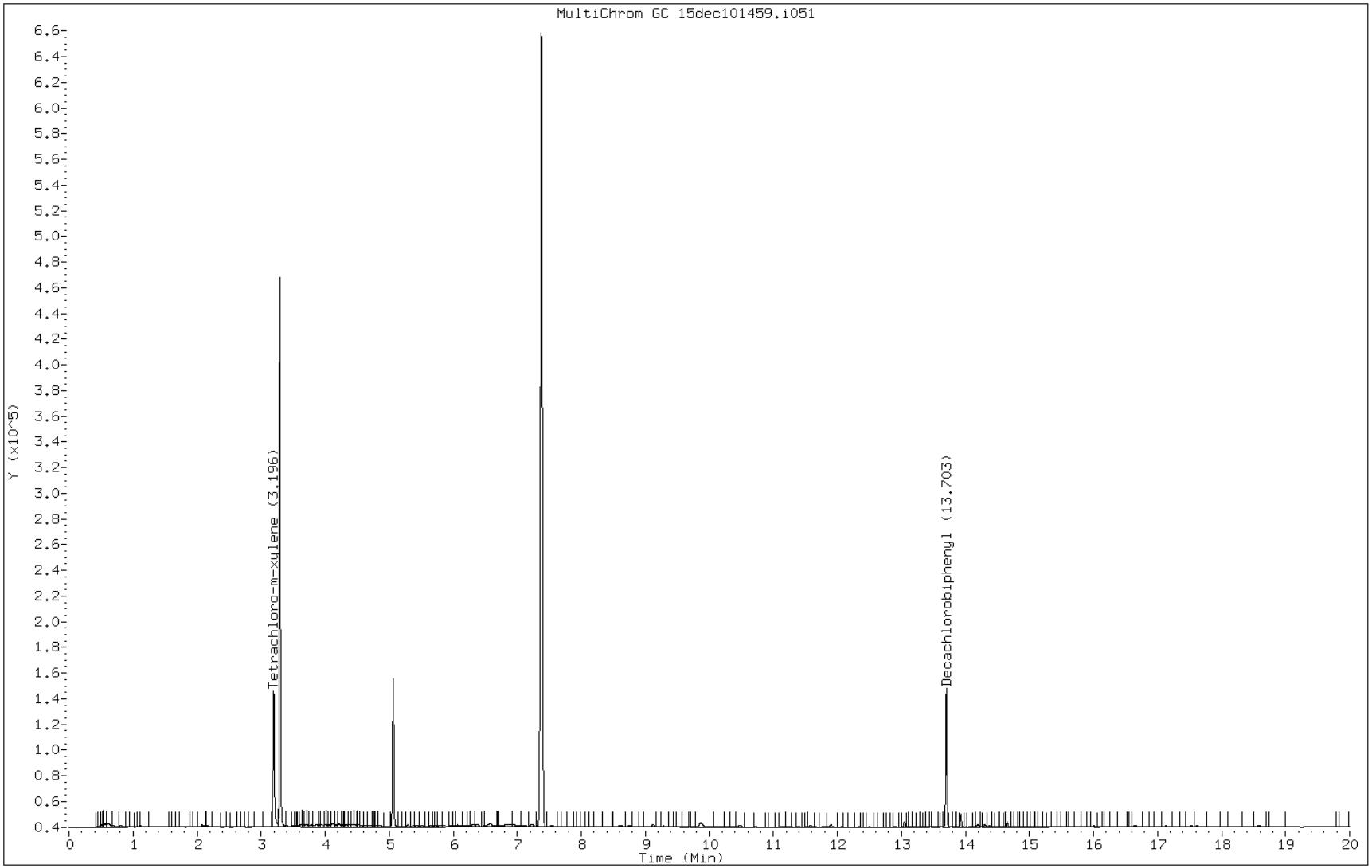
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r051.d	Date:	15-DEC-2010 23:11
Client ID:	RVG10-01	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-3-J		
Lab Sample ID:	200-2079-3		



Data File:	15dec101459-r051.d	Date:	15-DEC-2010 23:11
Client ID:	RVG10-01	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-3-J		



Manual Integration Report

Data File: 15dec101459-r051.d
Lab Sample ID: 200-2079-3
Inj. Date and Time: 15-DEC-2010 23:11
Instrument ID: 3283_2.i
Client ID: RVG10-01
Compound: 10 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 12/16/2010

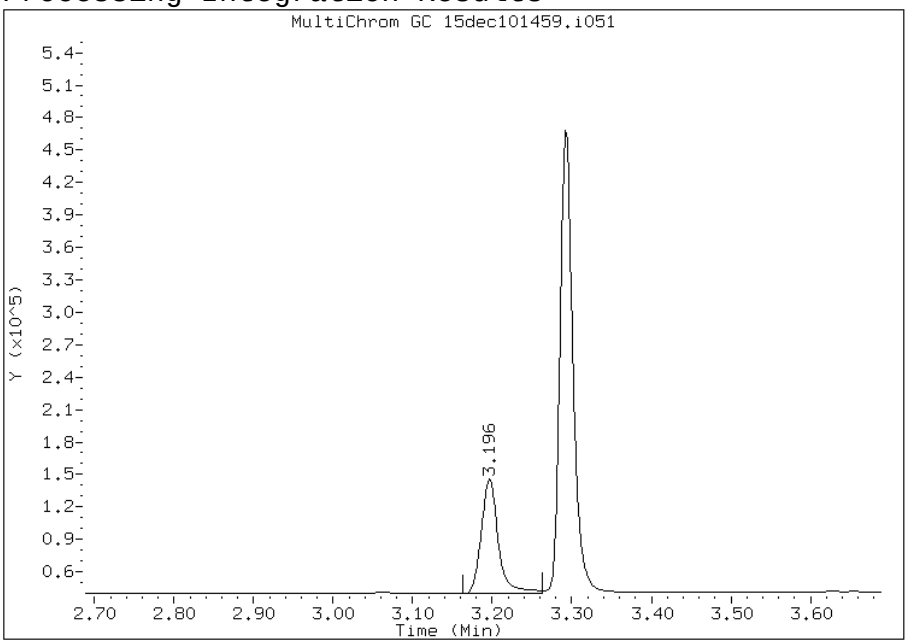
Processing Integration Results

RT: 3.20

Response: 105506

Amount: 92.23

Conc: 92.23



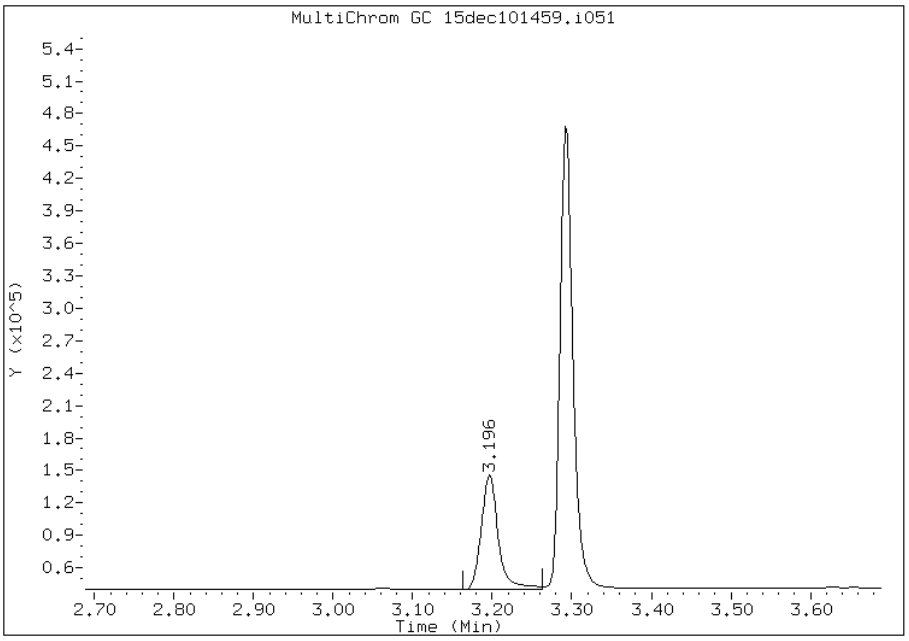
Manual Integration Results

RT: 3.20

Response: 105649

Amount: 92.36

Conc: 92.36



File Uploaded By: sld
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 15dec101459-r051.d
Lab Sample ID: 200-2079-3
Inj. Date and Time: 15-DEC-2010 23:11
Instrument ID: 3283_2.i
Client ID: RVG10-01
Compound: 11 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 12/16/2010

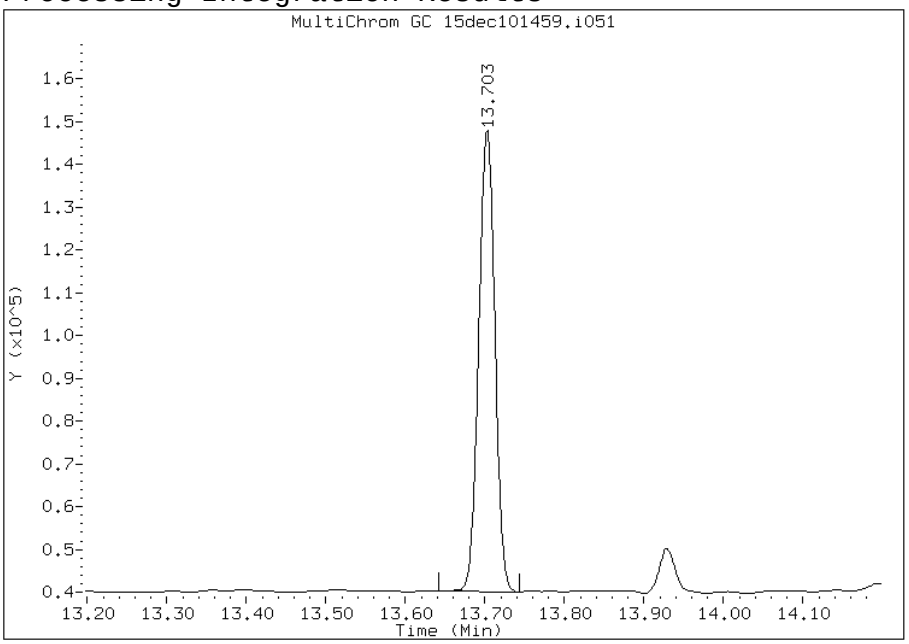
Processing Integration Results

RT: 13.70

Response: 107896

Amount: 80.19

Conc: 80.19



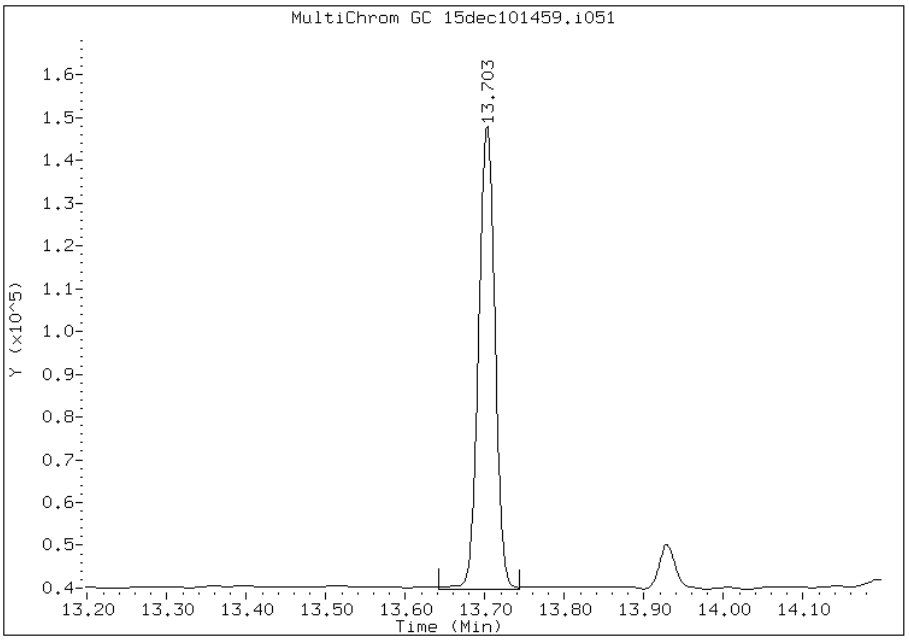
Manual Integration Results

RT: 13.70

Response: 108328

Amount: 80.51

Conc: 80.51



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RVG10-02 | Lab Sample ID: 200-2079-4

Matrix: Tissue | Lab File ID: 09nov101450-r271.d

Analysis Method: 8082 | Date Collected: 10/19/2010 12:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.33(g) | Date Analyzed: 11/10/2010 01:41

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9333 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*PCB-1016*	*49*	*U*	*49*	*25*
11104-28-2	*PCB-1221*	*49*	*U*	*49*	*25*
11141-16-5	*PCB-1232*	*49*	*U*	*49*	*25*
53469-21-9	*PCB-1242*	*49*	*U*	*49*	*25*
12672-29-6	*PCB-1248*	*49*	*U*	*49*	*25*
11097-69-1	*PCB-1254*	*49*	*U*	*49*	*25*
11096-82-5	*PCB-1260*	*49*	*U*	*49*	*25*
37324-23-5	*PCB-1262*	*49*	*U*	*49*	*25*
11100-14-4	*PCB-1268*	*49*	*U*	*49*	*25*

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	93		30-130
2051-24-3	DCB Decachlorobiphenyl	82		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-4
Client Smp ID: RVG10-02
Inj Date : 10-NOV-2010 01:41
Operator : SLD Inst ID: 7227_1.i
Smp Info : 200-2079-A-4-W
Misc Info : 200-2079-A-4-W
Comment :
Method : /var/chem/7227_1.i/102210_1/09NOV101450.b/8082_RTX5.m
Meth Date : 10-Nov-2010 08:11 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 07:20 Cal File: 22oct102021-r281.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

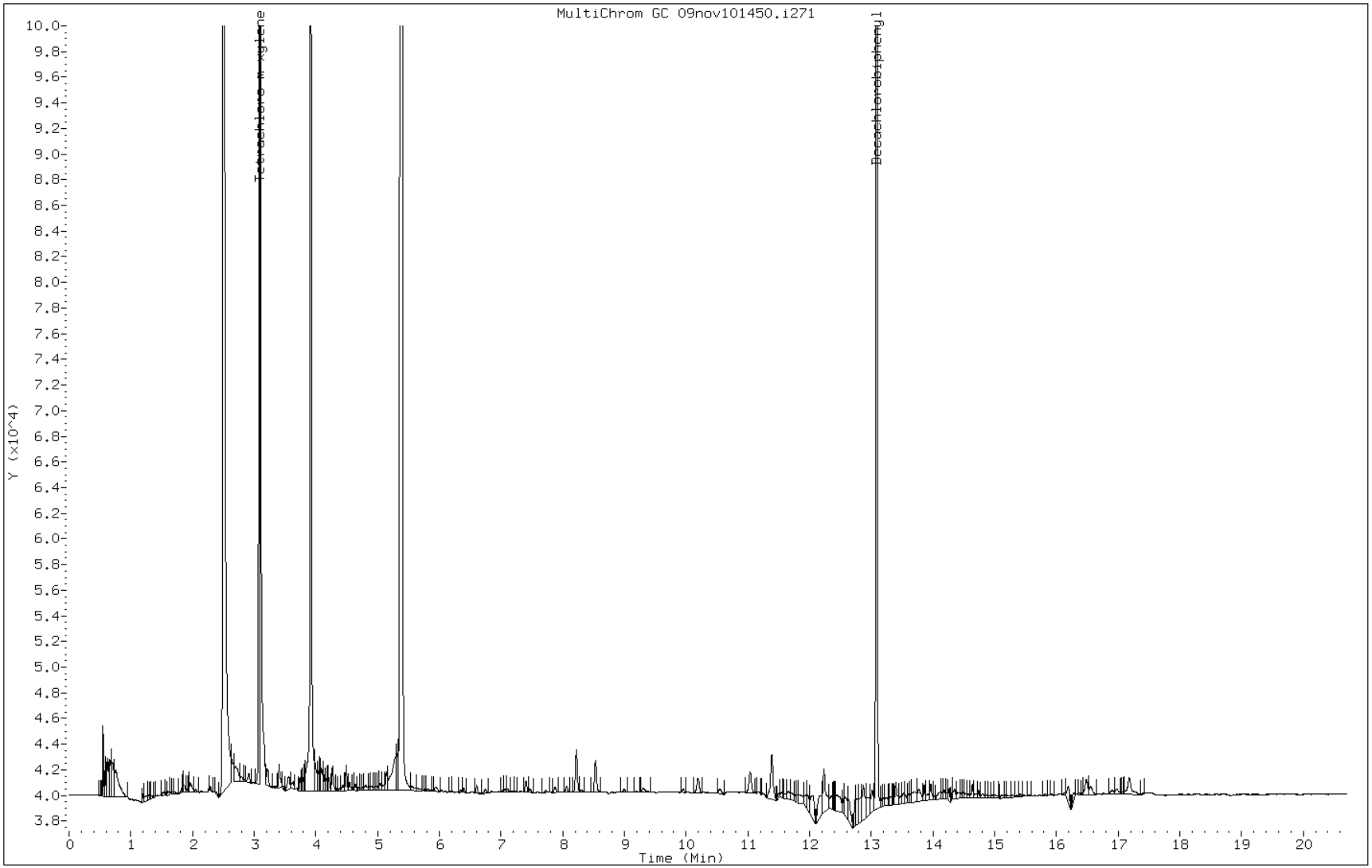
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.092	3.101	-0.009	134894	37.0820	37.08	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.087	13.098	-0.011	174106	32.9221	32.92	80.00- 120.00	100.00

Data File:	09nov101450-r271.d	Date:	10-NOV-2010 01:41
Client ID:	RVG10-02	Instrument:	7227_1.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-4-W		
Lab Sample ID:	200-2079-4		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RVG10-02 Lab Sample ID: 200-2079-4

Matrix: Tissue Lab File ID: 09nov101450-r271.d

Analysis Method: 8082 Date Collected: 10/19/2010 12:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.33(g) Date Analyzed: 11/10/2010 01:41

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9333 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	84		30-130
2051-24-3	DCB Decachlorobiphenyl	82		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-4
Client Smp ID: RVG10-02
Inj Date : 10-NOV-2010 01:41
Operator : SLD Inst ID: 7227_2.i
Smp Info : 200-2079-A-4-W
Misc Info : 200-2079-A-4-W
Comment :
Method : /var/chem/7227_2.i/102210_1/09NOV101450.b/8082_RTX35.m
Meth Date : 10-Nov-2010 09:28 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

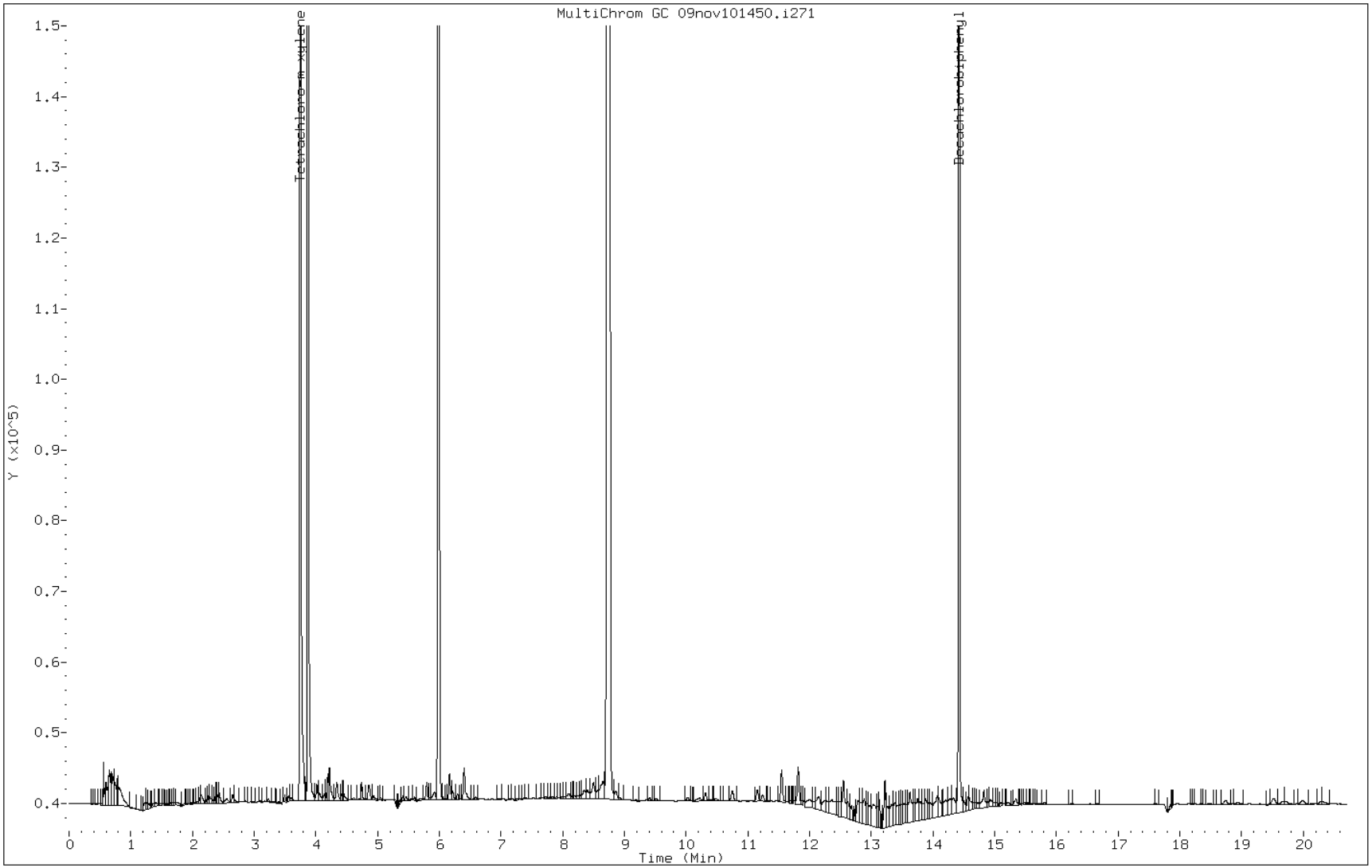
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.748	3.753	-0.005	195845	33.7584	33.76	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.422	14.431	-0.009	221007	32.8134	32.81	80.00- 120.00	100.00

Data File:	09nov101450-r271.d	Date:	10-NOV-2010 01:41
Client ID:	RVG10-02	Instrument:	7227_2.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-4-W		
Lab Sample ID:	200-2079-4		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RVG10-02 RE | Lab Sample ID: 200-2079-4 RE

Matrix: Tissue | Lab File ID: 15dec101459-r061.d

Analysis Method: 8082 | Date Collected: 10/19/2010 12:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.33(g) | Date Analyzed: 12/15/2010 23:35

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	20	U	20	9.9
11104-28-2	PCB-1221	20	U	20	9.9
11141-16-5	PCB-1232	20	U	20	9.9
53469-21-9	PCB-1242	20	U	20	9.9
12672-29-6	PCB-1248	20	U	20	9.9
11097-69-1	PCB-1254	20	U	20	9.9
11096-82-5	PCB-1260	20	U	20	9.9
37324-23-5	PCB-1262	20	U	20	9.9
11100-14-4	PCB-1268	20	U	20	9.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	95	E	30-130
2051-24-3	DCB Decachlorobiphenyl	77		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-4I
Client Smp ID: RVG10-02
Inj Date : 15-DEC-2010 23:35
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2079-A-4-AI
Misc Info : 200-2079-A-4-AI
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 08:03 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

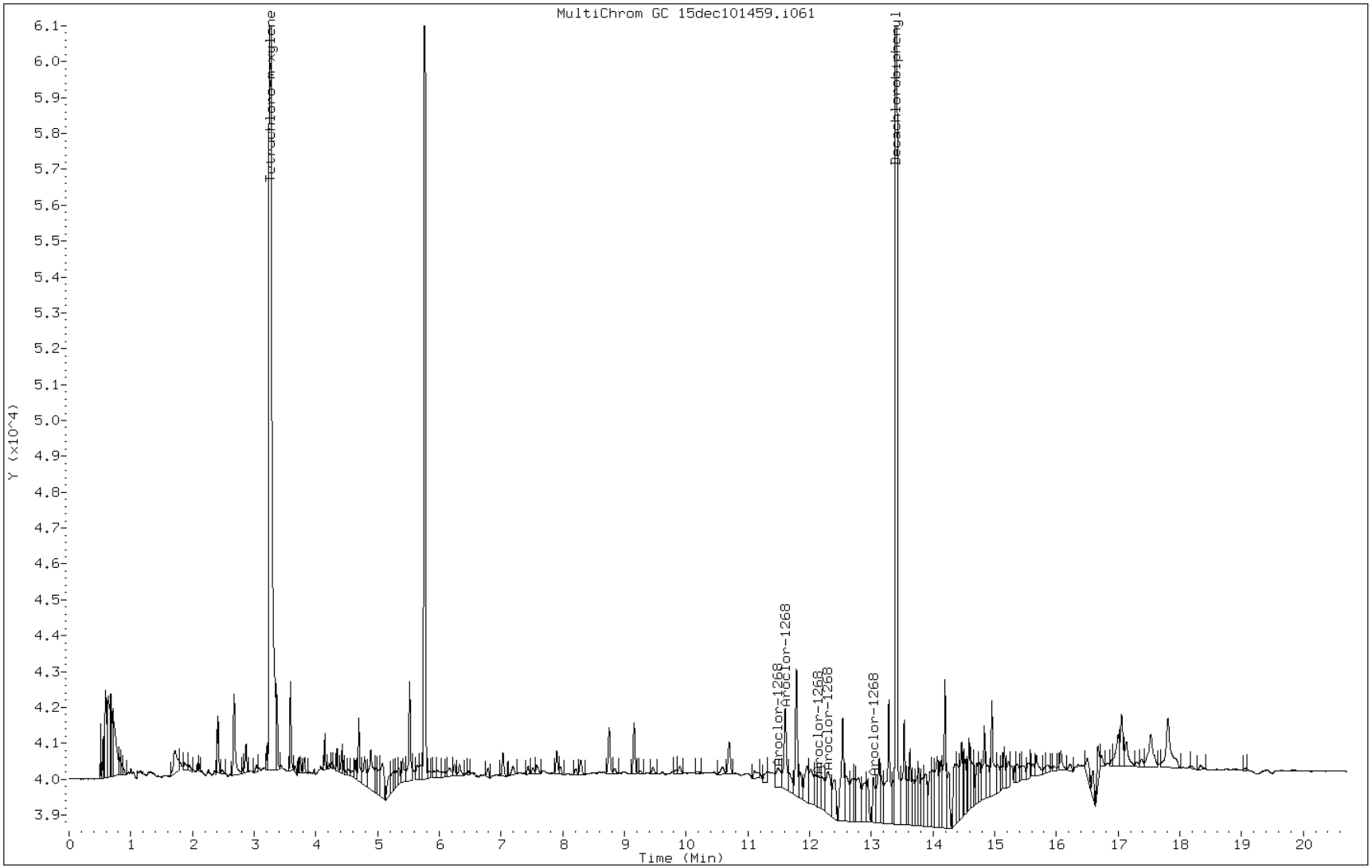
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
9 Aroclor-1268					CAS #: 11100-14-4		
11.487	11.500	-0.013	534	3.25898	3.259	0.00- 20.00	100.00(a)
11.604	11.604	0.000	2259	14.1095	14.11	0.00- 20.00	423.03
12.145	12.134	0.011	885	5.81625	5.816	0.00- 20.00	165.73
12.298	12.269	0.029	1176	28.3784	28.38	0.00- 20.00	220.22
13.034	13.014	0.020	1247	1.64087	1.641	0.00- 20.00	233.52
Average of Peak Concentrations =					10.64		
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.261	3.254	0.007	160970	94.8988	94.90	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.406	13.402	0.004	160118	76.5380	76.54	80.00- 120.00	100.00(R)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount
exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r061.d	Date:	15-DEC-2010 23:35
Client ID:	RVG10-02	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-4-AI		
Lab Sample ID:	200-2079-4I		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RVG10-02 RE Lab Sample ID: 200-2079-4 RE

Matrix: Tissue Lab File ID: 15dec101459-r061.d

Analysis Method: 8082 Date Collected: 10/19/2010 12:00

Extraction Method: In-House Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.33(g) Date Analyzed: 12/15/2010 23:35

Con. Extract Vol.: 4000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	93	*E*	30-130
2051-24-3	DCB Decachlorobiphenyl	82	*E*	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-4I
Client Smp ID: RVG10-02
Inj Date : 15-DEC-2010 23:35
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2079-A-4-AI
Misc Info : 200-2079-A-4-AI
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 09:00 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

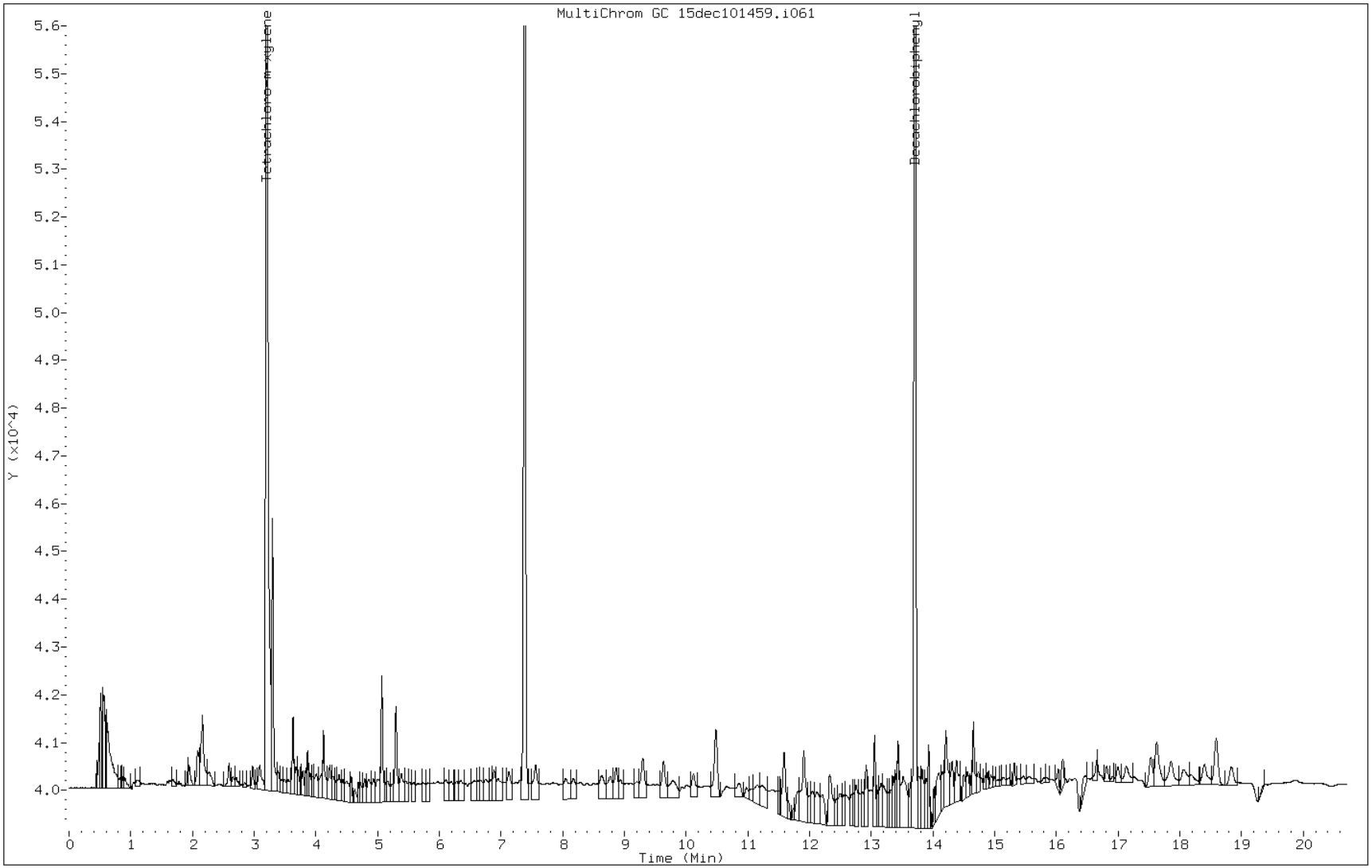
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.201	3.190	0.011	106046	92.7063	92.71	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.708	13.699	0.009	110570	82.1730	82.17	80.00- 120.00	100.00(ARM)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r061.d	Date:	15-DEC-2010 23:35
Client ID:	RVG10-02	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-4-AI		
Lab Sample ID:	200-2079-4I		



Manual Integration Report

Data File: 15dec101459-r061.d
Lab Sample ID: 200-2079-4I
Inj. Date and Time: 15-DEC-2010 23:35
Instrument ID: 3283_2.i
Client ID: RVG10-02
Compound: 11 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 12/16/2010

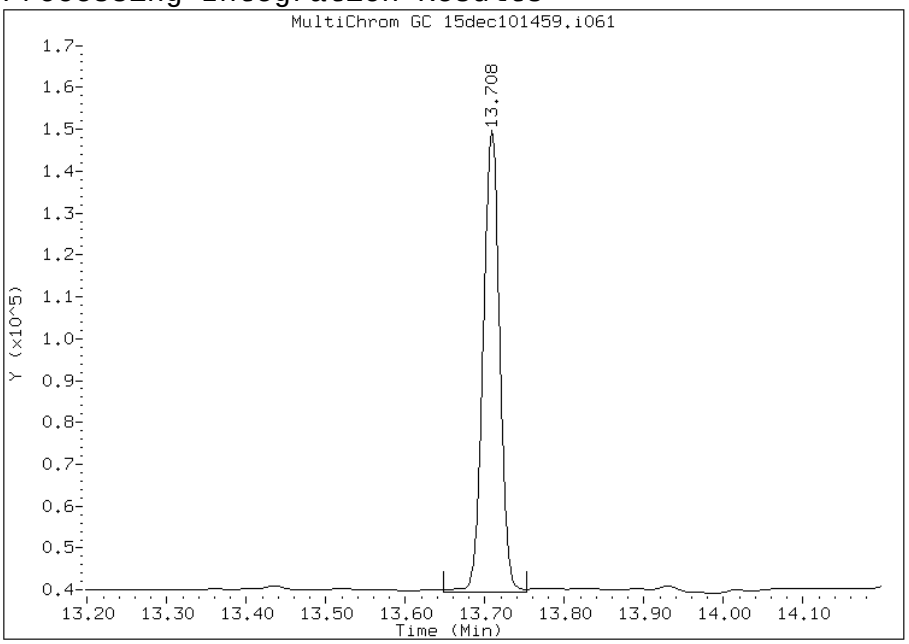
Processing Integration Results

RT: 13.71

Response: 110358

Amount: 82.02

Conc: 82.02



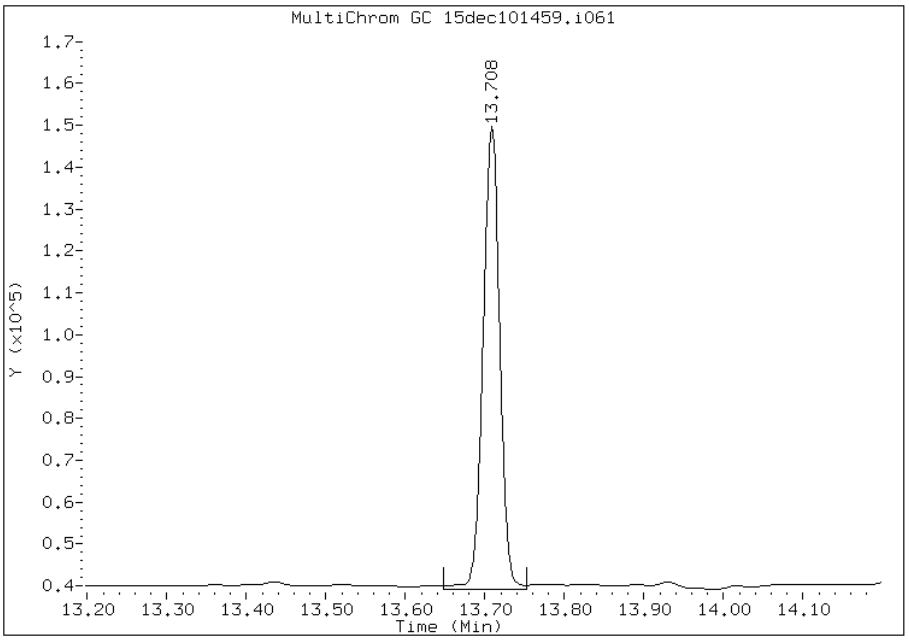
Manual Integration Results

RT: 13.71

Response: 110570

Amount: 82.17

Conc: 82.17



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RVG10-03 | Lab Sample ID: 200-2079-5

Matrix: Tissue | Lab File ID: 05nov101546-r121.d

Analysis Method: 8082 | Date Collected: 10/19/2010 12:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.00(g) | Date Analyzed: 11/05/2010 20:17

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	51	U	51	26
11104-28-2	PCB-1221	51	U	51	26
11141-16-5	PCB-1232	51	U	51	26
53469-21-9	PCB-1242	51	U	51	26
12672-29-6	PCB-1248	51	U	51	26
11097-69-1	PCB-1254	51	U	51	26
11096-82-5	PCB-1260	51	U	51	26
37324-23-5	PCB-1262	51	U	51	26
11100-14-4	PCB-1268	51	U	51	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	98		30-130
2051-24-3	DCB Decachlorobiphenyl	79		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-5
Client Smp ID: RVG10-03
Inj Date : 05-NOV-2010 20:17
Operator : DPD Inst ID: 7227_1.i
Smp Info : 200-2079-A-5-F
Misc Info : 200-2079-A-5-F
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 11:05 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

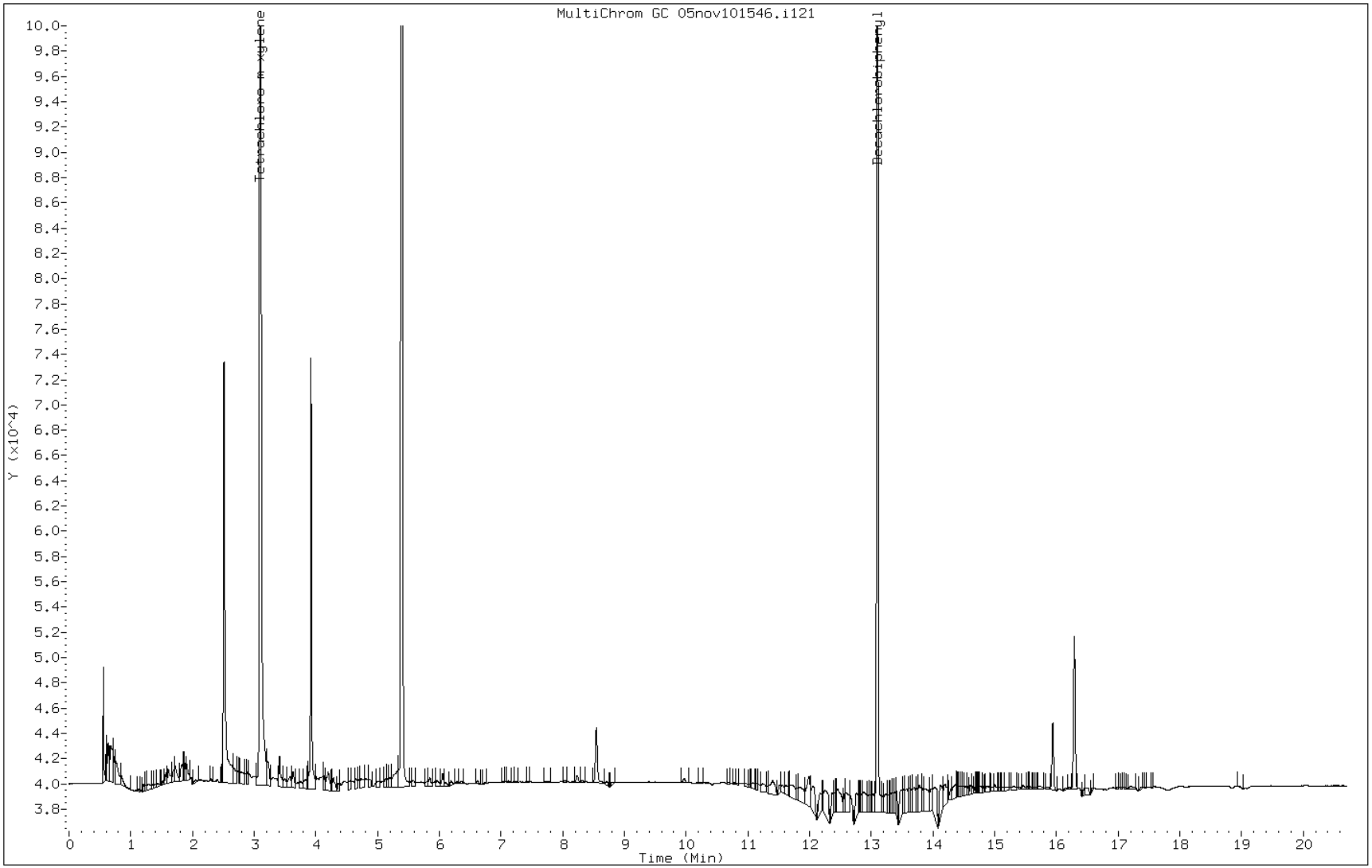
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.099	3.090	0.009	143027	39.3177	39.32	80.00- 120.00	100.00(M)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.098	13.092	0.006	167079	31.5934	31.59	80.00- 120.00	100.00(M)

QC Flag Legend

M - Compound response manually integrated.

Data File:	05nov101546-r121.d	Date:	05-NOV-2010 20:17
Client ID:	RVG10-03	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-5-F		
Lab Sample ID:	200-2079-5		



Manual Integration Report

Data File: 05nov101546-r121.d
Lab Sample ID: 200-2079-5
Inj. Date and Time: 05-NOV-2010 20:17
Instrument ID: 7227_1.i
Client ID: RVG10-03
Compound: 10 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 11/10/2010

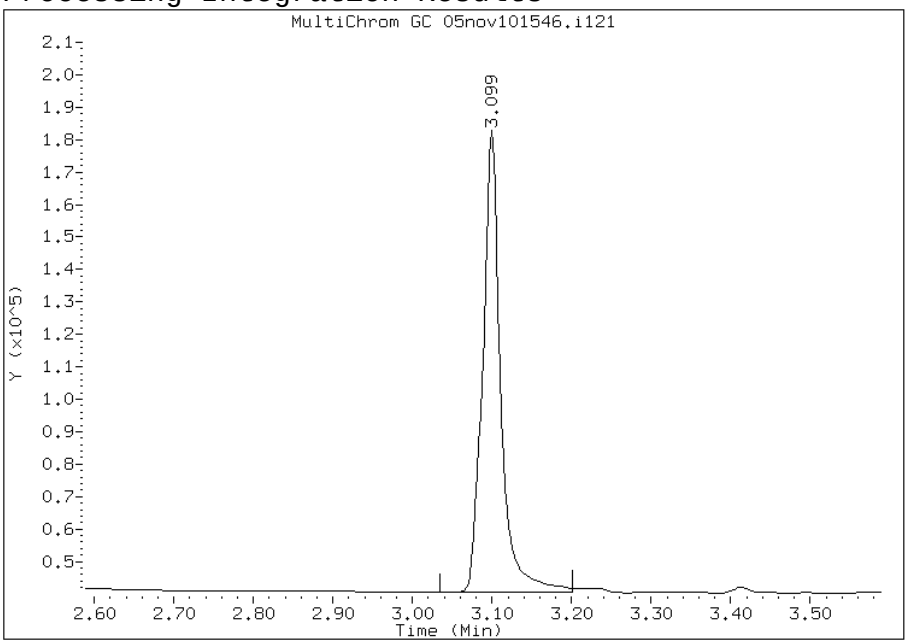
Processing Integration Results

RT: 3.10

Response: 142327

Amount: 39.13

Conc: 39.13



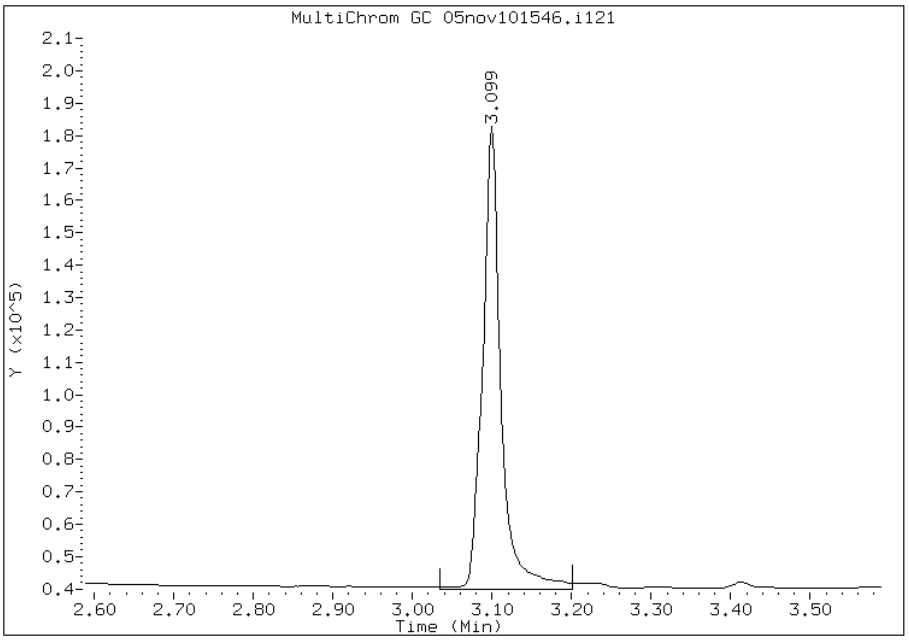
Manual Integration Results

RT: 3.10

Response: 143027

Amount: 39.32

Conc: 39.32



File Uploaded By: sld
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 05nov101546-r121.d
Lab Sample ID: 200-2079-5
Inj. Date and Time: 05-NOV-2010 20:17
Instrument ID: 7227_1.i
Client ID: RVG10-03
Compound: 11 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 11/10/2010

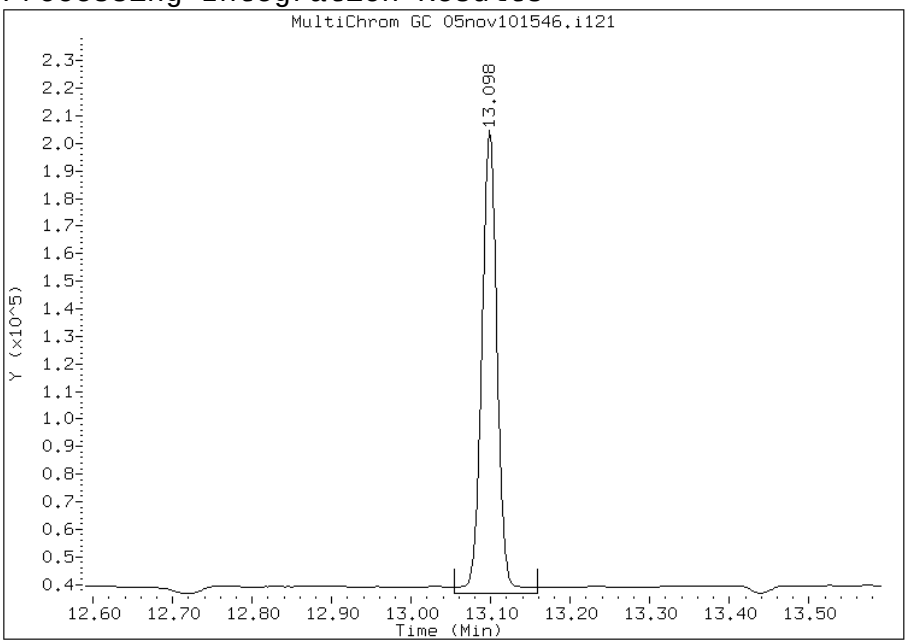
Processing Integration Results

RT: 13.10

Response: 168066

Amount: 31.78

Conc: 31.78



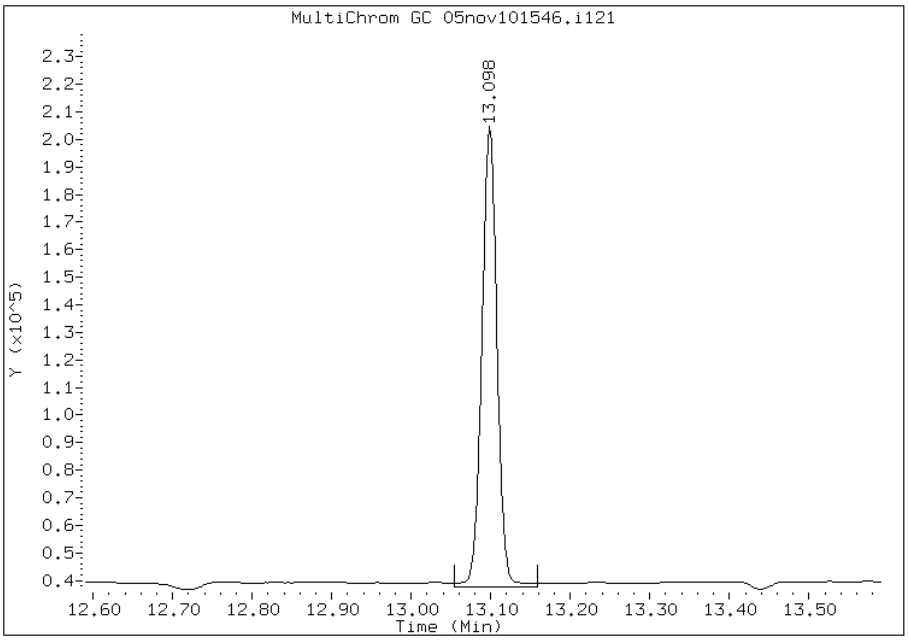
Manual Integration Results

RT: 13.10

Response: 167079

Amount: 31.59

Conc: 31.59



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RVG10-03 Lab Sample ID: 200-2079-5

Matrix: Tissue Lab File ID: 05nov101546-r121.d

Analysis Method: 8082 Date Collected: 10/19/2010 12:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.00(g) Date Analyzed: 11/05/2010 20:17

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	90		30-130
2051-24-3	DCB Decachlorobiphenyl	83		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-5
Client Smp ID: RVG10-03
Inj Date : 05-NOV-2010 20:17
Operator : DPD Inst ID: 7227_2.i
Smp Info : 200-2079-A-5-F
Misc Info : 200-2079-A-5-F
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:52 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

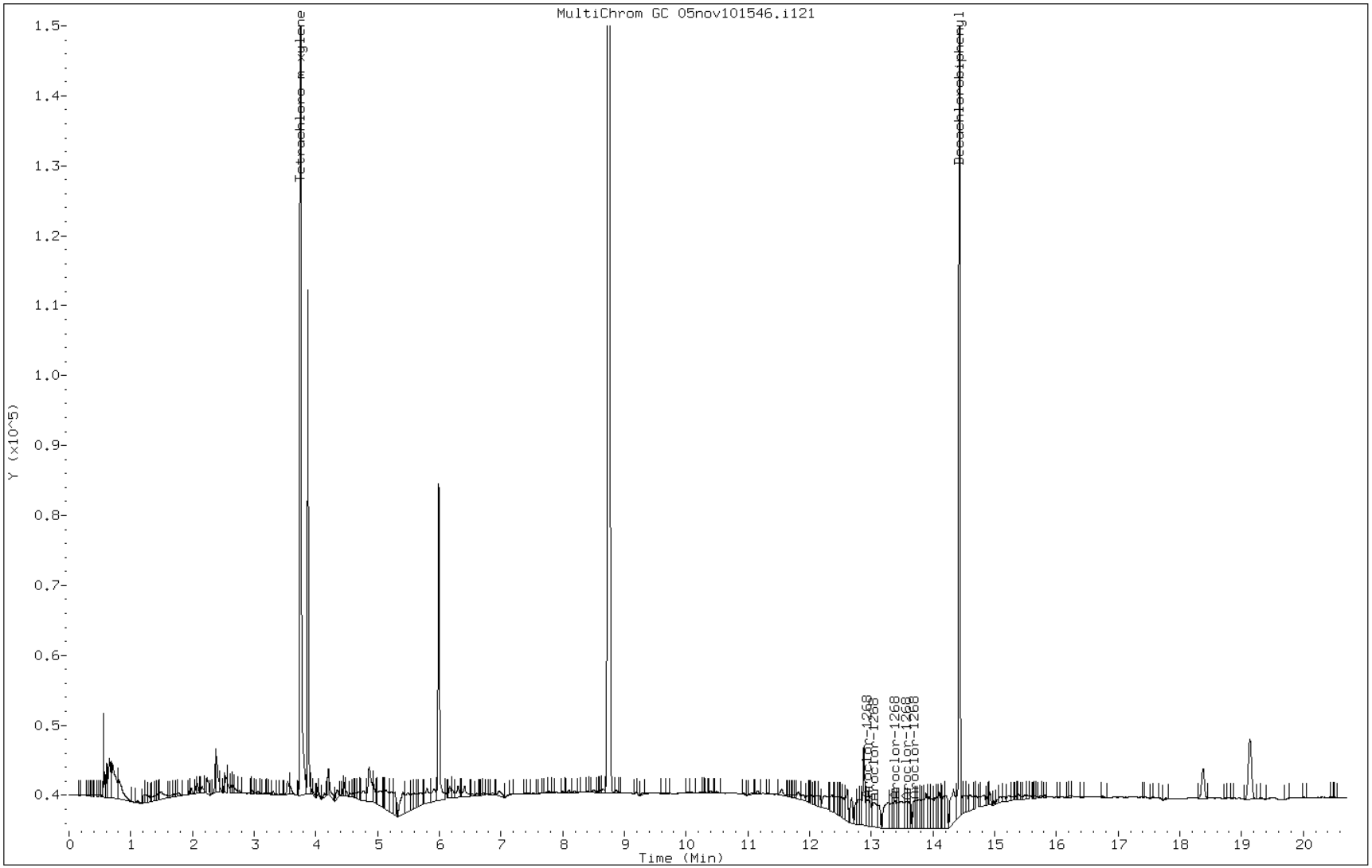
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
9 Aroclor-1268					CAS #: 11100-14-4		
12.939	12.952	-0.013	3786	4.70813	4.708	0.00- 20.00	100.00(a)
13.041	13.016	0.025	3559	5.27058	5.271	0.00- 20.00	94.00
13.389	13.400	-0.011	3961	5.76160	5.762	0.00- 20.00	104.62
13.566	13.533	0.033	3869	20.4992	20.50	0.00- 20.00	102.19
13.699	13.703	-0.004	4037	11.9436	11.94	0.00- 20.00	106.63
Average of Peak Concentrations =				9.637			
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.751	3.753	-0.002	207633	35.7903	35.79	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.426	14.431	-0.005	224002	33.2580	33.26	80.00- 120.00	100.00

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	05nov101546-r121.d	Date:	05-NOV-2010 20:17
Client ID:	RVG10-03	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-5-F		
Lab Sample ID:	200-2079-5		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RVG10-03 RE | Lab Sample ID: 200-2079-5 RE

Matrix: Tissue | Lab File ID: 15dec101459-r101.d

Analysis Method: 8082 | Date Collected: 10/19/2010 12:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.00(g) | Date Analyzed: 12/16/2010 01:15

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	20	U	20	10
11104-28-2	PCB-1221	20	U	20	10
11141-16-5	PCB-1232	20	U	20	10
53469-21-9	PCB-1242	20	U	20	10
12672-29-6	PCB-1248	20	U	20	10
11097-69-1	PCB-1254	20	U	20	10
11096-82-5	PCB-1260	20	U	20	10
37324-23-5	PCB-1262	20	U	20	10
11100-14-4	PCB-1268	20	U	20	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82	E	30-130
2051-24-3	DCB Decachlorobiphenyl	72		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-5
Client Smp ID: RVG10-03
Inj Date : 16-DEC-2010 01:15
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2079-A-5-I
Misc Info : 200-2079-A-5-I
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 08:03 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

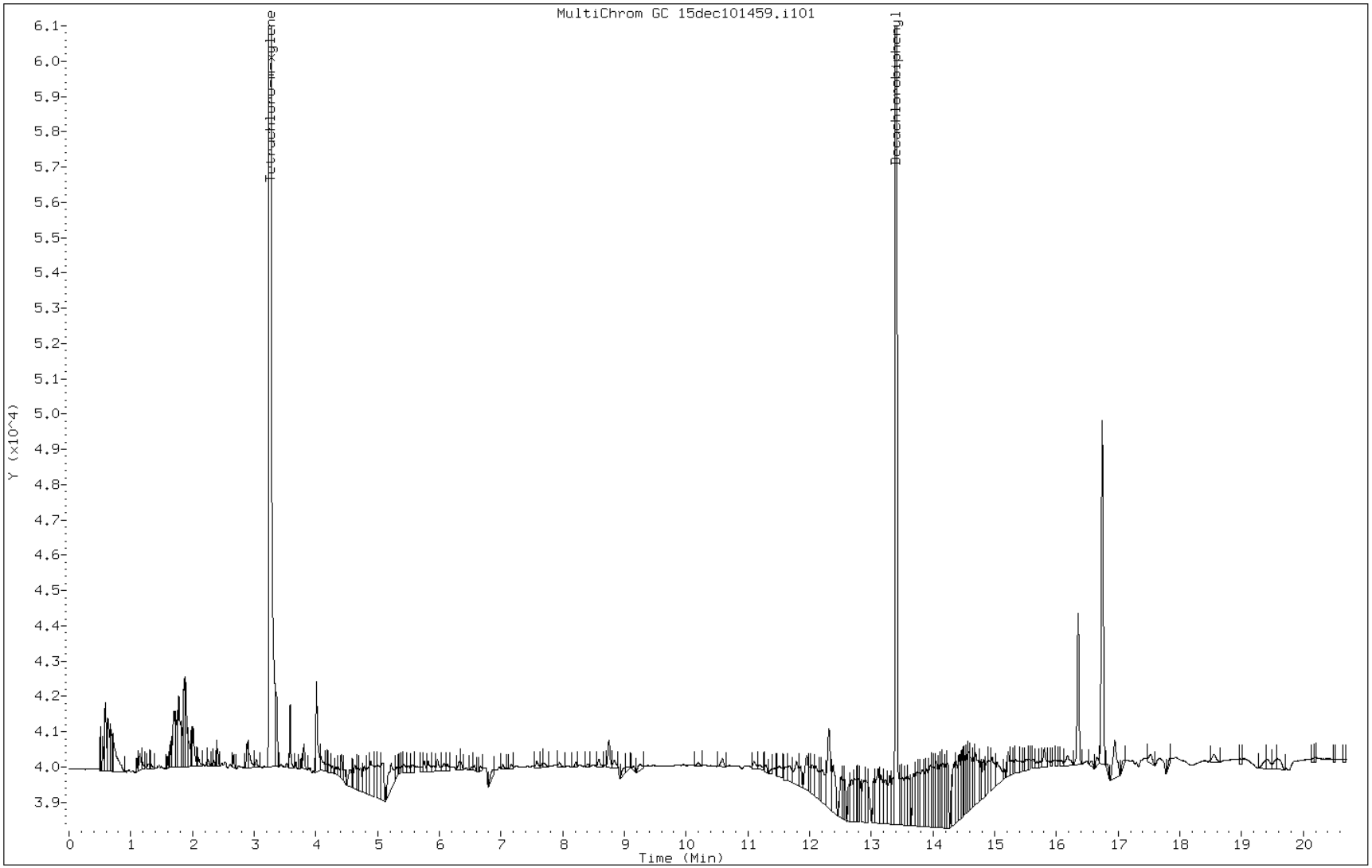
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.259	3.254	0.005	139715	82.3681	82.37	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.404	13.402	0.002	151506	72.4213	72.42	80.00- 120.00	100.00(RM)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r101.d	Date:	16-DEC-2010 01:15
Client ID:	RVG10-03	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-5-I		
Lab Sample ID:	200-2079-5		



Manual Integration Report

Data File: 15dec101459-r101.d
Lab Sample ID: 200-2079-5
Inj. Date and Time: 16-DEC-2010 01:15
Instrument ID: 3283_1.i
Client ID: RVG10-03
Compound: 11 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 12/16/2010

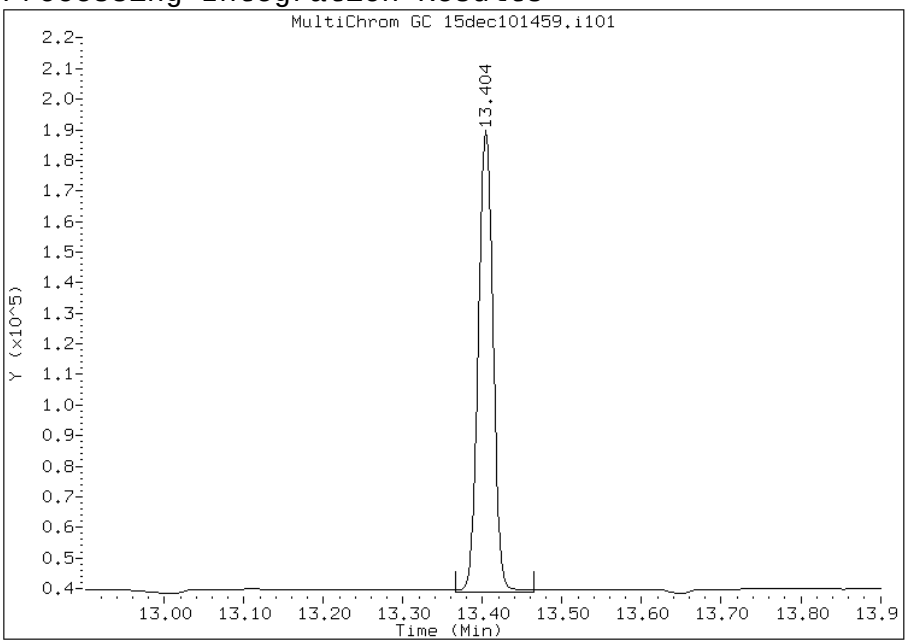
Processing Integration Results

RT: 13.40

Response: 151155

Amount: 72.25

Conc: 72.25



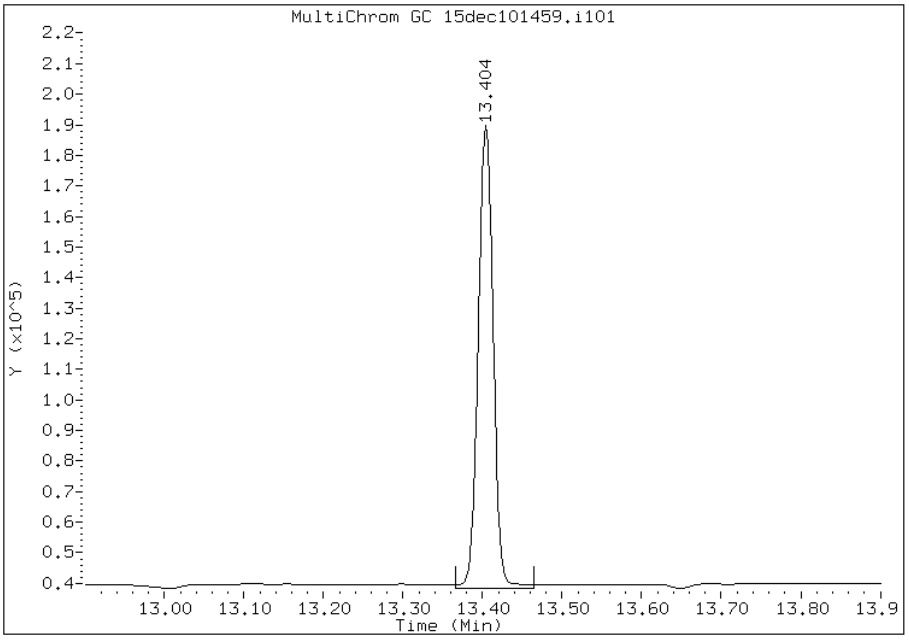
Manual Integration Results

RT: 13.40

Response: 151506

Amount: 72.42

Conc: 72.42



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RVG10-03 RE Lab Sample ID: 200-2079-5 RE

Matrix: Tissue Lab File ID: 15dec101459-r101.d

Analysis Method: 8082 Date Collected: 10/19/2010 12:00

Extraction Method: In-House Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.00(g) Date Analyzed: 12/16/2010 01:15

Con. Extract Vol.: 4000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		30-130
2051-24-3	DCB Decachlorobiphenyl	77		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-5
Client Smp ID: RVG10-03
Inj Date : 16-DEC-2010 01:15
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2079-A-5-I
Misc Info : 200-2079-A-5-I
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 09:00 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

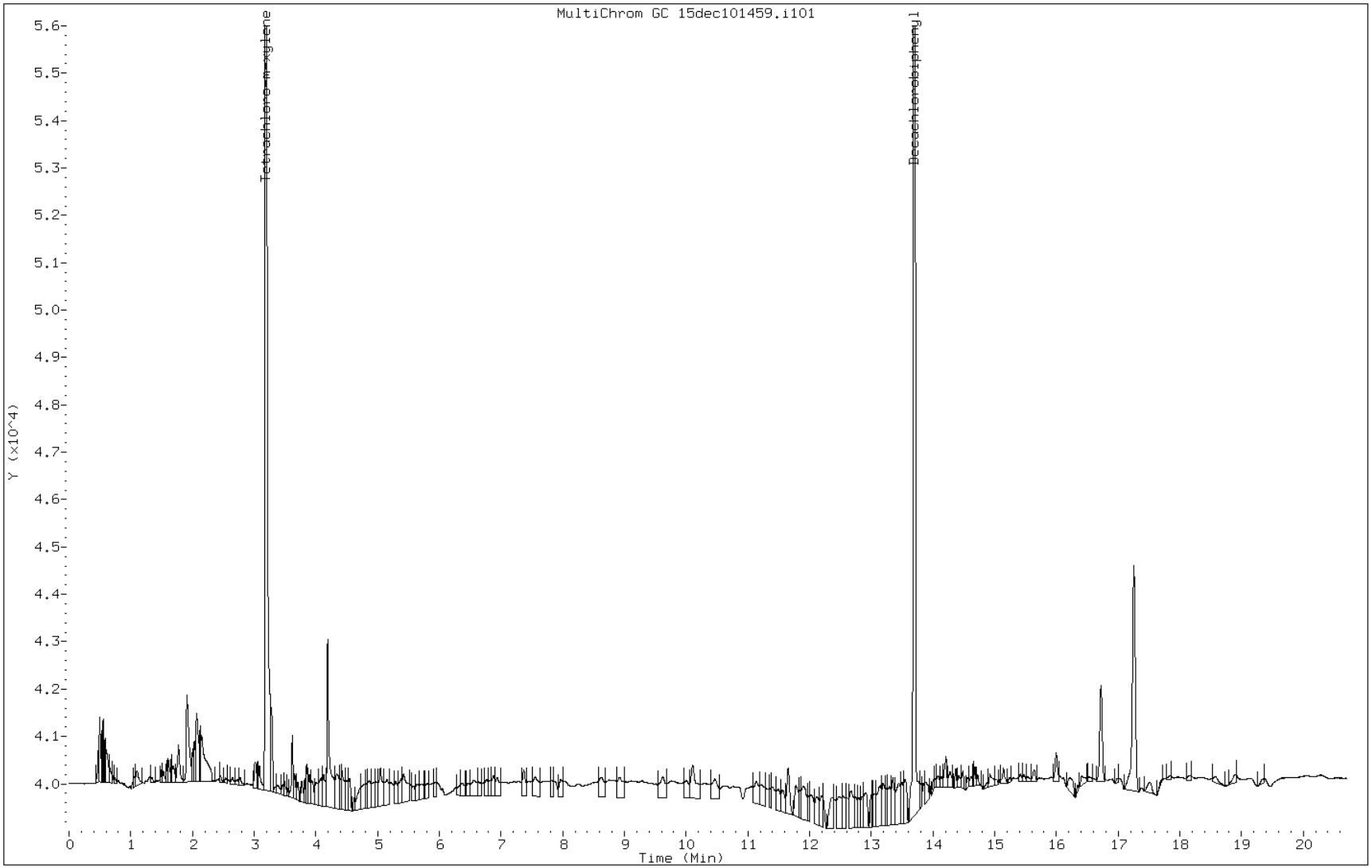
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.190	3.190	0.000	87169	76.2038	76.20	80.00- 120.00	100.00(R)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.699	13.699	0.000	103632	77.0169	77.02	80.00- 120.00	100.00(RM)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r101.d	Date:	16-DEC-2010 01:15
Client ID:	RVG10-03	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-5-I		
Lab Sample ID:	200-2079-5		



Manual Integration Report

Data File: 15dec101459-r101.d
Lab Sample ID: 200-2079-5
Inj. Date and Time: 16-DEC-2010 01:15
Instrument ID: 3283_2.i
Client ID: RVG10-03
Compound: 11 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 12/16/2010

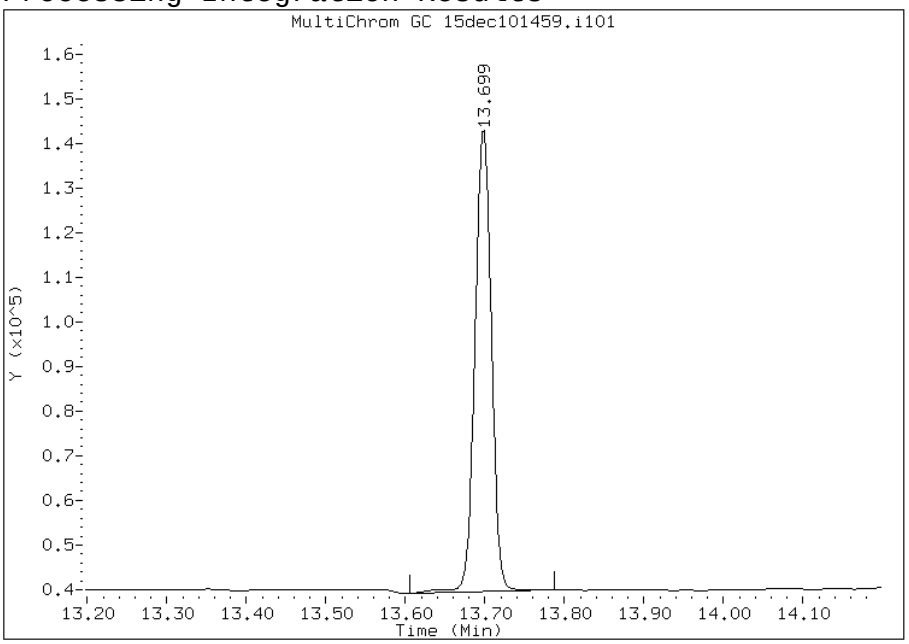
Processing Integration Results

RT: 13.70

Response: 103429

Amount: 76.87

Conc: 76.87



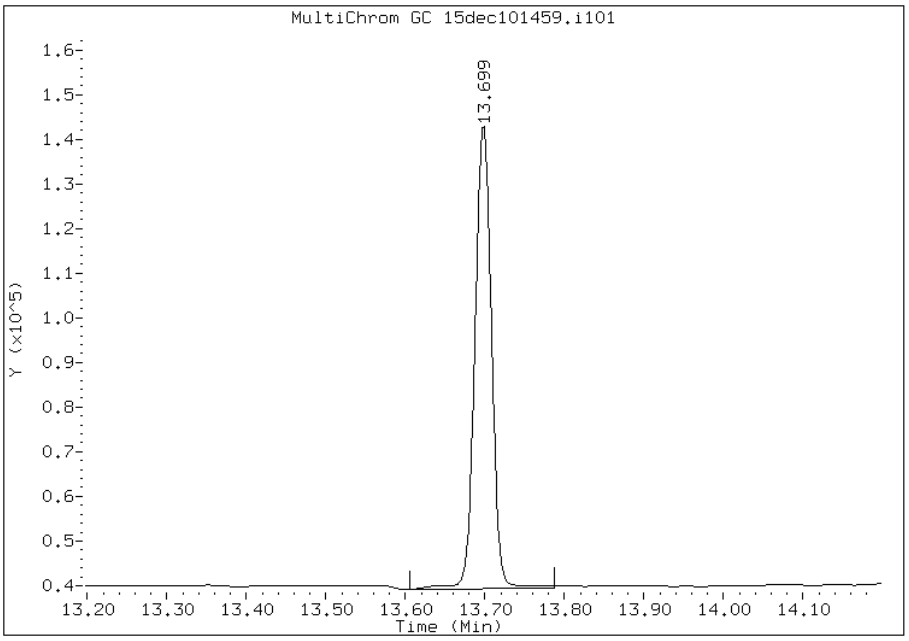
Manual Integration Results

RT: 13.70

Response: 103632

Amount: 77.02

Conc: 77.02



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RFF10-05 | Lab Sample ID: 200-2079-6

Matrix: Tissue | Lab File ID: 05nov101546-r141.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.14(g) | Date Analyzed: 11/05/2010 21:06

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	50	U	50	25
11104-28-2	PCB-1221	50	U	50	25
11141-16-5	PCB-1232	50	U	50	25
53469-21-9	PCB-1242	50	U	50	25
12672-29-6	PCB-1248	50	U	50	25
11097-69-1	PCB-1254	50	U	50	25
11096-82-5	PCB-1260	50	U	50	25
37324-23-5	PCB-1262	50	U	50	25
11100-14-4	PCB-1268	50	U	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	101		30-130
2051-24-3	DCB Decachlorobiphenyl	85		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-6
Client Smp ID: RFF10-05
Inj Date : 05-NOV-2010 21:06
Operator : DPD Inst ID: 7227_1.i
Smp Info : 200-2079-A-6-F
Misc Info : 200-2079-A-6-F
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 11:05 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

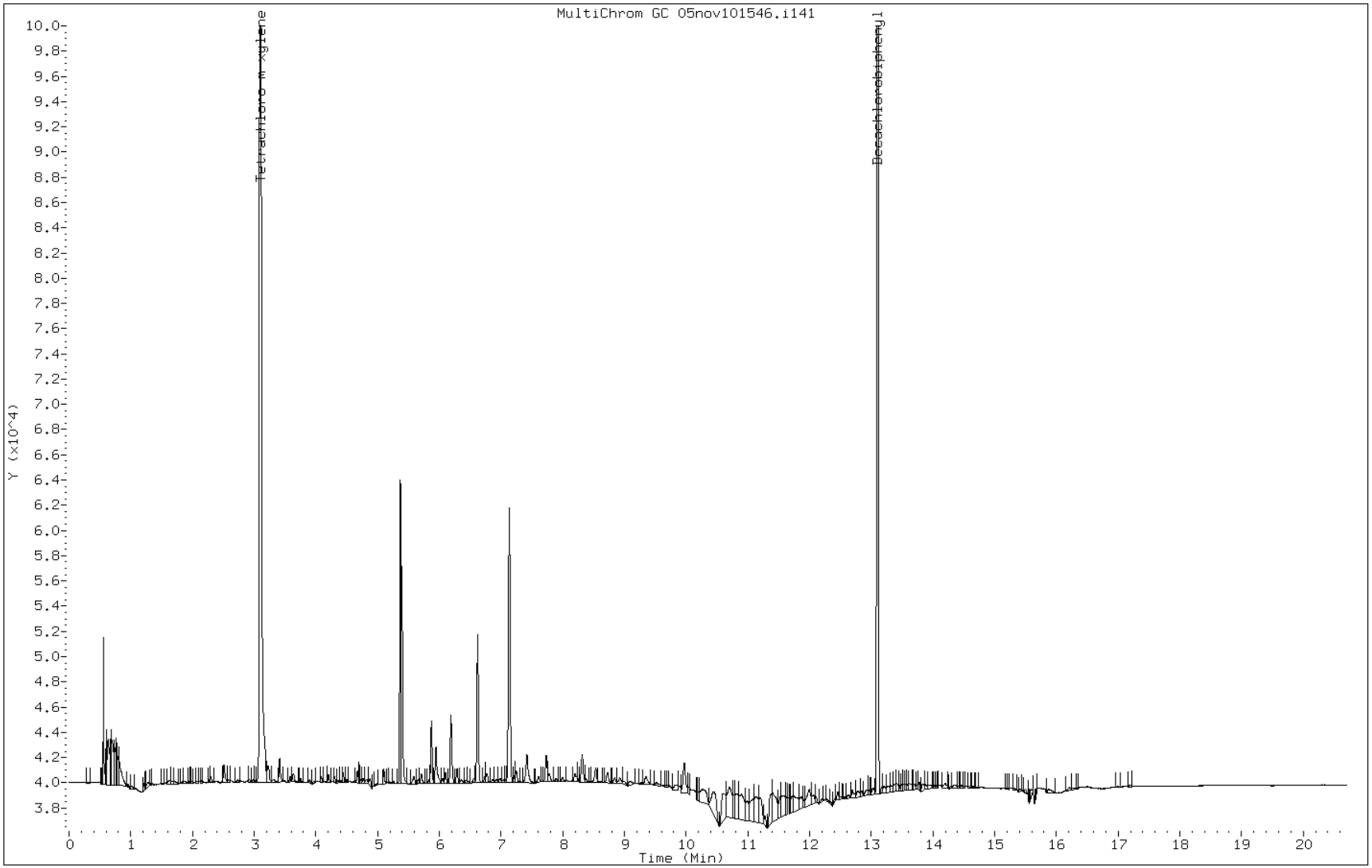
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.101	3.090	0.011	147303	40.4932	40.49	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.098	13.092	0.006	179704	33.9807	33.98	80.00- 120.00	100.00

Data File:	05nov101546-r141.d	Date:	05-NOV-2010 21:06
Client ID:	RFF10-05	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-6-F		
Lab Sample ID:	200-2079-6		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RFF10-05 Lab Sample ID: 200-2079-6

Matrix: Tissue Lab File ID: 05nov101546-r141.d

Analysis Method: 8082 Date Collected: 10/19/2010 17:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.14(g) Date Analyzed: 11/05/2010 21:06

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	98		30-130
2051-24-3	DCB Decachlorobiphenyl	91		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-6
Client Smp ID: RFF10-05
Inj Date : 05-NOV-2010 21:06
Operator : DPD Inst ID: 7227_2.i
Smp Info : 200-2079-A-6-F
Misc Info : 200-2079-A-6-F
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:52 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

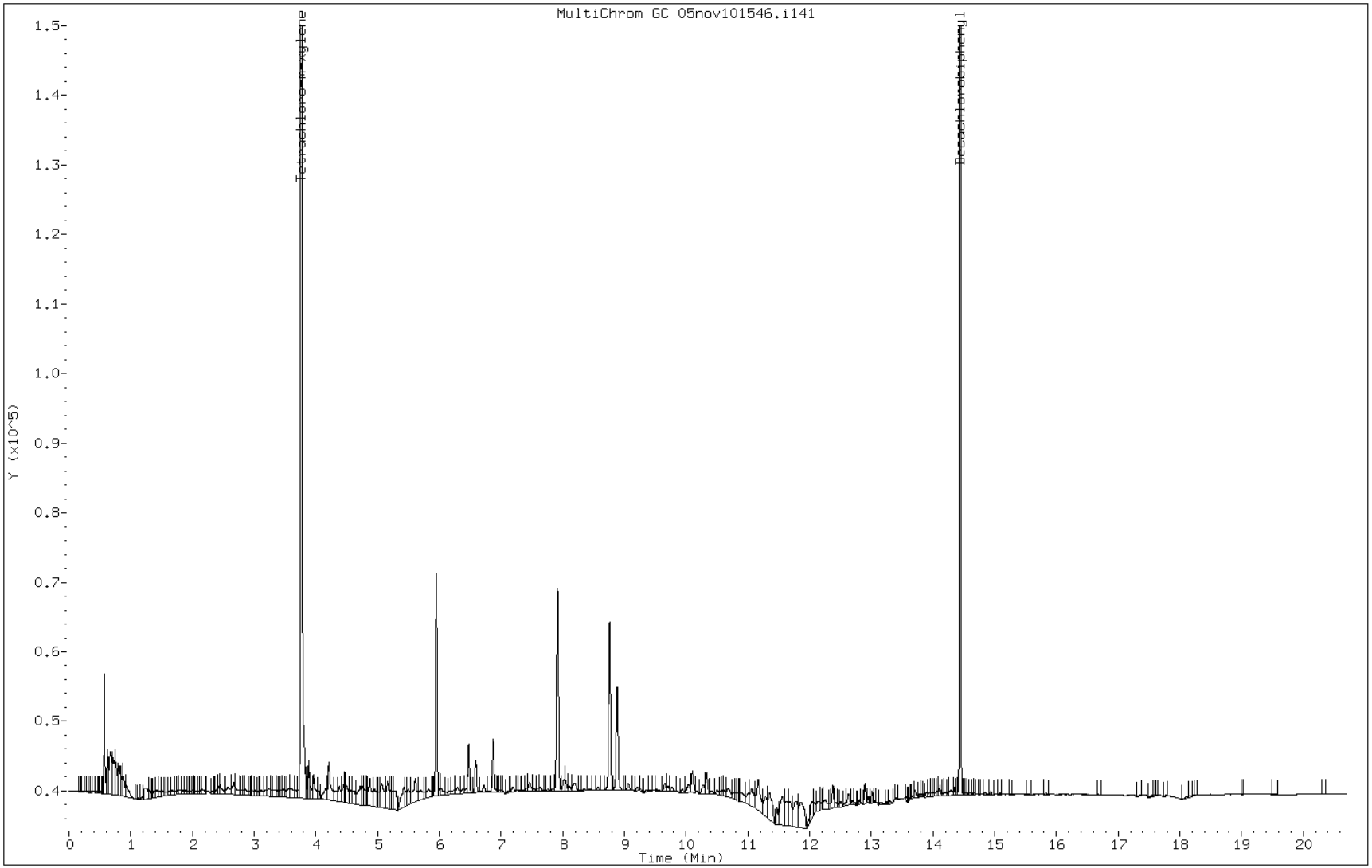
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.762	3.753	0.009	227948	39.2921	39.29	80.00- 120.00	100.00(M)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.439	14.431	0.008	244923	36.3642	36.36	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File:	05nov101546-r141.d	Date:	05-NOV-2010 21:06
Client ID:	RFF10-05	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-6-F		
Lab Sample ID:	200-2079-6		



Manual Integration Report

Data File: 05nov101546-r141.d
Lab Sample ID: 200-2079-6
Inj. Date and Time: 05-NOV-2010 21:06
Instrument ID: 7227_2.i
Client ID: RFF10-05
Compound: 10 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 11/10/2010

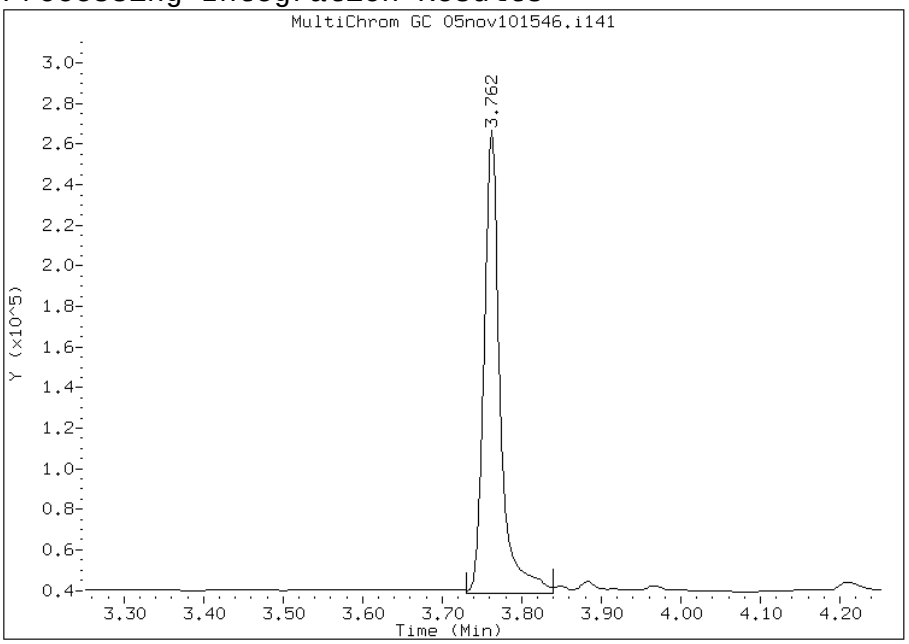
Processing Integration Results

RT: 3.76

Response: 228305

Amount: 39.35

Conc: 39.35



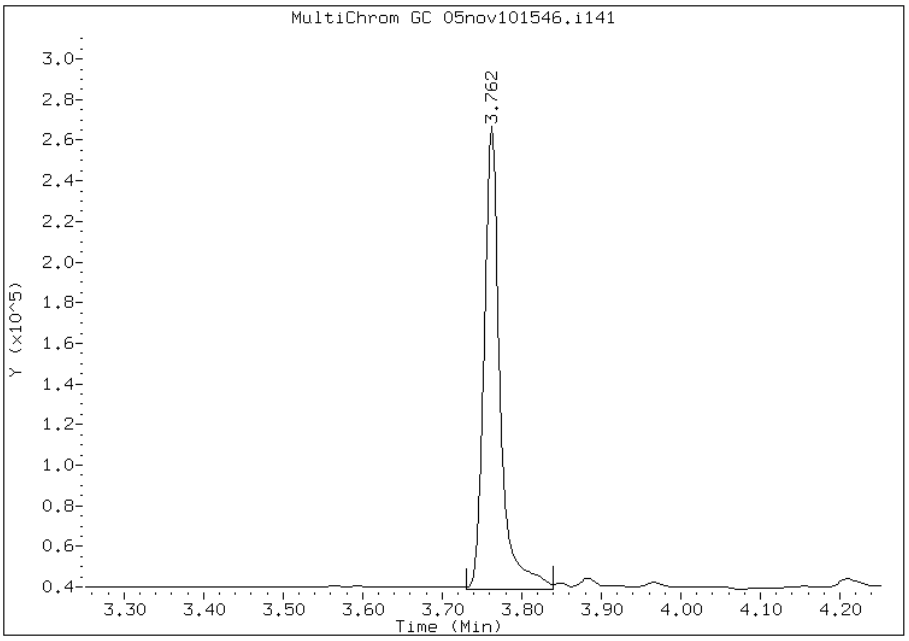
Manual Integration Results

RT: 3.76

Response: 227948

Amount: 39.29

Conc: 39.29



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RFF10-05 RE | Lab Sample ID: 200-2079-6 RE

Matrix: Tissue | Lab File ID: 15dec101459-r121.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.14(g) | Date Analyzed: 12/16/2010 02:04

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	20	U	20	10
11104-28-2	PCB-1221	20	U	20	10
11141-16-5	PCB-1232	20	U	20	10
53469-21-9	PCB-1242	20	U	20	10
12672-29-6	PCB-1248	20	U	20	10
11097-69-1	PCB-1254	20	U	20	10
11096-82-5	PCB-1260	20	U	20	10
37324-23-5	PCB-1262	20	U	20	10
11100-14-4	PCB-1268	20	U	20	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	87	E	30-130
2051-24-3	DCB Decachlorobiphenyl	79		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-6
Client Smp ID: RFF10-05
Inj Date : 16-DEC-2010 02:04
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2079-A-6-I
Misc Info : 200-2079-A-6-I
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 08:03 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

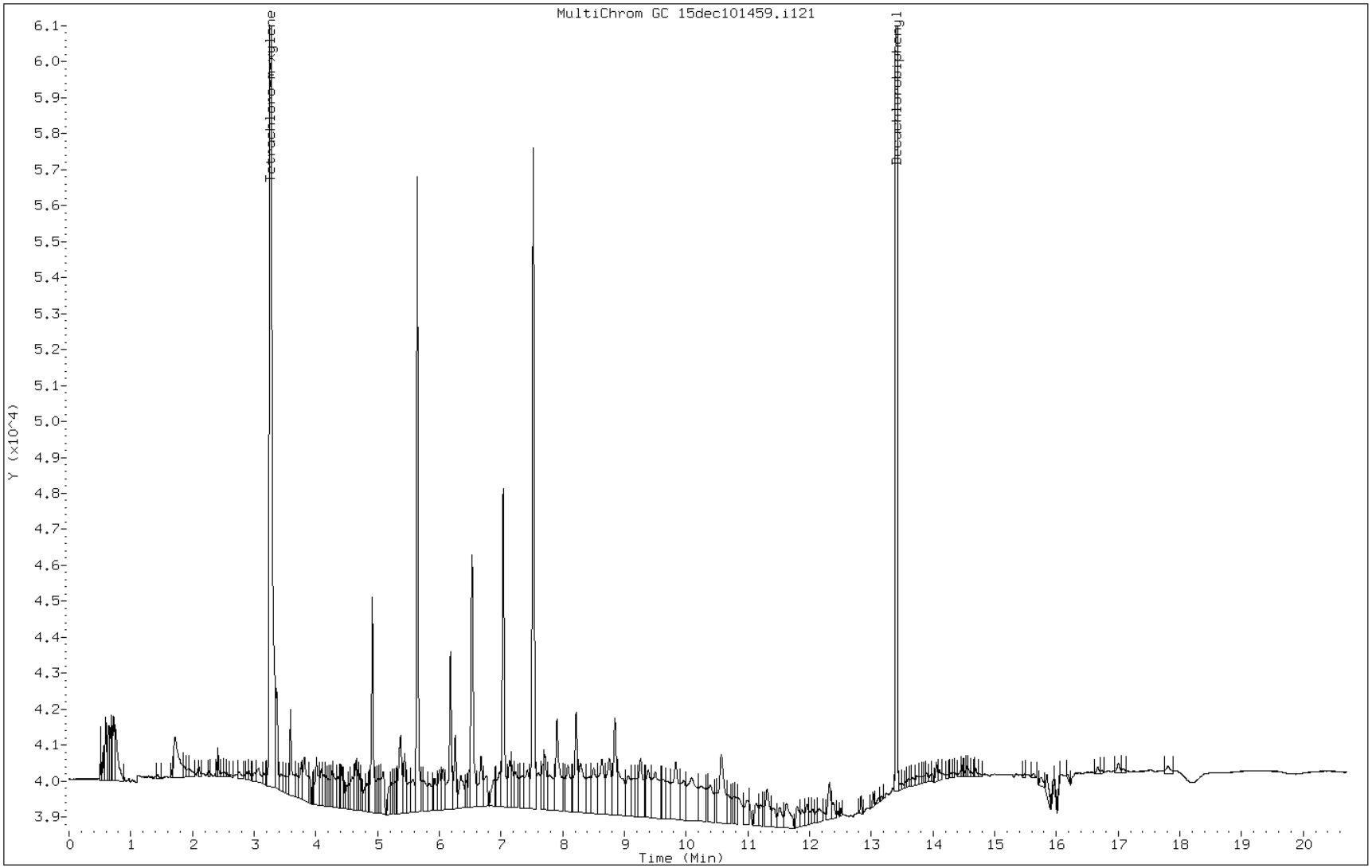
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.263	3.254	0.009	146746	86.5132	86.51	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.409	13.402	0.007	166214	79.4519	79.45	80.00- 120.00	100.00(R)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r121.d	Date:	16-DEC-2010 02:04
Client ID:	RFF10-05	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-6-I		
Lab Sample ID:	200-2079-6		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RFF10-05 RE | Lab Sample ID: 200-2079-6 RE

Matrix: Tissue | Lab File ID: 15dec101459-r121.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.14(g) | Date Analyzed: 12/16/2010 02:04

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-35 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	84	*E*	30-130
2051-24-3	DCB Decachlorobiphenyl	81	E	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-6
Client Smp ID: RFF10-05
Inj Date : 16-DEC-2010 02:04
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2079-A-6-I
Misc Info : 200-2079-A-6-I
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 09:00 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

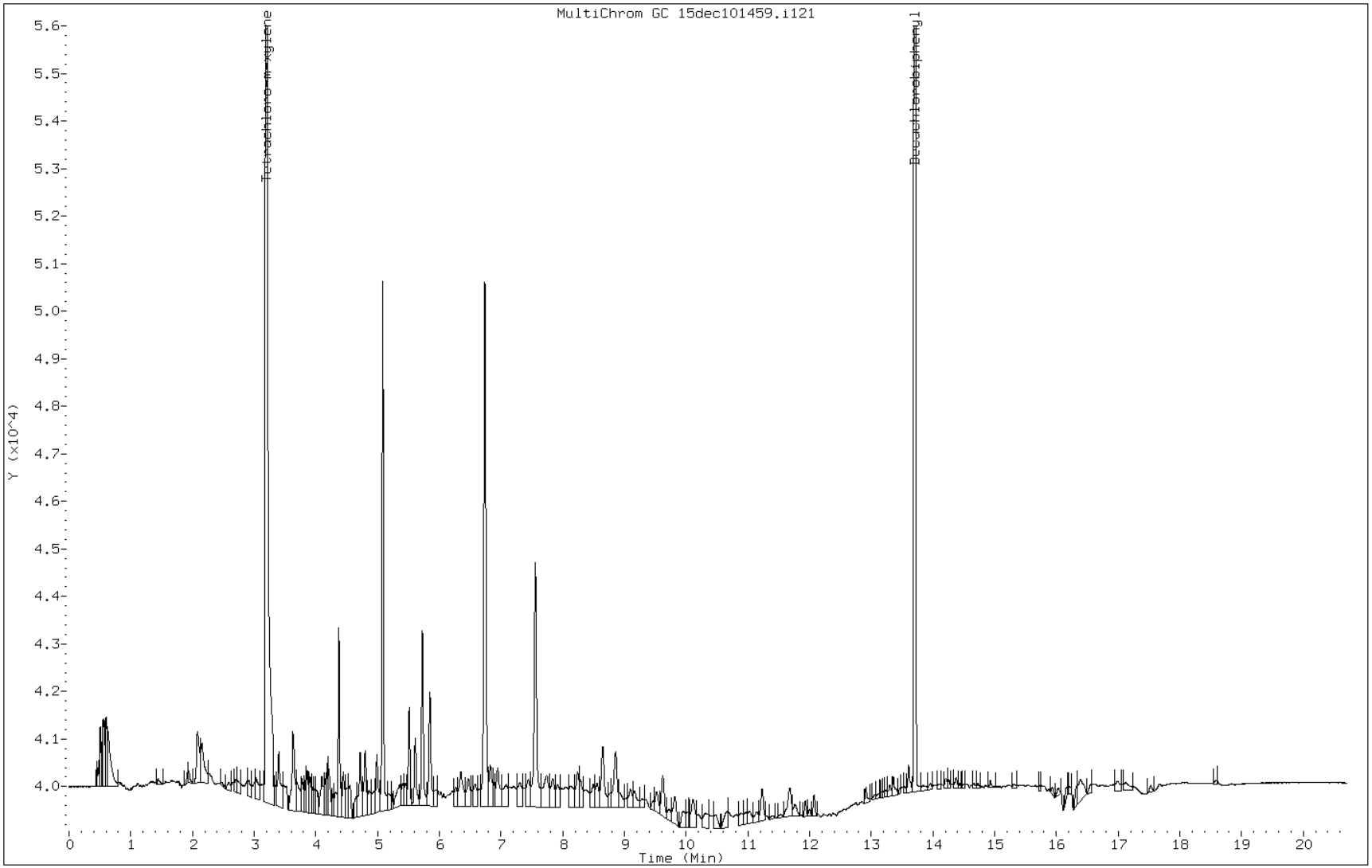
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.199	3.190	0.009	95593	83.5682	83.57	80.00- 120.00	100.00(ARM)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.706	13.699	0.007	109175	81.1363	81.14	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r121.d	Date:	16-DEC-2010 02:04
Client ID:	RFF10-05	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-6-I		
Lab Sample ID:	200-2079-6		



Manual Integration Report

Data File: 15dec101459-r121.d
Lab Sample ID: 200-2079-6
Inj. Date and Time: 16-DEC-2010 02:04
Instrument ID: 3283_2.i
Client ID: RFF10-05
Compound: 10 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 12/16/2010

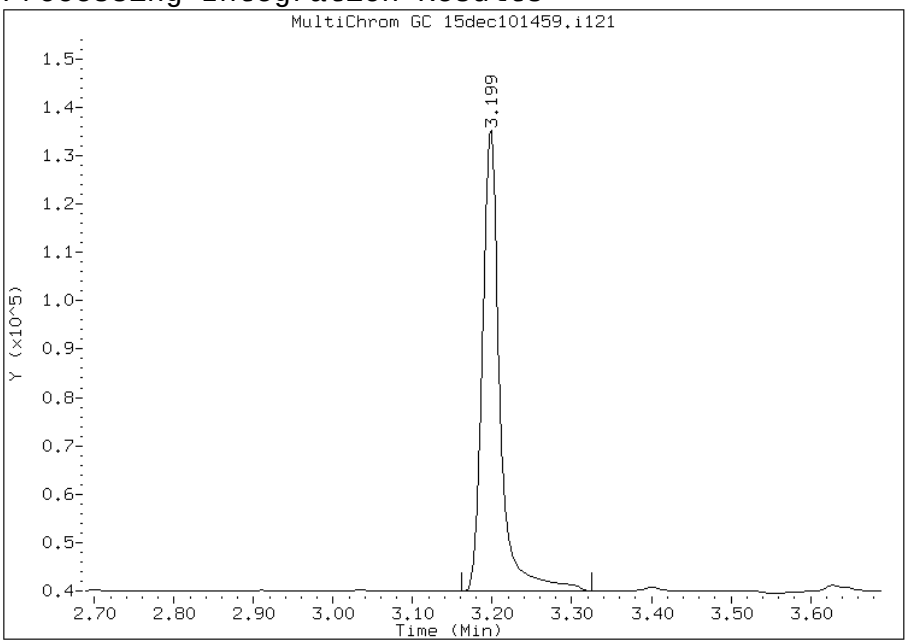
Processing Integration Results

RT: 3.20

Response: 95303

Amount: 83.31

Conc: 83.31



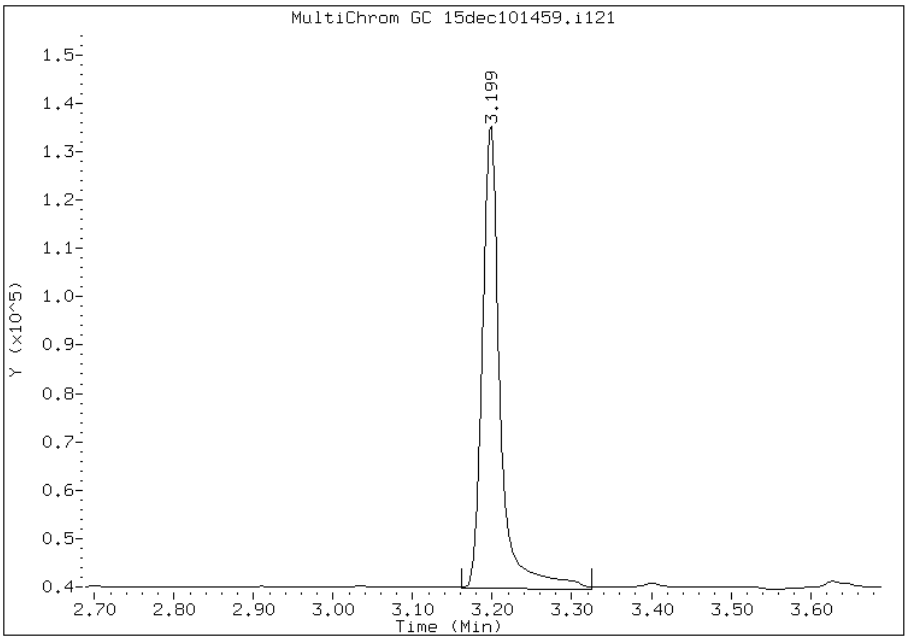
Manual Integration Results

RT: 3.20

Response: 95593

Amount: 83.57

Conc: 83.57



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RBC10-02 | Lab Sample ID: 200-2079-7

Matrix: Tissue | Lab File ID: 05nov101546-r151.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.29(g) | Date Analyzed: 11/05/2010 21:30

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	50	U	50	25
11104-28-2	PCB-1221	50	U	50	25
11141-16-5	PCB-1232	50	U	50	25
53469-21-9	PCB-1242	50	U	50	25
12672-29-6	PCB-1248	50	U	50	25
11097-69-1	PCB-1254	50	U	50	25
11096-82-5	PCB-1260	50	U	50	25
37324-23-5	PCB-1262	50	U	50	25
11100-14-4	PCB-1268	50	U	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	100		30-130
2051-24-3	DCB Decachlorobiphenyl	87		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-7
Client Smp ID: RBC10-02
Inj Date : 05-NOV-2010 21:30
Operator : DPD Inst ID: 7227_1.i
Smp Info : 200-2079-A-7-F
Misc Info : 200-2079-A-7-F
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 11:05 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

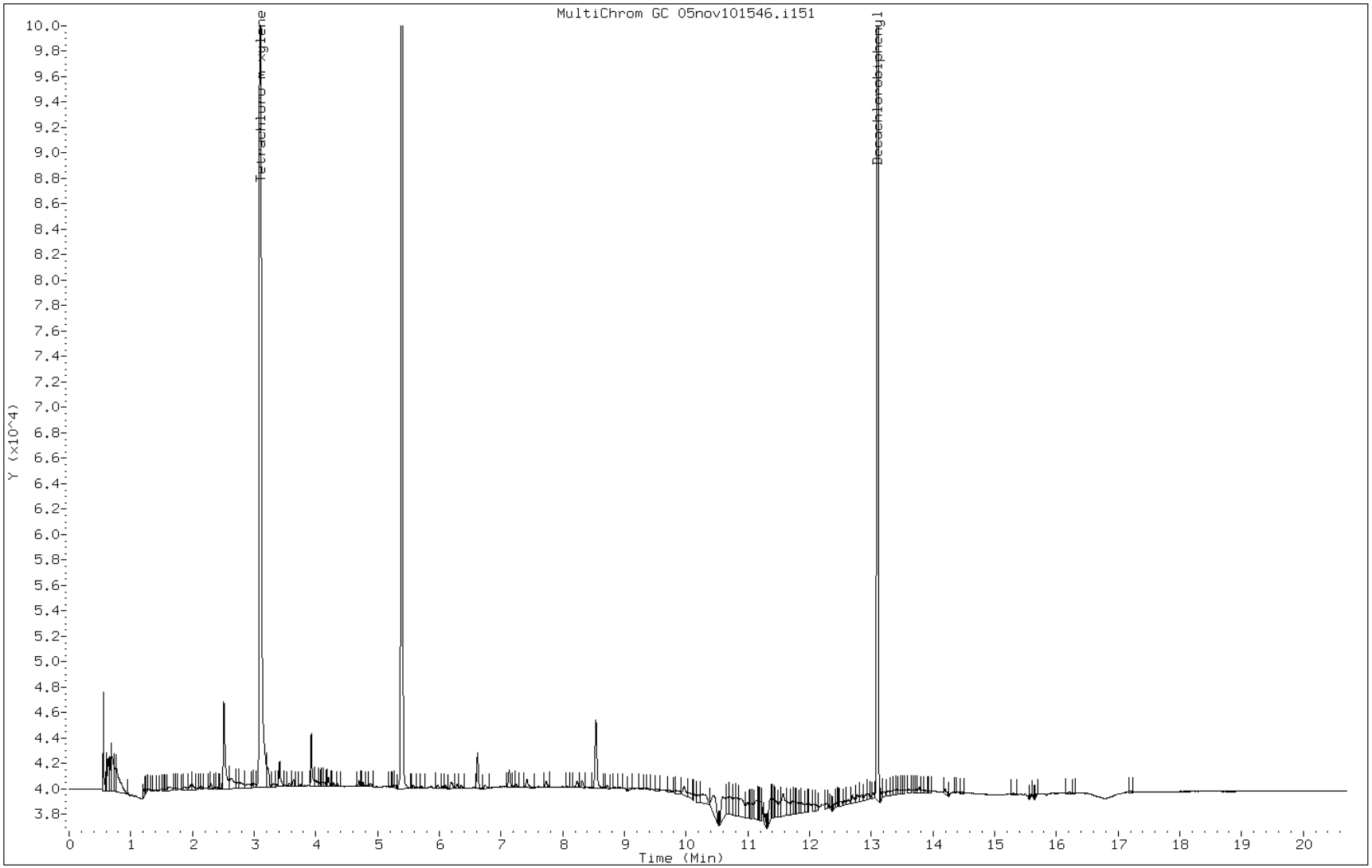
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.101	3.090	0.011	145729	40.0605	40.06	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.098	13.092	0.006	183958	34.7851	34.79	80.00- 120.00	100.00

Data File:	05nov101546-r151.d	Date:	05-NOV-2010 21:30
Client ID:	RBC10-02	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-7-F		
Lab Sample ID:	200-2079-7		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RBC10-02 Lab Sample ID: 200-2079-7

Matrix: Tissue Lab File ID: 05nov101546-r151.d

Analysis Method: 8082 Date Collected: 10/19/2010 17:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.29(g) Date Analyzed: 11/05/2010 21:30

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	96		30-130
2051-24-3	DCB Decachlorobiphenyl	86		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-7
Client Smp ID: RBC10-02
Inj Date : 05-NOV-2010 21:30
Operator : DPD Inst ID: 7227_2.i
Smp Info : 200-2079-A-7-F
Misc Info : 200-2079-A-7-F
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:52 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

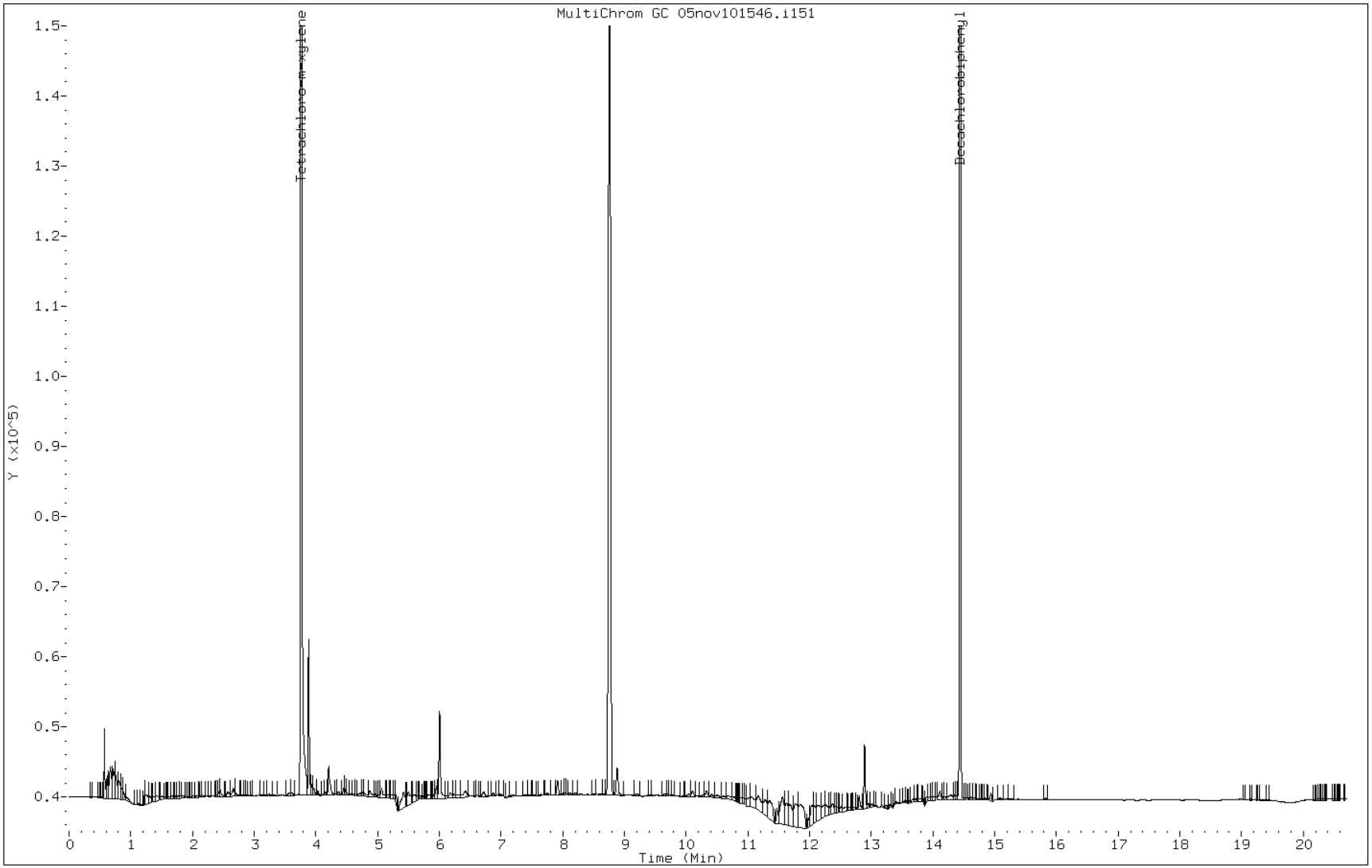
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.762	3.753	0.009	221530	38.1858	38.19	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.439	14.431	0.008	230794	34.2665	34.27	80.00- 120.00	100.00

Data File:	05nov101546-r151.d	Date:	05-NOV-2010 21:30
Client ID:	RBC10-02	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-7-F		
Lab Sample ID:	200-2079-7		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RBC10-02 RE | Lab Sample ID: 200-2079-7 RE

Matrix: Tissue | Lab File ID: 15dec101459-r131.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.29(g) | Date Analyzed: 12/16/2010 02:29

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	20	U	20	9.9
11104-28-2	PCB-1221	20	U	20	9.9
11141-16-5	PCB-1232	20	U	20	9.9
53469-21-9	PCB-1242	20	U	20	9.9
12672-29-6	PCB-1248	20	U	20	9.9
11097-69-1	PCB-1254	20	U	20	9.9
11096-82-5	PCB-1260	20	U	20	9.9
37324-23-5	PCB-1262	20	U	20	9.9
11100-14-4	PCB-1268	20	U	20	9.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	91	E	30-130
2051-24-3	DCB Decachlorobiphenyl	85	*E*	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-7
Client Smp ID: RBC10-02
Inj Date : 16-DEC-2010 02:29
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2079-A-7-I
Misc Info : 200-2079-A-7-I
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 08:03 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

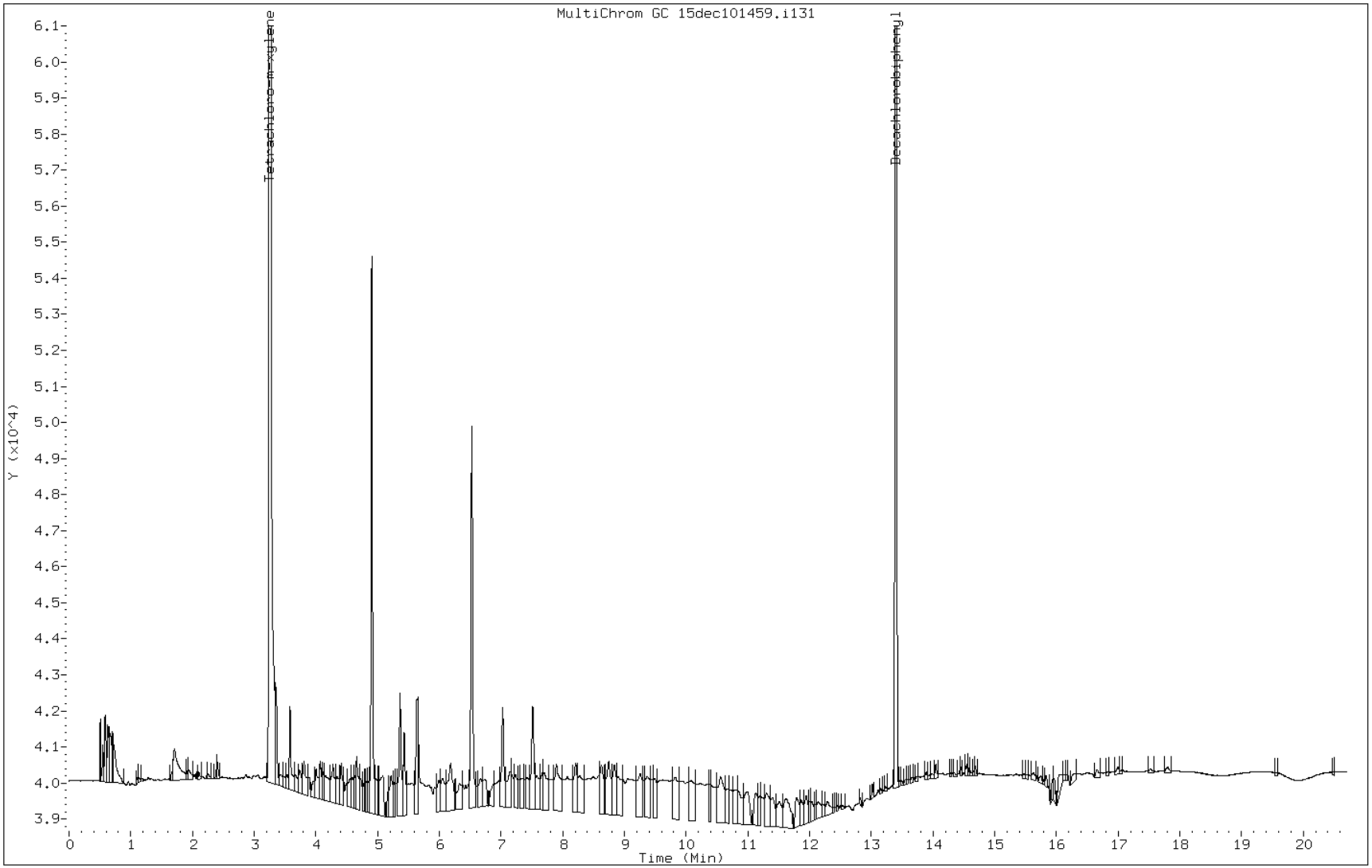
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.254	3.254	0.000	154901	91.3209	91.32	80.00- 120.00	100.00(ARM)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.400	13.402	-0.002	178446	85.2989	85.30	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r131.d	Date:	16-DEC-2010 02:29
Client ID:	RBC10-02	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-7-I		
Lab Sample ID:	200-2079-7		



Manual Integration Report

Data File: 15dec101459-r131.d
Lab Sample ID: 200-2079-7
Inj. Date and Time: 16-DEC-2010 02:29
Instrument ID: 3283_1.i
Client ID: RBC10-02
Compound: 10 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 12/16/2010

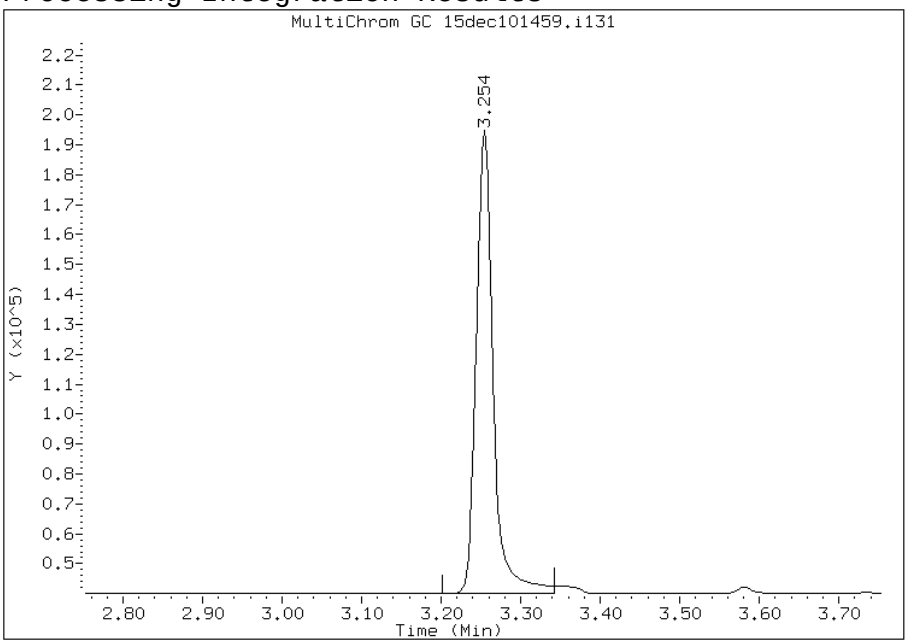
Processing Integration Results

RT: 3.25

Response: 154817

Amount: 91.27

Conc: 91.27



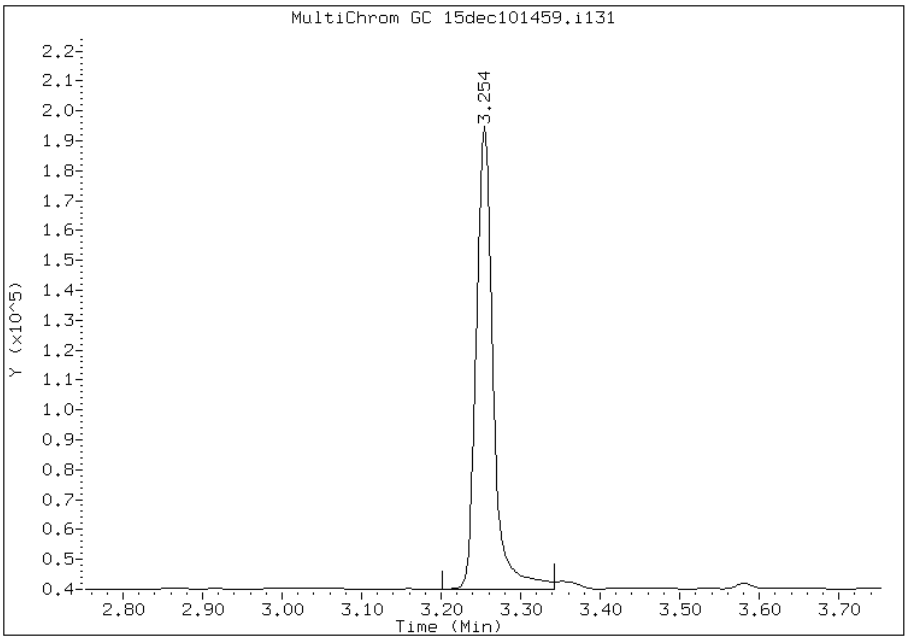
Manual Integration Results

RT: 3.25

Response: 154901

Amount: 91.32

Conc: 91.32



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RBC10-02 RE | Lab Sample ID: 200-2079-7 RE

Matrix: Tissue | Lab File ID: 15dec101459-r131.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.29(g) | Date Analyzed: 12/16/2010 02:29

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-35 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	88	*E*	30-130
2051-24-3	DCB Decachlorobiphenyl	86	E	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-7
Client Smp ID: RBC10-02
Inj Date : 16-DEC-2010 02:29
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2079-A-7-I
Misc Info : 200-2079-A-7-I
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 09:00 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

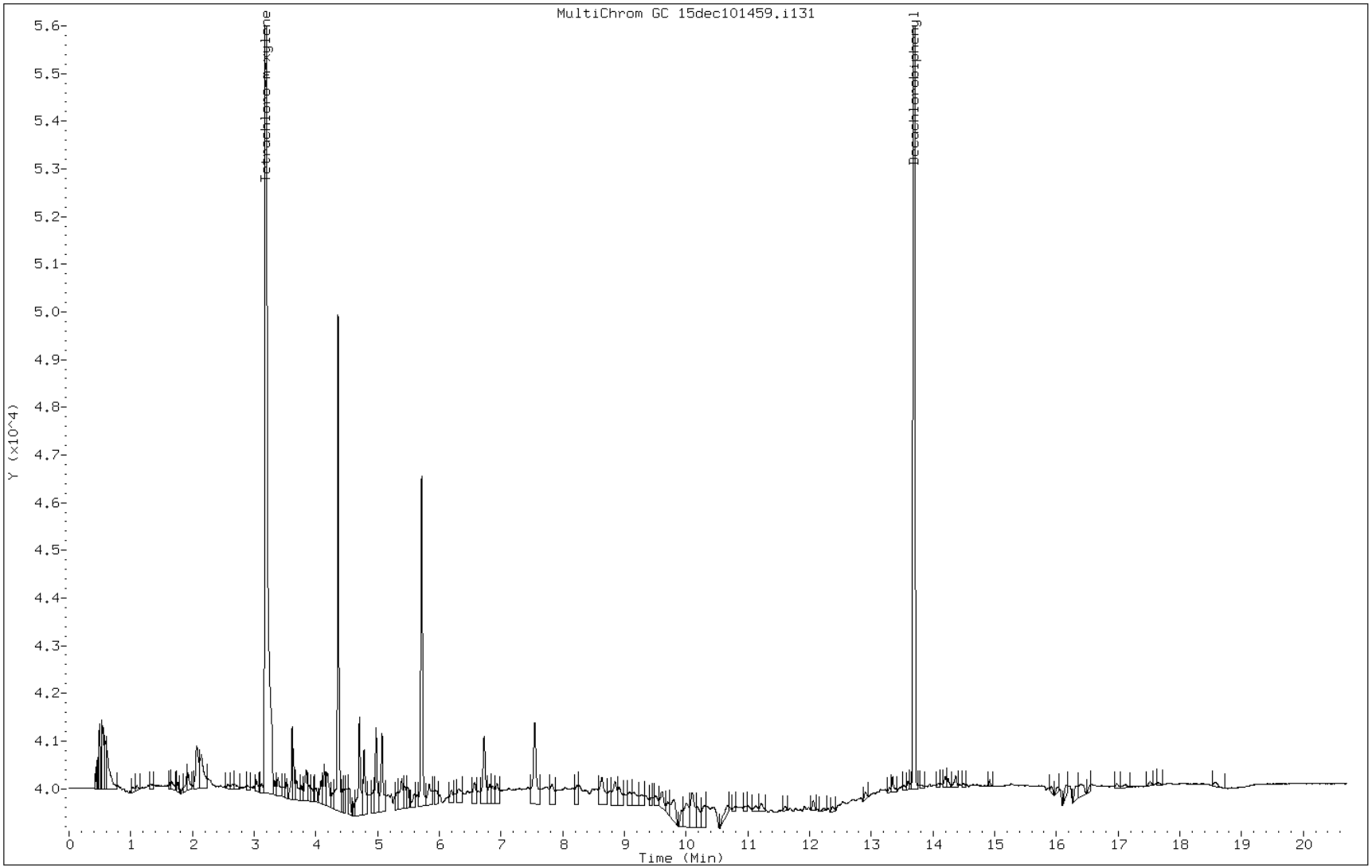
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.185	3.190	-0.005	100735	88.0633	88.06	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.692	13.699	-0.007	116071	86.2613	86.26	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r131.d	Date:	16-DEC-2010 02:29
Client ID:	RBC10-02	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-7-I		
Lab Sample ID:	200-2079-7		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RBC10-01 | Lab Sample ID: 200-2079-8

Matrix: Tissue | Lab File ID: 05nov101546-r161.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.27(g) | Date Analyzed: 11/05/2010 21:54

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	50	U	50	25
11104-28-2	PCB-1221	50	U	50	25
11141-16-5	PCB-1232	50	U	50	25
53469-21-9	PCB-1242	50	U	50	25
12672-29-6	PCB-1248	50	U	50	25
11097-69-1	PCB-1254	50	U	50	25
11096-82-5	PCB-1260	50	U	50	25
37324-23-5	PCB-1262	50	U	50	25
11100-14-4	PCB-1268	50	U	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	101		30-130
2051-24-3	DCB Decachlorobiphenyl	91		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-8
Client Smp ID: RBC10-01
Inj Date : 05-NOV-2010 21:54
Operator : DPD Inst ID: 7227_1.i
Smp Info : 200-2079-A-8-F
Misc Info : 200-2079-A-8-F
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 11:05 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

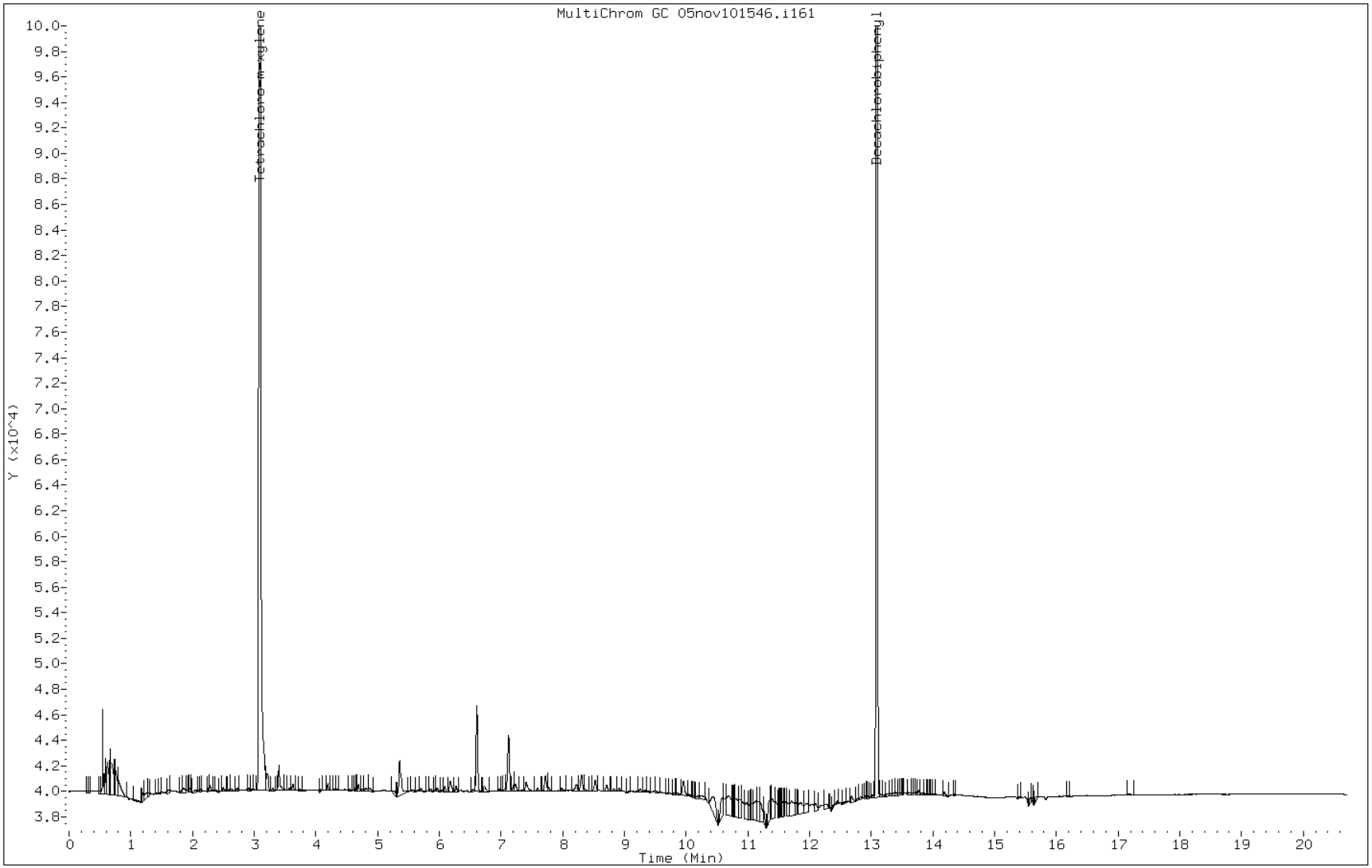
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.090	3.090	0.000	146527	40.2799	40.28	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.087	13.092	-0.005	192269	36.3566	36.36	80.00- 120.00	100.00

Data File:	05nov101546-r161.d	Date:	05-NOV-2010 21:54
Client ID:	RBC10-01	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-8-F		
Lab Sample ID:	200-2079-8		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RBC10-01 Lab Sample ID: 200-2079-8

Matrix: Tissue Lab File ID: 05nov101546-r161.d

Analysis Method: 8082 Date Collected: 10/19/2010 17:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.27(g) Date Analyzed: 11/05/2010 21:54

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	97		30-130
2051-24-3	DCB Decachlorobiphenyl	89		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-8
Client Smp ID: RBC10-01
Inj Date : 05-NOV-2010 21:54
Operator : DPD Inst ID: 7227_2.i
Smp Info : 200-2079-A-8-F
Misc Info : 200-2079-A-8-F
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:52 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

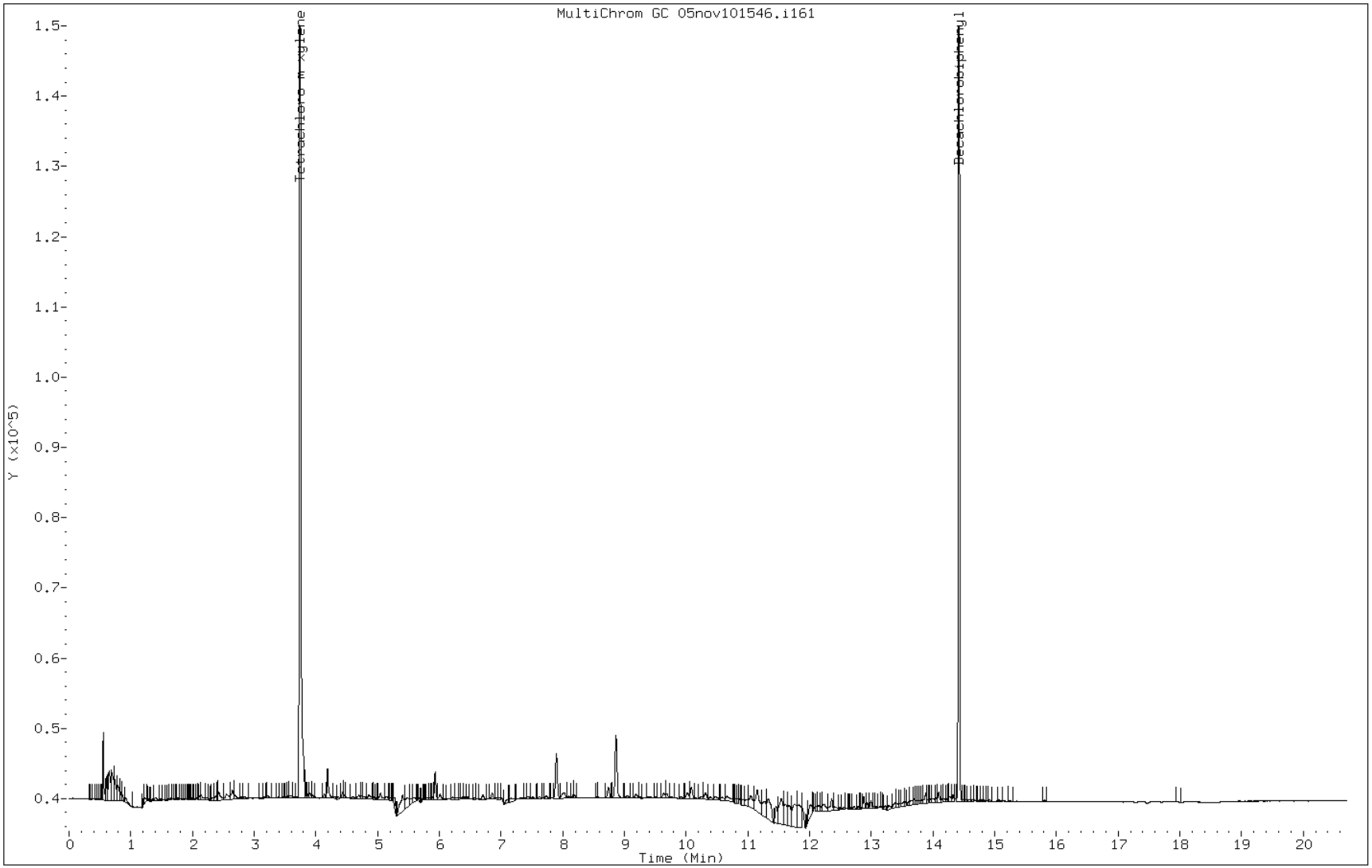
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.744	3.753	-0.009	223913	38.5965	38.60	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.419	14.431	-0.012	240333	35.6827	35.68	80.00- 120.00	100.00

Data File:	05nov101546-r161.d	Date:	05-NOV-2010 21:54
Client ID:	RBC10-01	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-8-F		
Lab Sample ID:	200-2079-8		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RBC10-01 RE | Lab Sample ID: 200-2079-8 RE

Matrix: Tissue | Lab File ID: 15dec101459-r141.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.27(g) | Date Analyzed: 12/16/2010 02:54

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	20	U	20	9.9
11104-28-2	PCB-1221	20	U	20	9.9
11141-16-5	PCB-1232	20	U	20	9.9
53469-21-9	PCB-1242	20	U	20	9.9
12672-29-6	PCB-1248	20	U	20	9.9
11097-69-1	PCB-1254	20	U	20	9.9
11096-82-5	PCB-1260	20	U	20	9.9
37324-23-5	PCB-1262	20	U	20	9.9
11100-14-4	PCB-1268	20	U	20	9.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	96	E	30-130
2051-24-3	DCB Decachlorobiphenyl	79		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-8
Lab Smp Id: 200-2079-A-8-I
Inj Date : 16-DEC-2010 02:54
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2079-A-8-I
Misc Info :
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 10:48 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

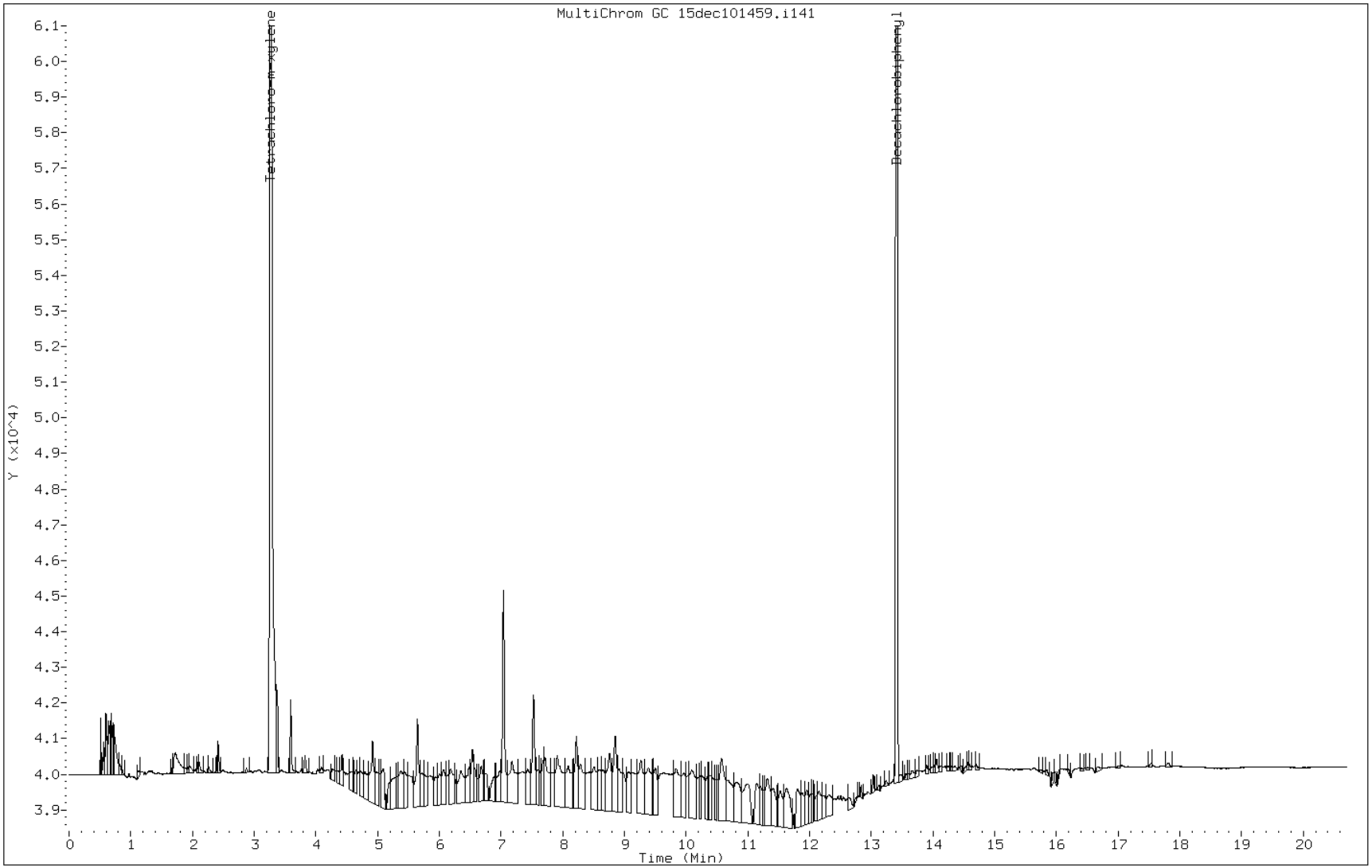
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.267	3.254	0.013	162939	96.0596	96.06	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.411	13.402	0.009	164375	78.5729	78.57	80.00- 120.00	100.00(R)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r141.d	Date:	16-DEC-2010 02:54
Client ID:		Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-8-I		
Lab Sample ID:	200-2079-8		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RBC10-01 RE Lab Sample ID: 200-2079-8 RE

Matrix: Tissue Lab File ID: 15dec101459-r141.d

Analysis Method: 8082 Date Collected: 10/19/2010 17:00

Extraction Method: In-House Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.27(g) Date Analyzed: 12/16/2010 02:54

Con. Extract Vol.: 4000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	92	*E*	30-130
2051-24-3	DCB Decachlorobiphenyl	93	E	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-8
Lab Smp Id: 200-2079-A-8-I
Inj Date : 16-DEC-2010 02:54
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2079-A-8-I
Misc Info :
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 10:49 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

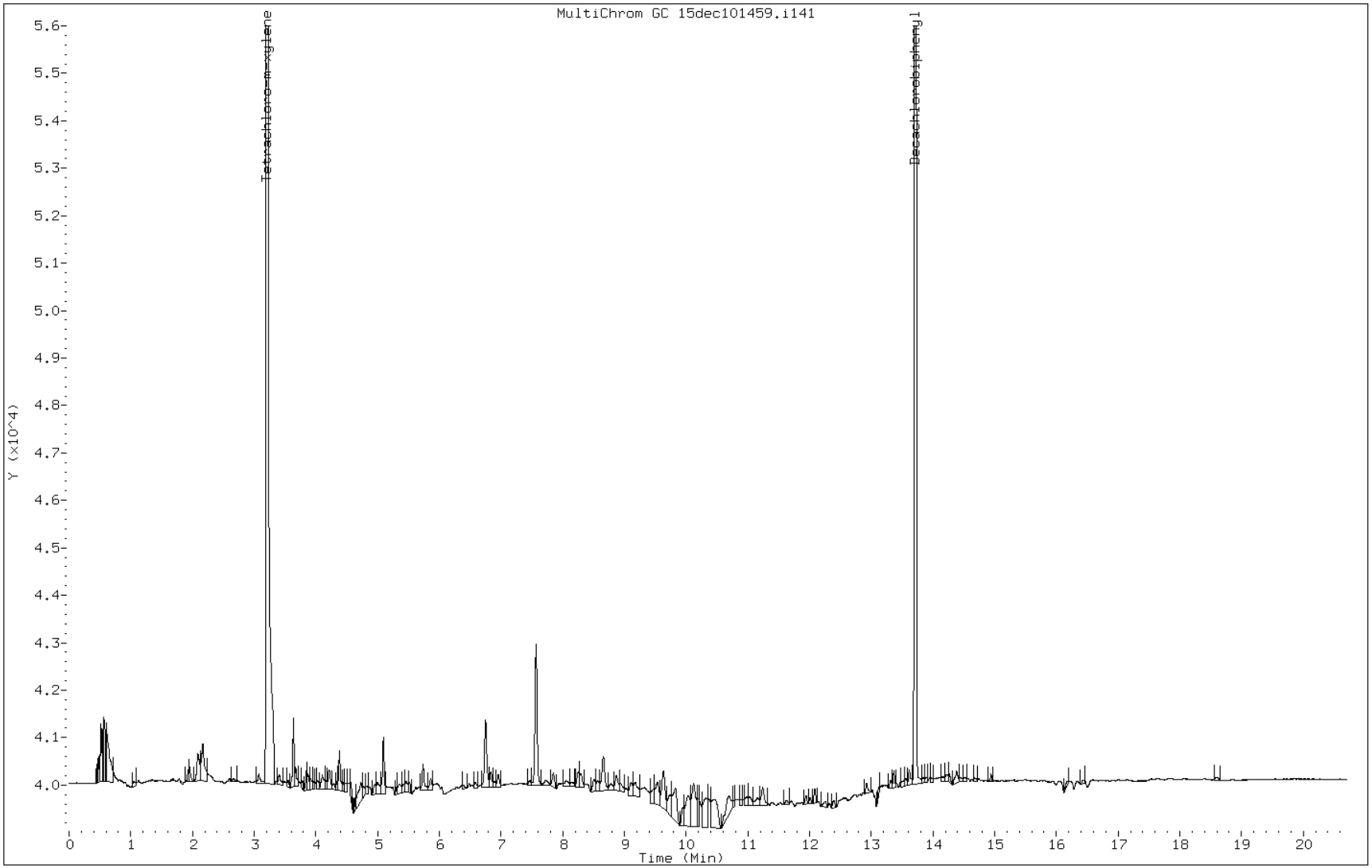
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.208	3.190	0.018	105501	92.2298	92.23	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.715	13.699	0.016	125429	93.2159	93.22	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r141.d	Date:	16-DEC-2010 02:54
Client ID:		Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-8-I		
Lab Sample ID:	200-2079-8		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RFF10-04 | Lab Sample ID: 200-2079-9

Matrix: Tissue | Lab File ID: 05nov101546-r171.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 9.99(g) | Date Analyzed: 11/05/2010 22:19

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	51	U	51	26
11104-28-2	PCB-1221	51	U	51	26
11141-16-5	PCB-1232	51	U	51	26
53469-21-9	PCB-1242	51	U	51	26
12672-29-6	PCB-1248	51	U	51	26
11097-69-1	PCB-1254	51	U	51	26
11096-82-5	PCB-1260	51	U	51	26
37324-23-5	PCB-1262	51	U	51	26
11100-14-4	PCB-1268	51	U	51	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	85		30-130
2051-24-3	DCB Decachlorobiphenyl	74		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-9
Client Smp ID: RFF10-04
Inj Date : 05-NOV-2010 22:19
Operator : DPD Inst ID: 7227_1.i
Smp Info : 200-2079-A-9-F
Misc Info : 200-2079-A-9-F
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 11:05 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

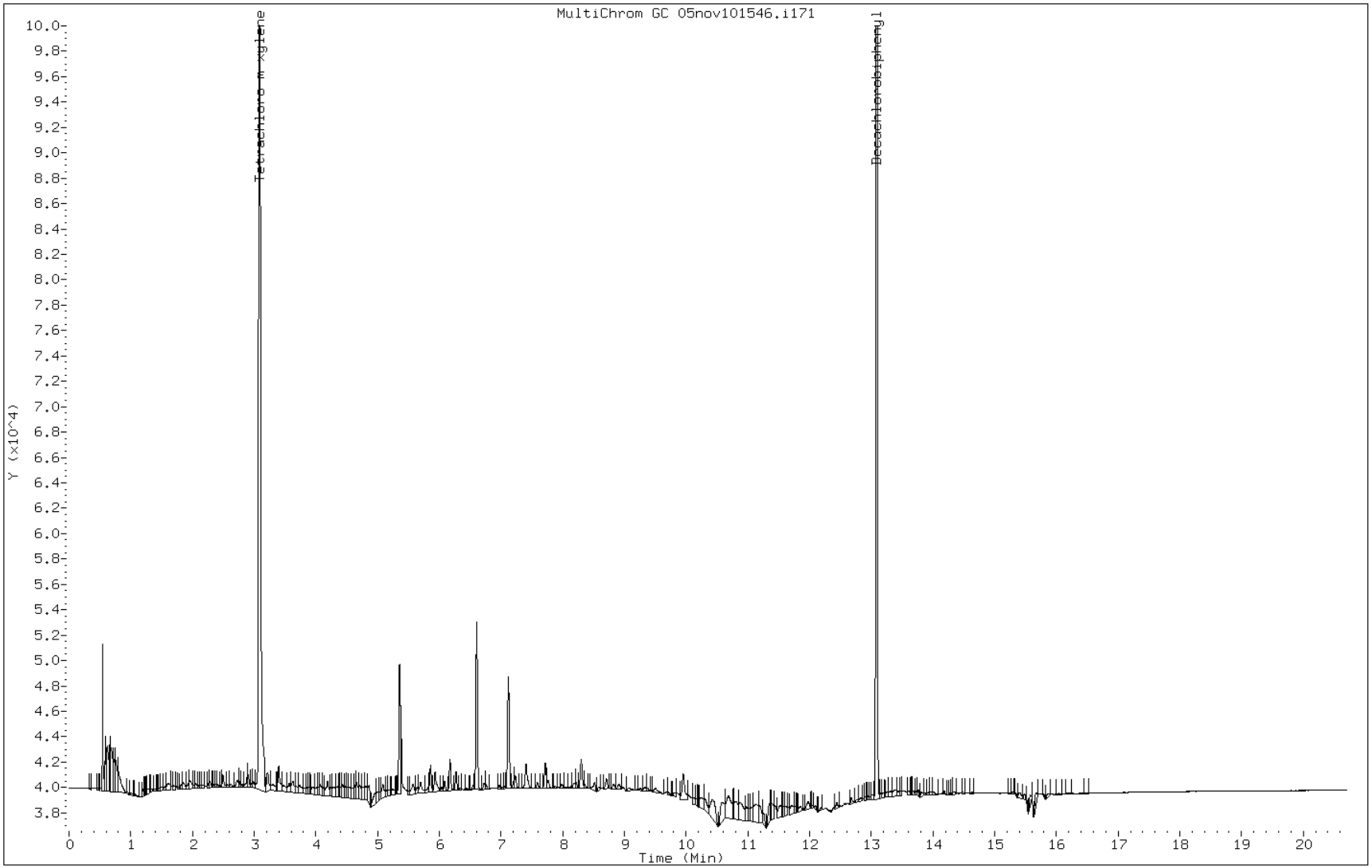
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.088	3.090	-0.002	123791	34.0298	34.03	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.085	13.092	-0.007	156106	29.5185	29.52	80.00- 120.00	100.00

Data File:	05nov101546-r171.d	Date:	05-NOV-2010 22:19
Client ID:	RFF10-04	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-9-F		
Lab Sample ID:	200-2079-9		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RFF10-04 Lab Sample ID: 200-2079-9

Matrix: Tissue Lab File ID: 05nov101546-r171.d

Analysis Method: 8082 Date Collected: 10/19/2010 17:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 9.99(g) Date Analyzed: 11/05/2010 22:19

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	84		30-130
2051-24-3	DCB Decachlorobiphenyl	76		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-9
Client Smp ID: RFF10-04
Inj Date : 05-NOV-2010 22:19
Operator : DPD Inst ID: 7227_2.i
Smp Info : 200-2079-A-9-F
Misc Info : 200-2079-A-9-F
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:52 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

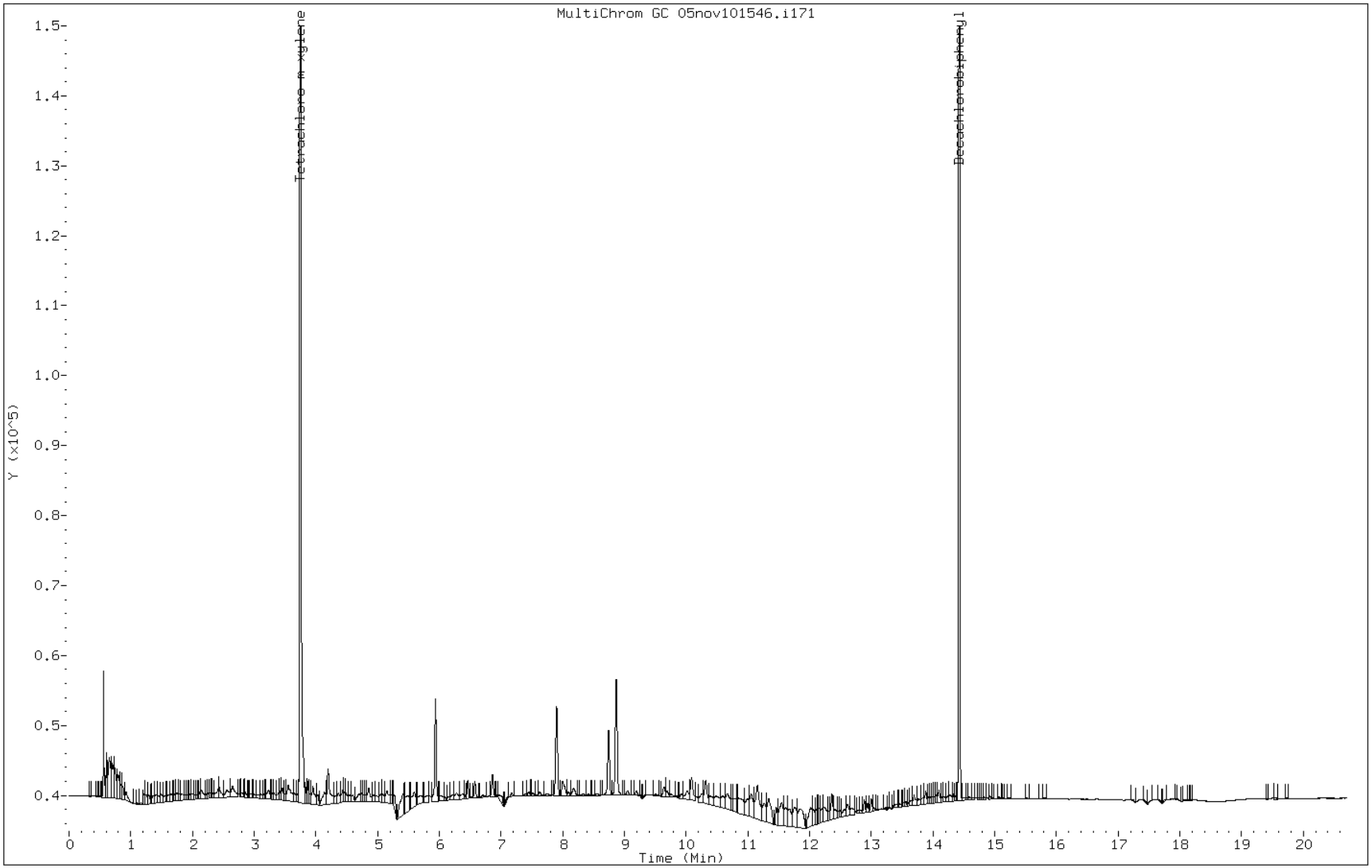
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.748	3.753	-0.005	193821	33.4095	33.41	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.424	14.431	-0.007	204332	30.3376	30.34	80.00- 120.00	100.00

Data File:	05nov101546-r171.d	Date:	05-NOV-2010 22:19
Client ID:	RFF10-04	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-9-F		
Lab Sample ID:	200-2079-9		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RFF10-04 RE | Lab Sample ID: 200-2079-9 RE

Matrix: Tissue | Lab File ID: 15dec101459-r151.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 9.99(g) | Date Analyzed: 12/16/2010 03:19

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	20	U	20	10
11104-28-2	PCB-1221	20	U	20	10
11141-16-5	PCB-1232	20	U	20	10
53469-21-9	PCB-1242	20	U	20	10
12672-29-6	PCB-1248	20	U	20	10
11097-69-1	PCB-1254	20	U	20	10
11096-82-5	PCB-1260	20	U	20	10
37324-23-5	PCB-1262	20	U	20	10
11100-14-4	PCB-1268	20	U	20	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	86	E	30-130
2051-24-3	DCB Decachlorobiphenyl	77		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-9
Client Smp ID: RFF10-04
Inj Date : 16-DEC-2010 03:19
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2079-A-9-I
Misc Info : 200-2079-A-9-I
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 08:03 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

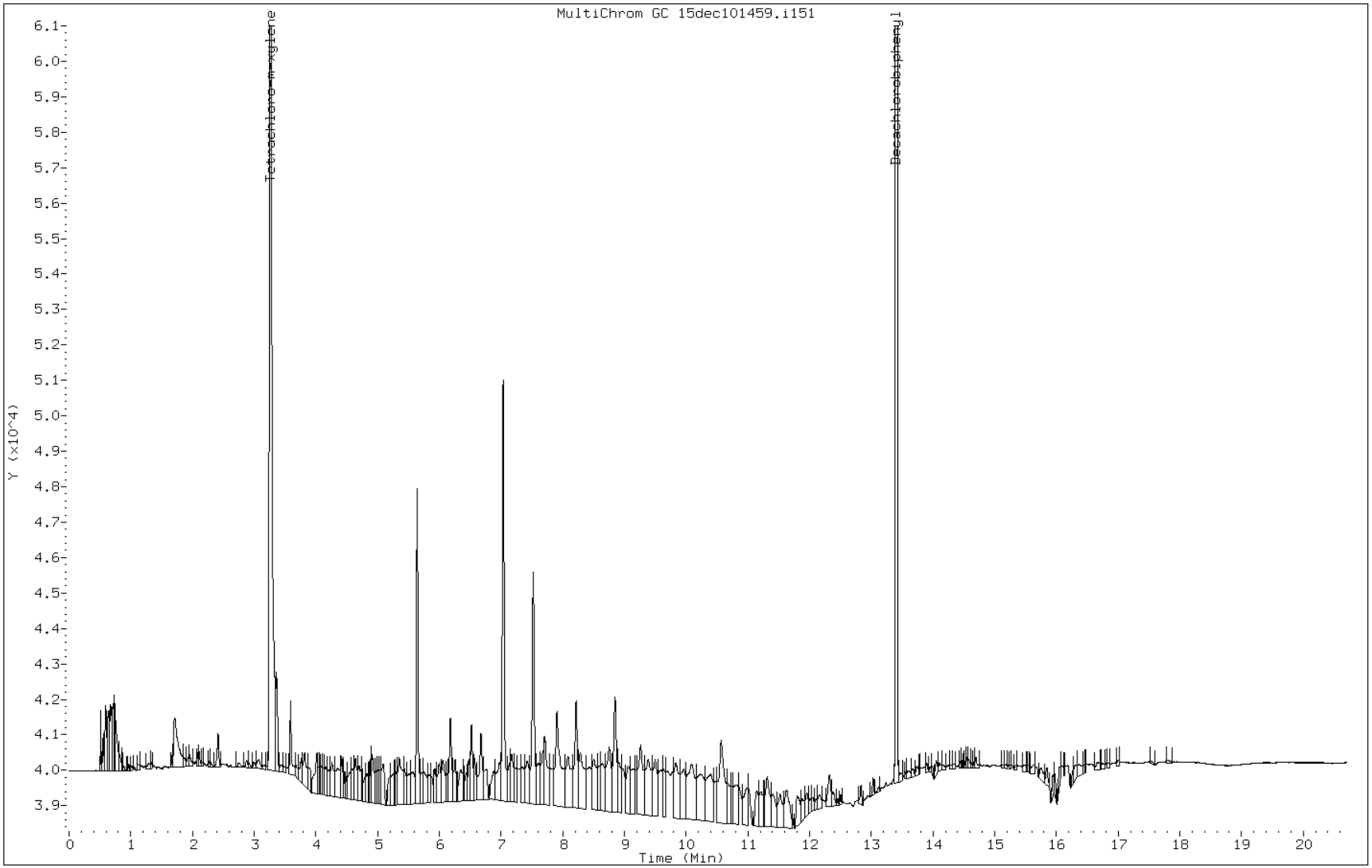
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.263	3.254	0.009	145926	86.0297	86.03	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.406	13.402	0.004	161933	77.4056	77.41	80.00- 120.00	100.00(R)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r151.d	Date:	16-DEC-2010 03:19
Client ID:	RFF10-04	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-9-I		
Lab Sample ID:	200-2079-9		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RFF10-04 RE | Lab Sample ID: 200-2079-9 RE

Matrix: Tissue | Lab File ID: 15dec101459-r151.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 9.99(g) | Date Analyzed: 12/16/2010 03:19

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-35 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	84	*E*	30-130
2051-24-3	DCB Decachlorobiphenyl	81	E	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-9
Client Smp ID: RFF10-04
Inj Date : 16-DEC-2010 03:19
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2079-A-9-I
Misc Info : 200-2079-A-9-I
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 09:00 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

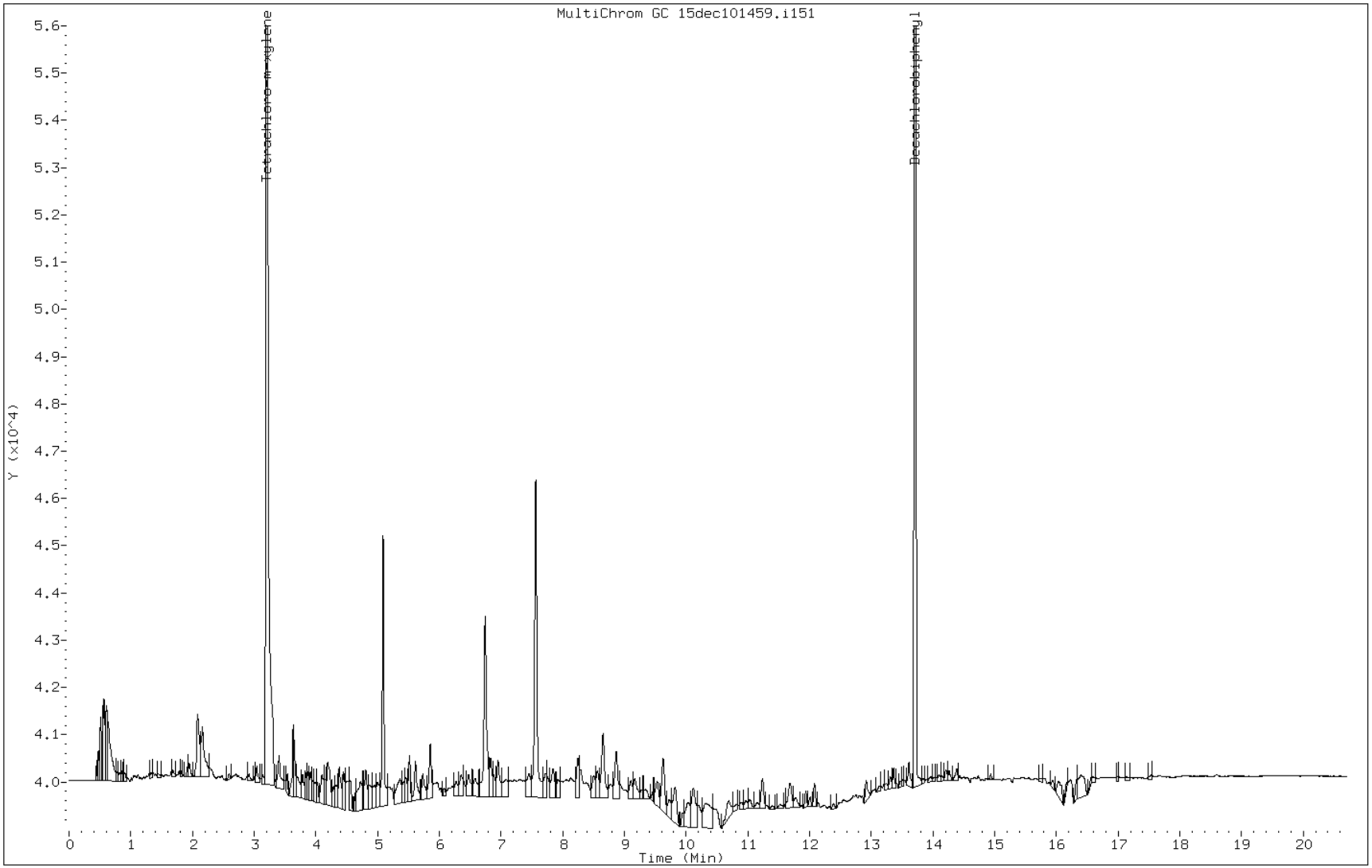
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.203	3.190	0.013	95883	83.8217	83.82	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.710	13.699	0.011	108872	80.9111	80.91	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r151.d	Date:	16-DEC-2010 03:19
Client ID:	RFF10-04	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-9-I		
Lab Sample ID:	200-2079-9		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RFF10-03 | Lab Sample ID: 200-2079-10

Matrix: Tissue | Lab File ID: 05nov101546-r181.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.28(g) | Date Analyzed: 11/05/2010 22:43

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	50	U	50	25
11104-28-2	PCB-1221	50	U	50	25
11141-16-5	PCB-1232	50	U	50	25
53469-21-9	PCB-1242	50	U	50	25
12672-29-6	PCB-1248	50	U	50	25
11097-69-1	PCB-1254	50	U	50	25
11096-82-5	PCB-1260	50	U	50	25
37324-23-5	PCB-1262	50	U	50	25
11100-14-4	PCB-1268	50	U	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	91		30-130
2051-24-3	DCB Decachlorobiphenyl	78		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-10
Client Smp ID: RFF10-03
Inj Date : 05-NOV-2010 22:43
Operator : DPD Inst ID: 7227_1.i
Smp Info : 200-2079-A-10-F
Misc Info : 200-2079-A-10-F
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 11:05 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

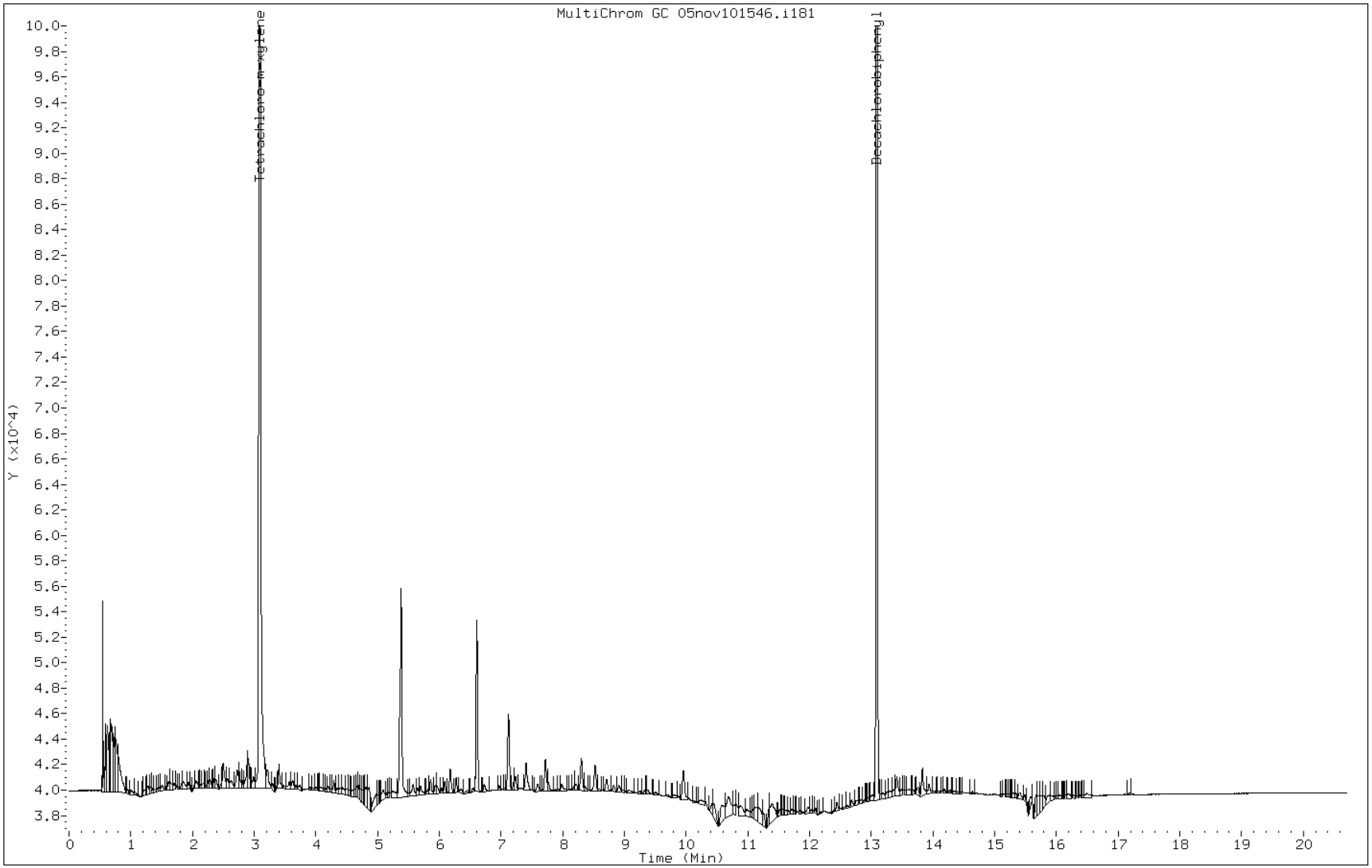
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.090	3.090	0.000	132619	36.4566	36.46	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.087	13.092	-0.005	164312	31.0701	31.07	80.00- 120.00	100.00

Data File: 05nov101546-r181.d
Client ID: RFF10-03
Operator: DPD
Column Type:
Stationary Phase: RTX-5
Sample Info: 200-2079-A-10-F
Lab Sample ID: 200-2079-10

Date: 05-NOV-2010 22:43
Instrument: 7227_1.i
Inj Vol: 1.0
Diameter: 0.25



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RFF10-03 Lab Sample ID: 200-2079-10

Matrix: Tissue Lab File ID: 05nov101546-r181.d

Analysis Method: 8082 Date Collected: 10/19/2010 17:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.28(g) Date Analyzed: 11/05/2010 22:43

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	88		30-130
2051-24-3	DCB Decachlorobiphenyl	80		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-10
Client Smp ID: RFF10-03
Inj Date : 05-NOV-2010 22:43
Operator : DPD Inst ID: 7227_2.i
Smp Info : 200-2079-A-10-F
Misc Info : 200-2079-A-10-F
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:52 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

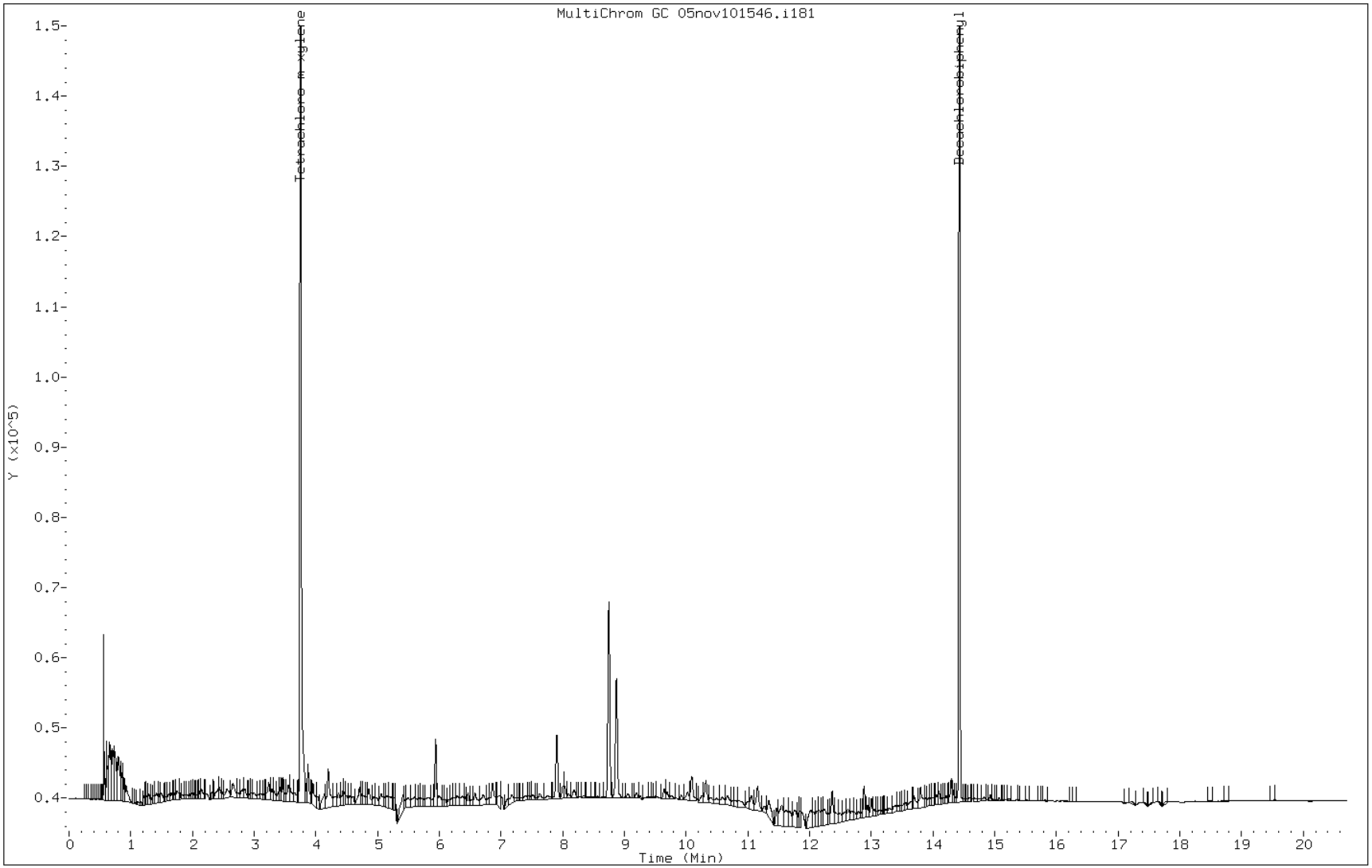
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.751	3.753	-0.002	203333	35.0491	35.05	80.00- 120.00	100.00(M)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.426	14.431	-0.005	215387	31.9790	31.98	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File:	05nov101546-r181.d	Date:	05-NOV-2010 22:43
Client ID:	RFF10-03	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-10-F		
Lab Sample ID:	200-2079-10		



Manual Integration Report

Data File: 05nov101546-r181.d
Lab Sample ID: 200-2079-10
Inj. Date and Time: 05-NOV-2010 22:43
Instrument ID: 7227_2.i
Client ID: RFF10-03
Compound: 10 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 11/10/2010

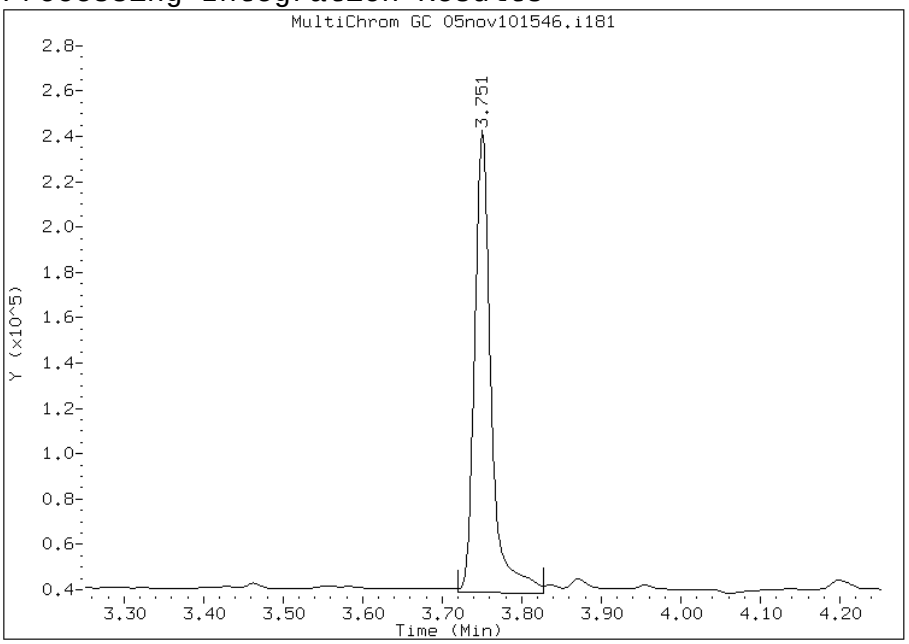
Processing Integration Results

RT: 3.75

Response: 203928

Amount: 35.15

Conc: 35.15



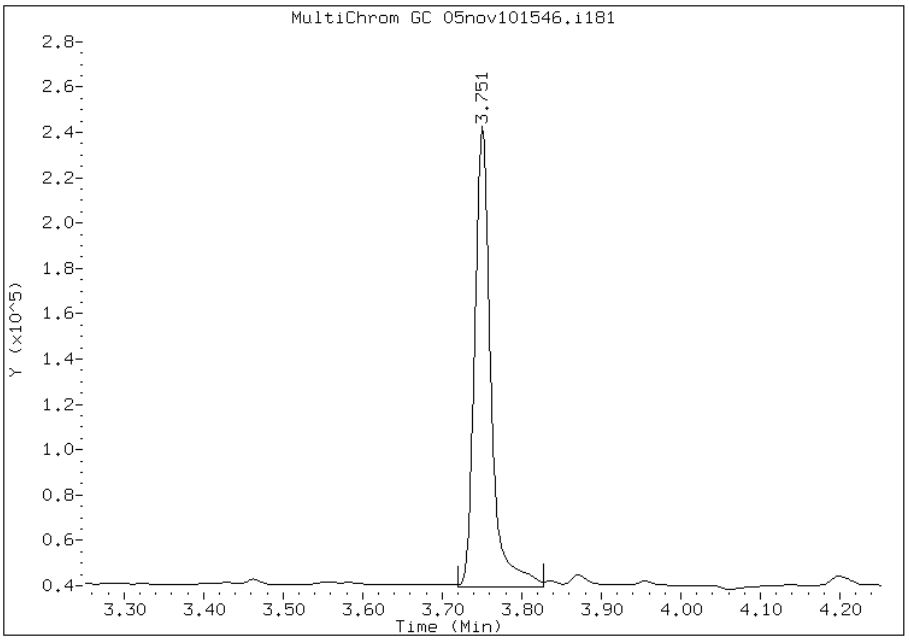
Manual Integration Results

RT: 3.75

Response: 203333

Amount: 35.05

Conc: 35.05



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RFF10-03 RE | Lab Sample ID: 200-2079-10 RE

Matrix: Tissue | Lab File ID: 15dec101459-r161.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.28(g) | Date Analyzed: 12/16/2010 03:44

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	20	U	20	9.9
11104-28-2	PCB-1221	20	U	20	9.9
11141-16-5	PCB-1232	20	U	20	9.9
53469-21-9	PCB-1242	20	U	20	9.9
12672-29-6	PCB-1248	20	U	20	9.9
11097-69-1	PCB-1254	20	U	20	9.9
11096-82-5	PCB-1260	20	U	20	9.9
37324-23-5	PCB-1262	20	U	20	9.9
11100-14-4	PCB-1268	20	U	20	9.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	79		30-130
2051-24-3	DCB Decachlorobiphenyl	44	p X	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-10
Client Smp ID: RFF10-03
Inj Date : 16-DEC-2010 03:44
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2079-A-10-I
Misc Info : 200-2079-A-10-I
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 08:03 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

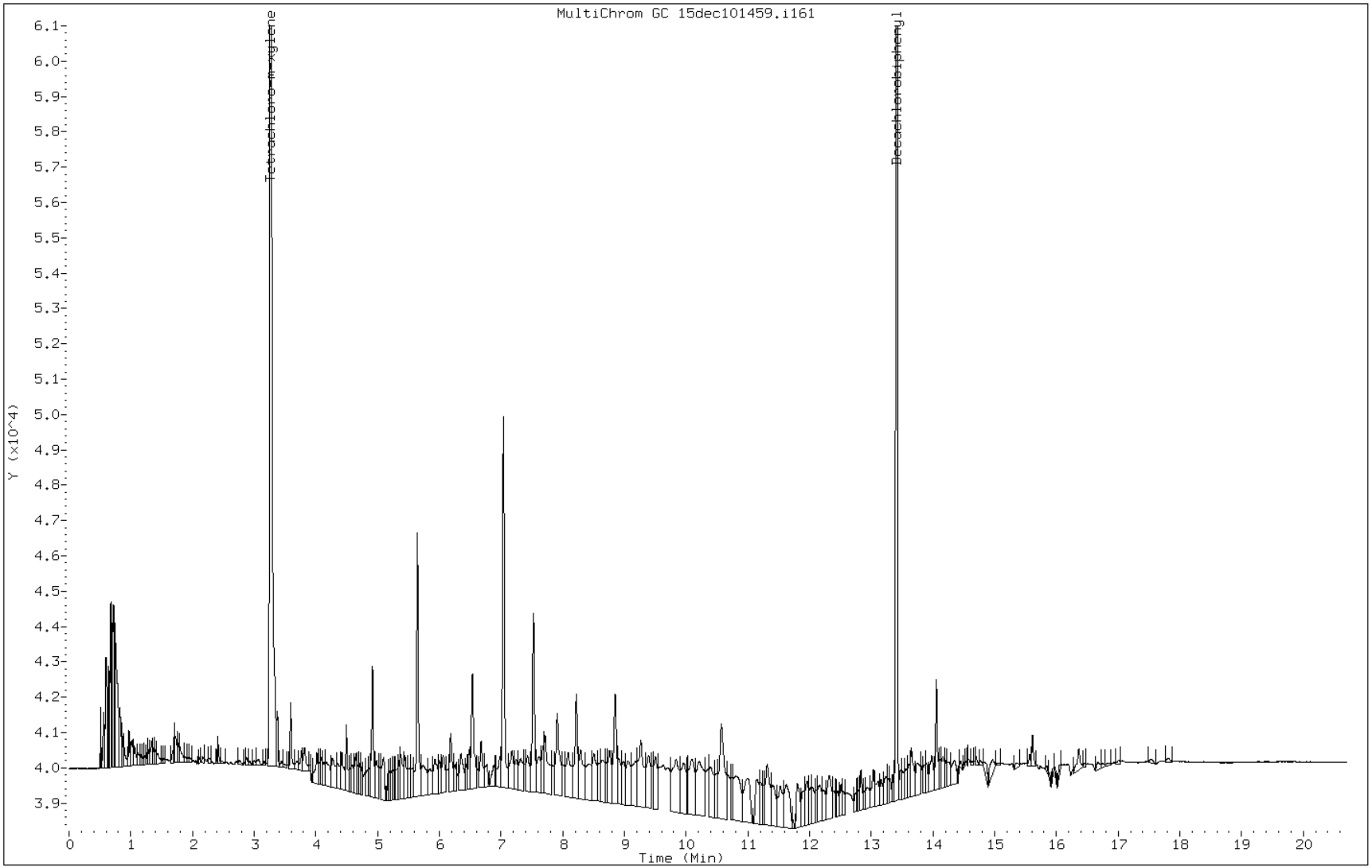
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.265	3.254	0.011	134302	79.1769	79.18	80.00- 120.00	100.00(R)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.411	13.402	0.009	92039	43.9955	44.00	80.00- 120.00	100.00(M)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r161.d	Date:	16-DEC-2010 03:44
Client ID:	RFF10-03	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-10-I		
Lab Sample ID:	200-2079-10		



Manual Integration Report

Data File: 15dec101459-r161.d
Lab Sample ID: 200-2079-10
Inj. Date and Time: 16-DEC-2010 03:44
Instrument ID: 3283_1.i
Client ID: RFF10-03
Compound: 11 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 12/16/2010

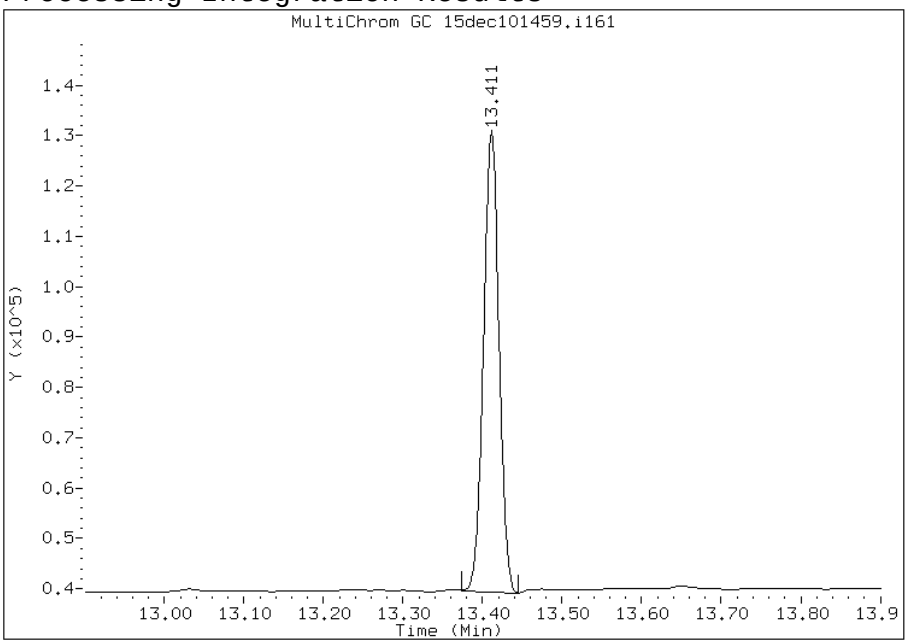
Processing Integration Results

RT: 13.41

Response: 91785

Amount: 43.87

Conc: 43.87



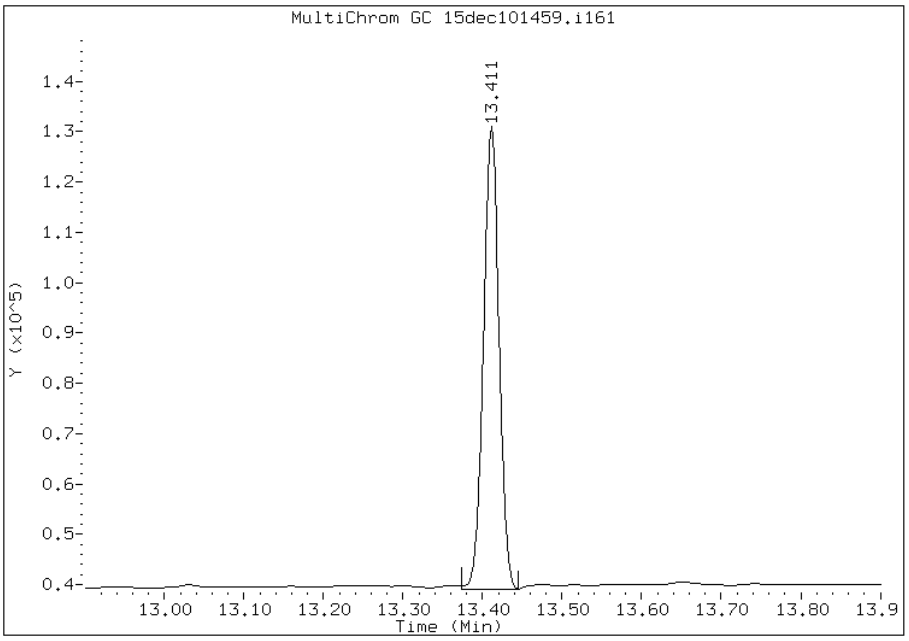
Manual Integration Results

RT: 13.41

Response: 92039

Amount: 44.00

Conc: 44.00



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RFF10-03 RE Lab Sample ID: 200-2079-10 RE

Matrix: Tissue Lab File ID: 15dec101459-r161.d

Analysis Method: 8082 Date Collected: 10/19/2010 17:00

Extraction Method: In-House Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.28(g) Date Analyzed: 12/16/2010 03:44

Con. Extract Vol.: 4000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	77		30-130
2051-24-3	DCB Decachlorobiphenyl	76		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-10
Client Smp ID: RFF10-03
Inj Date : 16-DEC-2010 03:44
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2079-A-10-I
Misc Info : 200-2079-A-10-I
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 09:00 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

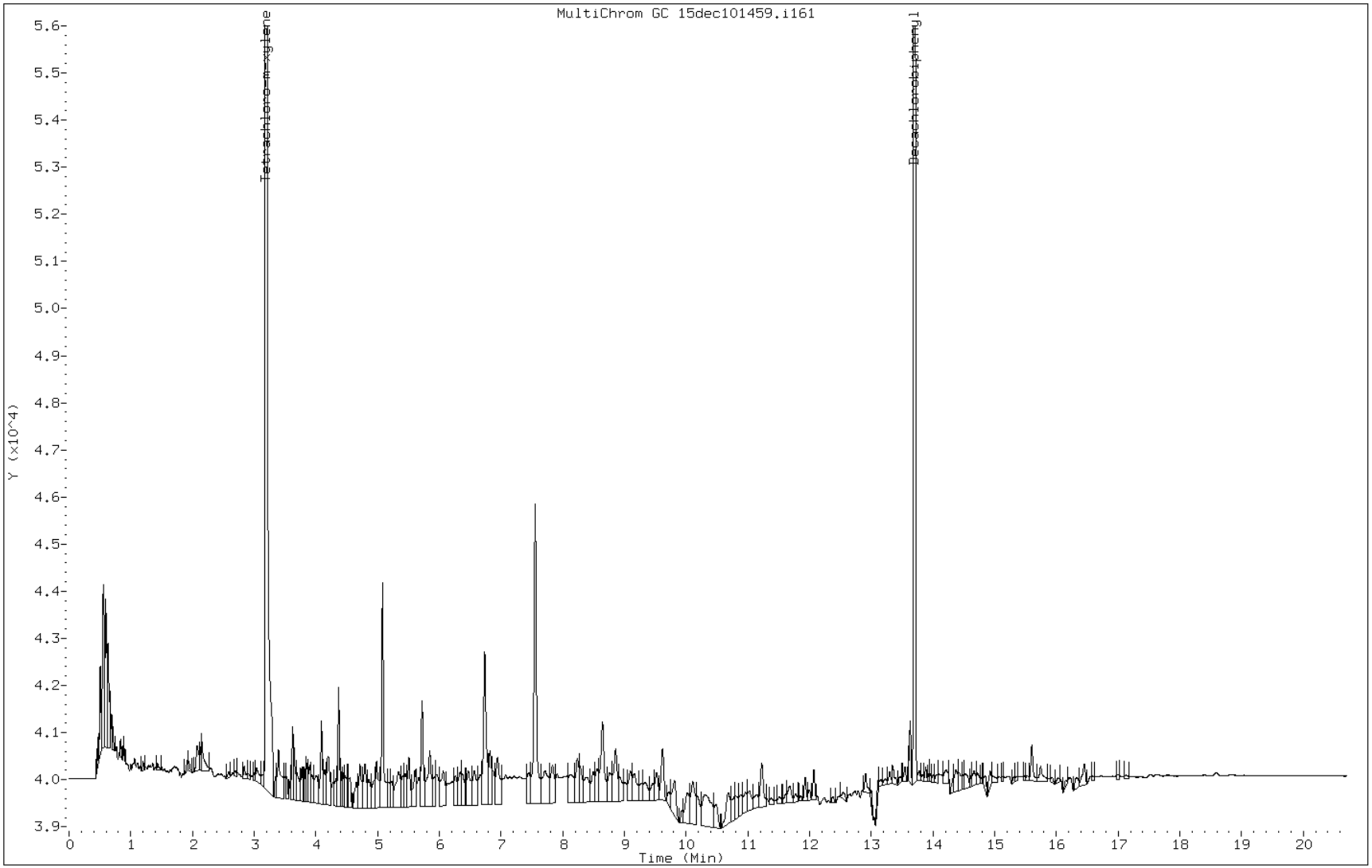
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.194	3.190	0.004	88529	77.3928	77.39	80.00- 120.00	100.00(RM)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.699	13.699	0.000	101977	75.7869	75.79	80.00- 120.00	100.00(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r161.d	Date:	16-DEC-2010 03:44
Client ID:	RFF10-03	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-10-I		
Lab Sample ID:	200-2079-10		



Manual Integration Report

Data File: 15dec101459-r161.d
Lab Sample ID: 200-2079-10
Inj. Date and Time: 16-DEC-2010 03:44
Instrument ID: 3283_2.i
Client ID: RFF10-03
Compound: 10 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 12/16/2010

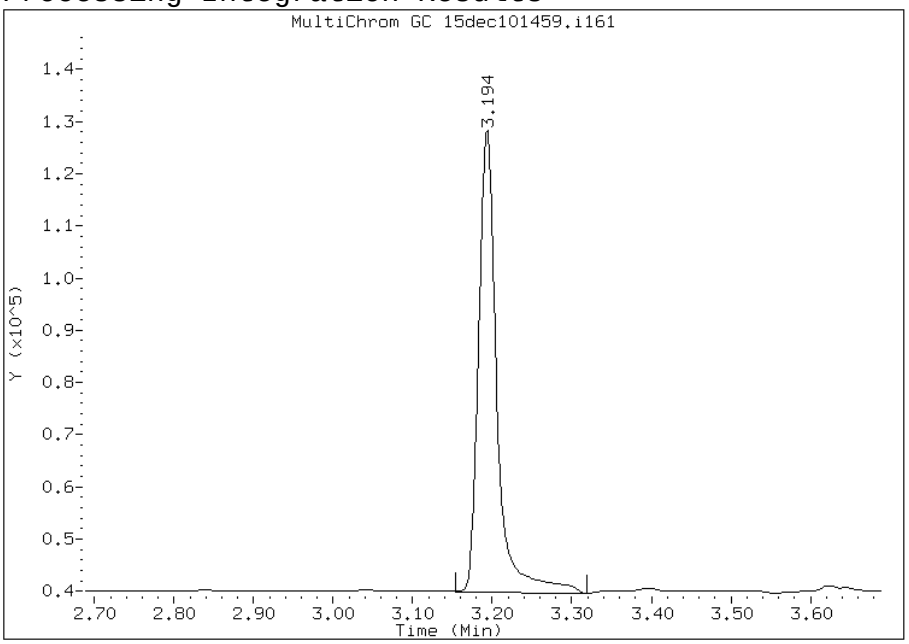
Processing Integration Results

RT: 3.19

Response: 88530

Amount: 77.39

Conc: 77.39



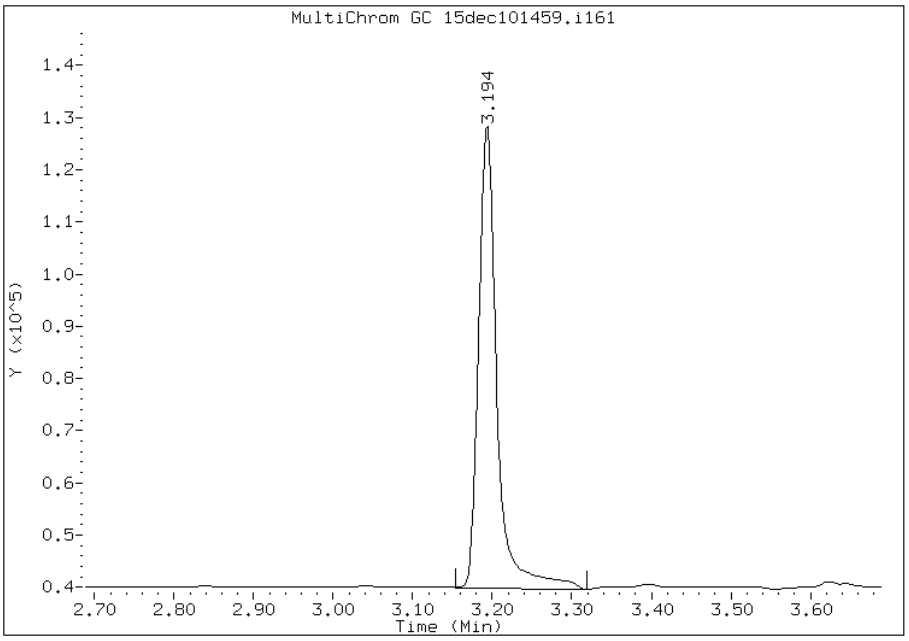
Manual Integration Results

RT: 3.19

Response: 88529

Amount: 77.39

Conc: 77.39



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RFF10-01 | Lab Sample ID: 200-2079-11

Matrix: Tissue | Lab File ID: 05nov101546-r191.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.00(g) | Date Analyzed: 11/05/2010 23:07

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	51	U	51	26
11104-28-2	PCB-1221	51	U	51	26
11141-16-5	PCB-1232	51	U	51	26
53469-21-9	PCB-1242	51	U	51	26
12672-29-6	PCB-1248	51	U	51	26
11097-69-1	PCB-1254	51	U	51	26
11096-82-5	PCB-1260	51	U	51	26
37324-23-5	PCB-1262	51	U	51	26
11100-14-4	PCB-1268	51	U	51	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	106		30-130
2051-24-3	DCB Decachlorobiphenyl	91		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-11
Client Smp ID: RFF10-01
Inj Date : 05-NOV-2010 23:07
Operator : DPD Inst ID: 7227_1.i
Smp Info : 200-2079-A-11-F
Misc Info : 200-2079-A-11-F
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 11:05 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

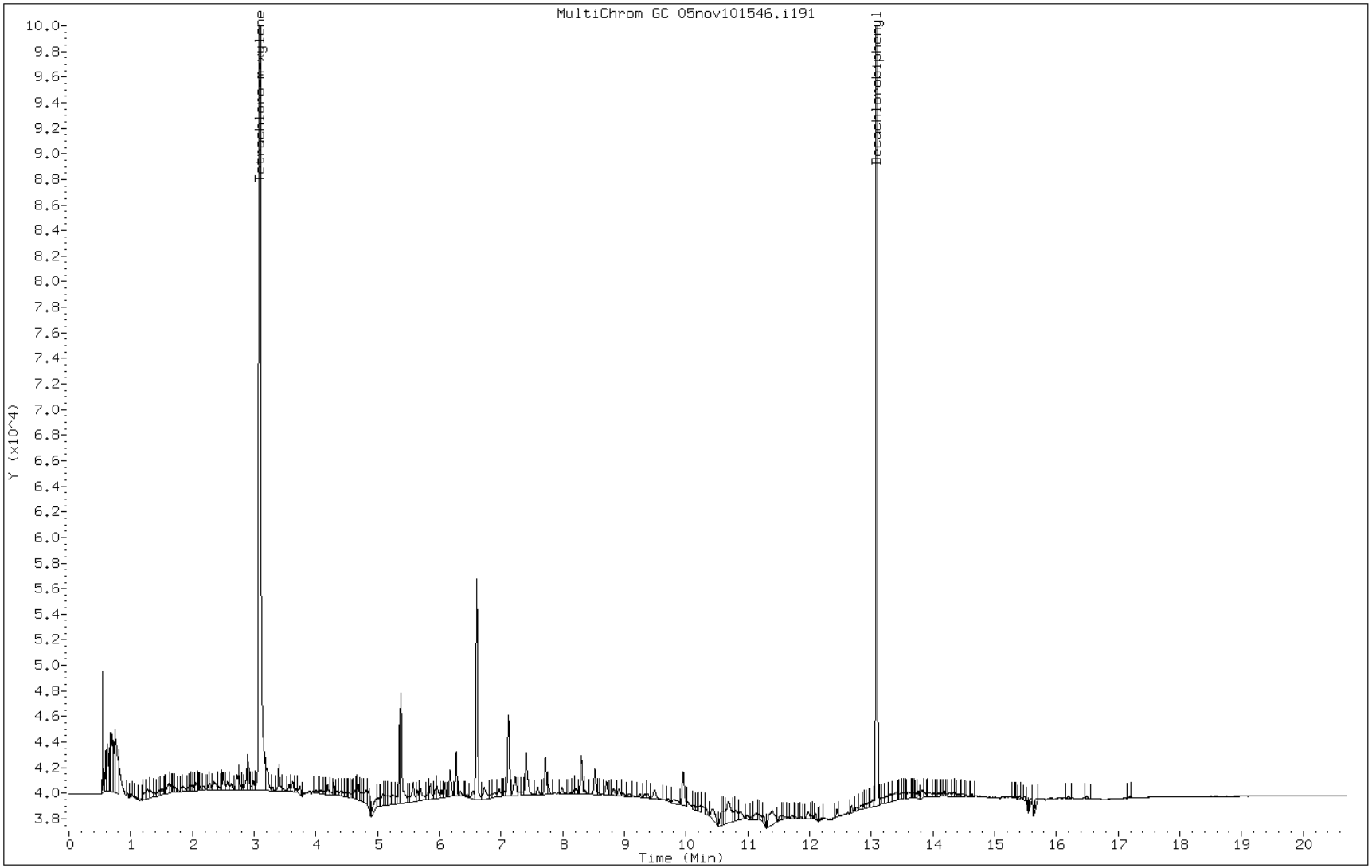
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.088	3.090	-0.002	154888	42.5783	42.58	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.087	13.092	-0.005	191535	36.2178	36.22	80.00- 120.00	100.00

Data File:	05nov101546-r191.d	Date:	05-NOV-2010 23:07
Client ID:	RFF10-01	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-11-F		
Lab Sample ID:	200-2079-11		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RFF10-01 Lab Sample ID: 200-2079-11

Matrix: Tissue Lab File ID: 05nov101546-r191.d

Analysis Method: 8082 Date Collected: 10/19/2010 17:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.00(g) Date Analyzed: 11/05/2010 23:07

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	102		30-130
2051-24-3	DCB Decachlorobiphenyl	90		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-11
Client Smp ID: RFF10-01
Inj Date : 05-NOV-2010 23:07
Operator : DPD Inst ID: 7227_2.i
Smp Info : 200-2079-A-11-F
Misc Info : 200-2079-A-11-F
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:52 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

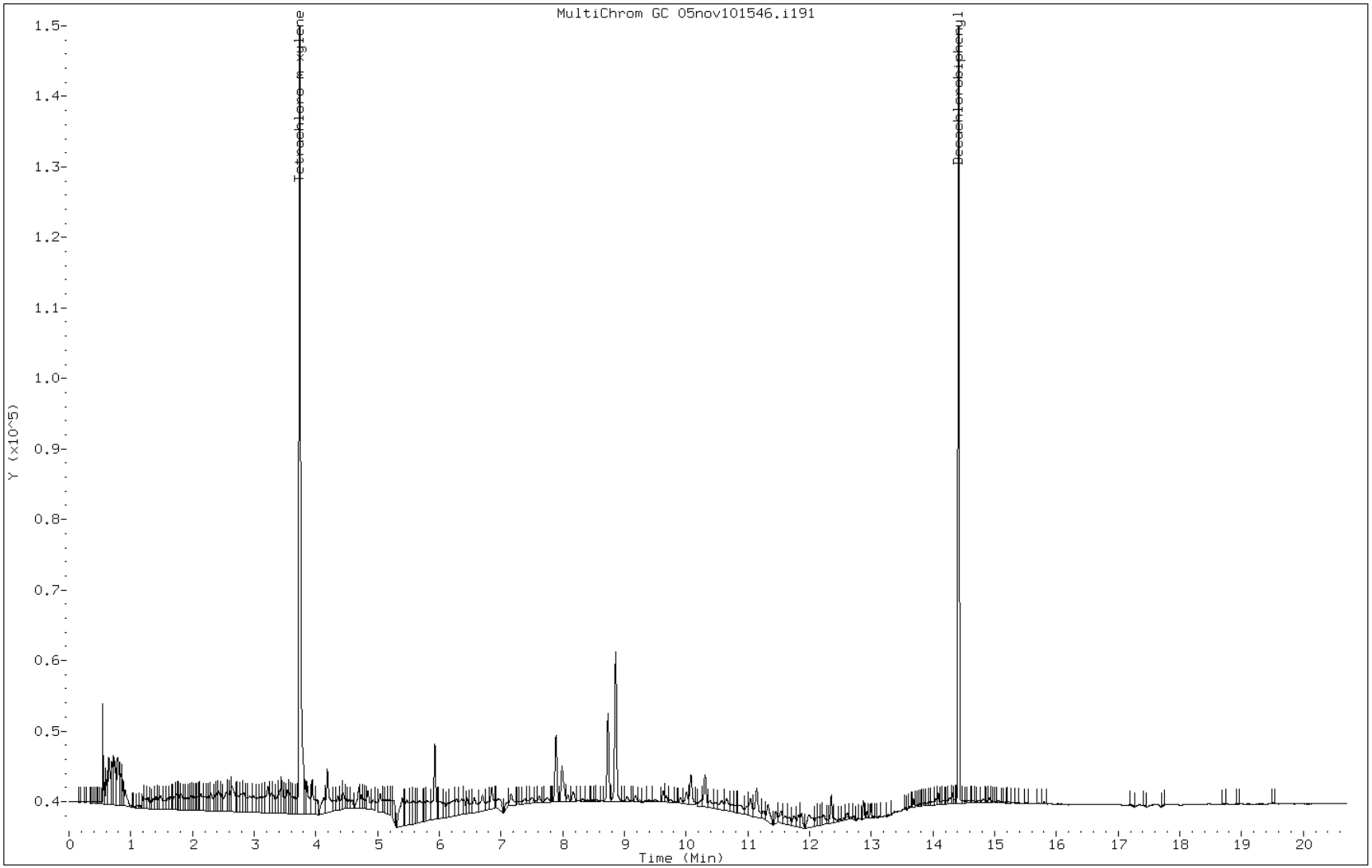
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.737	3.753	-0.016	236977	40.8484	40.85	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.415	14.431	-0.016	243441	36.1442	36.14	80.00- 120.00	100.00

Data File:	05nov101546-r191.d	Date:	05-NOV-2010 23:07
Client ID:	RFF10-01	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-11-F		
Lab Sample ID:	200-2079-11		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RFF10-01 RE | Lab Sample ID: 200-2079-11 RE

Matrix: Tissue | Lab File ID: 15dec101459-r171.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.00(g) | Date Analyzed: 12/16/2010 04:09

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	20	U	20	10
11104-28-2	PCB-1221	20	U	20	10
11141-16-5	PCB-1232	20	U	20	10
53469-21-9	PCB-1242	20	U	20	10
12672-29-6	PCB-1248	20	U	20	10
11097-69-1	PCB-1254	20	U	20	10
11096-82-5	PCB-1260	20	U	20	10
37324-23-5	PCB-1262	20	U	20	10
11100-14-4	PCB-1268	20	U	20	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	93	E	30-130
2051-24-3	DCB Decachlorobiphenyl	45	p	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-11
Client Smp ID: RFF10-01
Inj Date : 16-DEC-2010 04:09
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2079-A-11-I
Misc Info : 200-2079-A-11-I
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 08:03 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

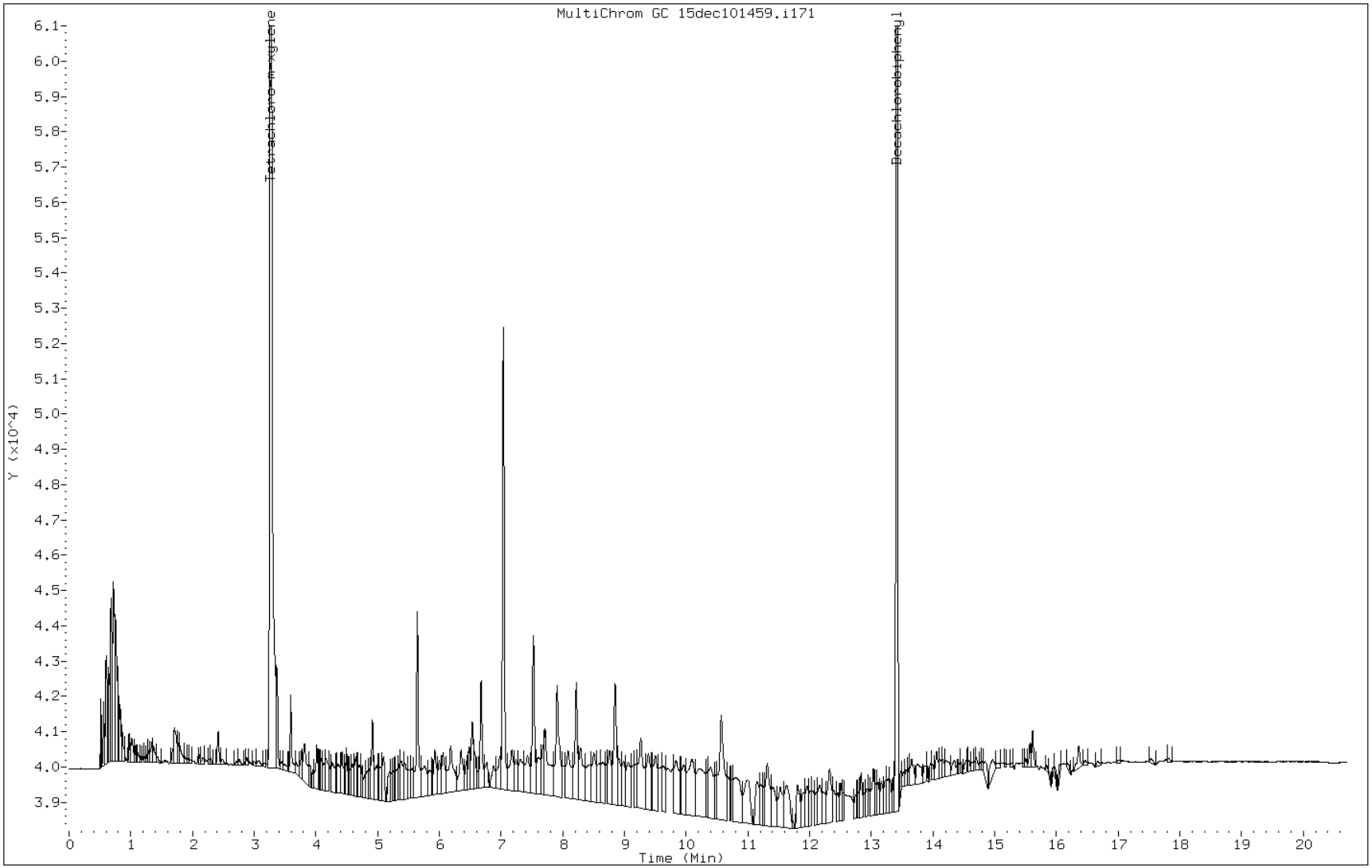
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.267	3.254	0.013	157677	92.9575	92.96	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.413	13.402	0.011	94268	45.0610	45.06	80.00- 120.00	100.00(M)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r171.d	Date:	16-DEC-2010 04:09
Client ID:	RFF10-01	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-11-I		
Lab Sample ID:	200-2079-11		



Manual Integration Report

Data File: 15dec101459-r171.d
Lab Sample ID: 200-2079-11
Inj. Date and Time: 16-DEC-2010 04:09
Instrument ID: 3283_1.i
Client ID: RFF10-01
Compound: 11 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 12/16/2010

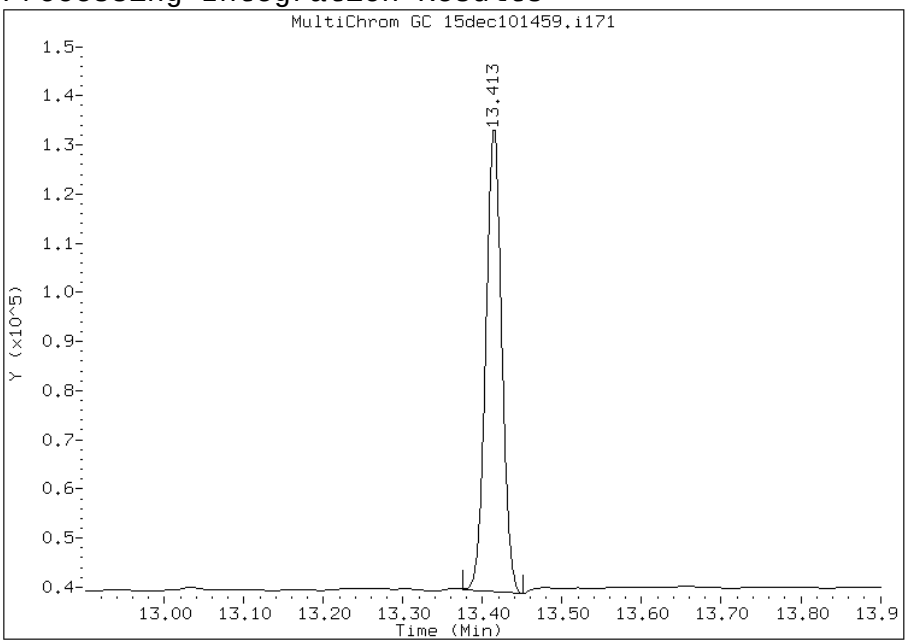
Processing Integration Results

RT: 13.41

Response: 93930

Amount: 44.90

Conc: 44.90



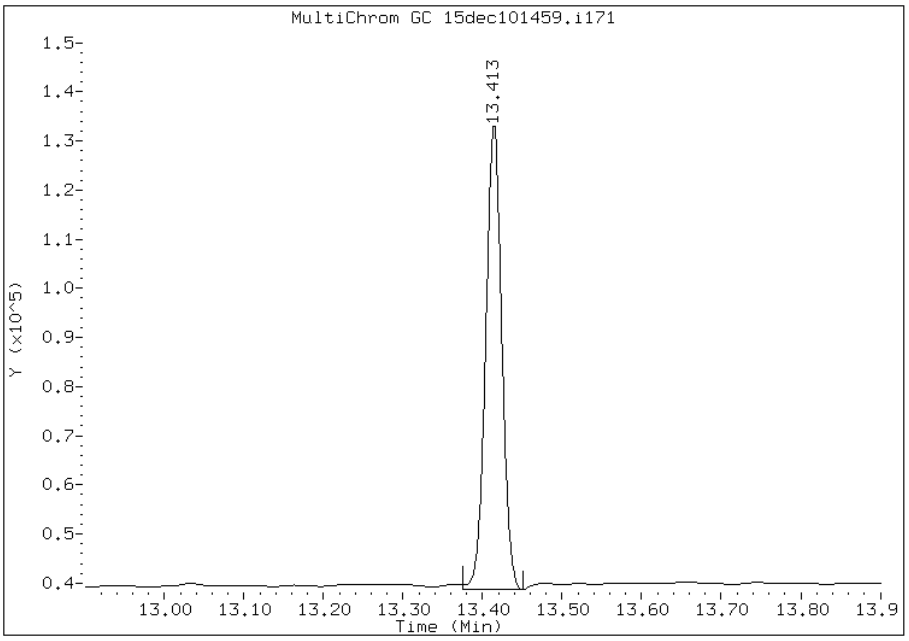
Manual Integration Results

RT: 13.41

Response: 94268

Amount: 45.06

Conc: 45.06



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RFF10-01 RE Lab Sample ID: 200-2079-11 RE

Matrix: Tissue Lab File ID: 15dec101459-r171.d

Analysis Method: 8082 Date Collected: 10/19/2010 17:00

Extraction Method: In-House Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.00(g) Date Analyzed: 12/16/2010 04:09

Con. Extract Vol.: 4000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	89	*E*	30-130
2051-24-3	DCB Decachlorobiphenyl	88	*E*	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-11
Client Smp ID: RFF10-01
Inj Date : 16-DEC-2010 04:09
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2079-A-11-I
Misc Info : 200-2079-A-11-I
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 09:00 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

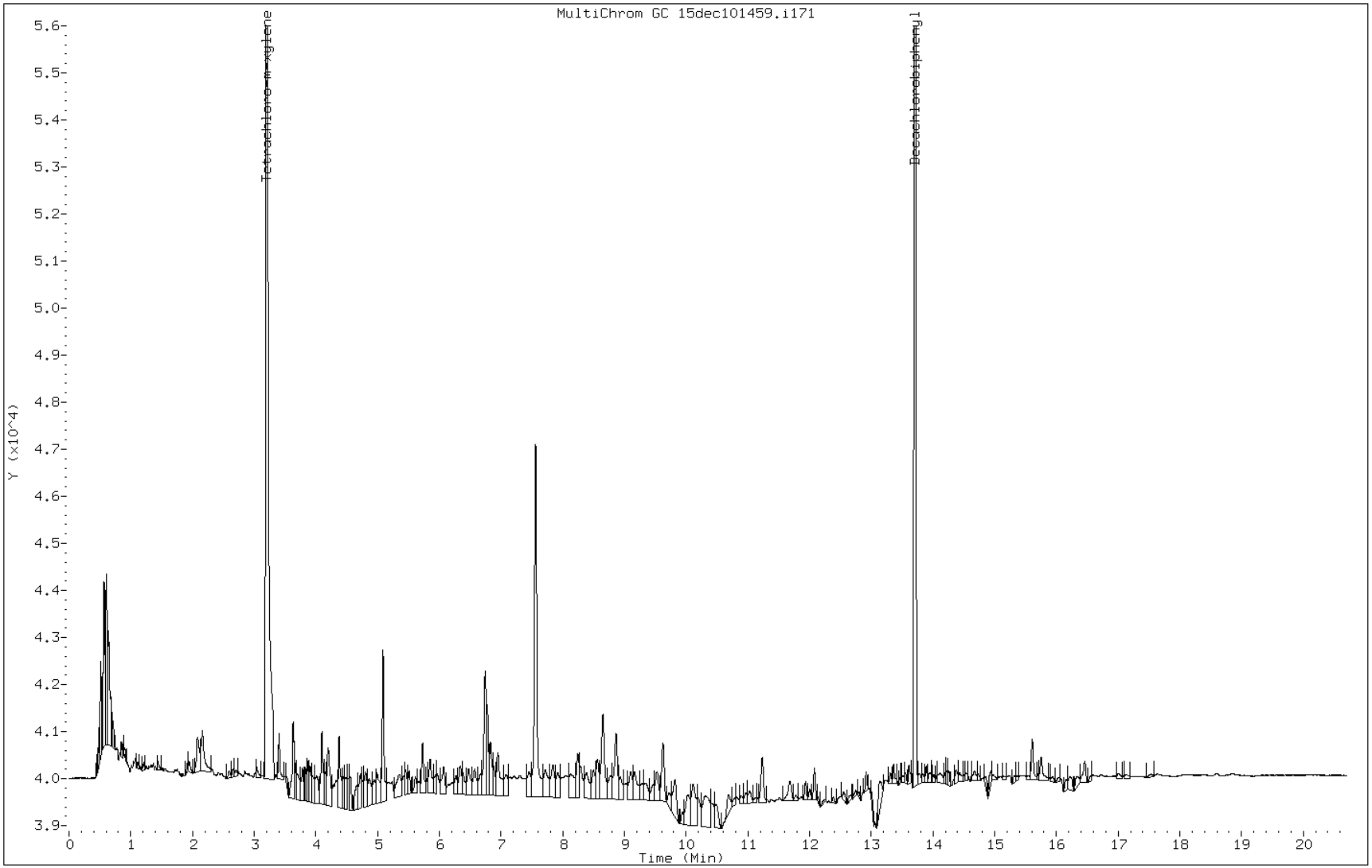
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.201	3.190	0.011	102196	89.3406	89.34	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.708	13.699	0.009	117918	87.6339	87.63	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r171.d	Date:	16-DEC-2010 04:09
Client ID:	RFF10-01	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-11-I		
Lab Sample ID:	200-2079-11		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB10-01 | Lab Sample ID: 200-2079-12

Matrix: Tissue | Lab File ID: 05nov101546-r201.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 9.89(g) | Date Analyzed: 11/05/2010 23:31

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	52	U	52	26
11104-28-2	PCB-1221	52	U	52	26
11141-16-5	PCB-1232	52	U	52	26
53469-21-9	PCB-1242	52	U	52	26
12672-29-6	PCB-1248	52	U	52	26
11097-69-1	PCB-1254	52	U	52	26
11096-82-5	PCB-1260	52	U	52	26
37324-23-5	PCB-1262	52	U	52	26
11100-14-4	PCB-1268	52	U	52	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	100		30-130
2051-24-3	DCB Decachlorobiphenyl	90		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-12
Client Smp ID: RLB10-01
Inj Date : 05-NOV-2010 23:31
Operator : DPD Inst ID: 7227_1.i
Smp Info : 200-2079-A-12-S
Misc Info : 200-2079-A-12-S
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 11:05 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

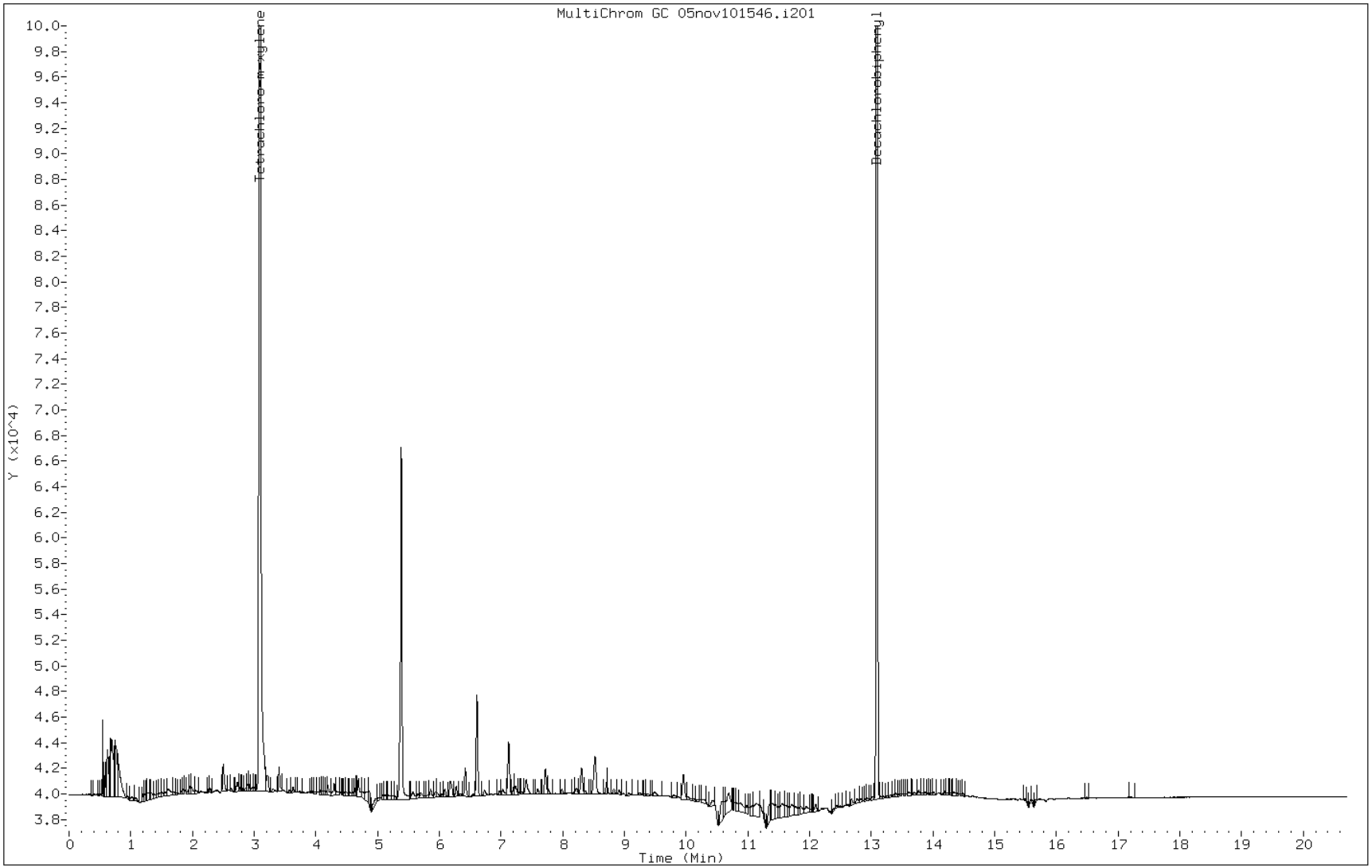
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.092	3.090	0.002	145339	39.9533	39.95	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.089	13.092	-0.003	190493	36.0208	36.02	80.00- 120.00	100.00

Data File:	05nov101546-r201.d	Date:	05-NOV-2010 23:31
Client ID:	RLB10-01	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-12-S		
Lab Sample ID:	200-2079-12		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB10-01 Lab Sample ID: 200-2079-12

Matrix: Tissue Lab File ID: 05nov101546-r201.d

Analysis Method: 8082 Date Collected: 10/19/2010 17:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 9.89(g) Date Analyzed: 11/05/2010 23:31

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	96		30-130
2051-24-3	DCB Decachlorobiphenyl	88		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-12
Client Smp ID: RLB10-01
Inj Date : 05-NOV-2010 23:31
Operator : DPD Inst ID: 7227_2.i
Smp Info : 200-2079-A-12-S
Misc Info : 200-2079-A-12-S
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:52 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

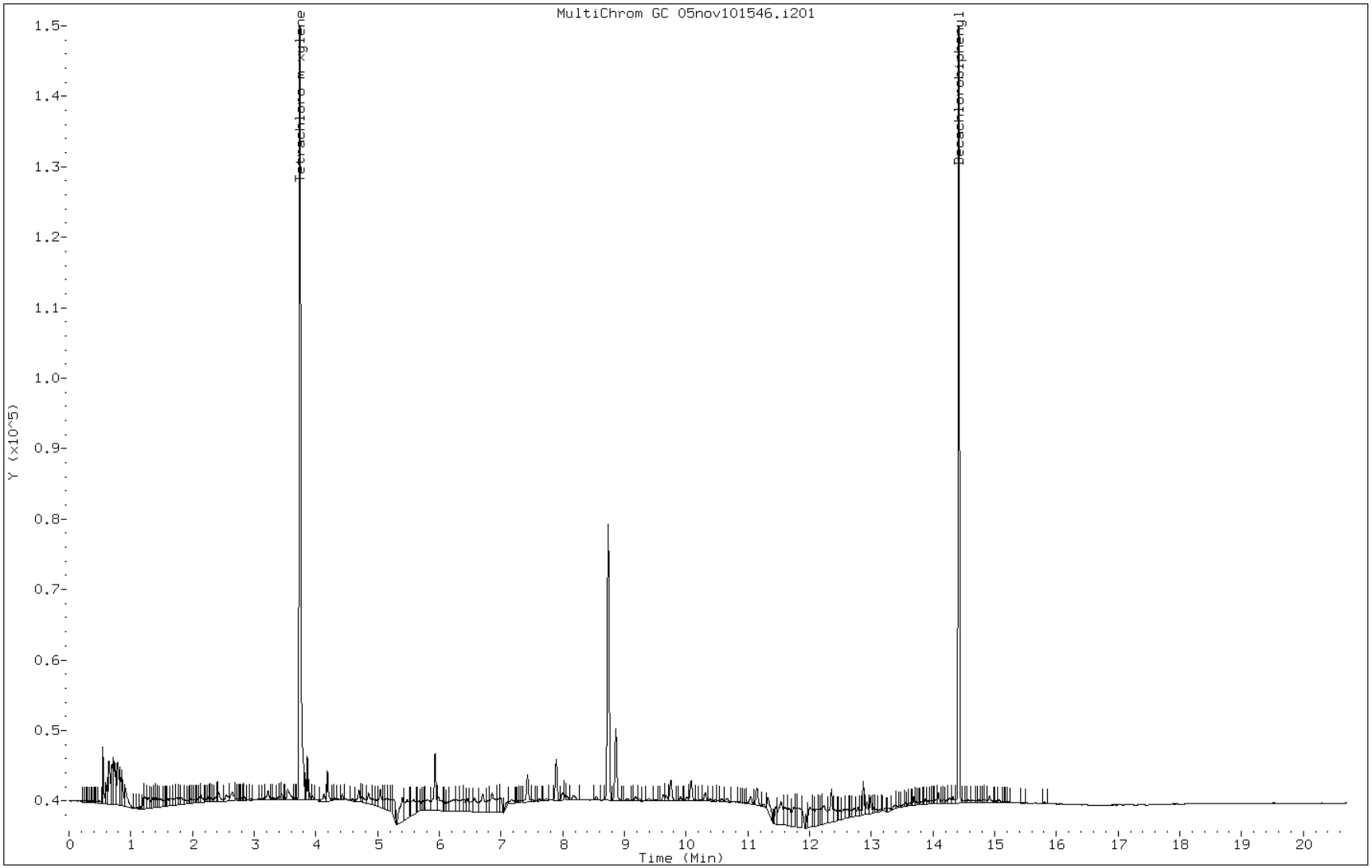
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.742	3.753	-0.011	222454	38.3450	38.35	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.417	14.431	-0.014	237498	35.2618	35.26	80.00- 120.00	100.00

Data File:	05nov101546-r201.d	Date:	05-NOV-2010 23:31
Client ID:	RLB10-01	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-12-S		
Lab Sample ID:	200-2079-12		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB10-01 RE | Lab Sample ID: 200-2079-12 RE

Matrix: Tissue | Lab File ID: 15dec101459-r181.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 9.89(g) | Date Analyzed: 12/16/2010 04:33

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	21	U	21	10
11104-28-2	PCB-1221	21	U	21	10
11141-16-5	PCB-1232	21	U	21	10
53469-21-9	PCB-1242	21	U	21	10
12672-29-6	PCB-1248	21	U	21	10
11097-69-1	PCB-1254	21	U	21	10
11096-82-5	PCB-1260	21	U	21	10
37324-23-5	PCB-1262	21	U	21	10
11100-14-4	PCB-1268	21	U	21	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	102	E	30-130
2051-24-3	DCB Decachlorobiphenyl	91	*E*	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-12E
Client Smp ID: RLB10-01
Inj Date : 16-DEC-2010 04:33
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2079-A-12-AE
Misc Info : 200-2079-A-12-AE
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 08:03 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

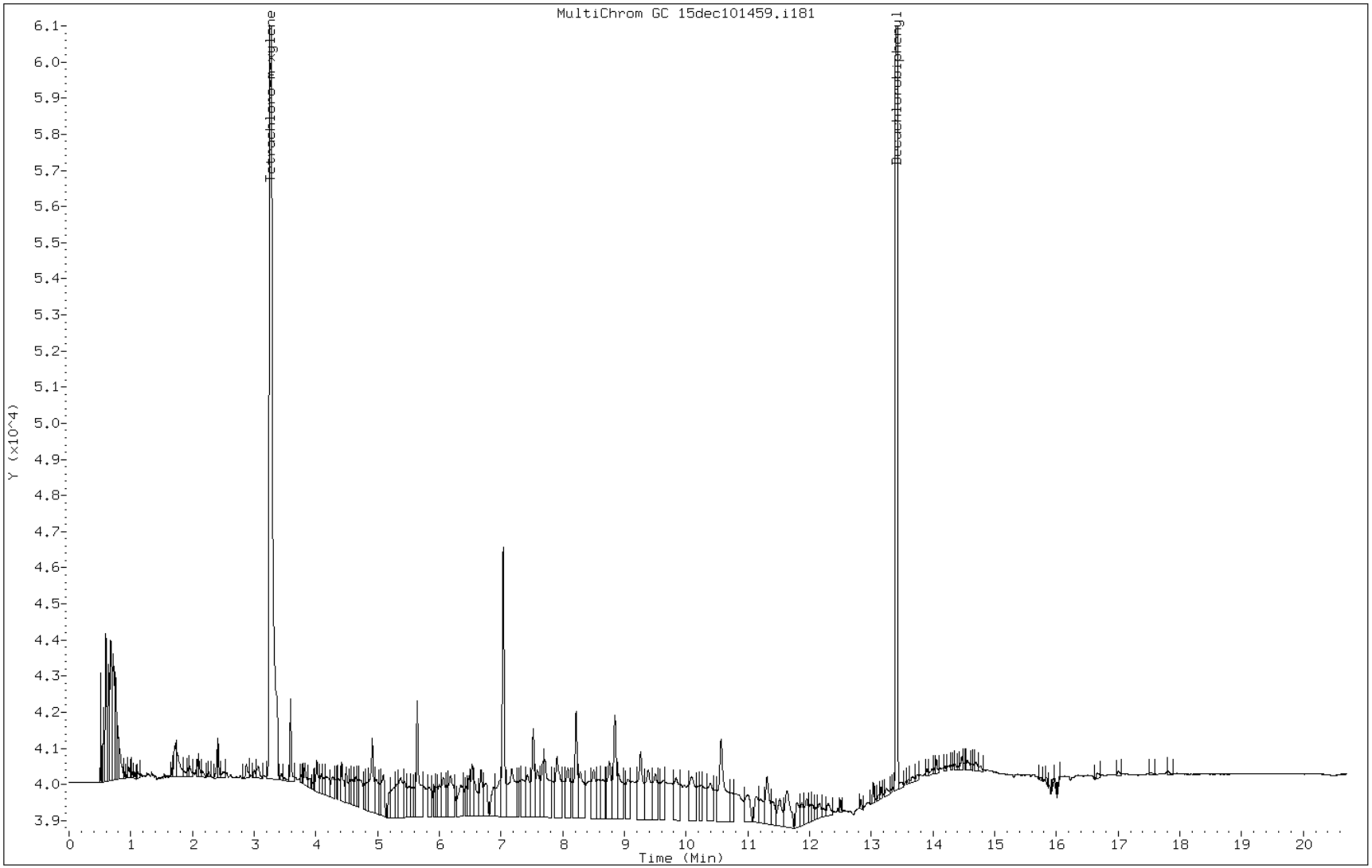
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.263	3.254	0.009	173644	102.371	102.4	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.409	13.402	0.007	190041	90.8415	90.84	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r181.d	Date:	16-DEC-2010 04:33
Client ID:	RLB10-01	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-12-AE		
Lab Sample ID:	200-2079-12E		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB10-01 RE Lab Sample ID: 200-2079-12 RE

Matrix: Tissue Lab File ID: 15dec101459-r181.d

Analysis Method: 8082 Date Collected: 10/19/2010 17:00

Extraction Method: In-House Date Extracted: 11/30/2010 09:35

Sample wt/vol: 9.89(g) Date Analyzed: 12/16/2010 04:33

Con. Extract Vol.: 4000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	101	*E*	30-130
2051-24-3	DCB Decachlorobiphenyl	99	E	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-12E
Client Smp ID: RLB10-01
Inj Date : 16-DEC-2010 04:33
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2079-A-12-AE
Misc Info : 200-2079-A-12-AE
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 09:00 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

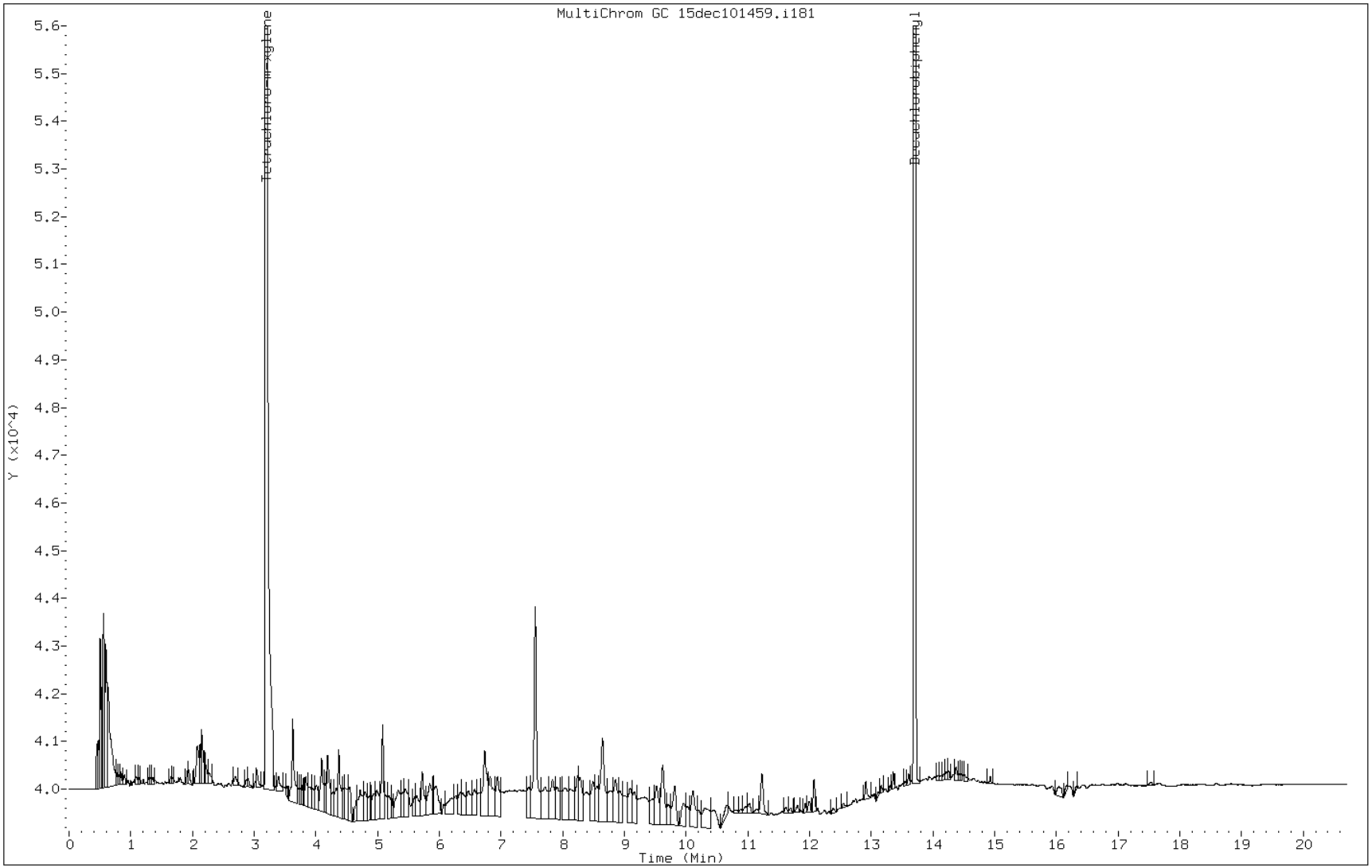
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.196	3.190	0.006	115006	100.539	100.5	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.703	13.699	0.004	132784	98.6820	98.68	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r181.d	Date:	16-DEC-2010 04:33
Client ID:	RLB10-01	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-12-AE		
Lab Sample ID:	200-2079-12E		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB-10-02 | Lab Sample ID: 200-2079-13

Matrix: Tissue | Lab File ID: 05nov101546-r251.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.53(g) | Date Analyzed: 11/06/2010 01:32

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	48	U	48	24
11104-28-2	PCB-1221	48	U	48	24
11141-16-5	PCB-1232	48	U	48	24
53469-21-9	PCB-1242	48	U	48	24
12672-29-6	PCB-1248	48	U	48	24
11097-69-1	PCB-1254	48	U	48	24
11096-82-5	PCB-1260	48	U	48	24
37324-23-5	PCB-1262	48	U	48	24
11100-14-4	PCB-1268	48	U	48	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	101		30-130
2051-24-3	DCB Decachlorobiphenyl	89		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-13
Client Smp ID: RLB-10-02
Inj Date : 06-NOV-2010 01:32
Operator : DPD Inst ID: 7227_1.i
Smp Info : 200-2079-A-13-F
Misc Info : 200-2079-A-13-F
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 11:05 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

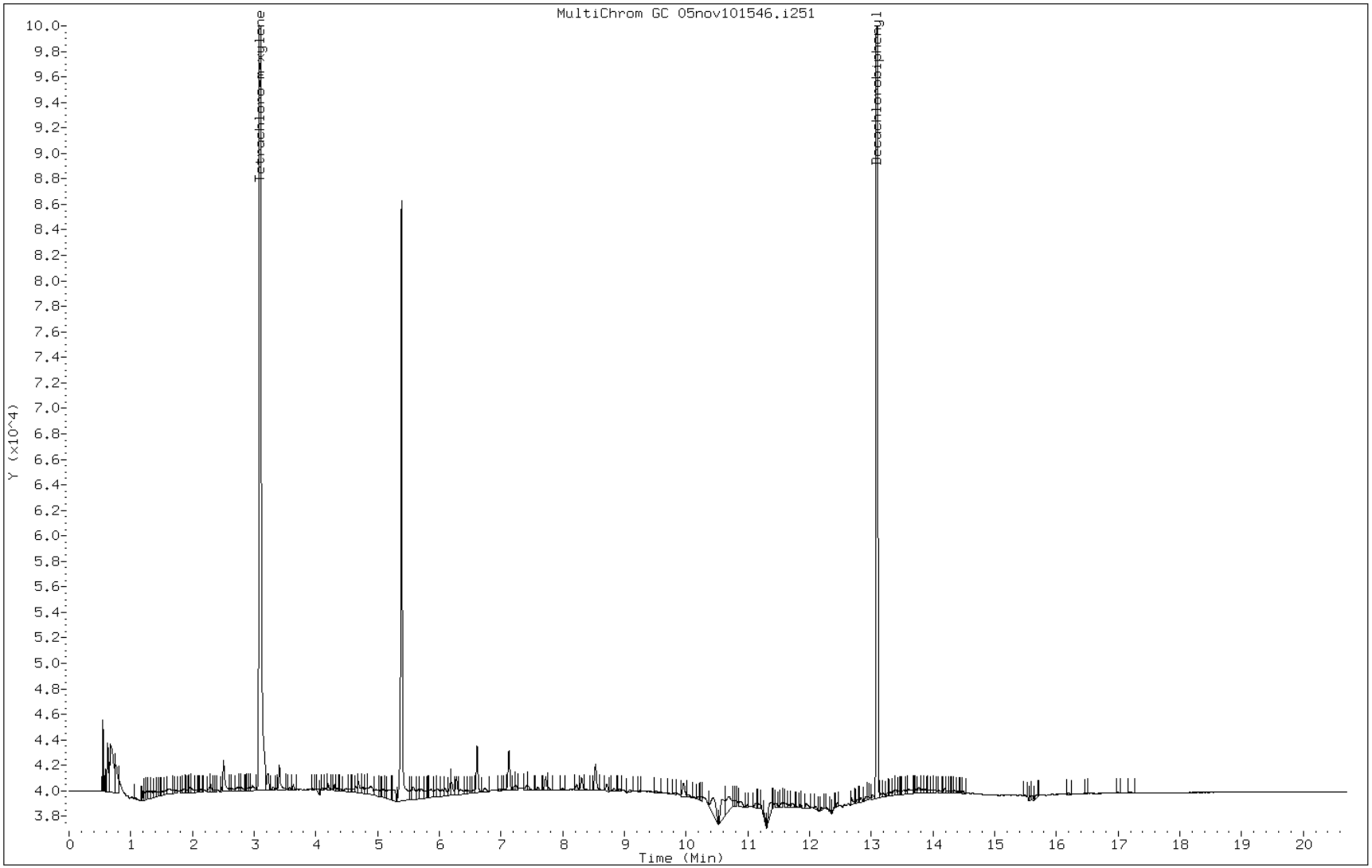
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.094	3.090	0.004	146723	40.3338	40.33	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.092	13.092	0.000	187510	35.4567	35.46	80.00- 120.00	100.00

Data File:	05nov101546-r251.d	Date:	06-NOV-2010 01:32
Client ID:	RLB-10-02	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-13-F		
Lab Sample ID:	200-2079-13		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB-10-02 Lab Sample ID: 200-2079-13

Matrix: Tissue Lab File ID: 05nov101546-r251.d

Analysis Method: 8082 Date Collected: 10/19/2010 17:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.53(g) Date Analyzed: 11/06/2010 01:32

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	95		30-130
2051-24-3	DCB Decachlorobiphenyl	89		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-13
Client Smp ID: RLB-10-02
Inj Date : 06-NOV-2010 01:32
Operator : DPD Inst ID: 7227_2.i
Smp Info : 200-2079-A-13-F
Misc Info : 200-2079-A-13-F
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:52 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

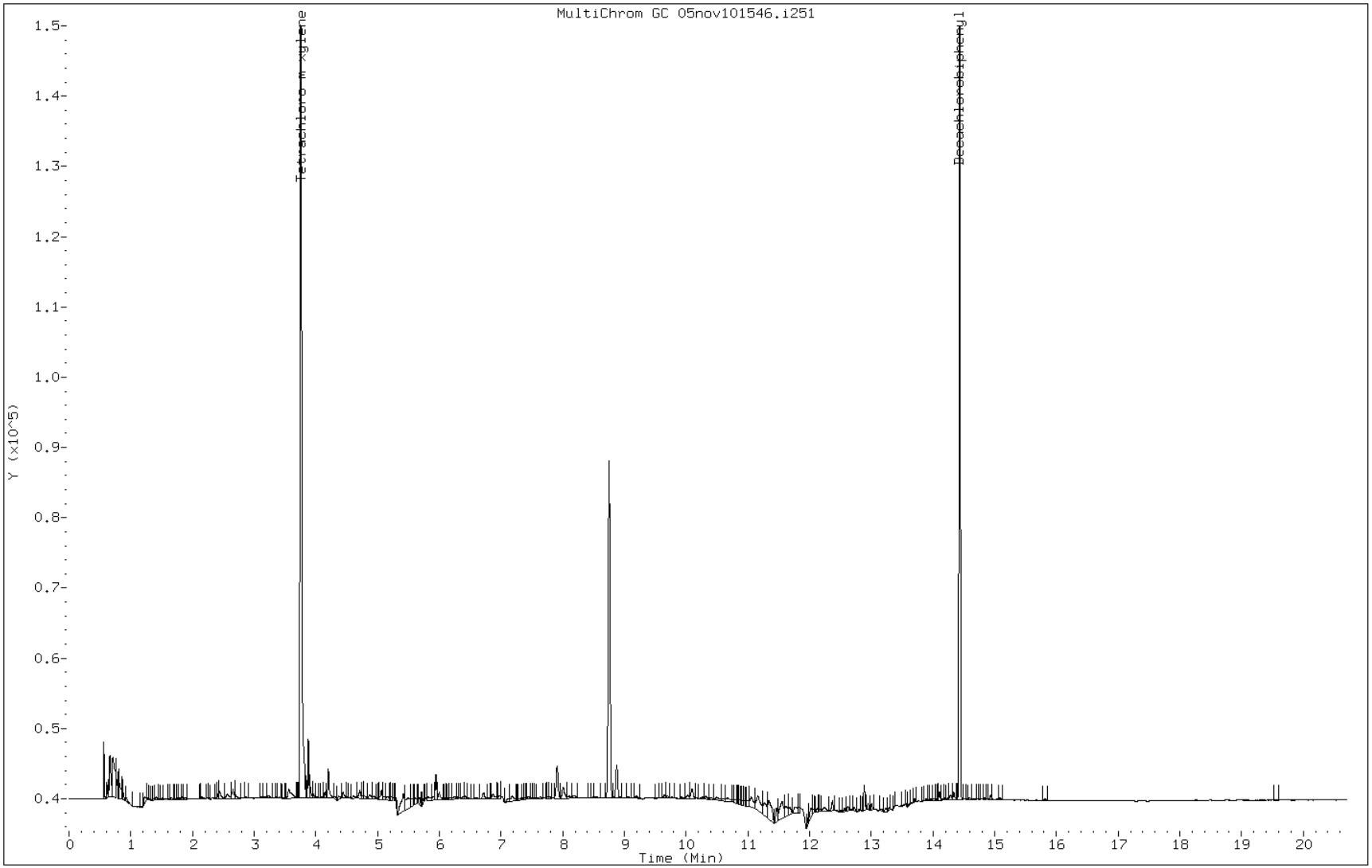
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.755	3.753	0.002	221219	38.1322	38.13	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.431	14.431	0.000	240917	35.7695	35.77	80.00- 120.00	100.00

Data File:	05nov101546-r251.d	Date:	06-NOV-2010 01:32
Client ID:	RLB-10-02	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-13-F		
Lab Sample ID:	200-2079-13		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB-10-02 RE | Lab Sample ID: 200-2079-13 RE

Matrix: Tissue | Lab File ID: 15dec101459-r231.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.53(g) | Date Analyzed: 12/16/2010 06:37

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	19	U	19	9.7
11104-28-2	PCB-1221	19	U	19	9.7
11141-16-5	PCB-1232	19	U	19	9.7
53469-21-9	PCB-1242	19	U	19	9.7
12672-29-6	PCB-1248	19	U	19	9.7
11097-69-1	PCB-1254	19	U	19	9.7
11096-82-5	PCB-1260	19	U	19	9.7
37324-23-5	PCB-1262	19	U	19	9.7
11100-14-4	PCB-1268	19	U	19	9.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	103	E	30-130
2051-24-3	DCB Decachlorobiphenyl	91	*E*	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-13
Client Smp ID: RLB-10-02
Inj Date : 16-DEC-2010 06:37
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2079-A-13-I
Misc Info : 200-2079-A-13-I
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 08:03 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

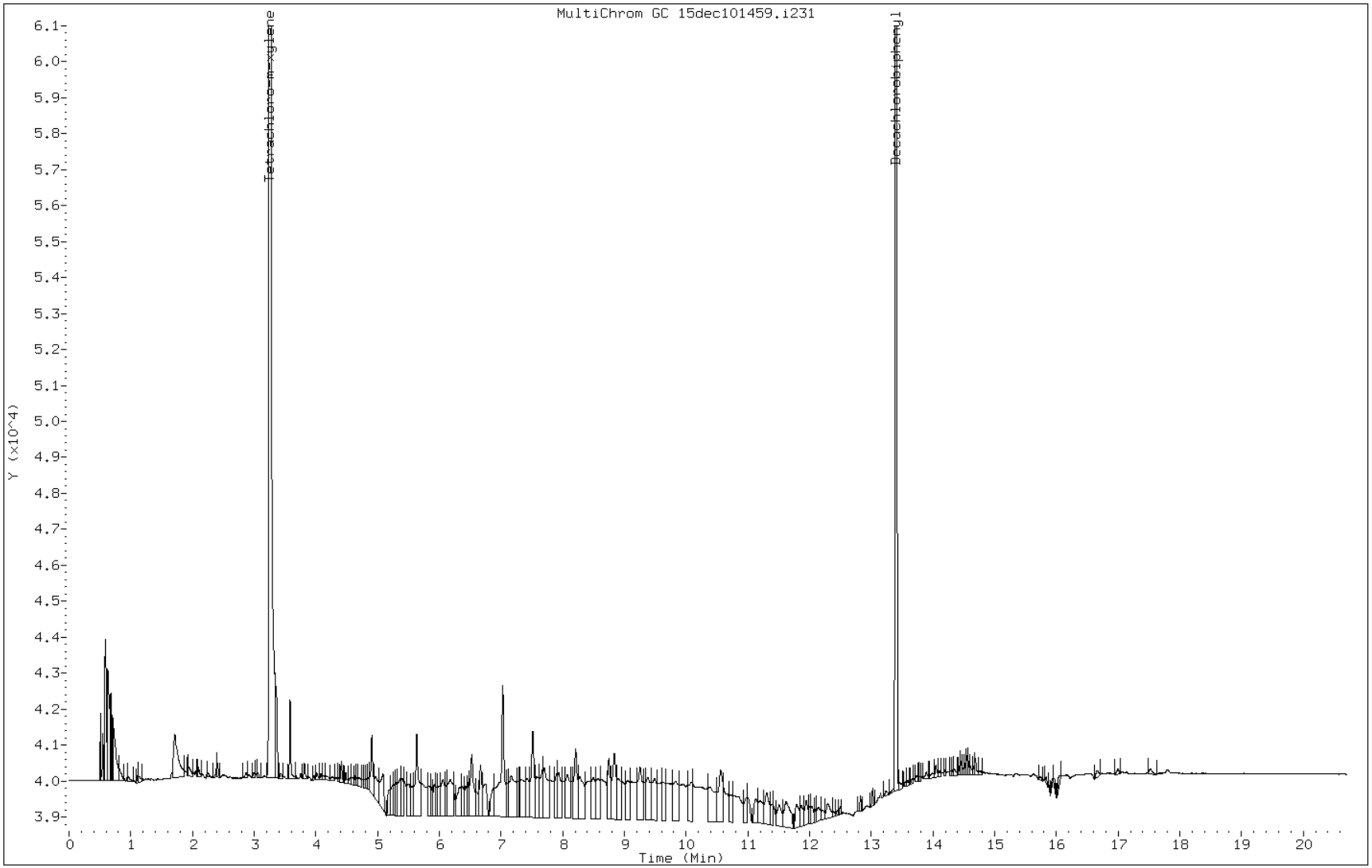
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.256	3.254	0.002	174825	103.067	103.1	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.402	13.402	0.000	190038	90.8400	90.84	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r231.d	Date:	16-DEC-2010 06:37
Client ID:	RLB-10-02	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-13-I		
Lab Sample ID:	200-2079-13		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB-10-02 RE Lab Sample ID: 200-2079-13 RE

Matrix: Tissue Lab File ID: 15dec101459-r231.d

Analysis Method: 8082 Date Collected: 10/19/2010 17:00

Extraction Method: In-House Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.53(g) Date Analyzed: 12/16/2010 06:37

Con. Extract Vol.: 4000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	100	*E*	30-130
2051-24-3	DCB Decachlorobiphenyl	99	E	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-13
Client Smp ID: RLB-10-02
Inj Date : 16-DEC-2010 06:37
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2079-A-13-I
Misc Info : 200-2079-A-13-I
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 09:00 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

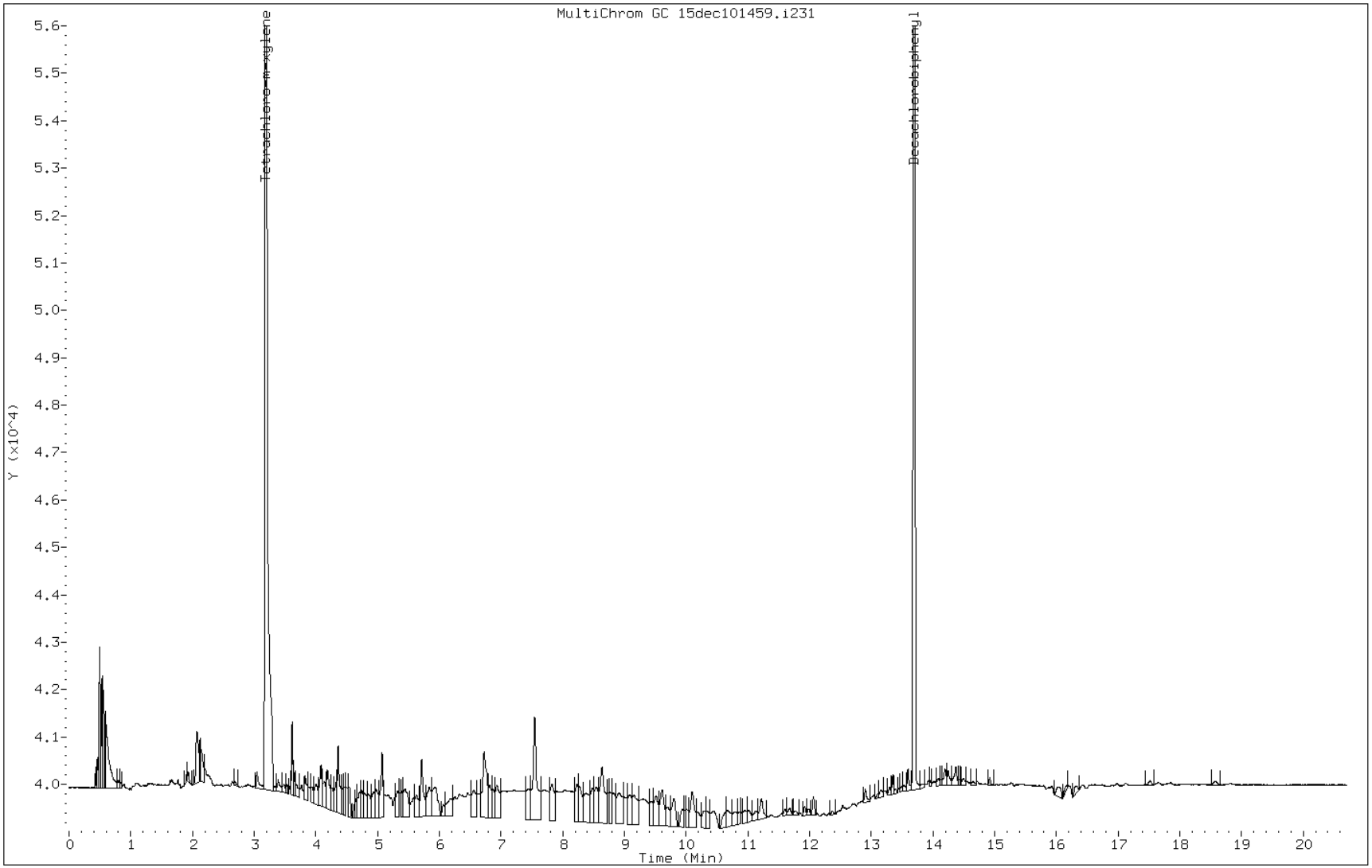
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.188	3.190	-0.002	114333	99.9508	99.95	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.695	13.699	-0.004	133055	98.8834	98.88	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r231.d	Date:	16-DEC-2010 06:37
Client ID:	RLB-10-02	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-13-I		
Lab Sample ID:	200-2079-13		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: EQBLKPT | Lab Sample ID: 200-2079-14

Matrix: Tissue | Lab File ID: 05nov101546-r261.d

Analysis Method: 8082 | Date Collected: 10/20/2010 12:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.12(g) | Date Analyzed: 11/06/2010 01:57

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	50	U	50	25
11104-28-2	PCB-1221	50	U	50	25
11141-16-5	PCB-1232	50	U	50	25
53469-21-9	PCB-1242	50	U	50	25
12672-29-6	PCB-1248	50	U	50	25
11097-69-1	PCB-1254	50	U	50	25
11096-82-5	PCB-1260	50	U	50	25
37324-23-5	PCB-1262	50	U	50	25
11100-14-4	PCB-1268	50	U	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	93		30-130
2051-24-3	DCB Decachlorobiphenyl	91		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-14
Client Smp ID: EQBLKPT
Inj Date : 06-NOV-2010 01:57
Operator : DPD Inst ID: 7227_1.i
Smp Info : 200-2079-A-14-F
Misc Info : 200-2079-A-14-F
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 11:05 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

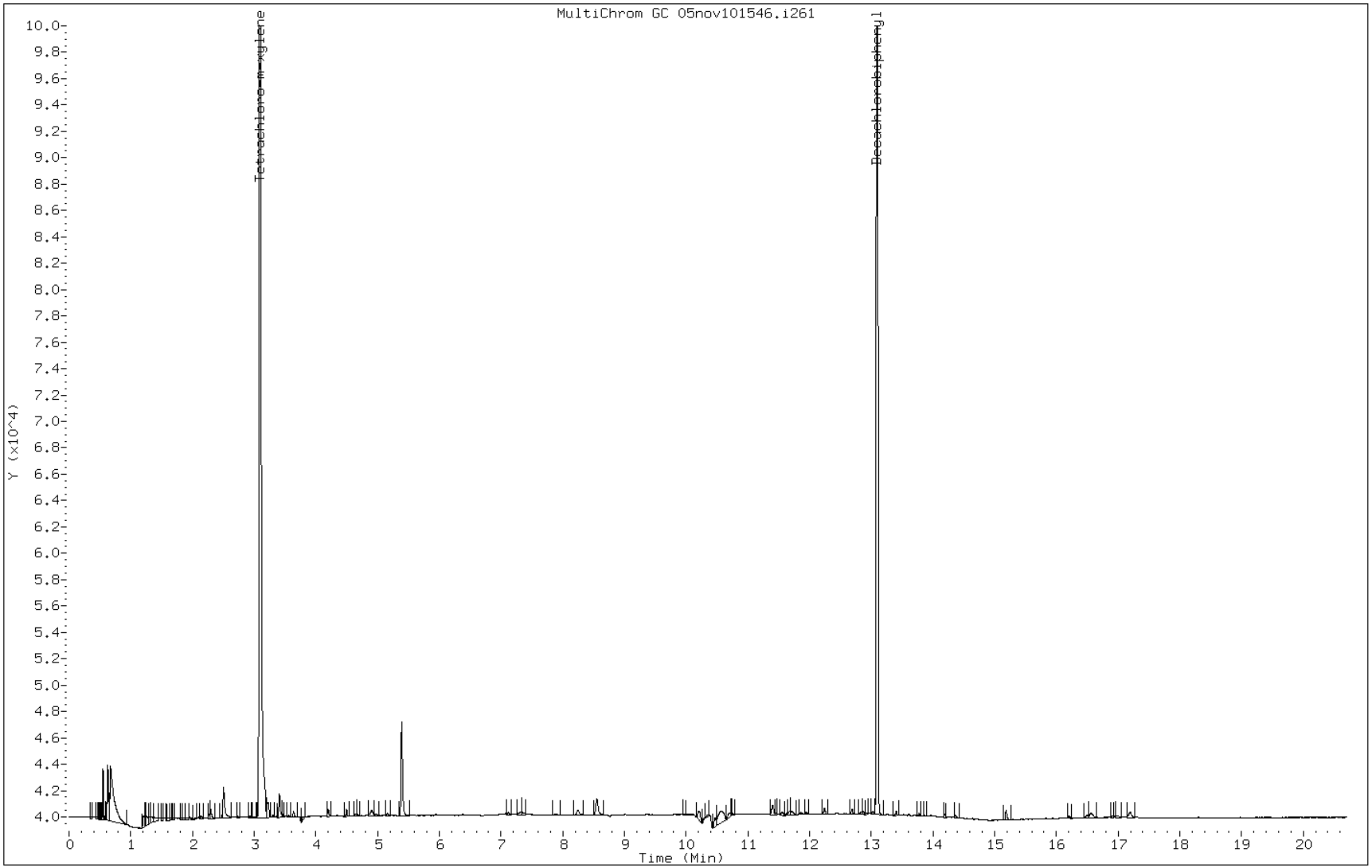
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.097	3.090	0.007	135901	37.3588	37.36	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.094	13.092	0.002	192999	36.4946	36.49	80.00- 120.00	100.00

Data File:	05nov101546-r261.d	Date:	06-NOV-2010 01:57
Client ID:	EQBLKPT	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-14-F		
Lab Sample ID:	200-2079-14		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: EQBLKPT Lab Sample ID: 200-2079-14

Matrix: Tissue Lab File ID: 05nov101546-r261.d

Analysis Method: 8082 Date Collected: 10/20/2010 12:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.12(g) Date Analyzed: 11/06/2010 01:57

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	89		30-130
2051-24-3	DCB Decachlorobiphenyl	85		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-14
Client Smp ID: EQBLKPT
Inj Date : 06-NOV-2010 01:57
Operator : DPD Inst ID: 7227_2.i
Smp Info : 200-2079-A-14-F
Misc Info : 200-2079-A-14-F
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:52 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

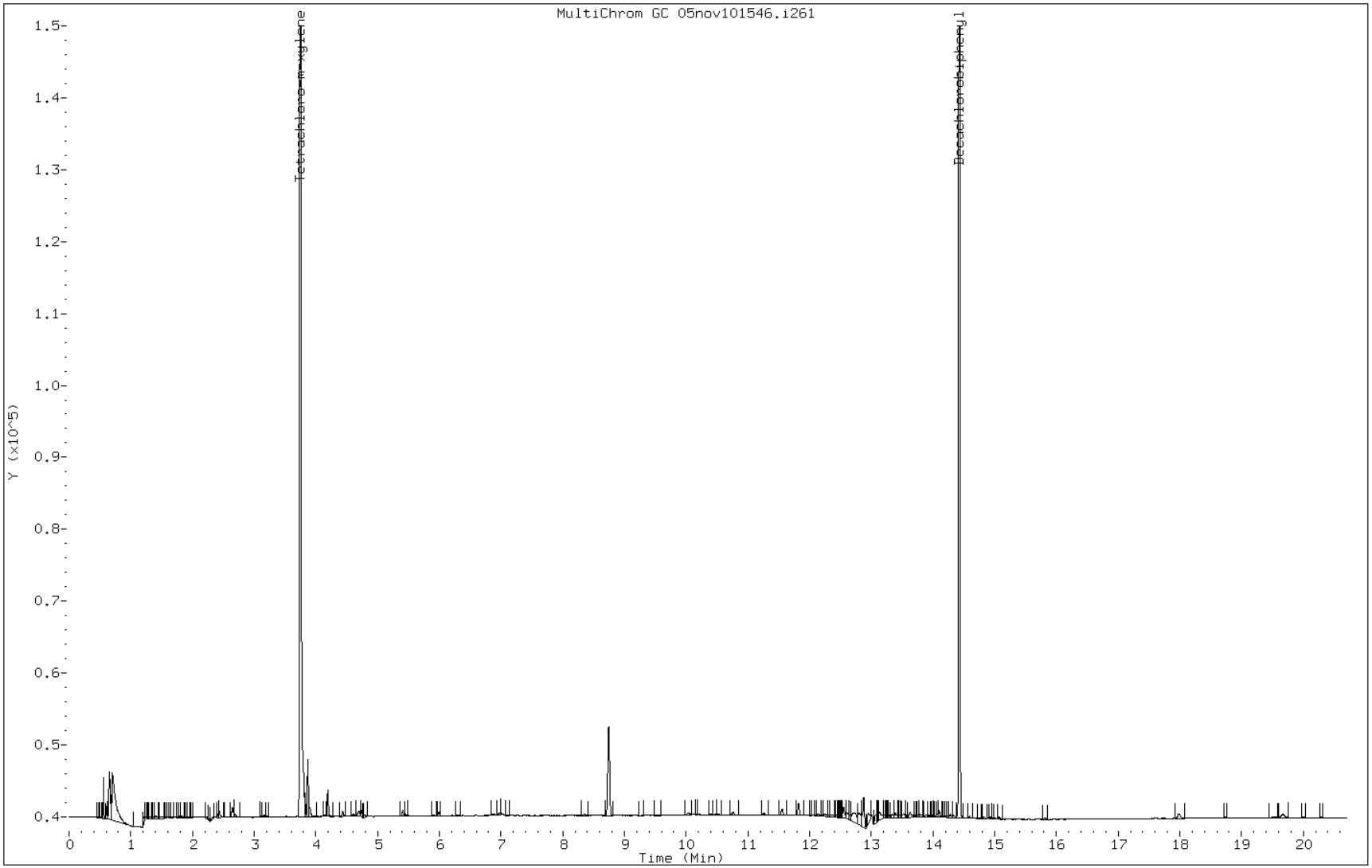
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.748	3.753	-0.005	207040	35.6881	35.69	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.426	14.431	-0.005	227768	33.8172	33.82	80.00- 120.00	100.00

Data File:	05nov101546-r261.d	Date:	06-NOV-2010 01:57
Client ID:	EQBLKPT	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-14-F		
Lab Sample ID:	200-2079-14		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: EQBLKPT RE | Lab Sample ID: 200-2079-14 RE

Matrix: Tissue | Lab File ID: 15dec101459-r241.d

Analysis Method: 8082 | Date Collected: 10/20/2010 12:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.12(g) | Date Analyzed: 12/16/2010 07:03

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	20	U	20	10
11104-28-2	PCB-1221	20	U	20	10
11141-16-5	PCB-1232	20	U	20	10
53469-21-9	PCB-1242	20	U	20	10
12672-29-6	PCB-1248	20	U	20	10
11097-69-1	PCB-1254	20	U	20	10
11096-82-5	PCB-1260	20	U	20	10
37324-23-5	PCB-1262	20	U	20	10
11100-14-4	PCB-1268	20	U	20	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	87	E	30-130
2051-24-3	DCB Decachlorobiphenyl	92	E	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-14
Client Smp ID: EQBLKPT
Inj Date : 16-DEC-2010 07:03
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2079-A-14-I
Misc Info : 200-2079-A-14-I
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 08:03 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

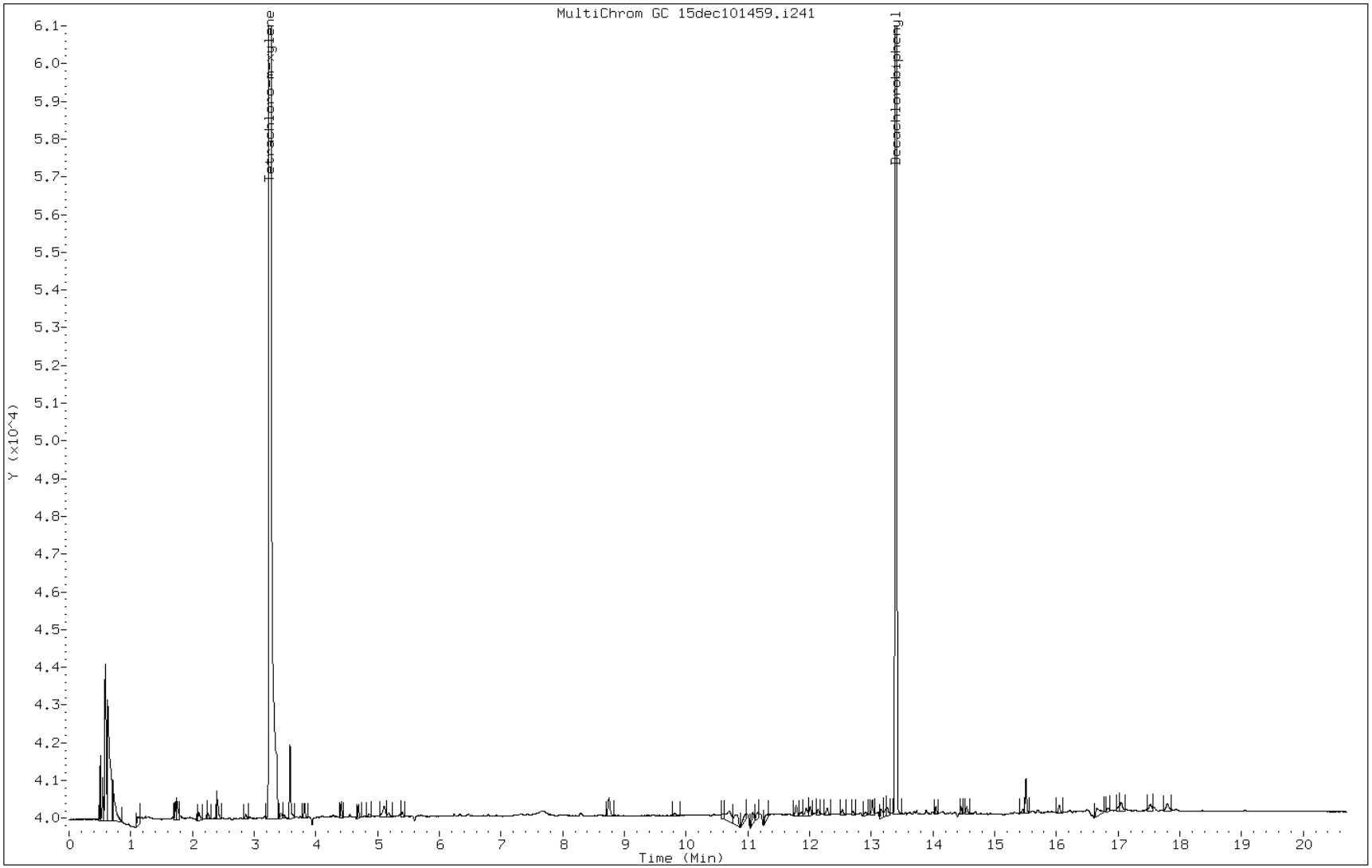
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.256	3.254	0.002	147677	87.0620	87.06	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.400	13.402	-0.002	191593	91.5833	91.58	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r241.d	Date:	16-DEC-2010 07:03
Client ID:	EQBLKPT	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-14-I		
Lab Sample ID:	200-2079-14		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: EQBLKPT RE Lab Sample ID: 200-2079-14 RE

Matrix: Tissue Lab File ID: 15dec101459-r241.d

Analysis Method: 8082 Date Collected: 10/20/2010 12:00

Extraction Method: In-House Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.12(g) Date Analyzed: 12/16/2010 07:03

Con. Extract Vol.: 4000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	85	*E*	30-130
2051-24-3	DCB Decachlorobiphenyl	87	*E*	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-14
Client Smp ID: EQBLKPT
Inj Date : 16-DEC-2010 07:03
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2079-A-14-I
Misc Info : 200-2079-A-14-I
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 09:00 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

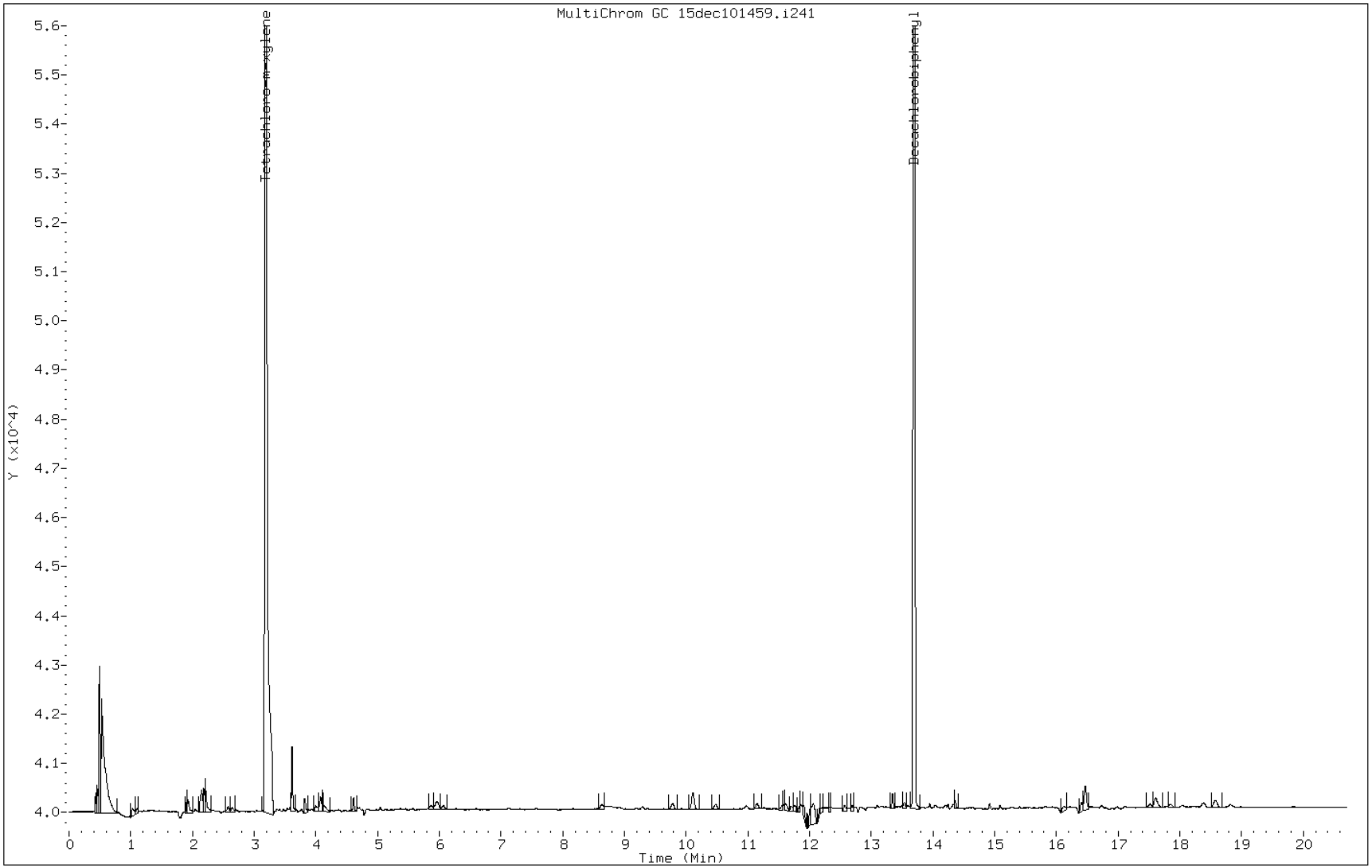
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.185	3.190	-0.005	97526	85.2580	85.26	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.692	13.699	-0.007	116745	86.7622	86.76	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r241.d	Date:	16-DEC-2010 07:03
Client ID:	EQBLKPT	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-14-I		
Lab Sample ID:	200-2079-14		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: EQBLKFT | Lab Sample ID: 200-2079-15

Matrix: Tissue | Lab File ID: 05nov101546-r271.d

Analysis Method: 8082 | Date Collected: 10/20/2010 12:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.04(g) | Date Analyzed: 11/06/2010 02:21

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	51	U	51	25
11104-28-2	PCB-1221	51	U	51	25
11141-16-5	PCB-1232	51	U	51	25
53469-21-9	PCB-1242	51	U	51	25
12672-29-6	PCB-1248	51	U	51	25
11097-69-1	PCB-1254	51	U	51	25
11096-82-5	PCB-1260	51	U	51	25
37324-23-5	PCB-1262	51	U	51	25
11100-14-4	PCB-1268	51	U	51	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	68		30-130
2051-24-3	DCB Decachlorobiphenyl	66		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-15
Client Smp ID: EQBLKFT
Inj Date : 06-NOV-2010 02:21
Operator : DPD Inst ID: 7227_1.i
Smp Info : 200-2079-A-15-F
Misc Info : 200-2079-A-15-F
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 11:05 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

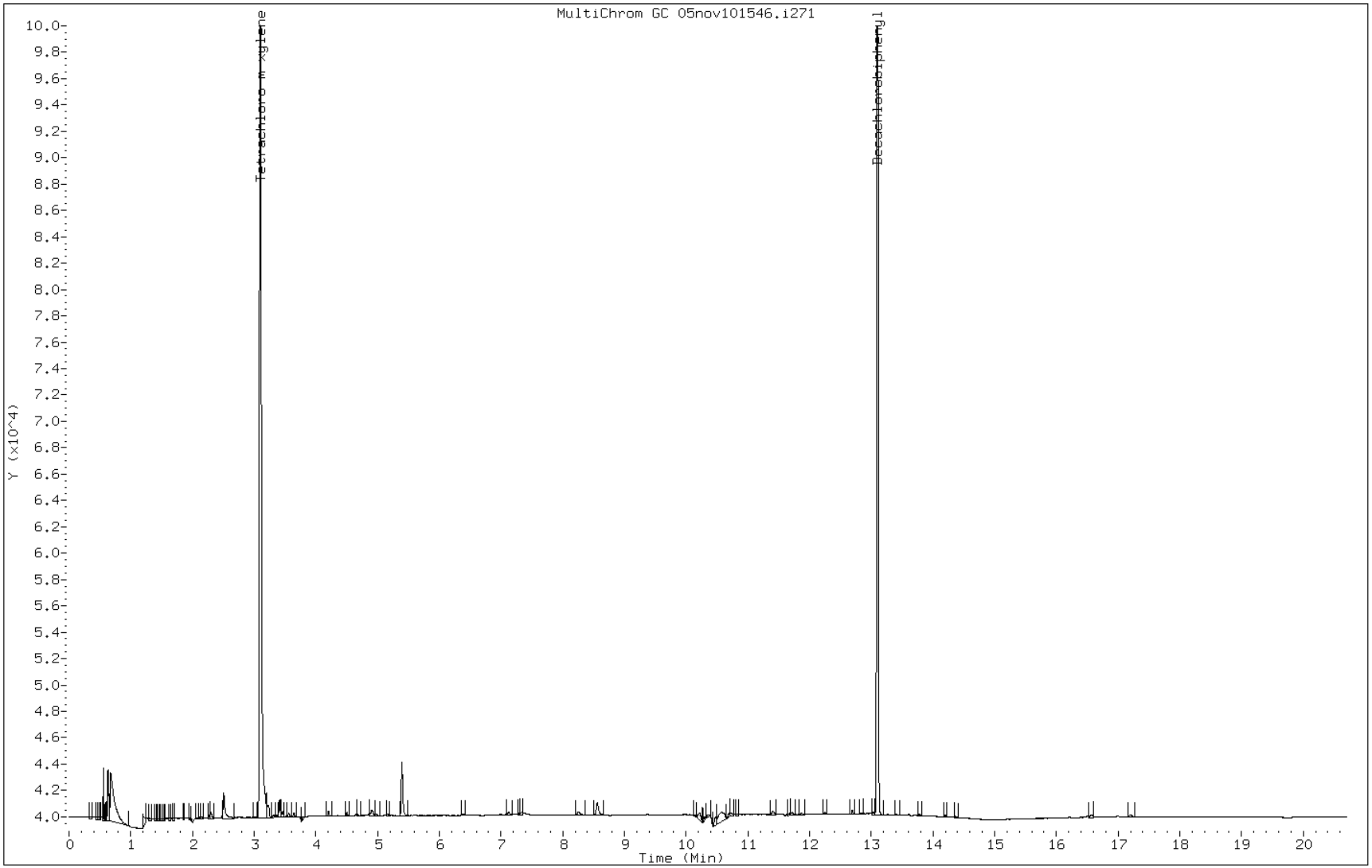
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.101	3.090	0.011	98629	27.1128	27.11	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.101	13.092	0.009	139270	26.3349	26.33	80.00- 120.00	100.00

Data File:	05nov101546-r271.d	Date:	06-NOV-2010 02:21
Client ID:	EQBLKFT	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-15-F		
Lab Sample ID:	200-2079-15		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: EQBLKFT Lab Sample ID: 200-2079-15

Matrix: Tissue Lab File ID: 05nov101546-r271.d

Analysis Method: 8082 Date Collected: 10/20/2010 12:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.04(g) Date Analyzed: 11/06/2010 02:21

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	66		30-130
2051-24-3	DCB Decachlorobiphenyl	61		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-15
Client Smp ID: EQBLKFT
Inj Date : 06-NOV-2010 02:21
Operator : DPD Inst ID: 7227_2.i
Smp Info : 200-2079-A-15-F
Misc Info : 200-2079-A-15-F
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:52 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

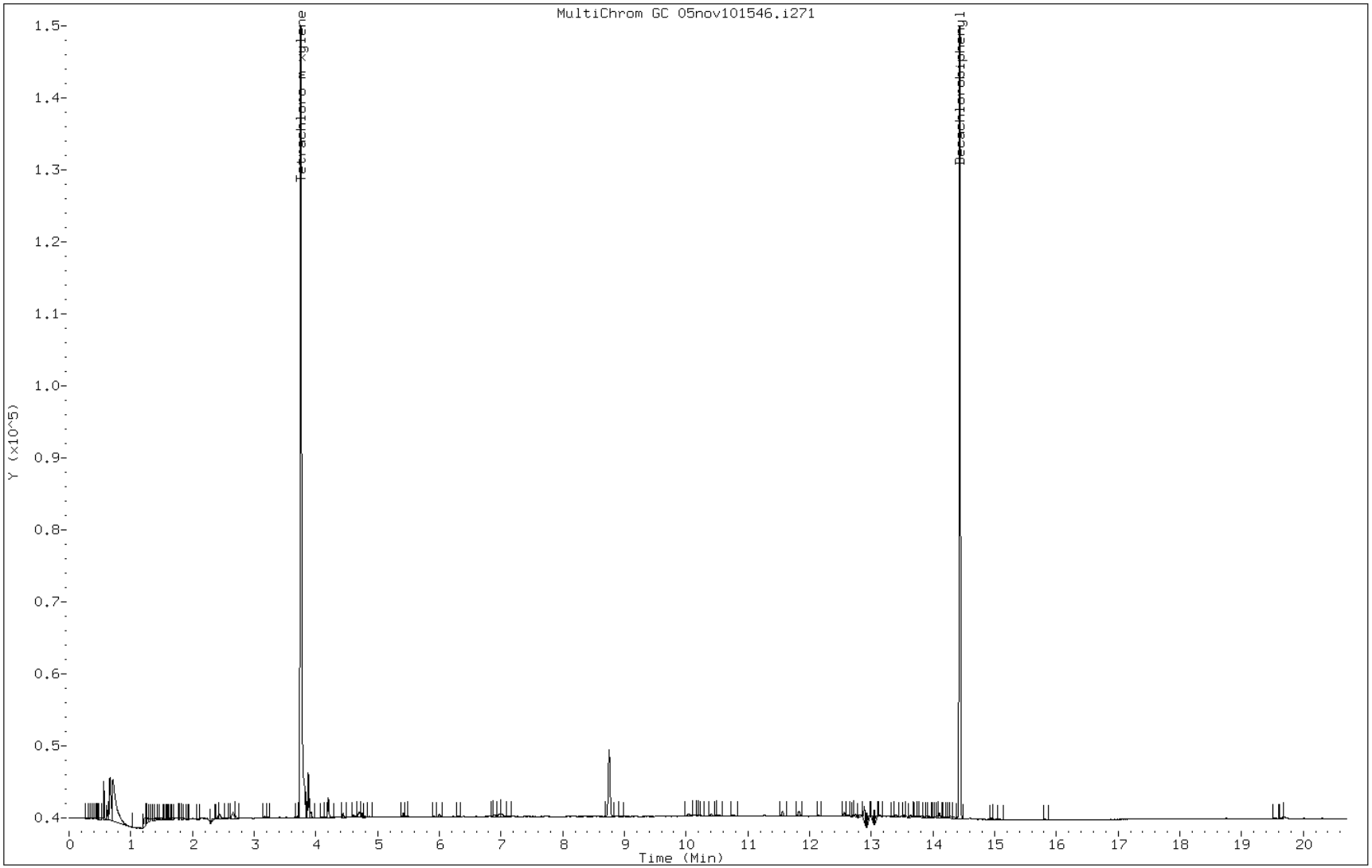
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.757	3.753	0.004	154119	26.5659	26.57	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.433	14.431	0.002	164991	24.4966	24.50	80.00- 120.00	100.00

Data File:	05nov101546-r271.d	Date:	06-NOV-2010 02:21
Client ID:	EQBLKFT	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-15-F		
Lab Sample ID:	200-2079-15		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: EQBLKFT RE | Lab Sample ID: 200-2079-15 RE

Matrix: Tissue | Lab File ID: 15dec101459-r251.d

Analysis Method: 8082 | Date Collected: 10/20/2010 12:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.04(g) | Date Analyzed: 12/16/2010 07:28

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	20	U	20	10
11104-28-2	PCB-1221	20	U	20	10
11141-16-5	PCB-1232	20	U	20	10
53469-21-9	PCB-1242	20	U	20	10
12672-29-6	PCB-1248	20	U	20	10
11097-69-1	PCB-1254	20	U	20	10
11096-82-5	PCB-1260	20	U	20	10
37324-23-5	PCB-1262	20	U	20	10
11100-14-4	PCB-1268	20	U	20	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	63		30-130
2051-24-3	DCB Decachlorobiphenyl	63		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-15
Client Smp ID: EQBLKFT
Inj Date : 16-DEC-2010 07:28
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2079-A-15-I
Misc Info : 200-2079-A-15-I
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 08:03 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

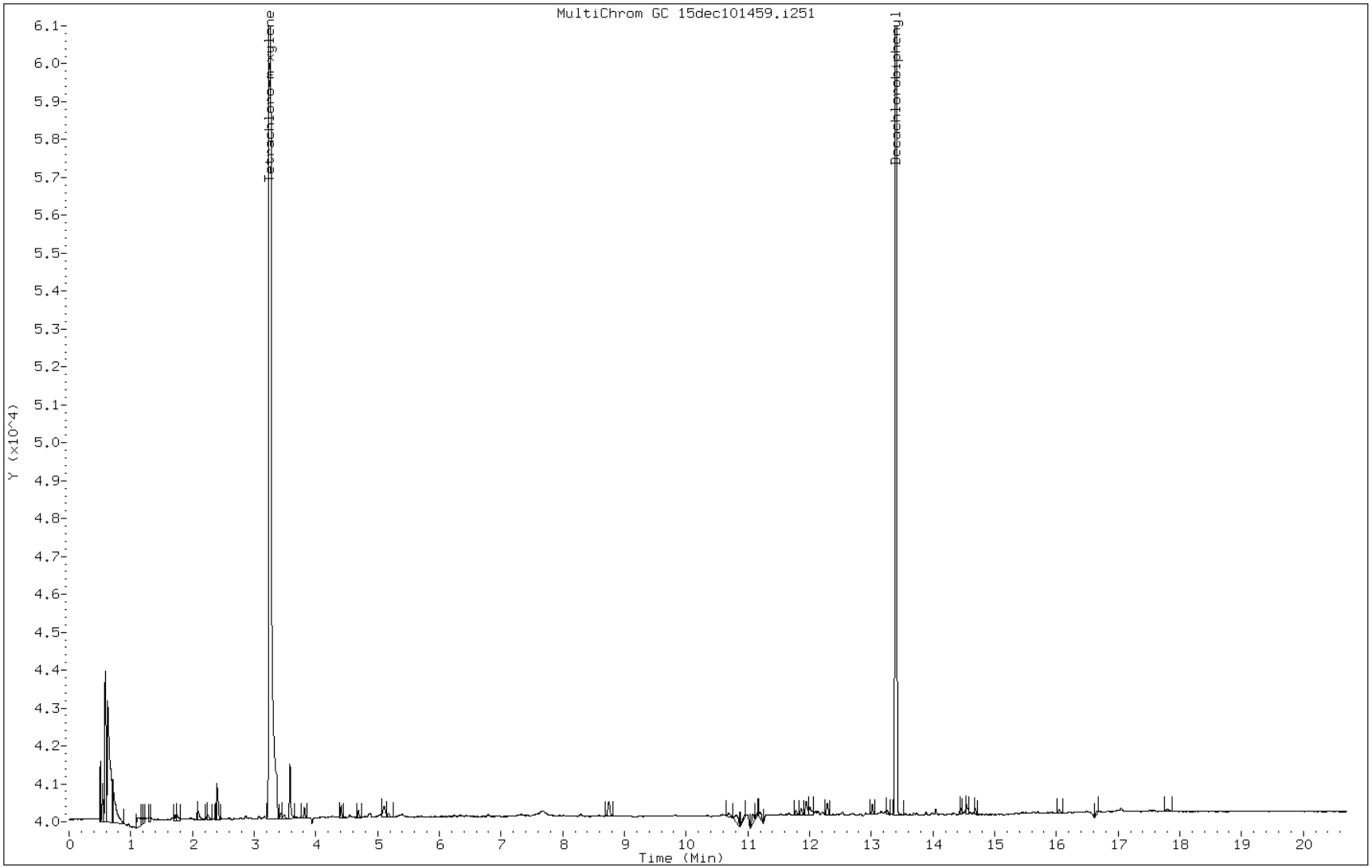
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.254	3.254	0.000	106769	62.9450	62.94	80.00- 120.00	100.00(R)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.400	13.402	-0.002	132071	63.1312	63.13	80.00- 120.00	100.00(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r251.d	Date:	16-DEC-2010 07:28
Client ID:	EQBLKFT	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-15-I		
Lab Sample ID:	200-2079-15		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: EQBLKFT RE | Lab Sample ID: 200-2079-15 RE

Matrix: Tissue | Lab File ID: 15dec101459-r251.d

Analysis Method: 8082 | Date Collected: 10/20/2010 12:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.04(g) | Date Analyzed: 12/16/2010 07:28

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-35 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	63		30-130
2051-24-3	DCB Decachlorobiphenyl	60		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-15
Client Smp ID: EQBLKFT
Inj Date : 16-DEC-2010 07:28
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2079-A-15-I
Misc Info : 200-2079-A-15-I
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 09:00 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

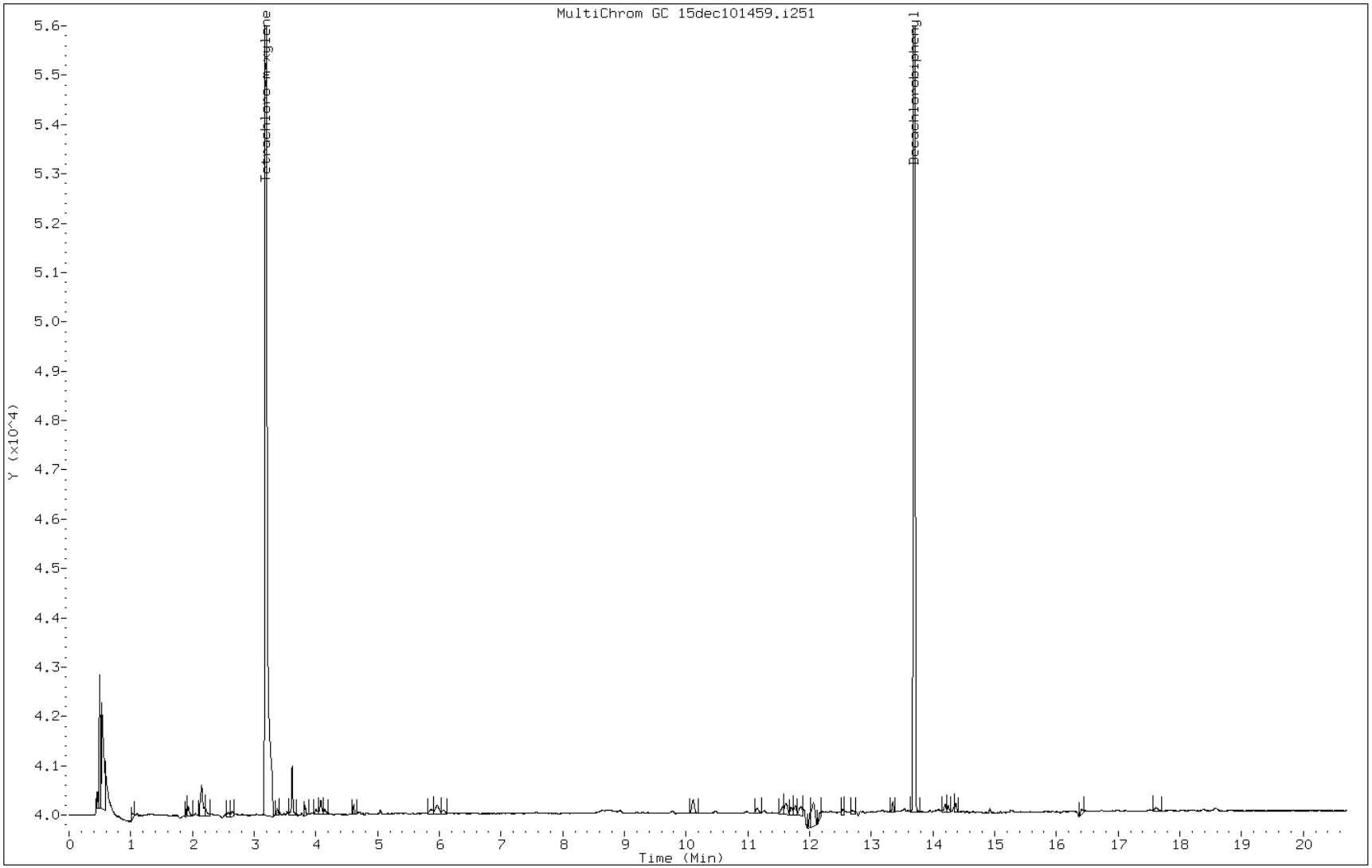
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.188	3.190	-0.002	71817	62.7830	62.78	80.00- 120.00	100.00(R)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.697	13.699	-0.002	81170	60.3237	60.32	80.00- 120.00	100.00(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r251.d	Date:	16-DEC-2010 07:28
Client ID:	EQBLKFT	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-15-I		
Lab Sample ID:	200-2079-15		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: FF10-07 | Lab Sample ID: 200-2081-1

Matrix: Tissue | Lab File ID: 09nov101450-r231.d

Analysis Method: 8082 | Date Collected: 10/20/2010 14:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.73(g) | Date Analyzed: 11/10/2010 00:05

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9333 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	48	U	48	24
11104-28-2	PCB-1221	48	U	48	24
11141-16-5	PCB-1232	48	U	48	24
53469-21-9	PCB-1242	48	U	48	24
12672-29-6	PCB-1248	48	U	48	24
11097-69-1	PCB-1254	460		48	24
37324-23-5	PCB-1262	48	U	48	24
11100-14-4	PCB-1268	48	U	48	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	103		30-130
2051-24-3	DCB Decachlorobiphenyl	84		45-125

TestAmerica Burlington

Lab Sample Id: 200-2081-1
Client Smp ID: FF10-07
Inj Date : 10-NOV-2010 00:05
Operator : SLD Inst ID: 7227_1.i
Smp Info : 200-2081-A-1-F
Misc Info : 200-2081-A-1-F
Comment :
Method : /var/chem/7227_1.i/102210_1/09NOV101450.b/8082_RTX5.m
Meth Date : 10-Nov-2010 08:11 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 07:20 Cal File: 22oct102021-r281.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

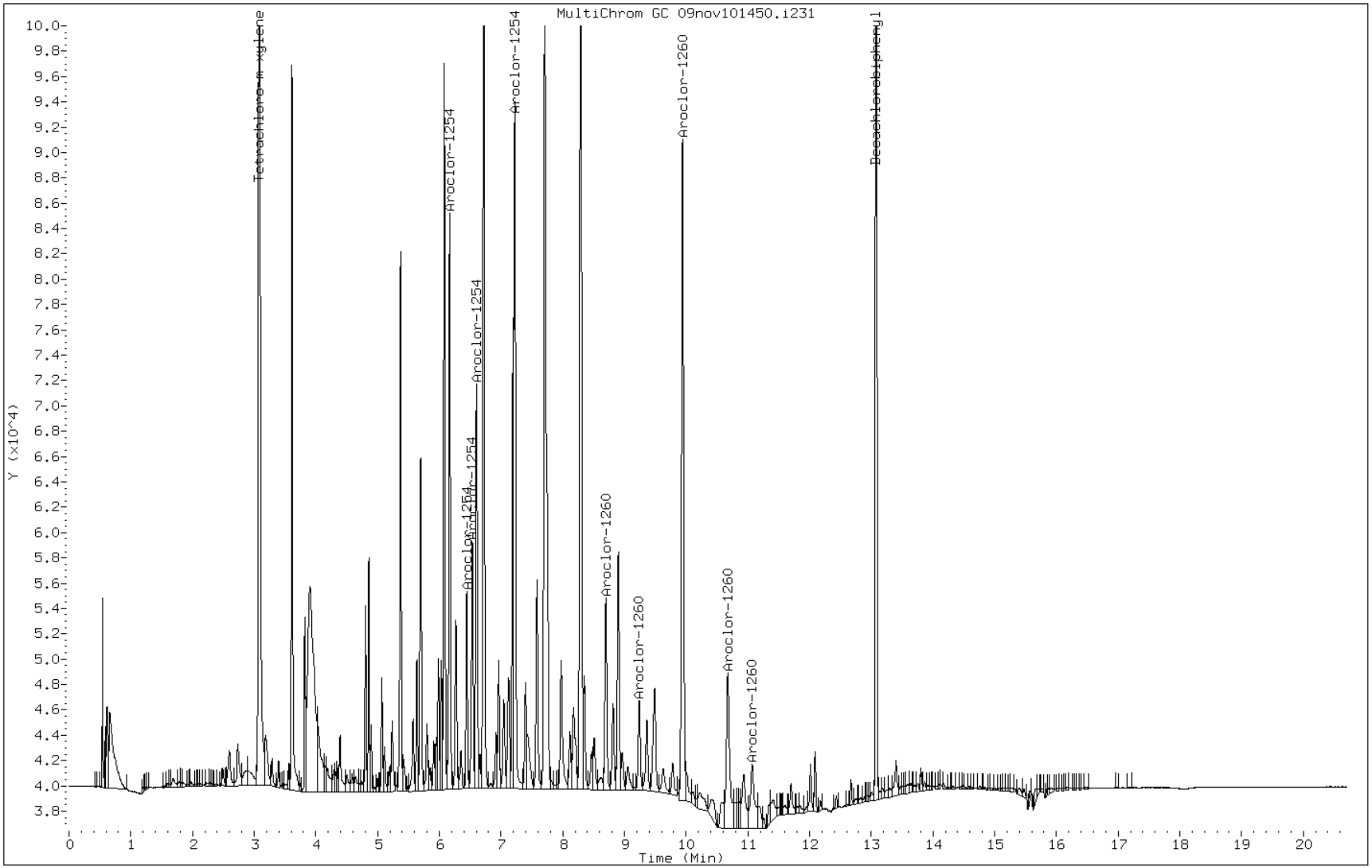
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
6 Aroclor-1254					CAS #: 11097-69-1		
6.167	6.207	-0.040	45477	737.649	737.6	80.00- 120.00	100.00(M)
6.444	6.486	-0.042	15523	286.722	286.7	105.70- 145.70	34.13
6.535	6.577	-0.042	19463	167.027	167.0	132.86- 172.86	42.80
6.601	6.652	-0.051	31941	832.247	832.2	83.52- 123.52	70.24
7.224	7.273	-0.049	54246	429.903	429.9	92.98- 132.98	119.28
		Average of Peak Concentrations =			490.7		
7 Aroclor-1260					CAS #: 11096-82-5		
8.700	8.720	-0.020	15112	126.125	126.1	80.00- 120.00	100.00
9.239	9.261	-0.022	7058	55.9838	55.98	92.64- 132.64	46.70
9.942	9.968	-0.026	52157	185.787	185.8	69.99- 109.99	345.14
10.673	10.698	-0.025	12231	99.2051	99.21	115.64- 155.64	80.94
11.072	11.092	-0.020	5054	65.3140	65.31	57.50- 97.50	33.44
		Average of Peak Concentrations =			106.5		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.083	3.101	-0.018	150520	41.3775	41.38	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.078	13.098	-0.020	177971	33.6530	33.65	80.00- 120.00	100.00

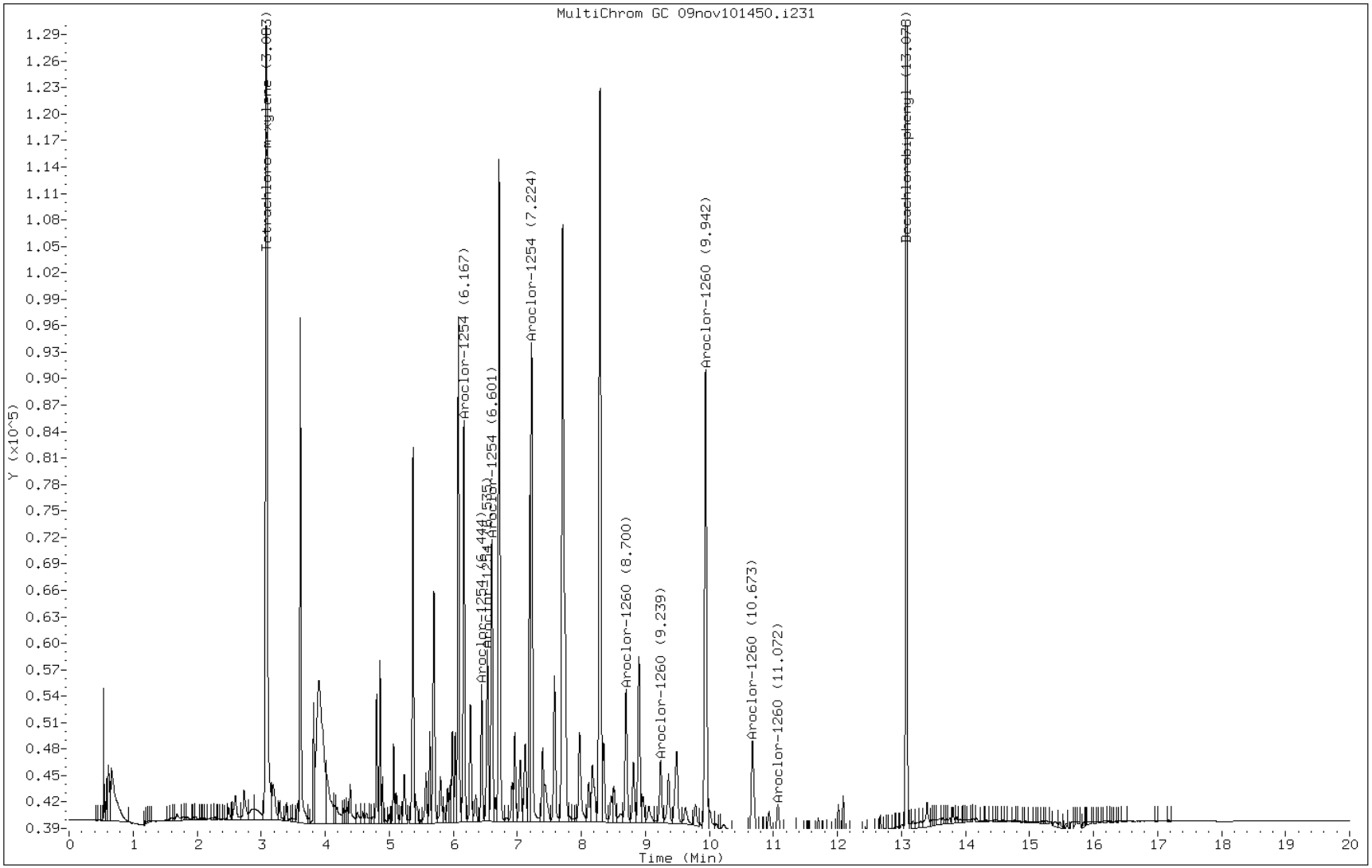
QC Flag Legend

M - Compound response manually integrated.

Data File:	09nov101450-r231.d	Date:	10-NOV-2010 00:05
Client ID:	FF10-07	Instrument:	7227_1.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2081-A-1-F		
Lab Sample ID:	200-2081-1		



Data File:	09nov101450-r231.d	Date:	10-NOV-2010 00:05
Client ID:	FF10-07	Instrument:	7227_1.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	200-2081-A-1-F		



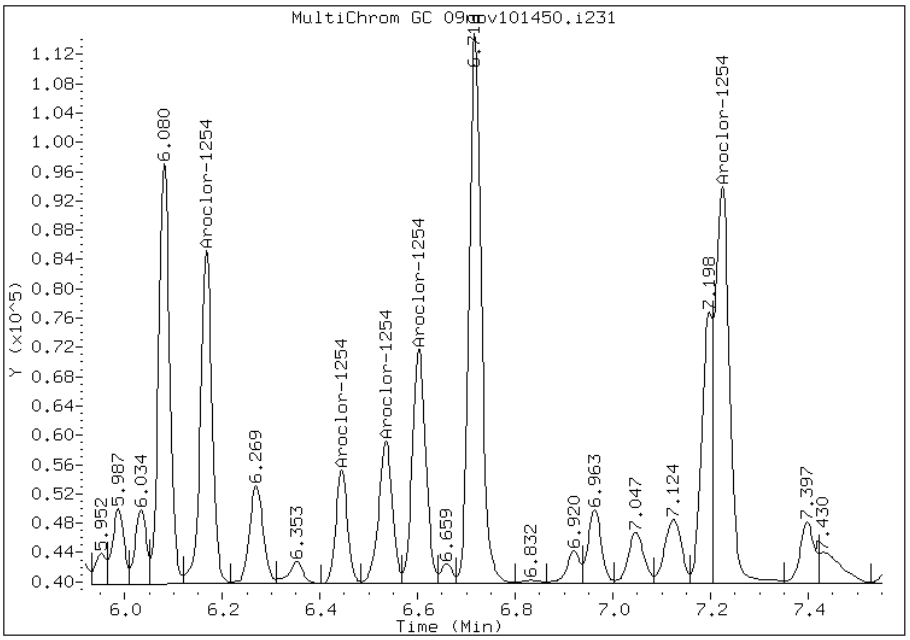
Manual Integration Report

Data File: 09nov101450-r231.d
Inj. Date and Time: 10-NOV-2010 00:05
Instrument ID: 7227_1.i
Client ID: FF10-07
Compound: 6 Aroclor-1254
CAS #: 11097-69-1
Report Date: 11/10/2010

Processing Integration Results

RT	Response	Conc
6.17	45367*	735.87
6.44	15525*	286.76
6.60	31941*	274.11
6.66	2634*	68.63
7.22	54246	429.90

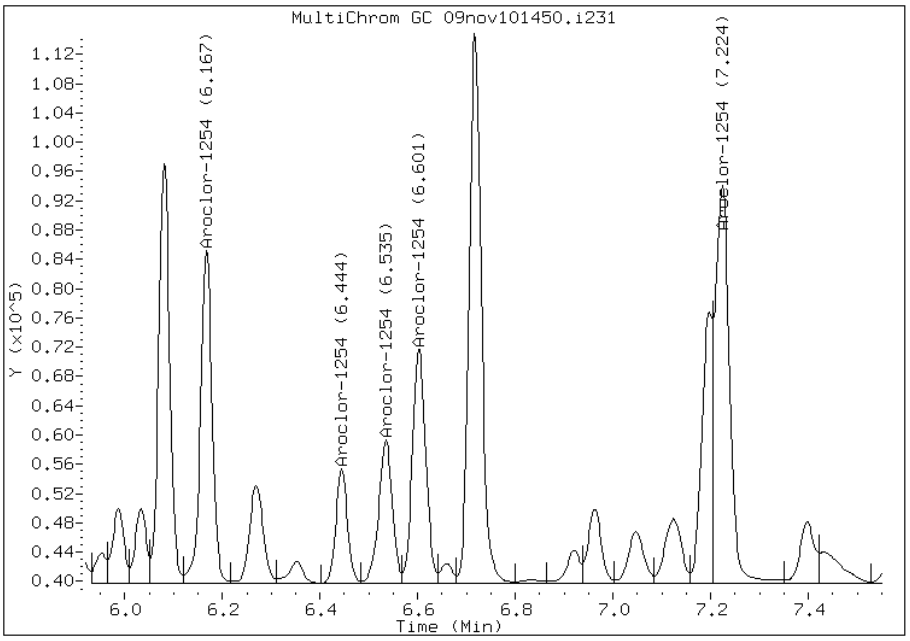
Final Conc		359.10



Manual Integration Results

RT	Response	Conc
6.17	45477*	737.65
6.44	15523*	286.72
6.53	19463*	167.03
6.60	31941*	832.25
7.22	54246	429.90

Final Conc		490.70



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: FF10-07 | Lab Sample ID: 200-2081-1

Matrix: Tissue | Lab File ID: 09nov101450-r231.d

Analysis Method: 8082 | Date Collected: 10/20/2010 14:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.73(g) | Date Analyzed: 11/10/2010 00:05

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-35 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9333 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11096-82-5	PCB-1260	65	p	48	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	95		30-130
2051-24-3	DCB Decachlorobiphenyl	88		45-125

TestAmerica Burlington

Lab Sample Id: 200-2081-1
Client Smp ID: FF10-07
Inj Date : 10-NOV-2010 00:05
Operator : SLD Inst ID: 7227_2.i
Smp Info : 200-2081-A-1-F
Misc Info : 200-2081-A-1-F
Comment :
Method : /var/chem/7227_2.i/102210_1/09NOV101450.b/8082_RTX35.m
Meth Date : 10-Nov-2010 09:28 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

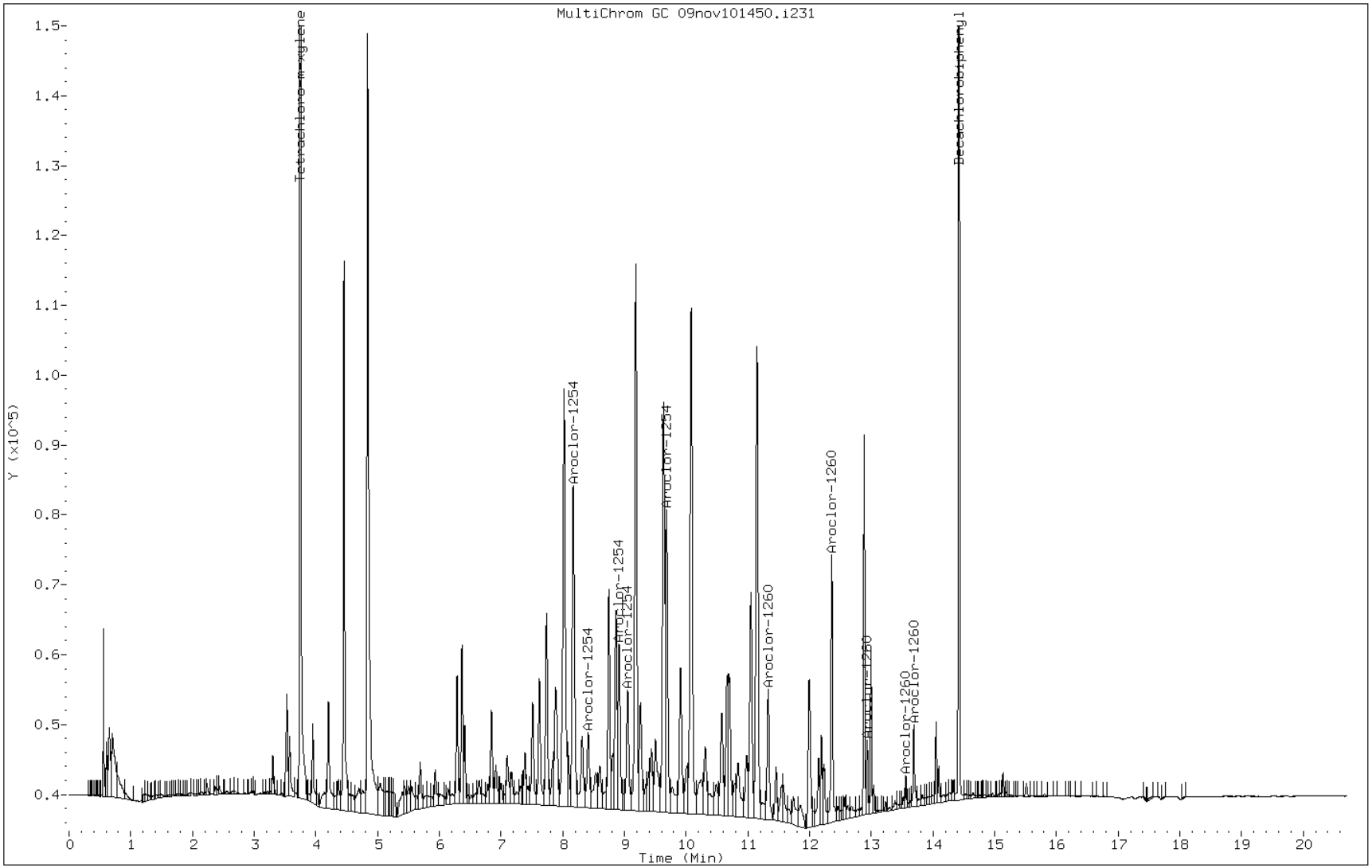
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
6 Aroclor-1254					CAS #: 11097-69-1		
8.168	8.188	-0.020	45976	590.337	590.3	80.00- 120.00	100.00
8.414	8.434	-0.020	10836	193.916	193.9	105.70- 145.70	23.57
8.913	8.935	-0.022	23672	186.958	187.0	132.86- 172.86	51.49
9.051	9.073	-0.022	17169	371.286	371.3	83.52- 123.52	37.34
9.682	9.705	-0.023	43340	397.397	397.4	92.98- 132.98	94.27
		Average of Peak Concentrations =		348.0			
7 Aroclor-1260					CAS #: 11096-82-5		
11.329	11.338	-0.009	18599	114.726	114.7	80.00- 120.00	100.00(H)
12.360	12.369	-0.009	38298	71.1868	71.19	92.64- 132.64	205.91
12.934	12.945	-0.011	10595	56.2816	56.28	69.99- 109.99	56.97
13.562	13.573	-0.011	4622	51.7238	51.72	115.64- 155.64	24.85
13.690	13.699	-0.009	11700	56.6987	56.70	57.50- 97.50	62.91
		Average of Peak Concentrations =		70.12			

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.746	3.753	-0.007	220629	38.0305	38.03	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.419	14.431	-0.012	237346	35.2393	35.24	80.00- 120.00	100.00

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File:	09nov101450-r231.d	Date:	10-NOV-2010 00:05
Client ID:	FF10-07	Instrument:	7227_2.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2081-A-1-F		
Lab Sample ID:	200-2081-1		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: VG10-07 | Lab Sample ID: 200-2081-2

Matrix: Tissue | Lab File ID: 05nov101546-r291.d

Analysis Method: 8082 | Date Collected: 10/20/2010 12:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 9.94(g) | Date Analyzed: 11/06/2010 03:09

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	51	U	51	26
11104-28-2	PCB-1221	51	U	51	26
11141-16-5	PCB-1232	51	U	51	26
53469-21-9	PCB-1242	51	U	51	26
12672-29-6	PCB-1248	51	U	51	26
11097-69-1	PCB-1254	51	U	51	26
11096-82-5	PCB-1260	51	U	51	26
37324-23-5	PCB-1262	51	U	51	26
11100-14-4	PCB-1268	51	U	51	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	97		30-130
2051-24-3	DCB Decachlorobiphenyl	77		45-125

TestAmerica Burlington

Lab Sample Id: 200-2081-2
Client Smp ID: VG10-07
Inj Date : 06-NOV-2010 03:09
Operator : DPD Inst ID: 7227_1.i
Smp Info : 200-2081-A-2-F
Misc Info : 200-2081-A-2-F
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 11:05 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

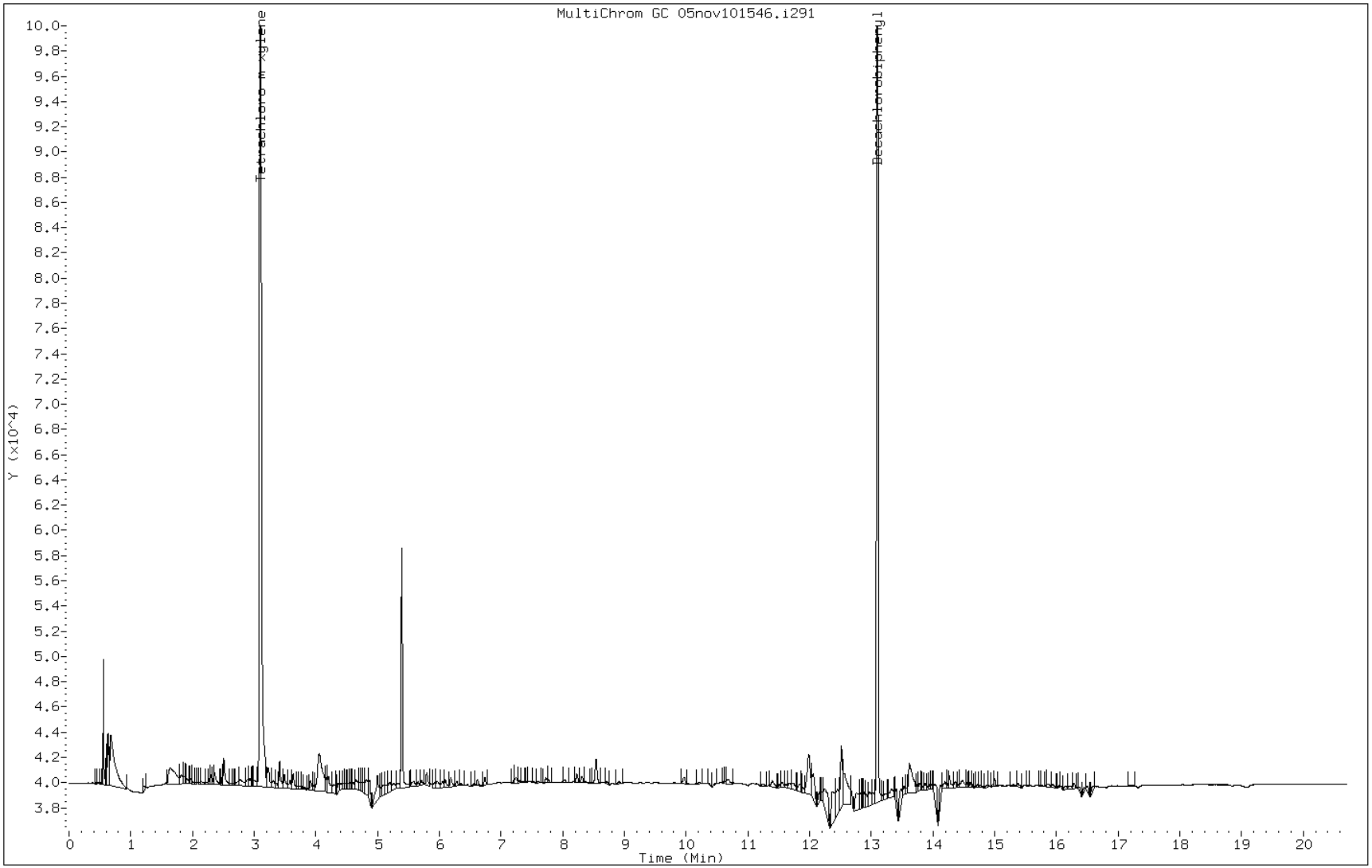
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.101	3.090	0.011	140894	38.7314	38.73	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.098	13.092	0.006	162102	30.6523	30.65	80.00- 120.00	100.00

Data File:	05nov101546-r291.d	Date:	06-NOV-2010 03:09
Client ID:	VG10-07	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2081-A-2-F		
Lab Sample ID:	200-2081-2		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: VG10-07 Lab Sample ID: 200-2081-2

Matrix: Tissue Lab File ID: 05nov101546-r291.d

Analysis Method: 8082 Date Collected: 10/20/2010 12:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 9.94(g) Date Analyzed: 11/06/2010 03:09

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	87		30-130
2051-24-3	DCB Decachlorobiphenyl	79		45-125

TestAmerica Burlington

Lab Sample Id: 200-2081-2
Client Smp ID: VG10-07
Inj Date : 06-NOV-2010 03:09
Operator : DPD Inst ID: 7227_2.i
Smp Info : 200-2081-A-2-F
Misc Info : 200-2081-A-2-F
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:52 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

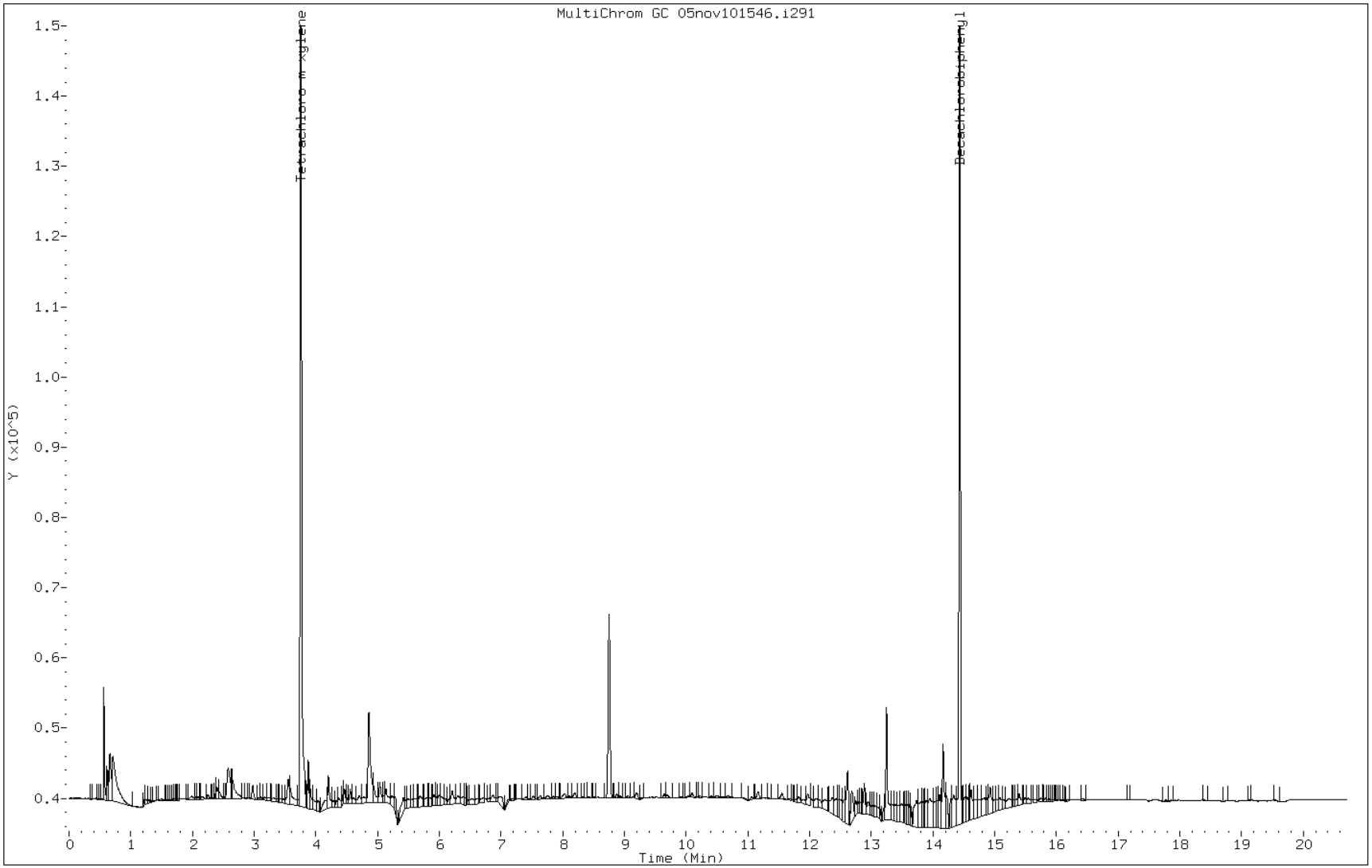
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.757	3.753	0.004	201254	34.6907	34.69	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.433	14.431	0.002	213963	31.7675	31.77	80.00- 120.00	100.00

Data File:	05nov101546-r291.d	Date:	06-NOV-2010 03:09
Client ID:	VG10-07	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2081-A-2-F		
Lab Sample ID:	200-2081-2		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: VG10-07 RE | Lab Sample ID: 200-2081-2 RE

Matrix: Tissue | Lab File ID: 15dec101459-r261.d

Analysis Method: 8082 | Date Collected: 10/20/2010 12:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 9.94(g) | Date Analyzed: 12/16/2010 07:53

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	21	U	21	10
11104-28-2	PCB-1221	21	U	21	10
11141-16-5	PCB-1232	21	U	21	10
53469-21-9	PCB-1242	21	U	21	10
12672-29-6	PCB-1248	21	U	21	10
11097-69-1	PCB-1254	21	U	21	10
11096-82-5	PCB-1260	21	U	21	10
37324-23-5	PCB-1262	21	U	21	10
11100-14-4	PCB-1268	21	U	21	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	68		30-130
2051-24-3	DCB Decachlorobiphenyl	60		45-125

TestAmerica Burlington

Lab Sample Id: 200-2081-2
Client Smp ID: VG10-07
Inj Date : 16-DEC-2010 07:53
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2081-A-2-I
Misc Info : 200-2081-A-2-I
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 08:03 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

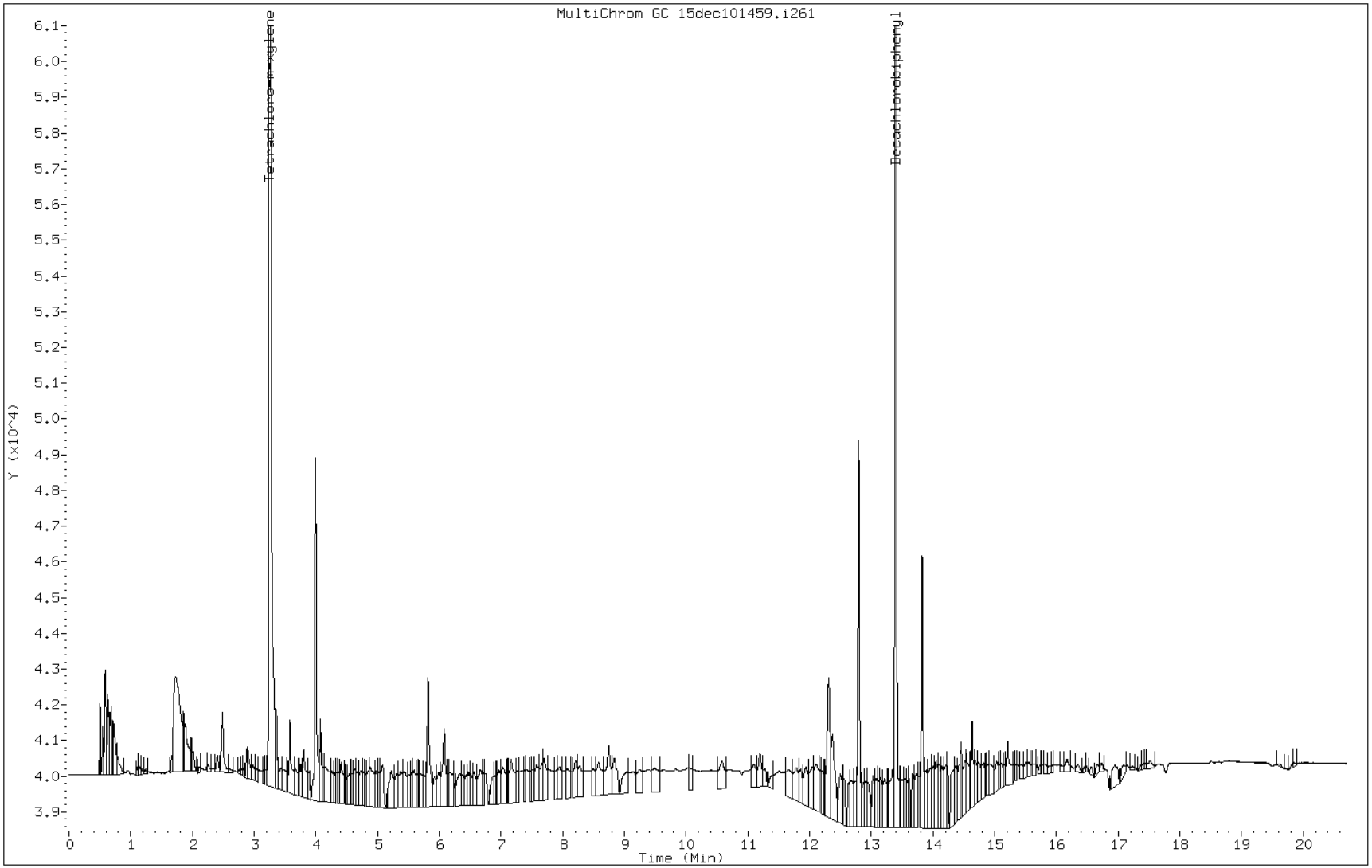
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.254	3.254	0.000	115700	68.2102	68.21	80.00- 120.00	100.00(RM)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.400	13.402	-0.002	125568	60.0227	60.02	80.00- 120.00	100.00(RM)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r261.d	Date:	16-DEC-2010 07:53
Client ID:	VG10-07	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2081-A-2-I		
Lab Sample ID:	200-2081-2		



Manual Integration Report

Data File: 15dec101459-r261.d
Lab Sample ID: 200-2081-2
Inj. Date and Time: 16-DEC-2010 07:53
Instrument ID: 3283_1.i
Client ID: VG10-07
Compound: 10 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 12/16/2010

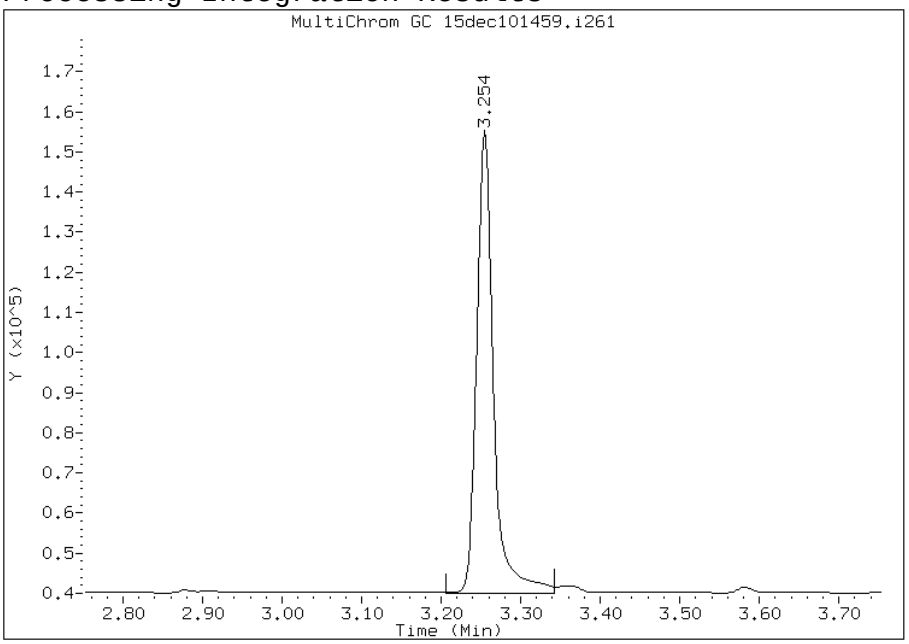
Processing Integration Results

RT: 3.25

Response: 115391

Amount: 68.03

Conc: 68.03



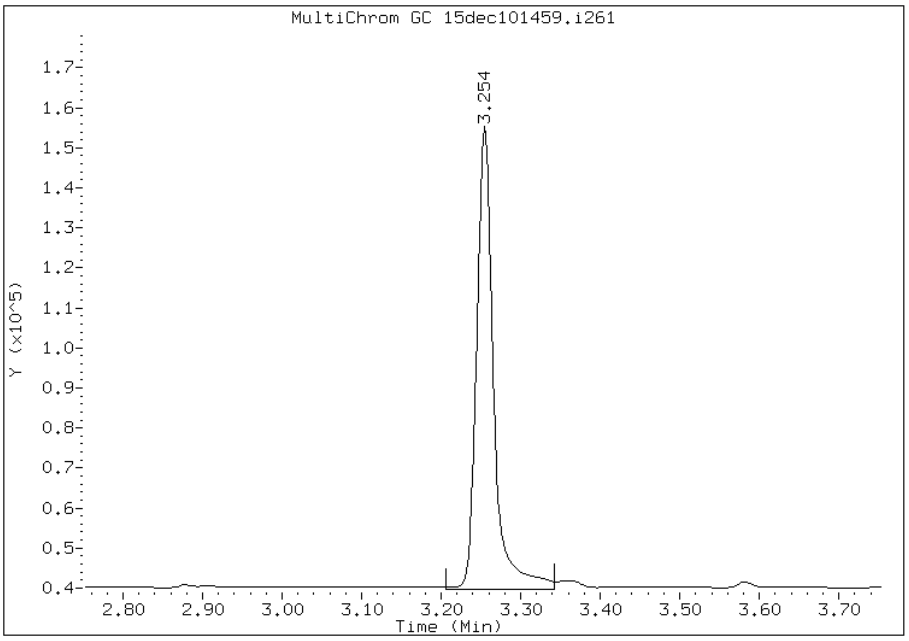
Manual Integration Results

RT: 3.25

Response: 115700

Amount: 68.21

Conc: 68.21



File Uploaded By: sld
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 15dec101459-r261.d
Lab Sample ID: 200-2081-2
Inj. Date and Time: 16-DEC-2010 07:53
Instrument ID: 3283_1.i
Client ID: VG10-07
Compound: 11 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 12/16/2010

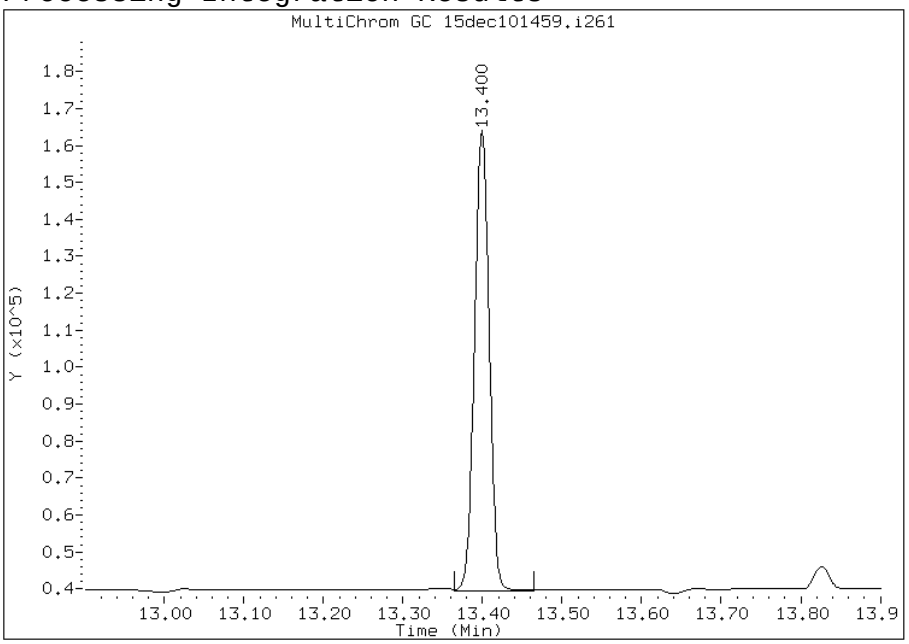
Processing Integration Results

RT: 13.40

Response: 124619

Amount: 59.57

Conc: 59.57



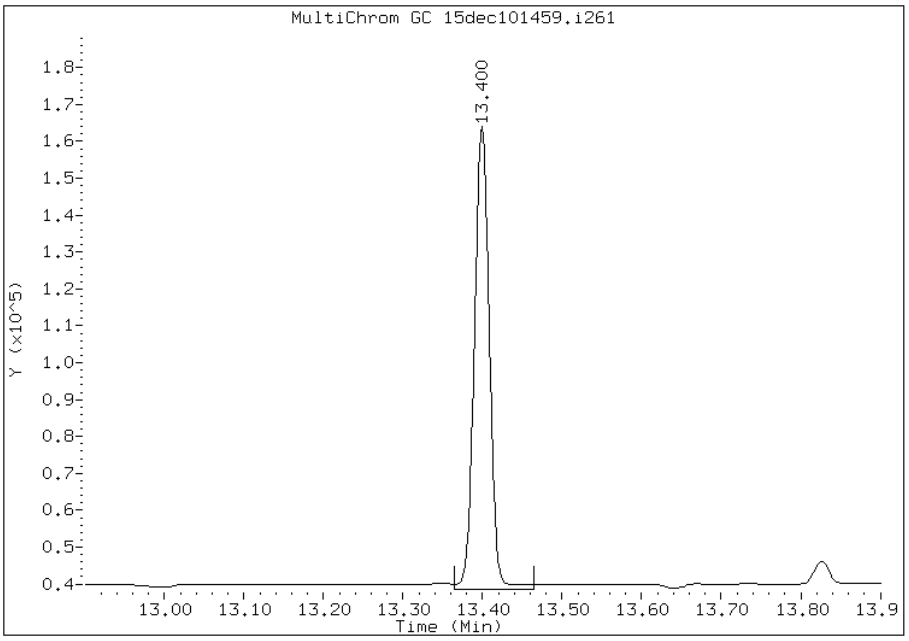
Manual Integration Results

RT: 13.40

Response: 125568

Amount: 60.02

Conc: 60.02



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: VG10-07 RE Lab Sample ID: 200-2081-2 RE

Matrix: Tissue Lab File ID: 15dec101459-r261.d

Analysis Method: 8082 Date Collected: 10/20/2010 12:00

Extraction Method: In-House Date Extracted: 11/30/2010 09:35

Sample wt/vol: 9.94(g) Date Analyzed: 12/16/2010 07:53

Con. Extract Vol.: 4000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	62		30-130
2051-24-3	DCB Decachlorobiphenyl	63		45-125

TestAmerica Burlington

Lab Sample Id: 200-2081-2
Client Smp ID: VG10-07
Inj Date : 16-DEC-2010 07:53
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2081-A-2-I
Misc Info : 200-2081-A-2-I
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 09:00 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

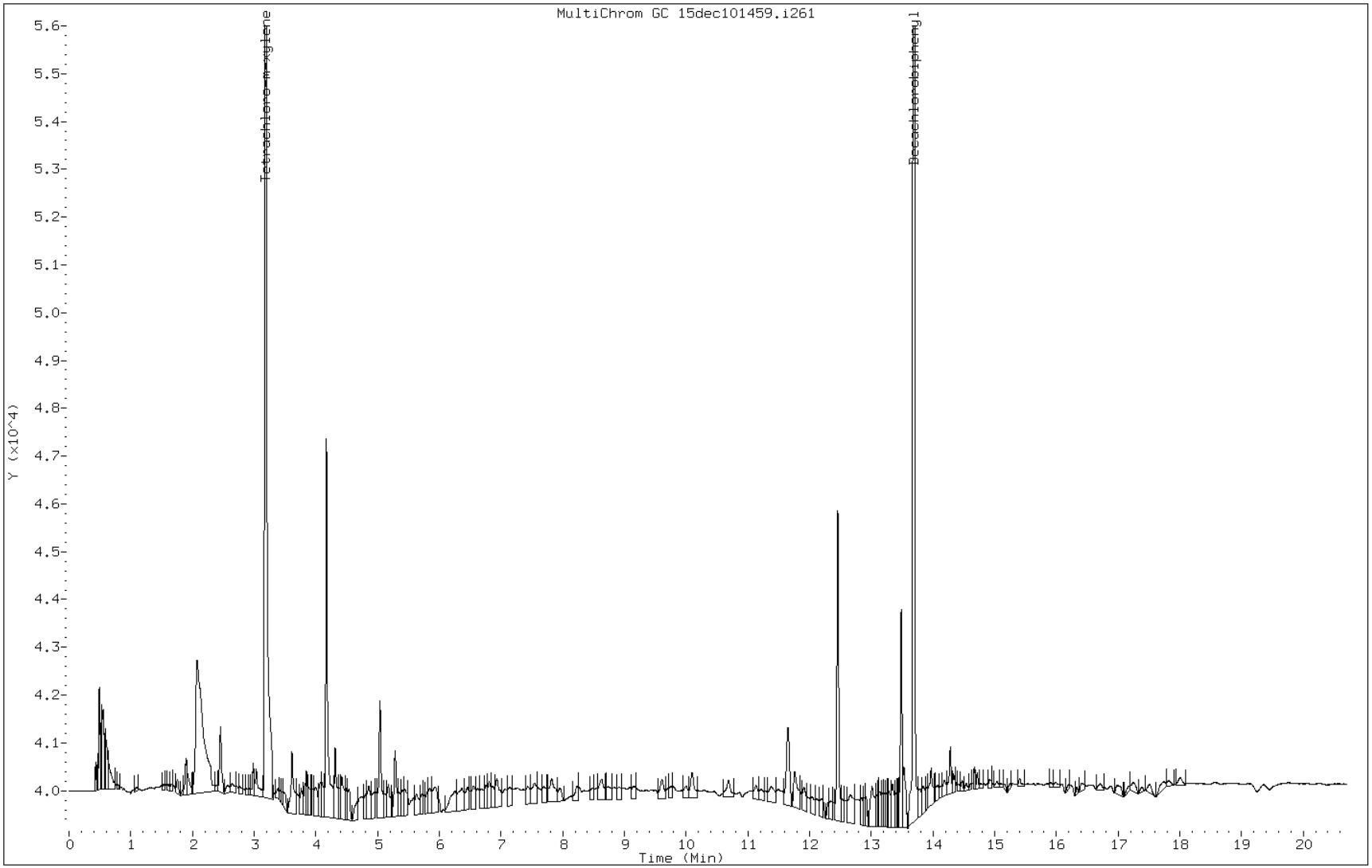
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.183	3.190	-0.007	71140	62.1912	62.19	80.00- 120.00	100.00(R)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.690	13.699	-0.009	85376	63.4495	63.45	80.00- 120.00	100.00(RM)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r261.d	Date:	16-DEC-2010 07:53
Client ID:	VG10-07	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2081-A-2-I		
Lab Sample ID:	200-2081-2		



Manual Integration Report

Data File: 15dec101459-r261.d
Lab Sample ID: 200-2081-2
Inj. Date and Time: 16-DEC-2010 07:53
Instrument ID: 3283_2.i
Client ID: VG10-07
Compound: 11 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 12/16/2010

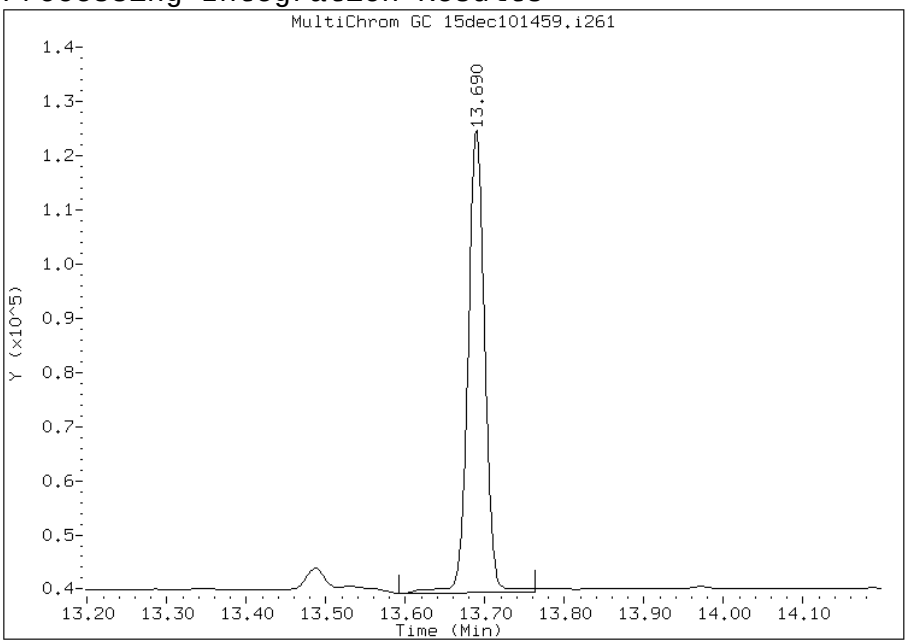
Processing Integration Results

RT: 13.69

Response: 85382

Amount: 63.45

Conc: 63.45



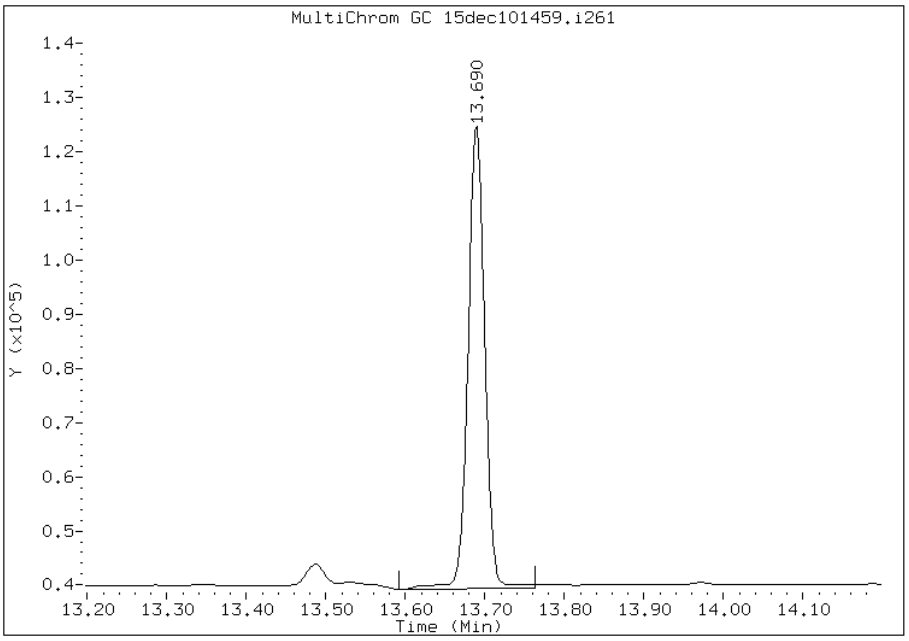
Manual Integration Results

RT: 13.69

Response: 85376

Amount: 63.45

Conc: 63.45



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: VG10-15 | Lab Sample ID: 200-2081-3

Matrix: Tissue | Lab File ID: 05nov101546-r301.d

Analysis Method: 8082 | Date Collected: 10/20/2010 13:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 9.79(g) | Date Analyzed: 11/06/2010 03:33

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	52	U	52	26
11104-28-2	PCB-1221	52	U	52	26
11141-16-5	PCB-1232	52	U	52	26
53469-21-9	PCB-1242	52	U	52	26
12672-29-6	PCB-1248	52	U	52	26
11097-69-1	PCB-1254	52	U	52	26
11096-82-5	PCB-1260	52	U	52	26
37324-23-5	PCB-1262	52	U	52	26
11100-14-4	PCB-1268	52	U	52	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	98		30-130
2051-24-3	DCB Decachlorobiphenyl	80		45-125

TestAmerica Burlington

Lab Sample Id: 200-2081-3
Client Smp ID: VG10-15
Inj Date : 06-NOV-2010 03:33
Operator : DPD Inst ID: 7227_1.i
Smp Info : 200-2081-A-3-F
Misc Info : 200-2081-A-3-F
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 11:05 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

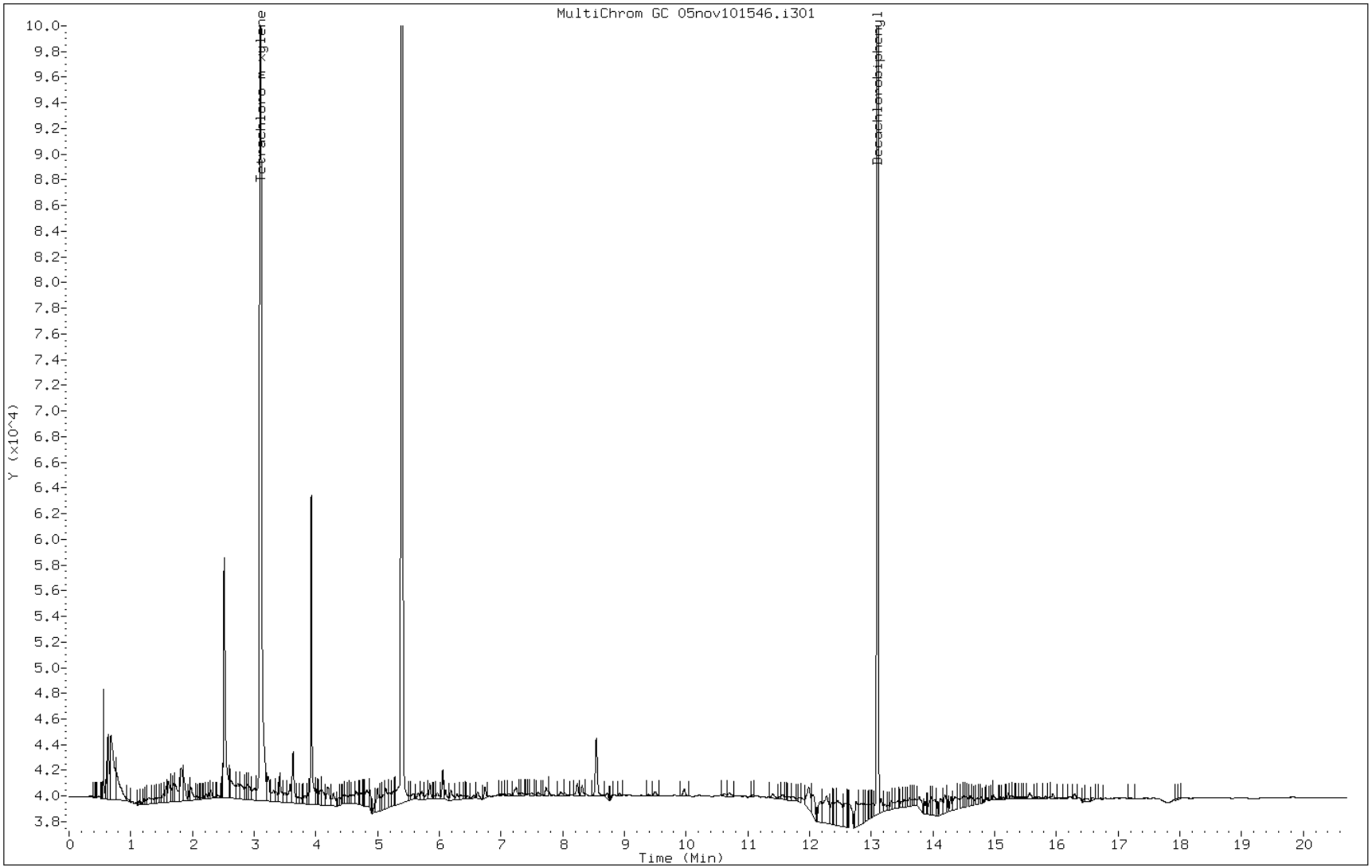
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.103	3.090	0.013	141883	39.0032	39.00	80.00- 120.00	100.00(M)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.101	13.092	0.009	169987	32.1432	32.14	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File:	05nov101546-r301.d	Date:	06-NOV-2010 03:33
Client ID:	VG10-15	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2081-A-3-F		
Lab Sample ID:	200-2081-3		



Manual Integration Report

Data File: 05nov101546-r301.d
Lab Sample ID: 200-2081-3
Inj. Date and Time: 06-NOV-2010 03:33
Instrument ID: 7227_1.i
Client ID: VG10-15
Compound: 10 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 11/10/2010

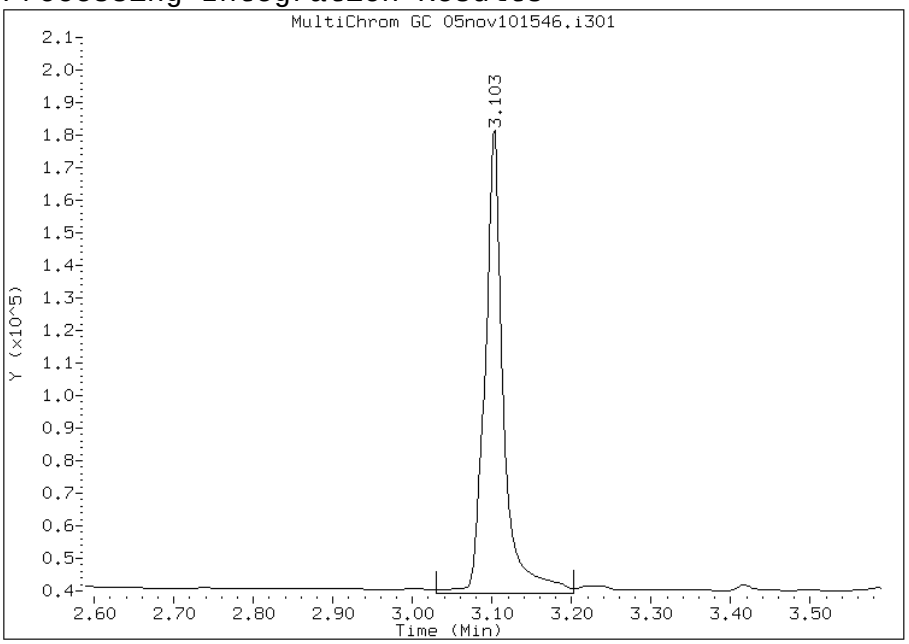
Processing Integration Results

RT: 3.10

Response: 142293

Amount: 39.12

Conc: 39.12



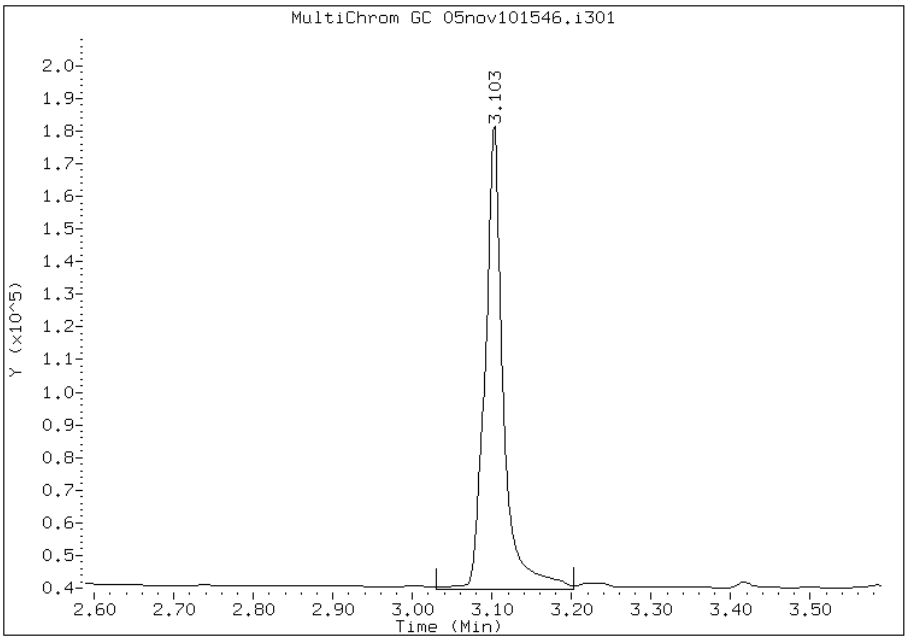
Manual Integration Results

RT: 3.10

Response: 141883

Amount: 39.00

Conc: 39.00



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: VG10-15 Lab Sample ID: 200-2081-3

Matrix: Tissue Lab File ID: 05nov101546-r301.d

Analysis Method: 8082 Date Collected: 10/20/2010 13:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 9.79(g) Date Analyzed: 11/06/2010 03:33

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	86		30-130
2051-24-3	DCB Decachlorobiphenyl	81		45-125

TestAmerica Burlington

Lab Sample Id: 200-2081-3
Client Smp ID: VG10-15
Inj Date : 06-NOV-2010 03:33
Operator : DPD Inst ID: 7227_2.i
Smp Info : 200-2081-A-3-F
Misc Info : 200-2081-A-3-F
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:52 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

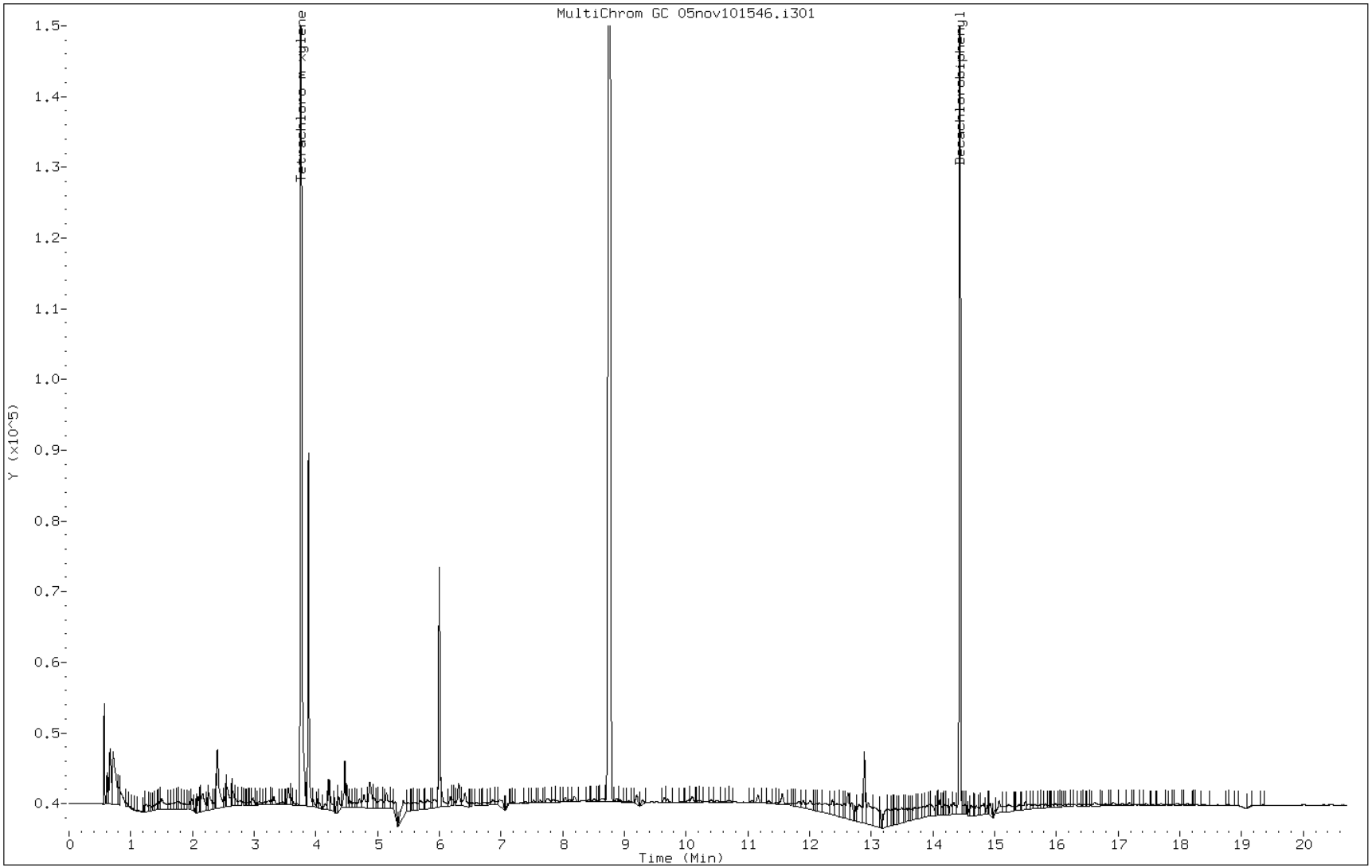
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.759	3.753	0.006	200345	34.5341	34.53	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.435	14.431	0.004	217531	32.2973	32.30	80.00- 120.00	100.00

Data File:	05nov101546-r301.d	Date:	06-NOV-2010 03:33
Client ID:	VG10-15	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2081-A-3-F		
Lab Sample ID:	200-2081-3		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: VG10-15 RE | Lab Sample ID: 200-2081-3 RE

Matrix: Tissue | Lab File ID: 15dec101459-r271.d

Analysis Method: 8082 | Date Collected: 10/20/2010 13:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 9.79(g) | Date Analyzed: 12/16/2010 08:19

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	21	U	21	10
11104-28-2	PCB-1221	21	U	21	10
11141-16-5	PCB-1232	21	U	21	10
53469-21-9	PCB-1242	21	U	21	10
12672-29-6	PCB-1248	21	U	21	10
11097-69-1	PCB-1254	21	U	21	10
11096-82-5	PCB-1260	21	U	21	10
37324-23-5	PCB-1262	21	U	21	10
11100-14-4	PCB-1268	21	U	21	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	88	E	30-130
2051-24-3	DCB Decachlorobiphenyl	79		45-125

TestAmerica Burlington

Lab Sample Id: 200-2081-3
Client Smp ID: VG10-15
Inj Date : 16-DEC-2010 08:19
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2081-A-3-I
Misc Info : 200-2081-A-3-I
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 08:03 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

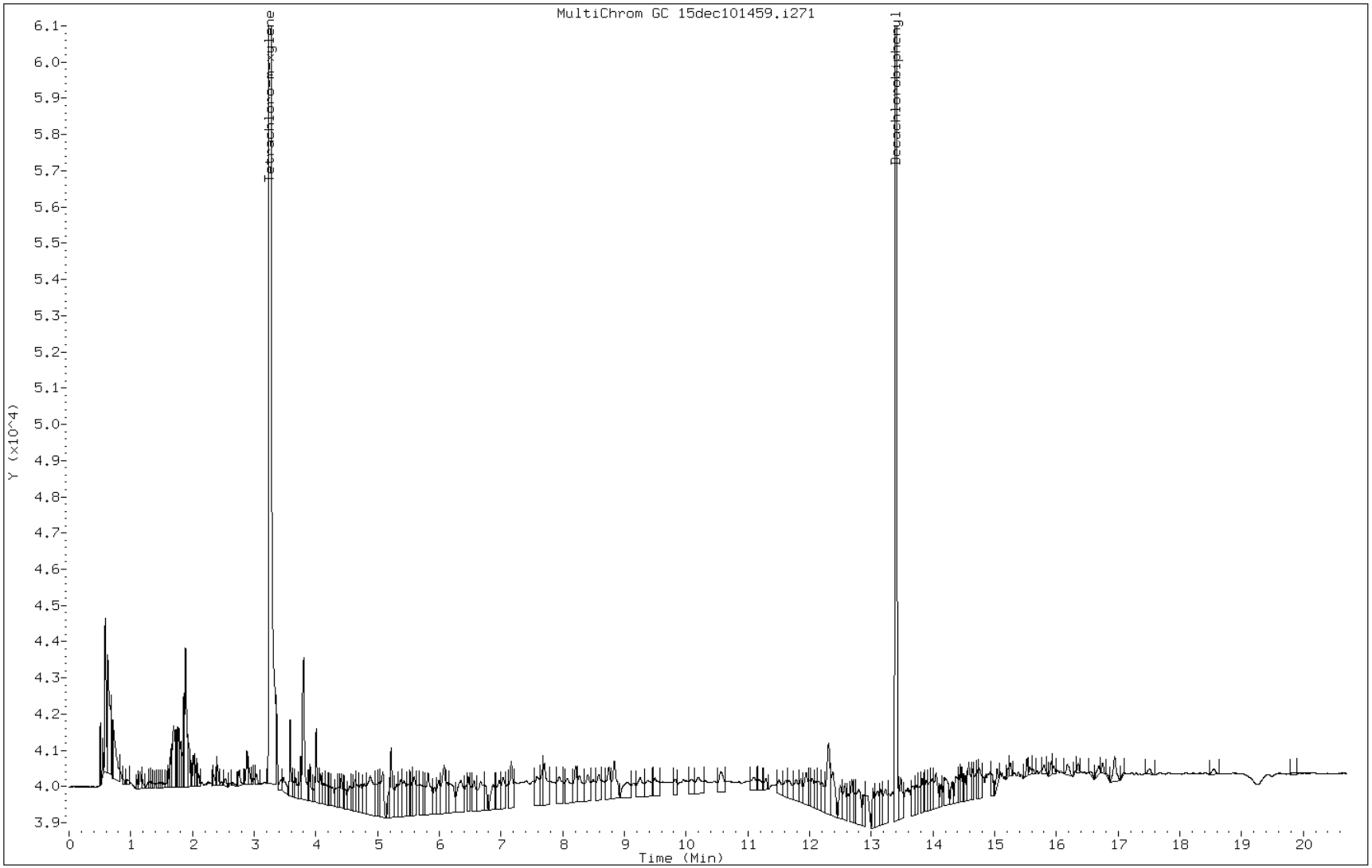
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.256	3.254	0.002	149815	88.3225	88.32	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.400	13.402	-0.002	166171	79.4314	79.43	80.00- 120.00	100.00(RM)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r271.d	Date:	16-DEC-2010 08:19
Client ID:	VG10-15	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2081-A-3-I		
Lab Sample ID:	200-2081-3		



Manual Integration Report

Data File: 15dec101459-r271.d
Lab Sample ID: 200-2081-3
Inj. Date and Time: 16-DEC-2010 08:19
Instrument ID: 3283_1.i
Client ID: VG10-15
Compound: 11 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 12/16/2010

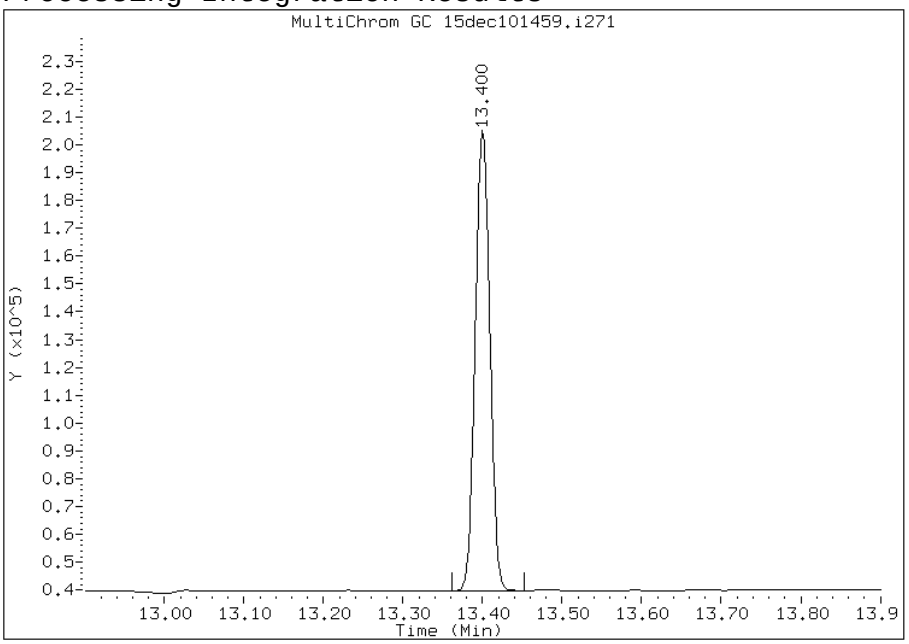
Processing Integration Results

RT: 13.40

Response: 165471

Amount: 79.10

Conc: 79.10



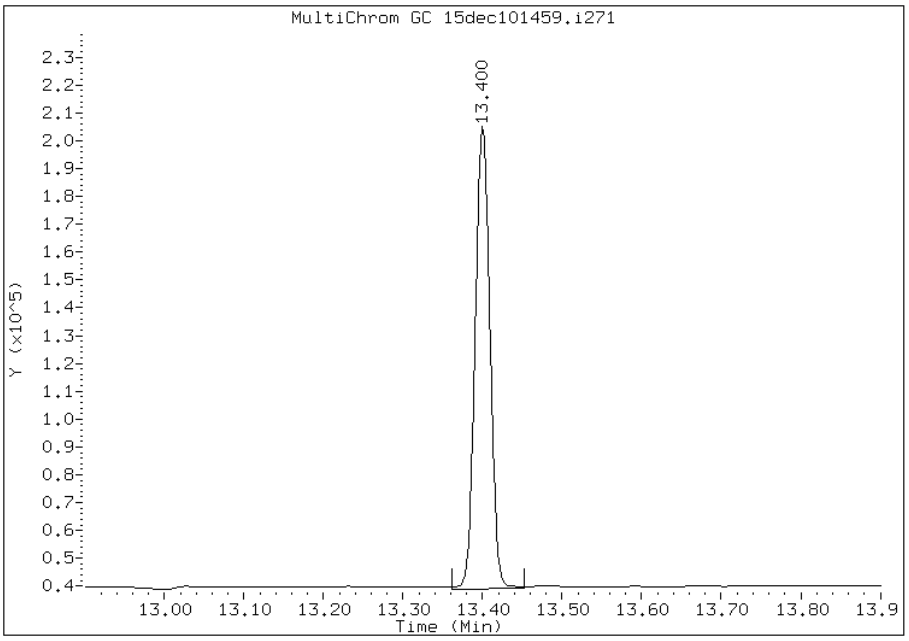
Manual Integration Results

RT: 13.40

Response: 166171

Amount: 79.43

Conc: 79.43



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: VG10-15 RE Lab Sample ID: 200-2081-3 RE

Matrix: Tissue Lab File ID: 15dec101459-r271.d

Analysis Method: 8082 Date Collected: 10/20/2010 13:00

Extraction Method: In-House Date Extracted: 11/30/2010 09:35

Sample wt/vol: 9.79(g) Date Analyzed: 12/16/2010 08:19

Con. Extract Vol.: 4000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82	*E*	30-130
2051-24-3	DCB Decachlorobiphenyl	83	E	45-125

TestAmerica Burlington

Lab Sample Id: 200-2081-3
Client Smp ID: VG10-15
Inj Date : 16-DEC-2010 08:19
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2081-A-3-I
Misc Info : 200-2081-A-3-I
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 09:00 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

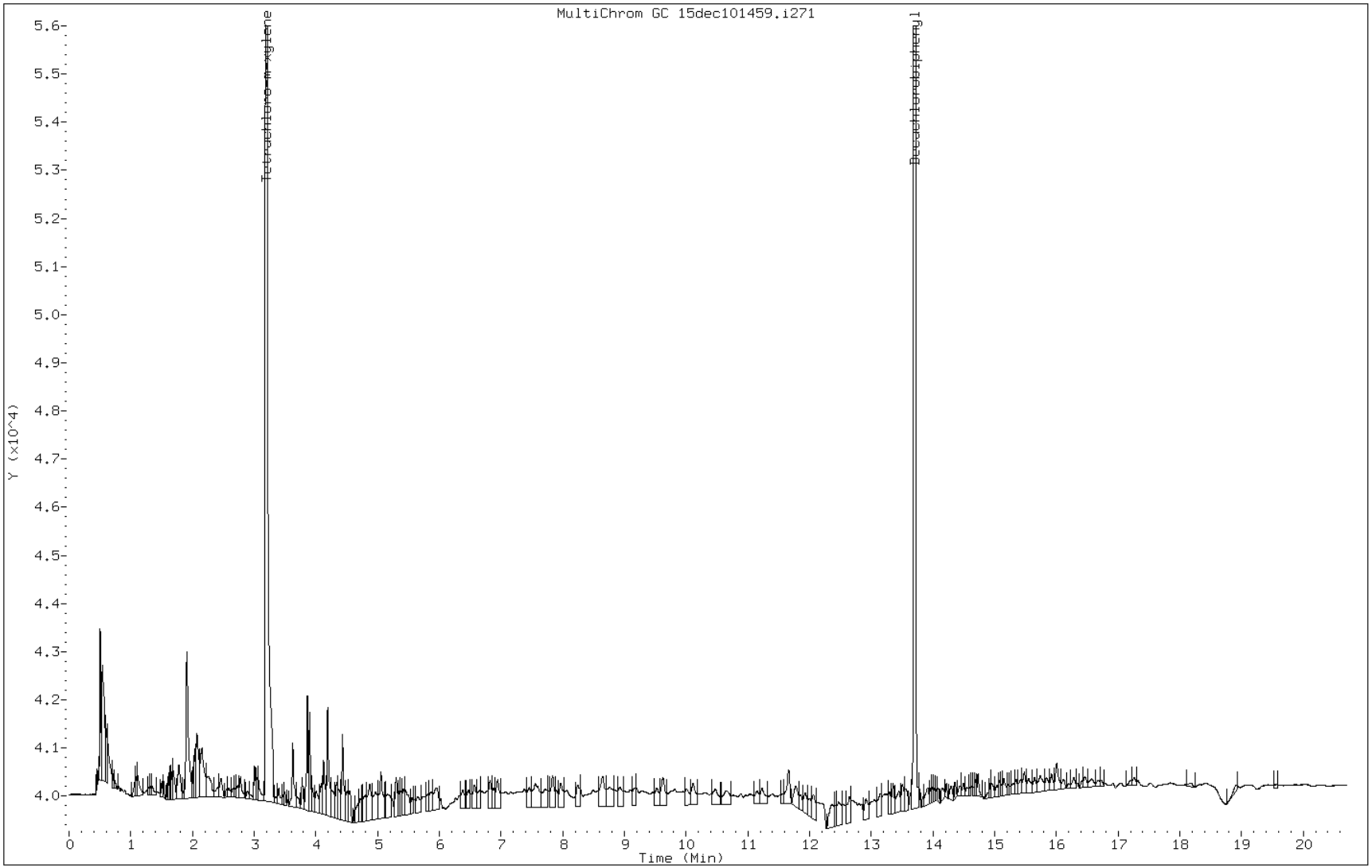
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.196	3.190	0.006	93303	81.5662	81.57	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.703	13.699	0.004	111790	83.0797	83.08	80.00- 120.00	100.00(ARM)

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r271.d	Date:	16-DEC-2010 08:19
Client ID:	VG10-15	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2081-A-3-I		
Lab Sample ID:	200-2081-3		



Manual Integration Report

Data File: 15dec101459-r271.d
Lab Sample ID: 200-2081-3
Inj. Date and Time: 16-DEC-2010 08:19
Instrument ID: 3283_2.i
Client ID: VG10-15
Compound: 11 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 12/16/2010

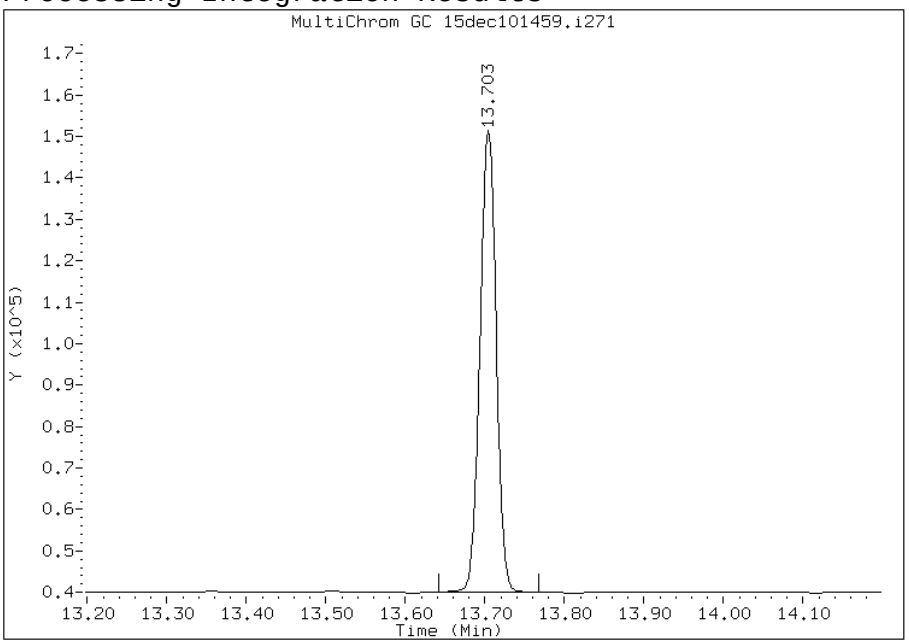
Processing Integration Results

RT: 13.70

Response: 111577

Amount: 82.92

Conc: 82.92



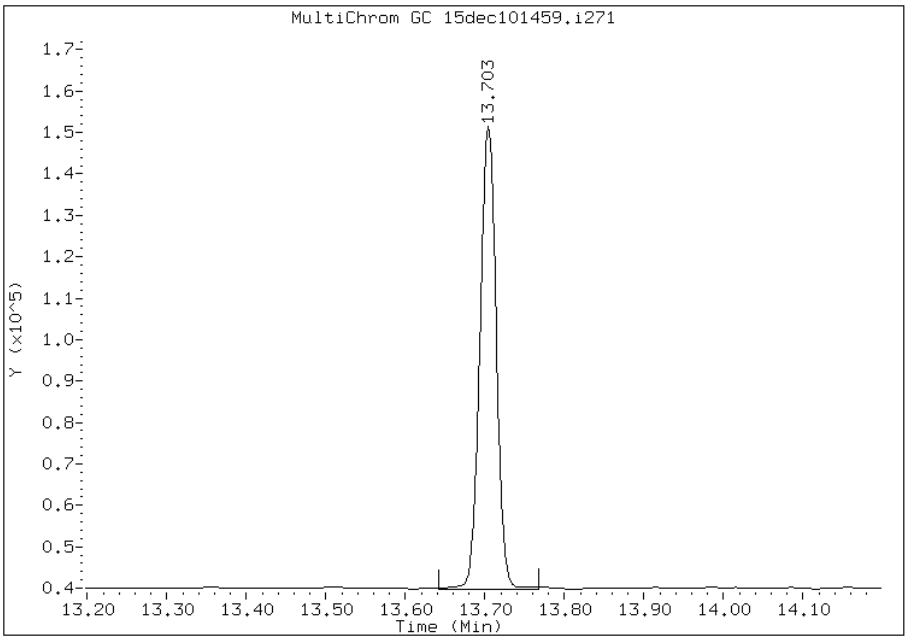
Manual Integration Results

RT: 13.70

Response: 111790

Amount: 83.08

Conc: 83.08



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: VG10-01 | Lab Sample ID: 200-2081-4

Matrix: Tissue | Lab File ID: 09nov101450-r311.d

Analysis Method: 8082 | Date Collected: 10/20/2010 10:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 9.96(g) | Date Analyzed: 11/10/2010 03:19

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9333 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*PCB-1016*	*51*	*U*	*51*	*26*
11104-28-2	*PCB-1221*	*51*	*U*	*51*	*26*
11141-16-5	*PCB-1232*	*51*	*U*	*51*	*26*
53469-21-9	*PCB-1242*	*51*	*U*	*51*	*26*
12672-29-6	*PCB-1248*	*51*	*U*	*51*	*26*
11096-82-5	*PCB-1260*	*51*	*U*	*51*	*26*
37324-23-5	*PCB-1262*	*51*	*U*	*51*	*26*
11100-14-4	*PCB-1268*	*51*	*U*	*51*	*26*

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	104		30-130
2051-24-3	DCB Decachlorobiphenyl	87		45-125

TestAmerica Burlington

Lab Sample Id: 200-2081-4
Client Smp ID: VG10-01
Inj Date : 10-NOV-2010 03:19
Operator : SLD Inst ID: 7227_1.i
Smp Info : 200-2081-A-4-G
Misc Info : 200-2081-A-4-G
Comment :
Method : /var/chem/7227_1.i/102210_1/09NOV101450.b/8082_RTX5.m
Meth Date : 10-Nov-2010 08:11 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 07:20 Cal File: 22oct102021-r281.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

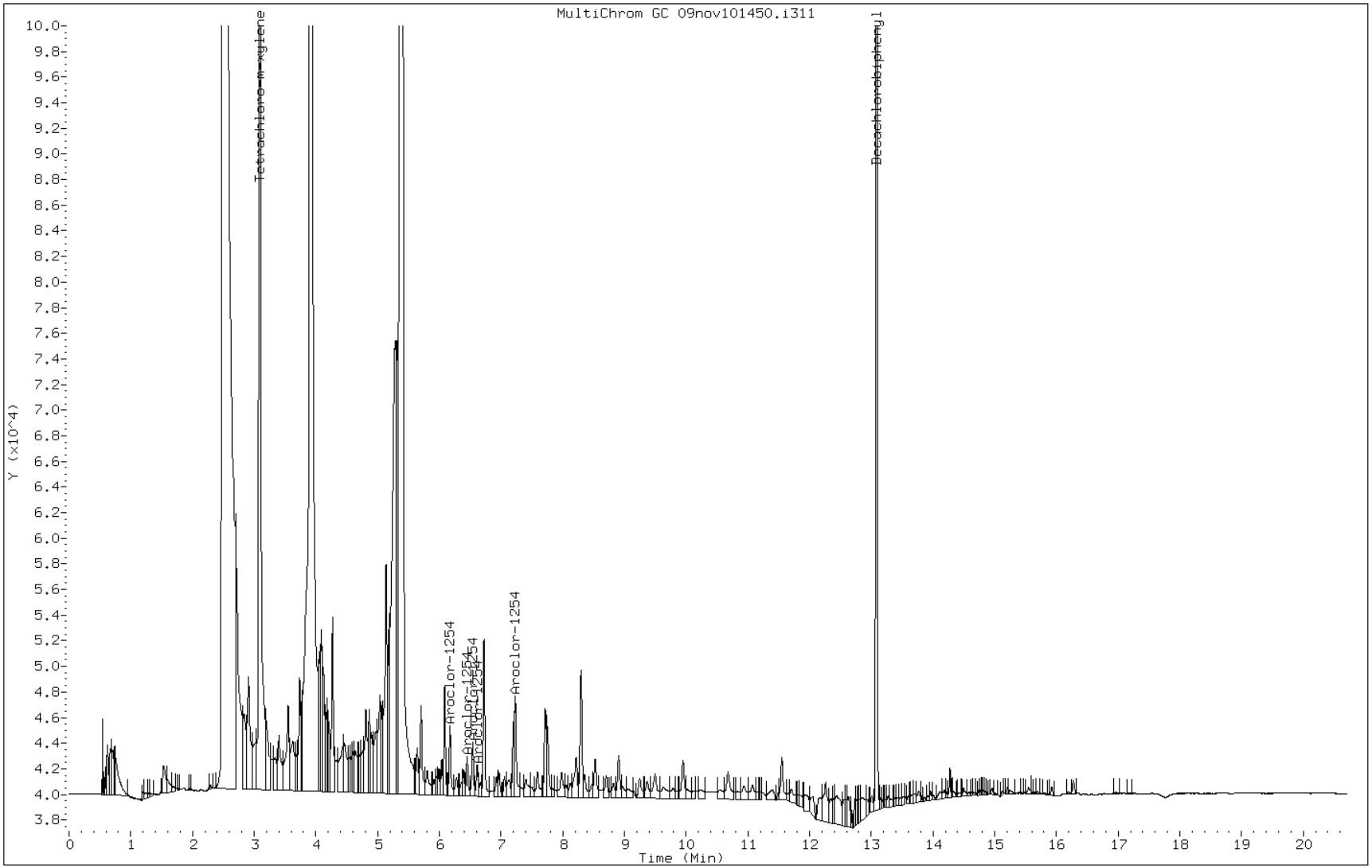
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
6 Aroclor-1254					CAS #: 11097-69-1		
6.173	6.207	-0.034	5439	88.2221	88.22	80.00- 120.00	100.00(M)
6.450	6.486	-0.036	3051	56.3544	56.35	105.70- 145.70	56.09
6.541	6.577	-0.036	4225	36.2580	36.26	132.86- 172.86	77.68
6.615	6.652	-0.037	2466	64.2535	64.25	83.52- 123.52	45.34
7.231	7.273	-0.042	7868	62.3544	62.35	92.98- 132.98	144.66
Average of Peak Concentrations =				61.49			
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.090	3.101	-0.011	150851	41.4685	41.47	80.00- 120.00	100.00(M)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.083	13.098	-0.015	183365	34.6729	34.67	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File:	09nov101450-r311.d	Date:	10-NOV-2010 03:19
Client ID:	VG10-01	Instrument:	7227_1.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2081-A-4-G		
Lab Sample ID:	200-2081-4		



Manual Integration Report

Data File: 09nov101450-r311.d
Lab Sample ID: 200-2081-4
Inj. Date and Time: 10-NOV-2010 03:19
Instrument ID: 7227_1.i
Client ID: VG10-01
Compound: 10 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 11/10/2010

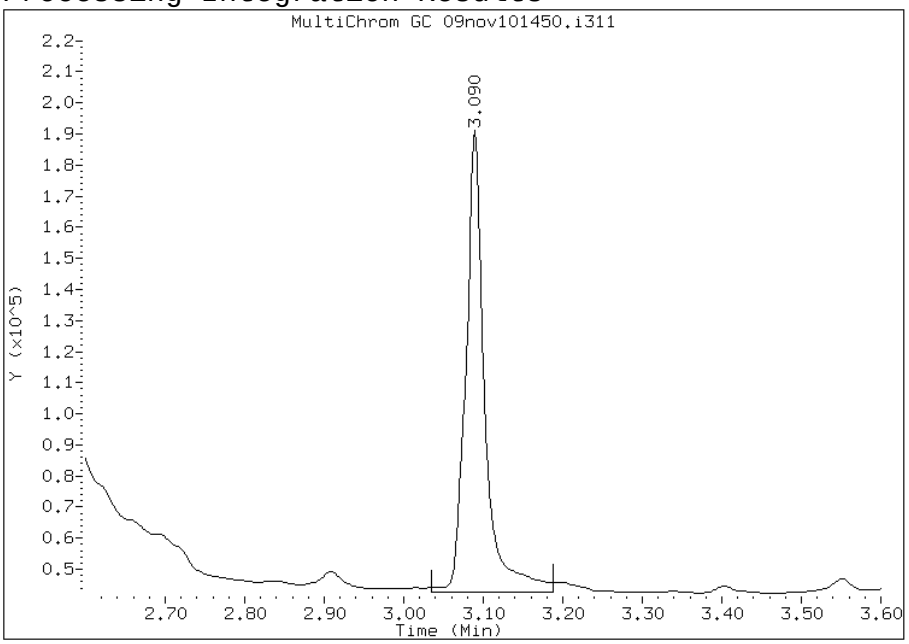
Processing Integration Results

RT: 3.09

Response: 148445

Amount: 40.81

Conc: 40.81



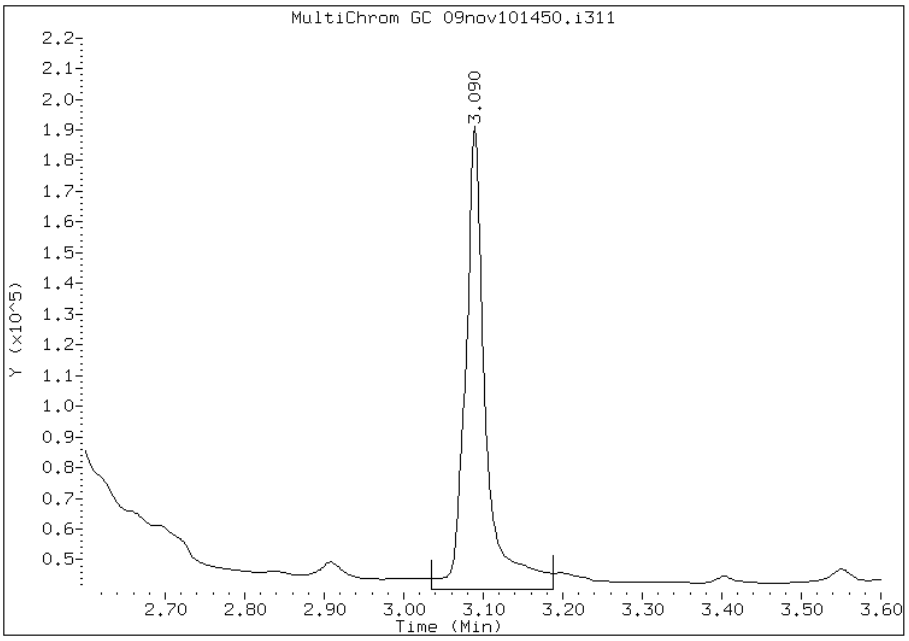
Manual Integration Results

RT: 3.09

Response: 150851

Amount: 41.47

Conc: 41.47



File Uploaded By: sld
Manual Integration Reason: Baseline event

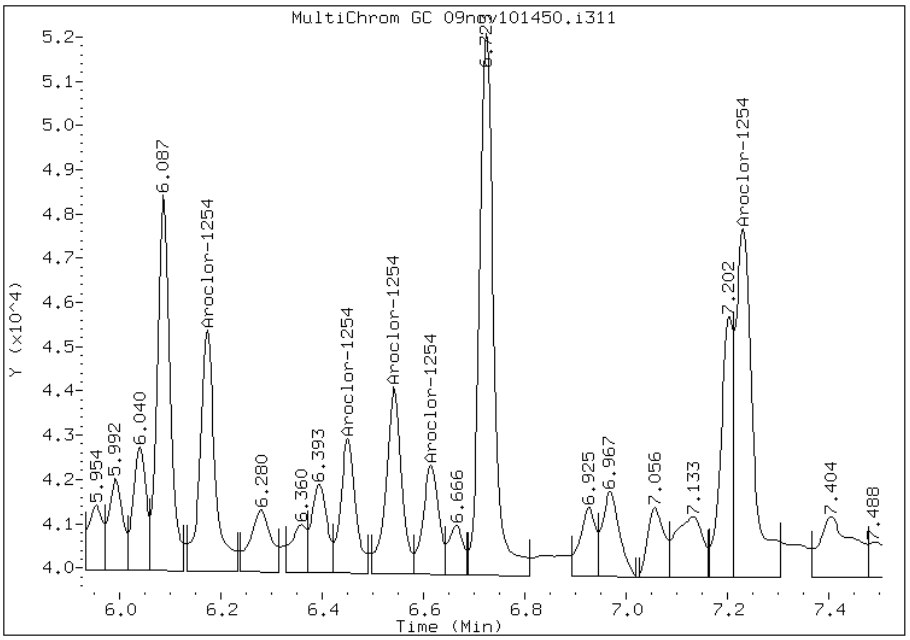
Manual Integration Report

Data File: 09nov101450-r311.d
Inj. Date and Time: 10-NOV-2010 03:19
Instrument ID: 7227_1.i
Client ID: VG10-01
Compound: 6 Aroclor-1254
CAS #: 11097-69-1
Report Date: 11/10/2010

Processing Integration Results

RT	Response	Conc
6.17	4874*	79.06
6.45	2460*	45.44
6.54	3770*	32.35
6.67	510*	13.29
7.23	6997*	55.45

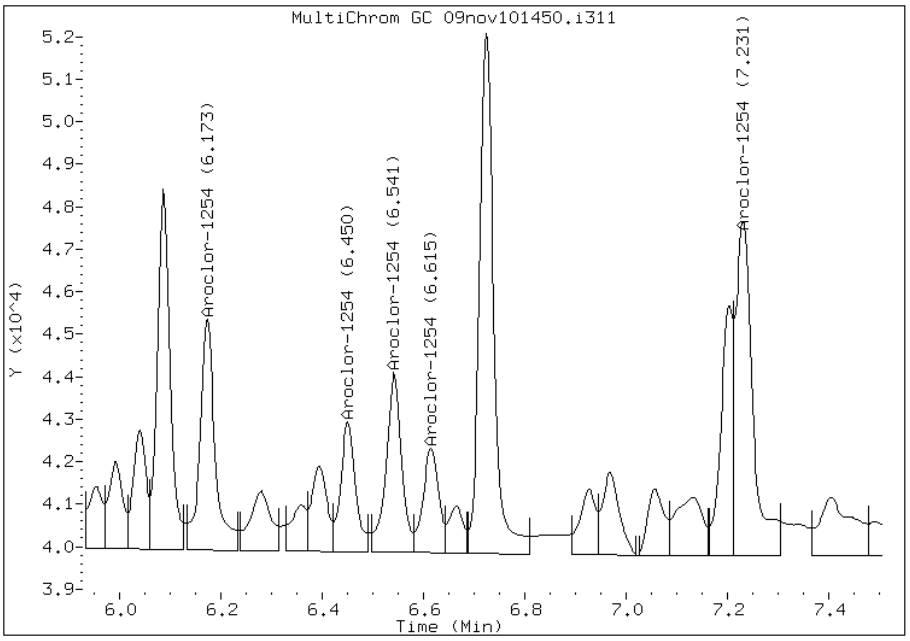
Final Conc		45.12



Manual Integration Results

RT	Response	Conc
6.17	5439*	88.22
6.45	3051*	56.35
6.54	4225*	36.26
6.61	2466*	64.25
7.23	7868*	62.35

Final Conc		61.49



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: VG10-01 | Lab Sample ID: 200-2081-4

Matrix: Tissue | Lab File ID: 09nov101450-r311.d

Analysis Method: 8082 | Date Collected: 10/20/2010 10:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 9.96(g) | Date Analyzed: 11/10/2010 03:19

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-35 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9333 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11097-69-1	*PCB-1254*	*62*		*51*	*26*

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	96		30-130
2051-24-3	DCB Decachlorobiphenyl	84		45-125

TestAmerica Burlington

Lab Sample Id: 200-2081-4
Client Smp ID: VG10-01
Inj Date : 10-NOV-2010 03:19
Operator : SLD Inst ID: 7227_2.i
Smp Info : 200-2081-A-4-G
Misc Info : 200-2081-A-4-G
Comment :
Method : /var/chem/7227_2.i/102210_1/09NOV101450.b/8082_RTX35.m
Meth Date : 10-Nov-2010 09:28 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

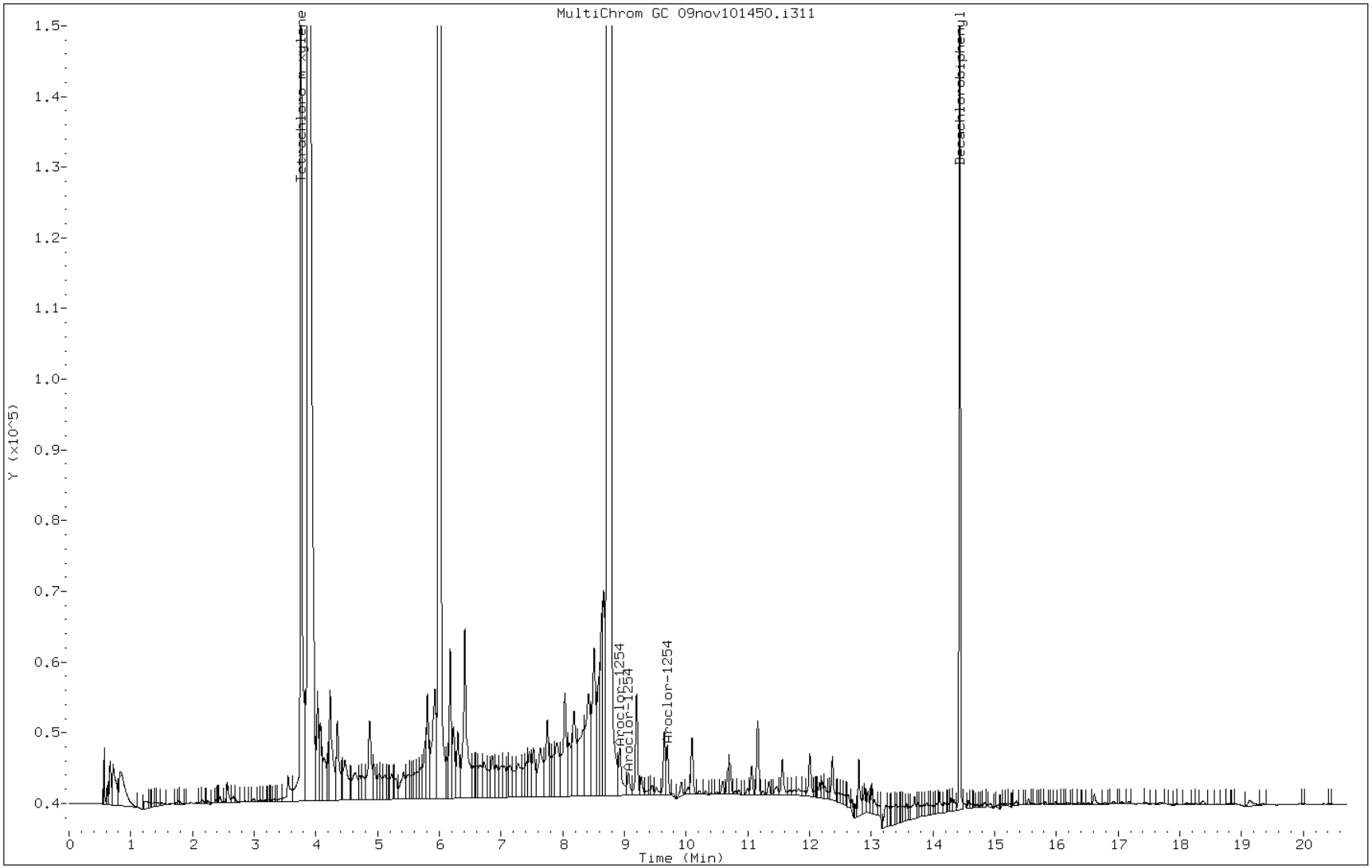
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
6 Aroclor-1254					CAS #: 11097-69-1		
8.188	8.188	0.000	0			80.00- 120.00	0.00
8.434	8.434	0.000	0			105.70- 145.70	0.00
8.927	8.935	-0.008	6799	53.6975	53.70	132.86- 172.86	56.72
9.062	9.073	-0.011	3121	67.4928	67.49	83.52- 123.52	26.03
9.696	9.705	-0.009	6961	63.8274	63.83	92.98- 132.98	58.07
Average of Peak Concentrations =					61.67		
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.759	3.753	0.006	221969	38.2614	38.26	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.433	14.431	0.002	225547	33.4874	33.49	80.00- 120.00	100.00

Data File:	09nov101450-r311.d	Date:	10-NOV-2010 03:19
Client ID:	VG10-01	Instrument:	7227_2.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2081-A-4-G		
Lab Sample ID:	200-2081-4		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: VG10-01 RE | Lab Sample ID: 200-2081-4 RE

Matrix: Tissue | Lab File ID: 15dec101459-r281.d

Analysis Method: 8082 | Date Collected: 10/20/2010 10:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 9.96(g) | Date Analyzed: 12/16/2010 08:44

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	20	U	20	10
11104-28-2	PCB-1221	20	U	20	10
11141-16-5	PCB-1232	20	U	20	10
53469-21-9	PCB-1242	20	U	20	10
12672-29-6	PCB-1248	20	U	20	10
11097-69-1	PCB-1254	54		20	10
11096-82-5	PCB-1260	20	U	20	10
37324-23-5	PCB-1262	20	U	20	10
11100-14-4	PCB-1268	20	U	20	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	105	E	30-130
2051-24-3	DCB Decachlorobiphenyl	91	E	45-125

TestAmerica Burlington

Lab Sample Id: 200-2081-4
Client Smp ID: VG10-01
Inj Date : 16-DEC-2010 08:44
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2081-A-4-J
Misc Info : 200-2081-A-4-J
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 08:03 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

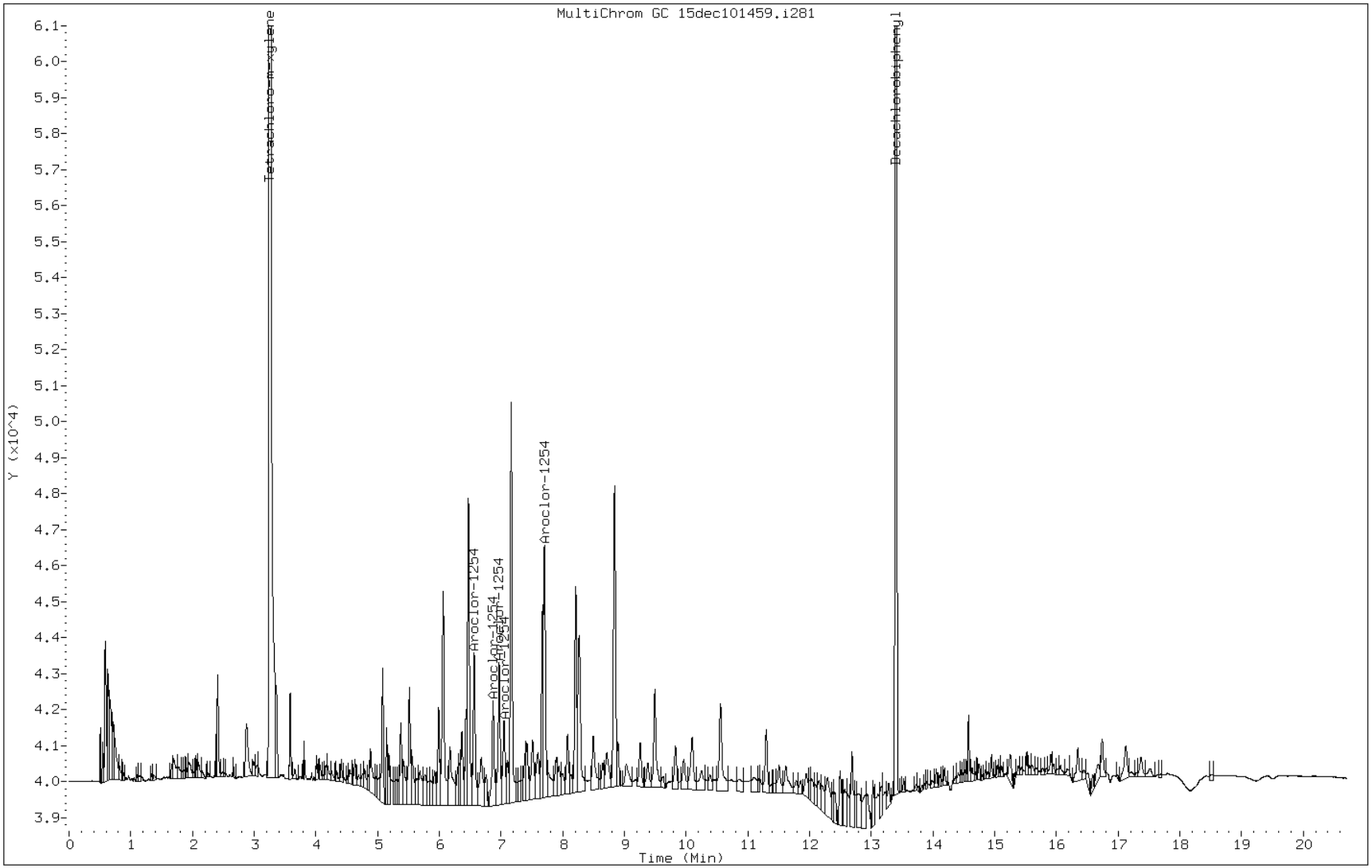
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
6 Aroclor-1254					CAS #: 11097-69-1		
6.566	6.561	0.005	4249	165.912	165.9	80.00- 120.00	100.00(M)
6.869	6.867	0.002	2912	133.854	133.9	105.70- 145.70	68.53
6.969	6.967	0.002	3960	87.8438	87.84	132.86- 172.86	93.20
7.051	7.049	0.002	2309	152.560	152.6	83.52- 123.52	54.34
7.703	7.701	0.002	7017	132.898	132.9	92.98- 132.98	165.14
Average of Peak Concentrations =					134.6		
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.256	3.254	0.002	178083	104.988	105.0	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.400	13.402	-0.002	191004	91.3018	91.30	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r281.d	Date:	16-DEC-2010 08:44
Client ID:	VG10-01	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2081-A-4-J		
Lab Sample ID:	200-2081-4		



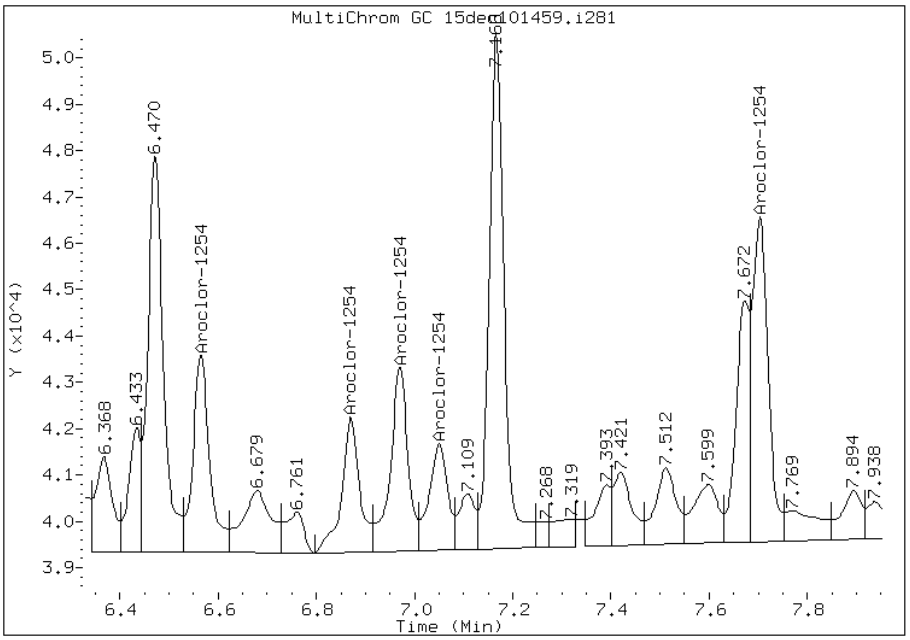
Manual Integration Report

Data File: 15dec101459-r281.d
Inj. Date and Time: 16-DEC-2010 08:44
Instrument ID: 3283_1.i
Client ID: VG10-01
Compound: 6 Aroclor-1254
CAS #: 11097-69-1
Report Date: 12/16/2010

Processing Integration Results

RT	Response	Conc
6.57	4159*	162.40
6.87	2827*	129.95
6.97	3765*	83.52
7.05	2030*	134.13
7.70	6652*	125.98

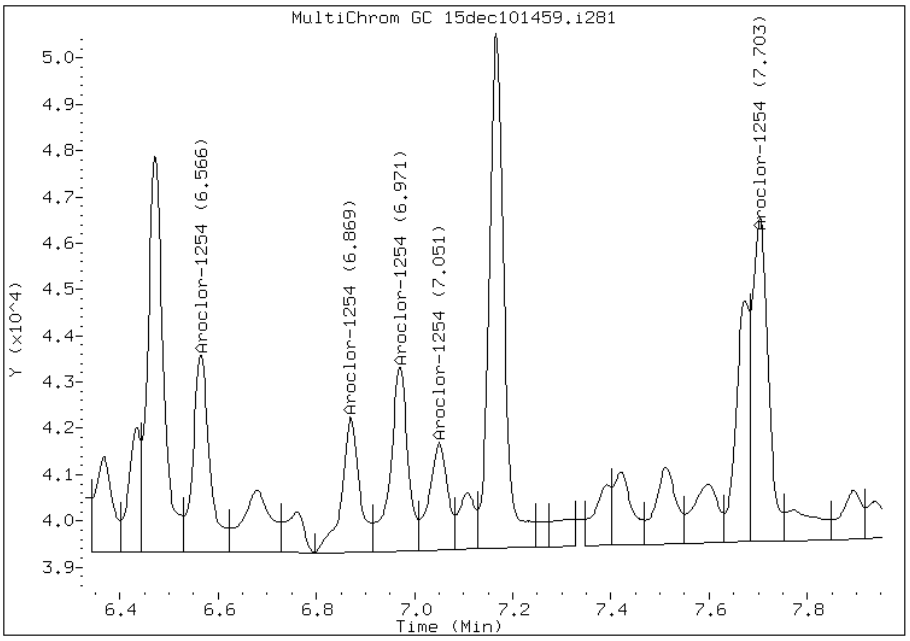
Final Conc		127.20



Manual Integration Results

RT	Response	Conc
6.57	4249*	165.91
6.87	2912*	133.85
6.97	3960*	87.84
7.05	2309*	152.56
7.70	7017*	132.90

Final Conc		134.60



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: VG10-01 RE Lab Sample ID: 200-2081-4 RE

Matrix: Tissue Lab File ID: 15dec101459-r281.d

Analysis Method: 8082 Date Collected: 10/20/2010 10:00

Extraction Method: In-House Date Extracted: 11/30/2010 09:35

Sample wt/vol: 9.96(g) Date Analyzed: 12/16/2010 08:44

Con. Extract Vol.: 4000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	100	*E*	30-130
2051-24-3	DCB Decachlorobiphenyl	92	*E*	45-125

TestAmerica Burlington

Lab Sample Id: 200-2081-4
Client Smp ID: VG10-01
Inj Date : 16-DEC-2010 08:44
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2081-A-4-J
Misc Info : 200-2081-A-4-J
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 09:00 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

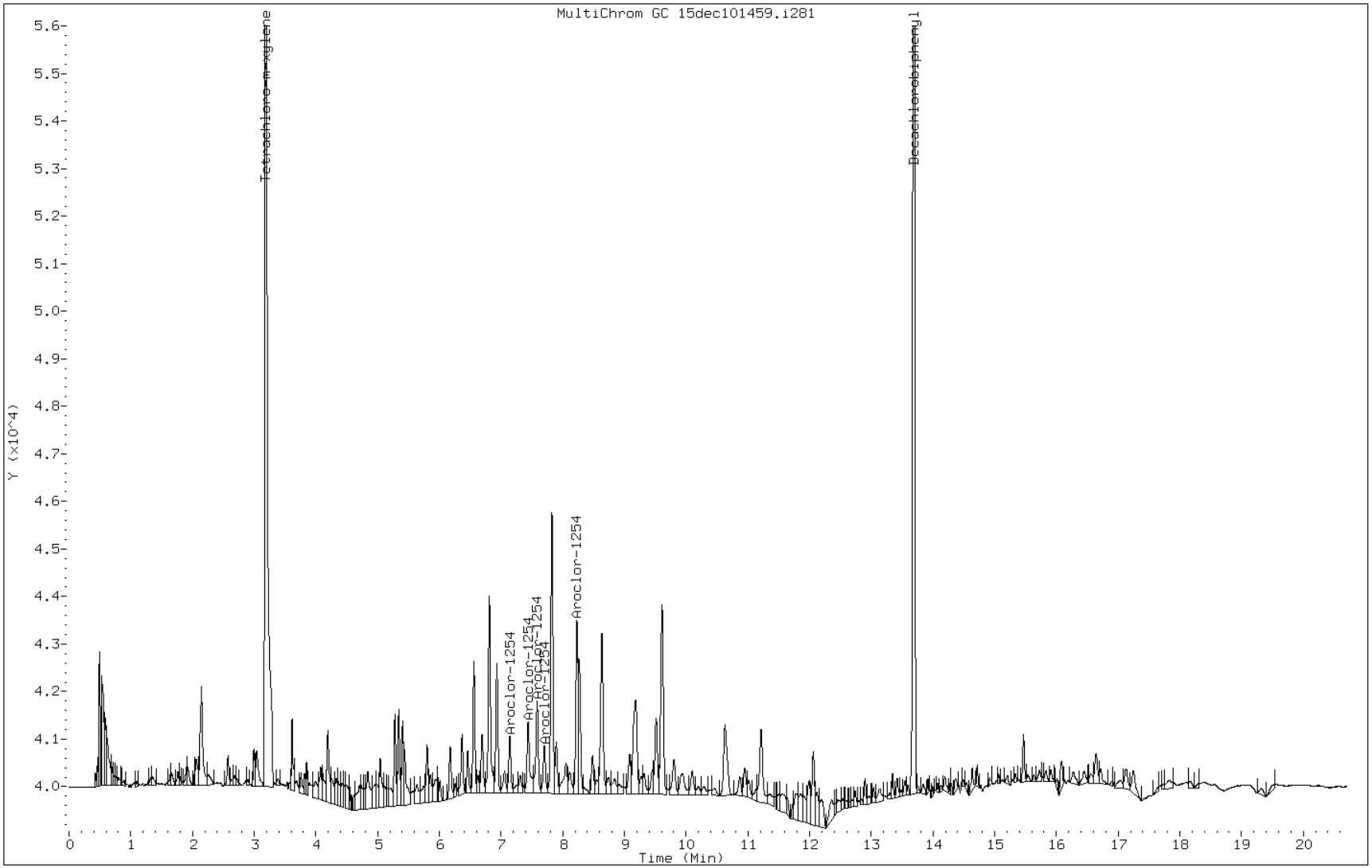
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
6 Aroclor-1254					CAS #: 11097-69-1		
7.144	7.149	-0.005	1198	112.172	112.2	80.00- 120.00	100.00(M)
7.441	7.446	-0.005	1501	118.609	118.6	105.70- 145.70	125.29
7.585	7.592	-0.007	1939	79.8600	79.86	132.86- 172.86	161.85
7.703	7.707	-0.004	998	117.136	117.1	83.52- 123.52	83.31
8.228	8.239	-0.011	3645	114.785	114.8	92.98- 132.98	304.26
Average of Peak Concentrations =					108.5		
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.185	3.190	-0.005	114387	99.9980	100.0	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.692	13.699	-0.007	123634	91.8819	91.88	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r281.d	Date:	16-DEC-2010 08:44
Client ID:	VG10-01	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2081-A-4-J		
Lab Sample ID:	200-2081-4		



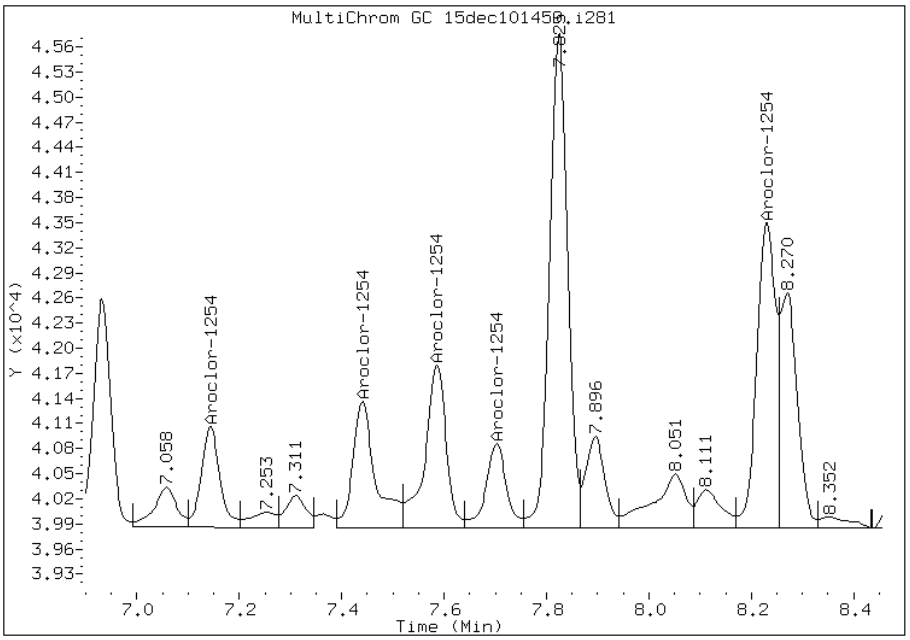
Manual Integration Report

Data File: 15dec101459-r281.d
Inj. Date and Time: 16-DEC-2010 08:44
Instrument ID: 3283_2.i
Client ID: VG10-01
Compound: 6 Aroclor-1254
CAS #: 11097-69-1
Report Date: 12/16/2010

Processing Integration Results

RT	Response	Conc
7.14	1141*	106.84
7.44	1433*	113.24
7.59	1866*	76.85
7.70	920*	107.98
8.23	3546*	111.67

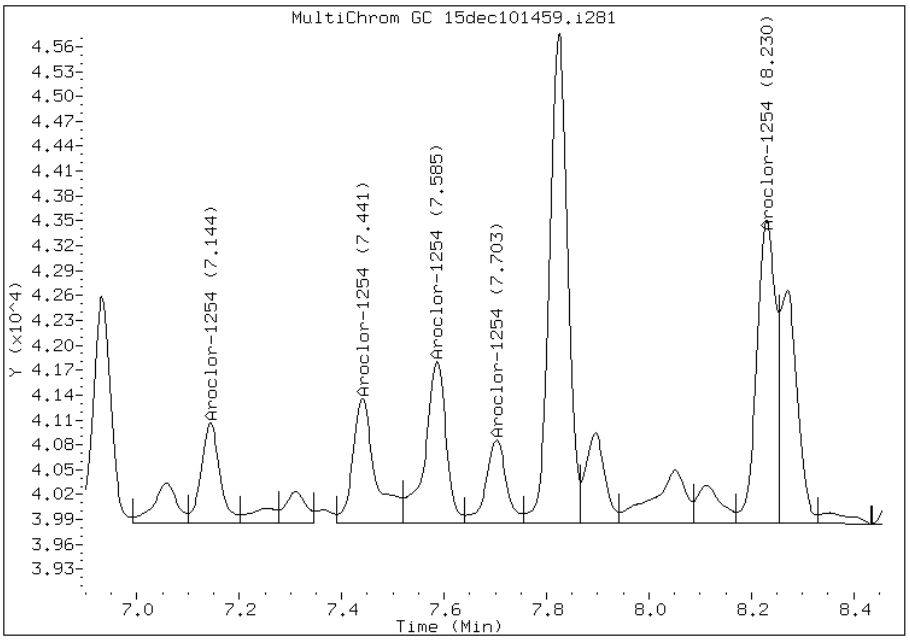
Final Conc		103.30



Manual Integration Results

RT	Response	Conc
7.14	1198*	112.17
7.44	1501*	118.61
7.59	1939*	79.86
7.70	998*	117.14
8.23	3645*	114.79

Final Conc		108.50



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: VG10-14 | Lab Sample ID: 200-2081-5

Matrix: Tissue | Lab File ID: 05nov101546-r321.d

Analysis Method: 8082 | Date Collected: 10/20/2010 12:30

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.10(g) | Date Analyzed: 11/06/2010 04:22

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	50	U	50	25
11104-28-2	PCB-1221	50	U	50	25
11141-16-5	PCB-1232	50	U	50	25
53469-21-9	PCB-1242	50	U	50	25
12672-29-6	PCB-1248	50	U	50	25
11097-69-1	PCB-1254	50	U	50	25
11096-82-5	PCB-1260	50	U	50	25
37324-23-5	PCB-1262	50	U	50	25
11100-14-4	PCB-1268	50	U	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	102		30-130
2051-24-3	DCB Decachlorobiphenyl	89		45-125

TestAmerica Burlington

Lab Sample Id: 200-2081-5
Client Smp ID: VG10-14
Inj Date : 06-NOV-2010 04:22
Operator : DPD Inst ID: 7227_1.i
Smp Info : 200-2081-A-5-F
Misc Info : 200-2081-A-5-F
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 11:05 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

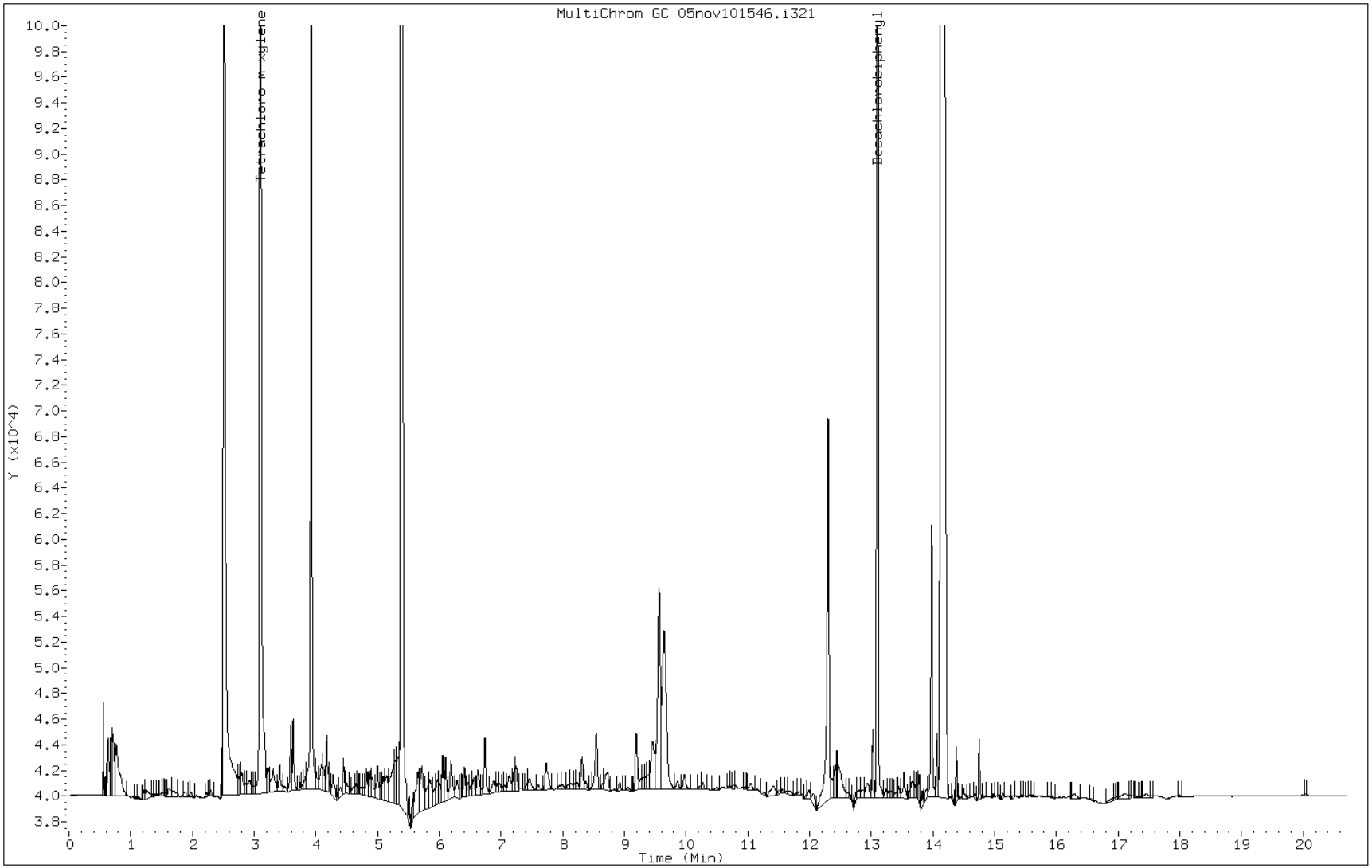
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.101	3.090	0.011	148041	40.6961	40.70	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.098	13.092	0.006	188538	35.6511	35.65	80.00- 120.00	100.00

Data File:	05nov101546-r321.d	Date:	06-NOV-2010 04:22
Client ID:	VG10-14	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2081-A-5-F		
Lab Sample ID:	200-2081-5		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: VG10-14 Lab Sample ID: 200-2081-5

Matrix: Tissue Lab File ID: 05nov101546-r321.d

Analysis Method: 8082 Date Collected: 10/20/2010 12:30

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.10(g) Date Analyzed: 11/06/2010 04:22

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	92		30-130
2051-24-3	DCB Decachlorobiphenyl	70		45-125

TestAmerica Burlington

Lab Sample Id: 200-2081-5
Client Smp ID: VG10-14
Inj Date : 06-NOV-2010 04:22
Operator : DPD Inst ID: 7227_2.i
Smp Info : 200-2081-A-5-F
Misc Info : 200-2081-A-5-F
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:52 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

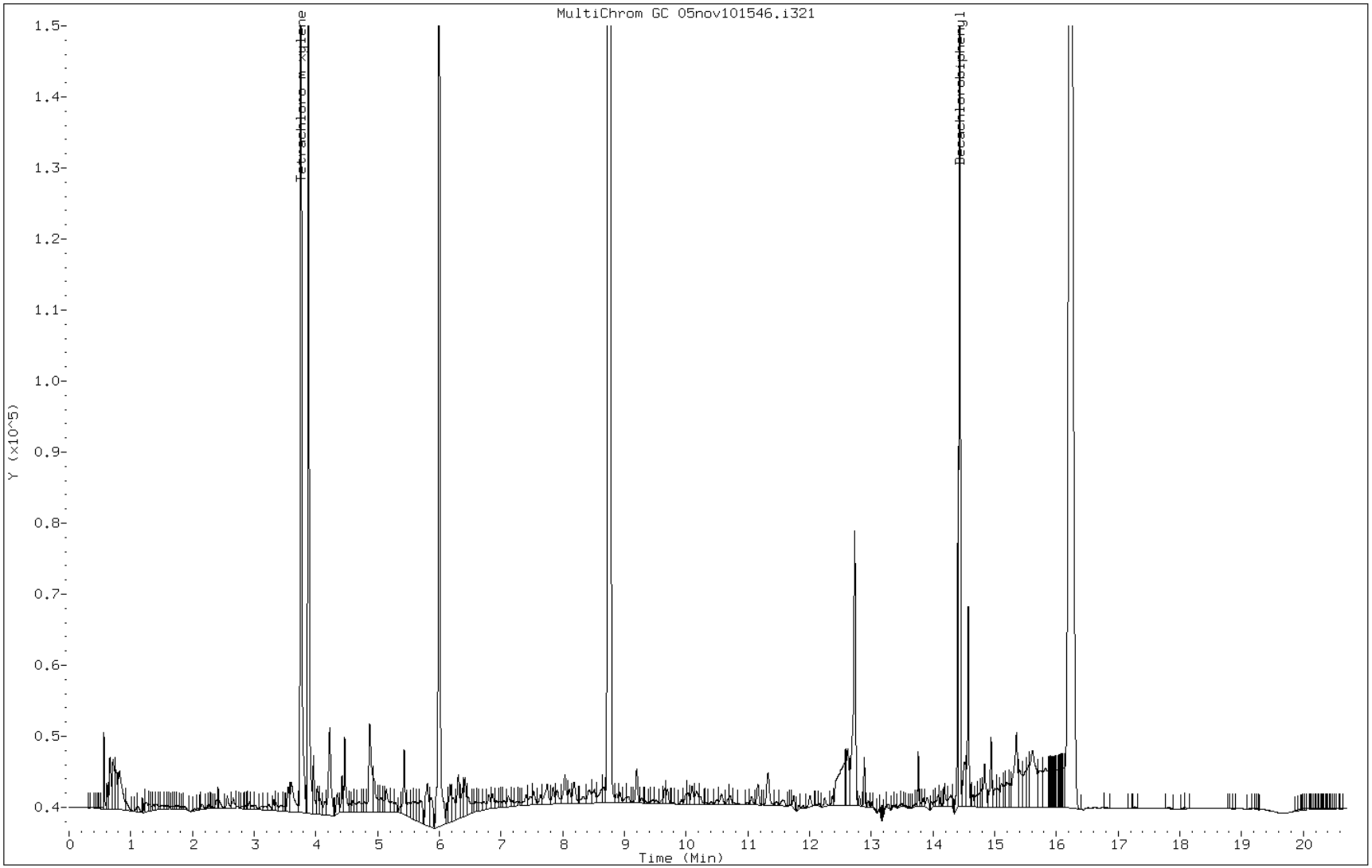
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.757	3.753	0.004	213936	36.8768	36.88	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.433	14.431	0.002	187614	27.8554	27.86	80.00- 120.00	100.00

Data File:	05nov101546-r321.d	Date:	06-NOV-2010 04:22
Client ID:	VG10-14	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2081-A-5-F		
Lab Sample ID:	200-2081-5		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: VG10-14 RE | Lab Sample ID: 200-2081-5 RE

Matrix: Tissue | Lab File ID: 15dec101459-r291.d

Analysis Method: 8082 | Date Collected: 10/20/2010 12:30

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.10(g) | Date Analyzed: 12/16/2010 09:08

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	20	U	20	10
11104-28-2	PCB-1221	20	U	20	10
11141-16-5	PCB-1232	20	U	20	10
53469-21-9	PCB-1242	20	U	20	10
12672-29-6	PCB-1248	20	U	20	10
11097-69-1	PCB-1254	20	U	20	10
11096-82-5	PCB-1260	20	U	20	10
37324-23-5	PCB-1262	20	U	20	10
11100-14-4	PCB-1268	20	U	20	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	92	E	30-130
2051-24-3	DCB Decachlorobiphenyl	80	E	45-125

TestAmerica Burlington

Lab Sample Id: 200-2081-5
Client Smp ID: VG10-14
Inj Date : 16-DEC-2010 09:08
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2081-A-5-I
Misc Info : 200-2081-A-5-I
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 08:03 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

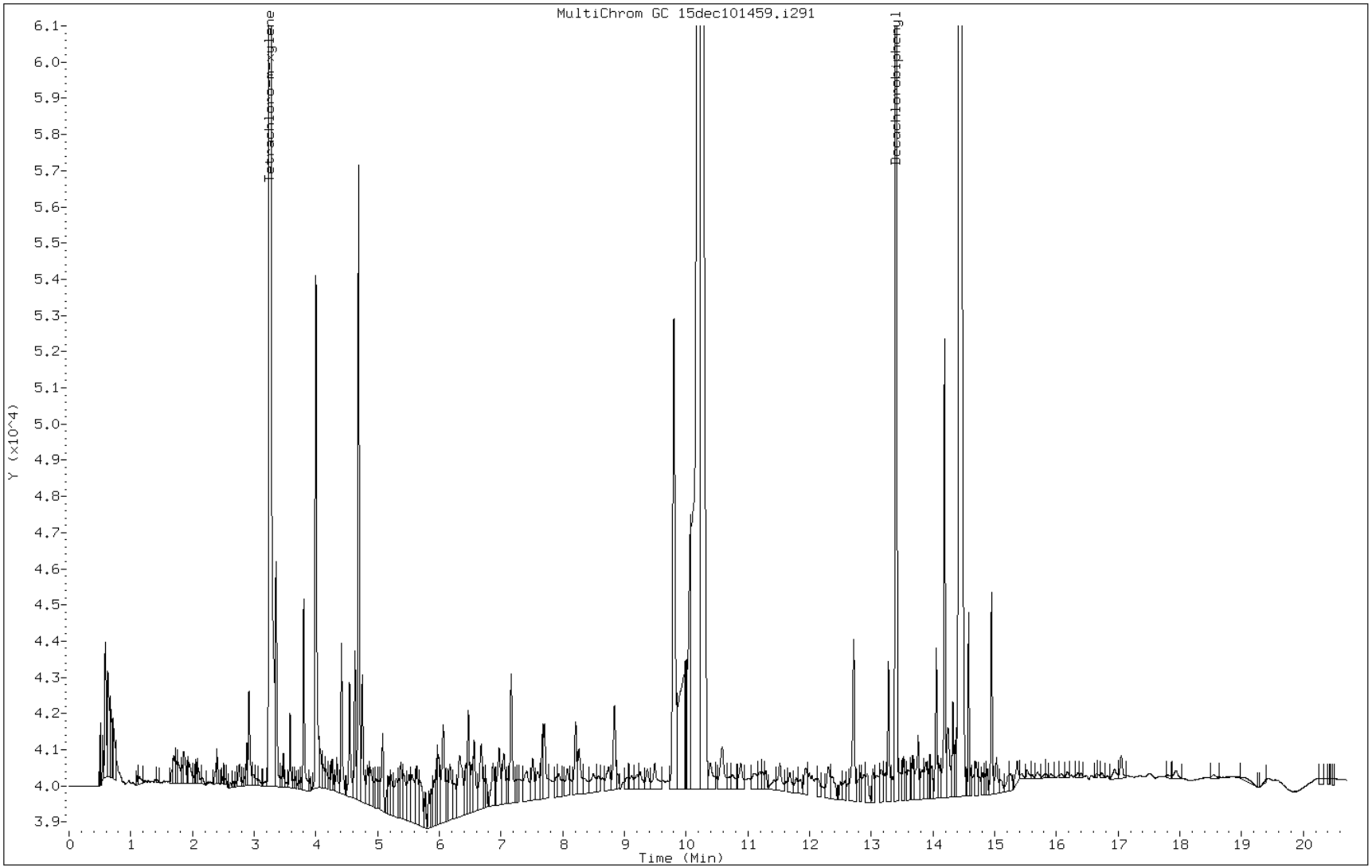
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.256	3.254	0.002	156440	92.2282	92.23	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.400	13.402	-0.002	167395	80.0164	80.02	80.00- 120.00	100.00(ARM)

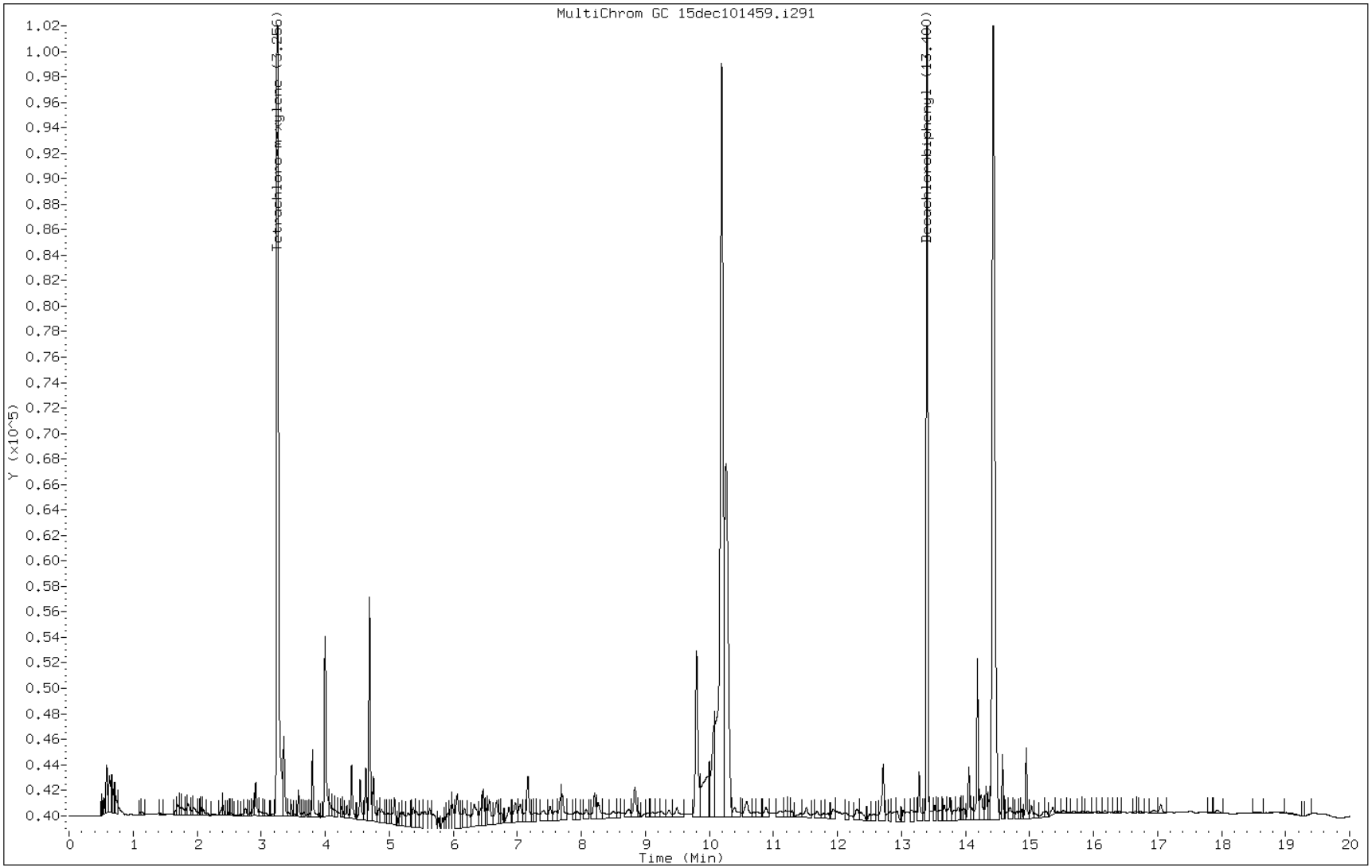
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r291.d	Date:	16-DEC-2010 09:08
Client ID:	VG10-14	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2081-A-5-I		
Lab Sample ID:	200-2081-5		



Data File:	15dec101459-r291.d	Date:	16-DEC-2010 09:08
Client ID:	VG10-14	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	200-2081-A-5-I		



Manual Integration Report

Data File: 15dec101459-r291.d
Lab Sample ID: 200-2081-5
Inj. Date and Time: 16-DEC-2010 09:08
Instrument ID: 3283_1.i
Client ID: VG10-14
Compound: 11 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 12/16/2010

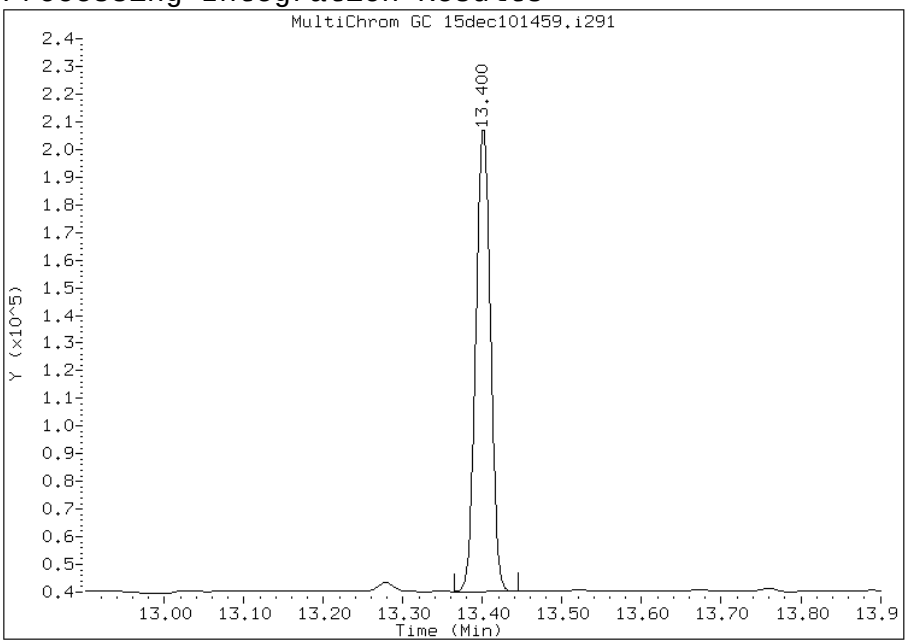
Processing Integration Results

RT: 13.40

Response: 166752

Amount: 79.71

Conc: 79.71



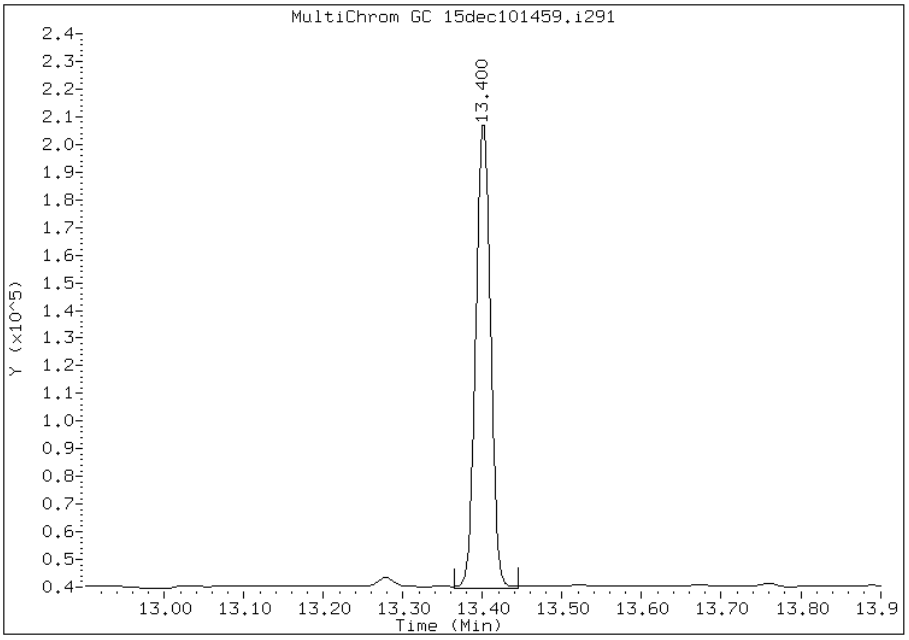
Manual Integration Results

RT: 13.40

Response: 167395

Amount: 80.02

Conc: 80.02



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: VG10-14 RE Lab Sample ID: 200-2081-5 RE

Matrix: Tissue Lab File ID: 15dec101459-r291.d

Analysis Method: 8082 Date Collected: 10/20/2010 12:30

Extraction Method: In-House Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.10(g) Date Analyzed: 12/16/2010 09:08

Con. Extract Vol.: 4000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	86	*E*	30-130
2051-24-3	DCB Decachlorobiphenyl	73		45-125

TestAmerica Burlington

Lab Sample Id: 200-2081-5
Client Smp ID: VG10-14
Inj Date : 16-DEC-2010 09:08
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2081-A-5-I
Misc Info : 200-2081-A-5-I
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 09:00 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

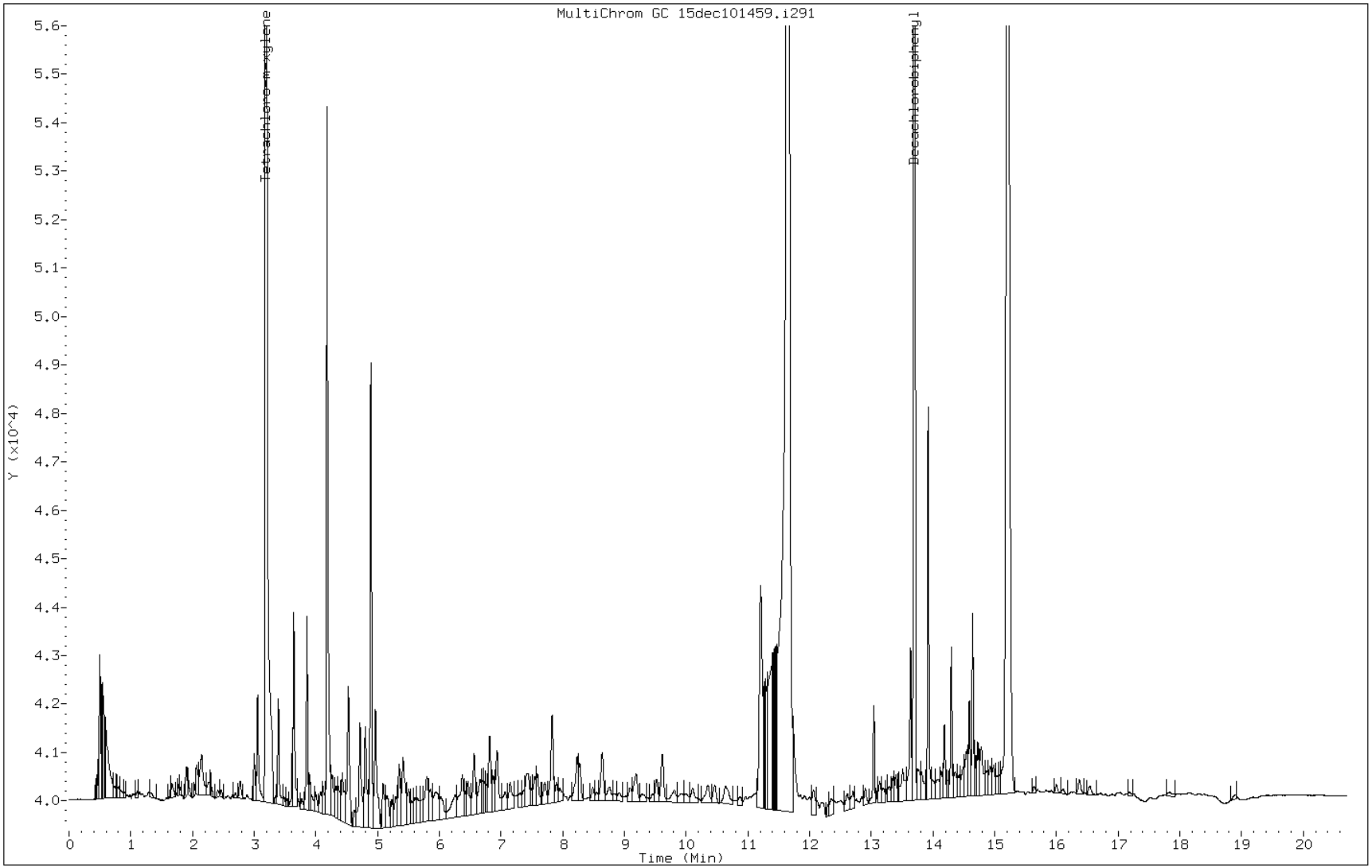
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.190	3.190	0.000	97893	85.5788	85.58	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.697	13.699	-0.002	98547	73.2378	73.24	80.00- 120.00	100.00(RM)

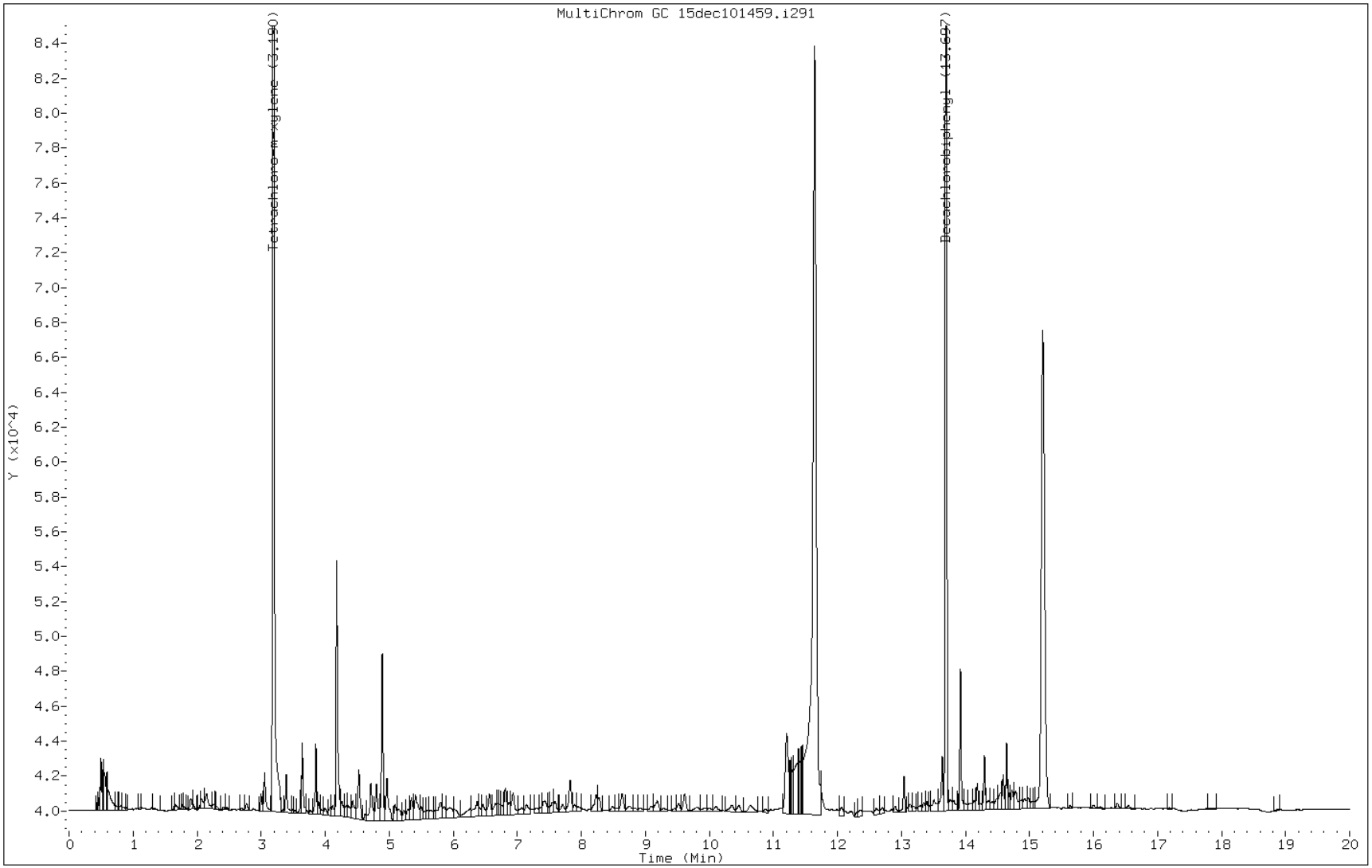
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r291.d	Date:	16-DEC-2010 09:08
Client ID:	VG10-14	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2081-A-5-I		
Lab Sample ID:	200-2081-5		



Data File:	15dec101459-r291.d	Date:	16-DEC-2010 09:08
Client ID:	VG10-14	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	200-2081-A-5-I		



Manual Integration Report

Data File: 15dec101459-r291.d
Lab Sample ID: 200-2081-5
Inj. Date and Time: 16-DEC-2010 09:08
Instrument ID: 3283_2.i
Client ID: VG10-14
Compound: 11 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 12/16/2010

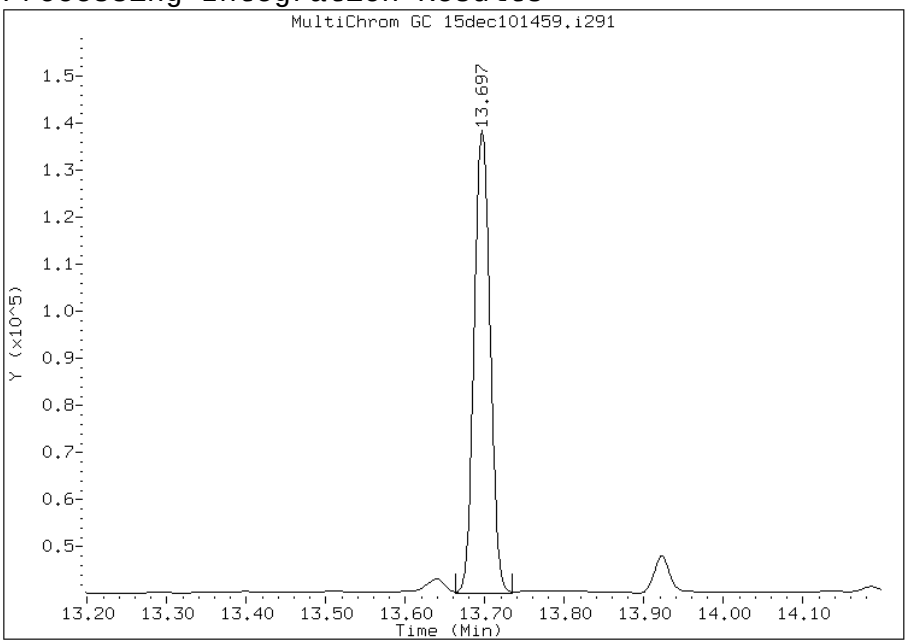
Processing Integration Results

RT: 13.70

Response: 98381

Amount: 73.11

Conc: 73.11



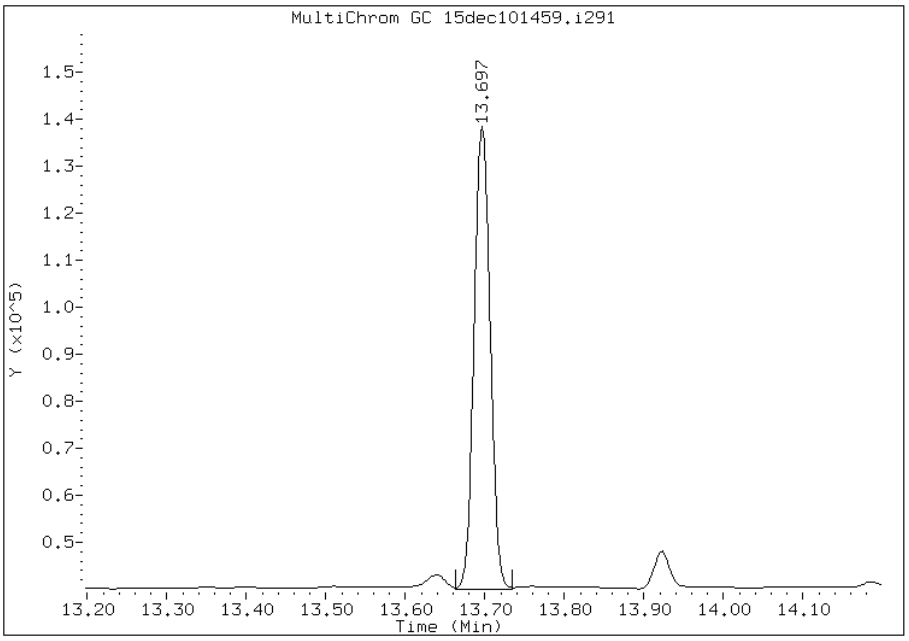
Manual Integration Results

RT: 13.70

Response: 98547

Amount: 73.24

Conc: 73.24



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 15:48 Calibration End Date: 12/15/2010 15:48 Calibration ID: 4060

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/4	15dec101426-r041.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	3.513										3.463 - 3.563	3.513
PCB-1221 Peak 2	3.622										3.572 - 3.672	3.622
PCB-1221 Peak 3	3.684										3.634 - 3.734	3.684
PCB-1221 Peak 4	4.141										4.091 - 4.191	4.141
PCB-1221 Peak 5	4.642										4.592 - 4.692	4.642

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 15:48 Calibration End Date: 12/15/2010 15:48 Calibration ID: 4060

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-11196/4	AR1221_200	15dec101426-r041.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1221 Peak 1	17.720				Ave		18						20.0			
PCB-1221 Peak 2	12.905				Ave		13						20.0			
PCB-1221 Peak 3	42.390				Ave		42						20.0			
PCB-1221 Peak 4	8.3150				Ave		8						20.0			
PCB-1221 Peak 5	5.9550				Ave		6						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 15:48 Calibration End Date: 12/15/2010 15:48 Calibration ID: 4060

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/4	15dec101426-r041.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	3544					200				
PCB-1221 Peak 2	Ave	2581					200				
PCB-1221 Peak 3	Ave	8478					200				
PCB-1221 Peak 4	Ave	1663					200				
PCB-1221 Peak 5	Ave	1191					200				

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/3283_1.i/121510_1/15DEC101426.b/15dec101426-r041.d
Lab Smp Id: IC-28402 Client Smp ID: AR1221_200
Inj Date : 15-DEC-2010 15:48
Operator : DPD Inst ID: 3283_1.i
Smp Info : IC-28402,1,AR1221_200
Misc Info :
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101426.b/8082_RTX5.m
Meth Date : 16-Dec-2010 07:23 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 19:29 Cal File: 15dec101426-r131.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

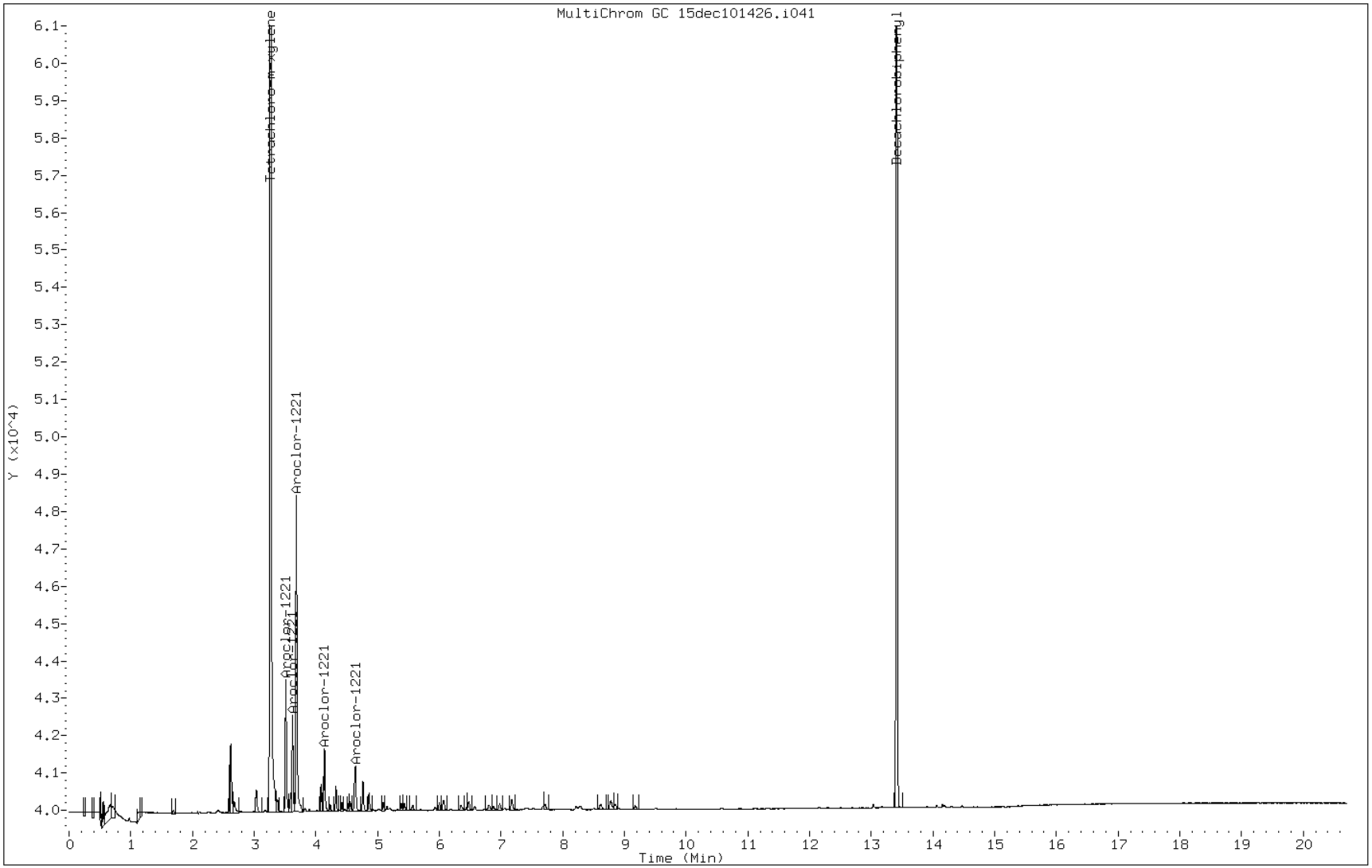
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.265	3.254	0.011	31088	20.0000	18.38	80.00- 120.00	100.00
2 Aroclor-1221					CAS #: 11104-28-2		
3.513	3.513	0.000	3544	200.000	200.0	80.00- 120.00	100.00
3.622	3.622	0.000	2581	200.000	200.0	51.55- 91.55	72.83
3.684	3.684	0.000	8478	200.000	200.0	202.13- 242.13	239.22
4.141	4.141	0.000	1663	200.000	200.0	13.39- 53.39	46.92
4.642	4.642	0.000	1191	200.000	200.0	57.79- 97.79	33.61
Average of Peak Amounts =					200		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.413	13.402	0.011	37032	20.0000	17.83	80.00- 120.00	100.00

Data File:	15dec101426-r041.d	Date:	15-DEC-2010 15:48
Client ID:	AR1221_200	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-28402,1,AR1221_200		
Lab Sample ID:	IC-28402		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 15:48 Calibration End Date: 12/15/2010 15:48 Calibration ID: 4068

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/4	15dec101426-r041.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	3.651										3.601 - 3.701	3.651
PCB-1221 Peak 2	3.806										3.756 - 3.856	3.806
PCB-1221 Peak 3	3.873										3.823 - 3.923	3.873
PCB-1221 Peak 4	3.917										3.867 - 3.967	3.917
PCB-1221 Peak 5	4.349										4.299 - 4.399	4.349

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 15:48 Calibration End Date: 12/15/2010 15:48 Calibration ID: 4068

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-11196/4	AR1221_200	15dec101426-r041.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1221 Peak 1	11.615				Ave		12						20.0			
PCB-1221 Peak 2	9.3300				Ave		9						20.0			
PCB-1221 Peak 3	29.580				Ave		30						20.0			
PCB-1221 Peak 4	5.3800				Ave		5						20.0			
PCB-1221 Peak 5	6.6850				Ave		7						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 15:48 Calibration End Date: 12/15/2010 15:48 Calibration ID: 4068

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/4	15dec101426-r041.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	2323					200				
PCB-1221 Peak 2	Ave	1866					200				
PCB-1221 Peak 3	Ave	5916					200				
PCB-1221 Peak 4	Ave	1076					200				
PCB-1221 Peak 5	Ave	1337					200				

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/3283_2.i/121510_1/15DEC101426.b/15dec101426-r041.d
Lab Smp Id: IC-28402 Client Smp ID: AR1221_200
Inj Date : 15-DEC-2010 15:48
Operator : DPD Inst ID: 3283_2.i
Smp Info : IC-28402,1,AR1221_200
Misc Info :
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101426.b/8082_RTX35.m
Meth Date : 16-Dec-2010 07:25 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 19:29 Cal File: 15dec101426-r131.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

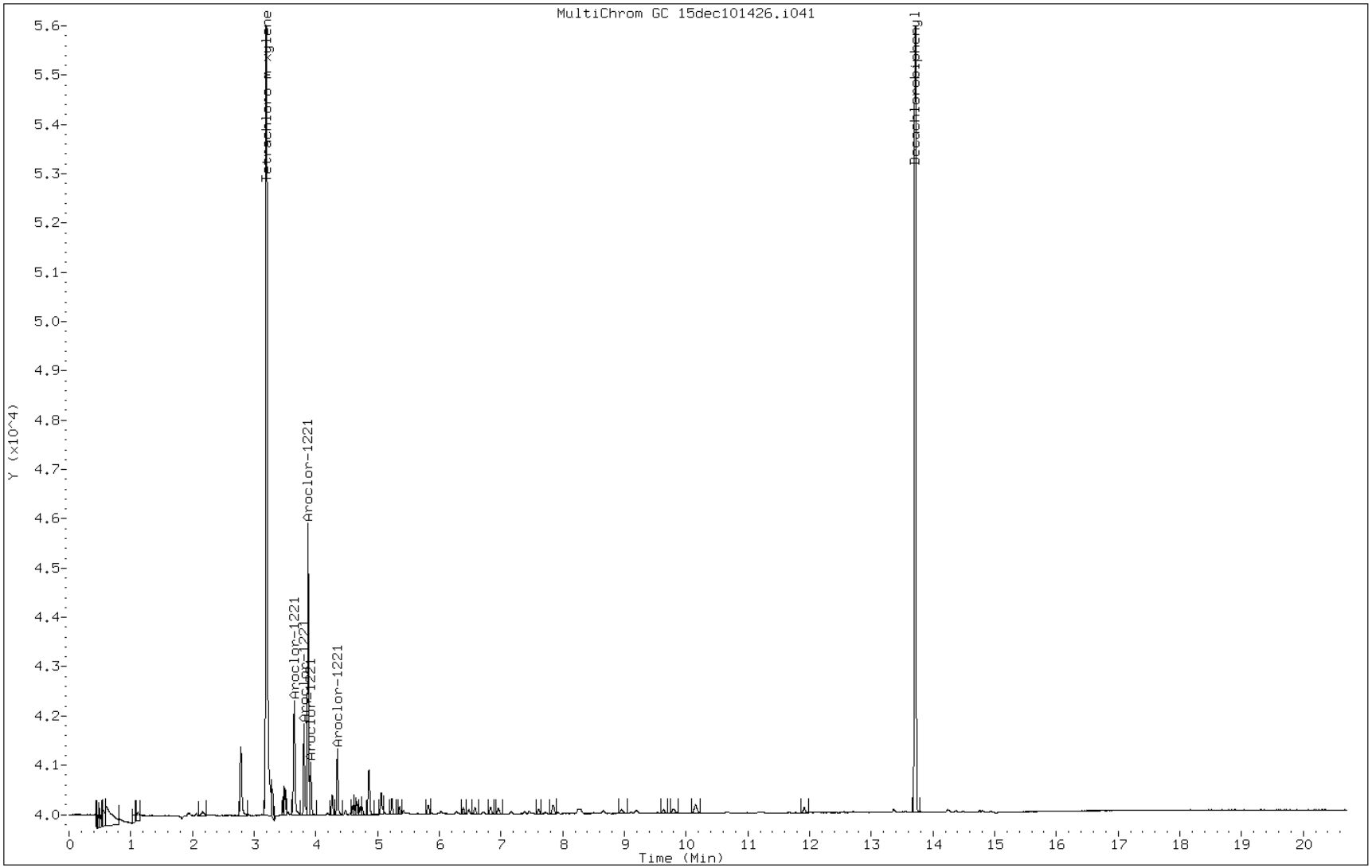
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.201	3.190	0.011	21146	20.0000	18.52	80.00- 120.00	100.00
2 Aroclor-1221					CAS #: 11104-28-2		
3.651	3.651	0.000	2323	200.000	200.0	80.00- 120.00	100.00
3.806	3.806	0.000	1866	200.000	200.0	51.55- 91.55	80.33
3.873	3.873	0.000	5916	200.000	200.0	202.13- 242.13	254.67
3.917	3.917	0.000	1076	200.000	200.0	13.39- 53.39	46.32
4.349	4.349	0.000	1337	200.000	200.0	57.79- 97.79	57.55
Average of Peak Amounts =					200		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.712	13.699	0.013	22774	20.0000	17.29	80.00- 120.00	100.00

Data File:	15dec101426-r041.d	Date:	15-DEC-2010 15:48
Client ID:	AR1221_200	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-28402,1,AR1221_200		
Lab Sample ID:	IC-28402		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 16:13 Calibration End Date: 12/15/2010 16:13 Calibration ID: 4061

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/5	15dec101426-r051.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	3.671										3.621 - 3.721	3.671
PCB-1232 Peak 2	4.107										4.057 - 4.157	4.107
PCB-1232 Peak 3	4.311										4.261 - 4.361	4.311
PCB-1232 Peak 4	4.628										4.578 - 4.678	4.628
PCB-1232 Peak 5	4.753										4.703 - 4.803	4.753

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 16:13 Calibration End Date: 12/15/2010 16:13 Calibration ID: 4061

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-11196/5	AR1232_200	15dec101426-r051.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	35.610				Ave		36						20.0			
PCB-1232 Peak 2	20.540				Ave		21						20.0			
PCB-1232 Peak 3	21.055				Ave		21						20.0			
PCB-1232 Peak 4	40.595				Ave		41						20.0			
PCB-1232 Peak 5	23.790				Ave		24						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 16:13 Calibration End Date: 12/15/2010 16:13 Calibration ID: 4061

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/5	15dec101426-r051.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	7122					200				
PCB-1232 Peak 2	Ave	4108					200				
PCB-1232 Peak 3	Ave	4211					200				
PCB-1232 Peak 4	Ave	8119					200				
PCB-1232 Peak 5	Ave	4758					200				

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/3283_1.i/121510_1/15DEC101426.b/15dec101426-r051.d
Lab Smp Id: IC-28407 Client Smp ID: AR1232_200
Inj Date : 15-DEC-2010 16:13
Operator : DPD Inst ID: 3283_1.i
Smp Info : IC-28407,1,AR1232_200
Misc Info :
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101426.b/8082_RTX5.m
Meth Date : 16-Dec-2010 07:23 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 19:29 Cal File: 15dec101426-r131.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

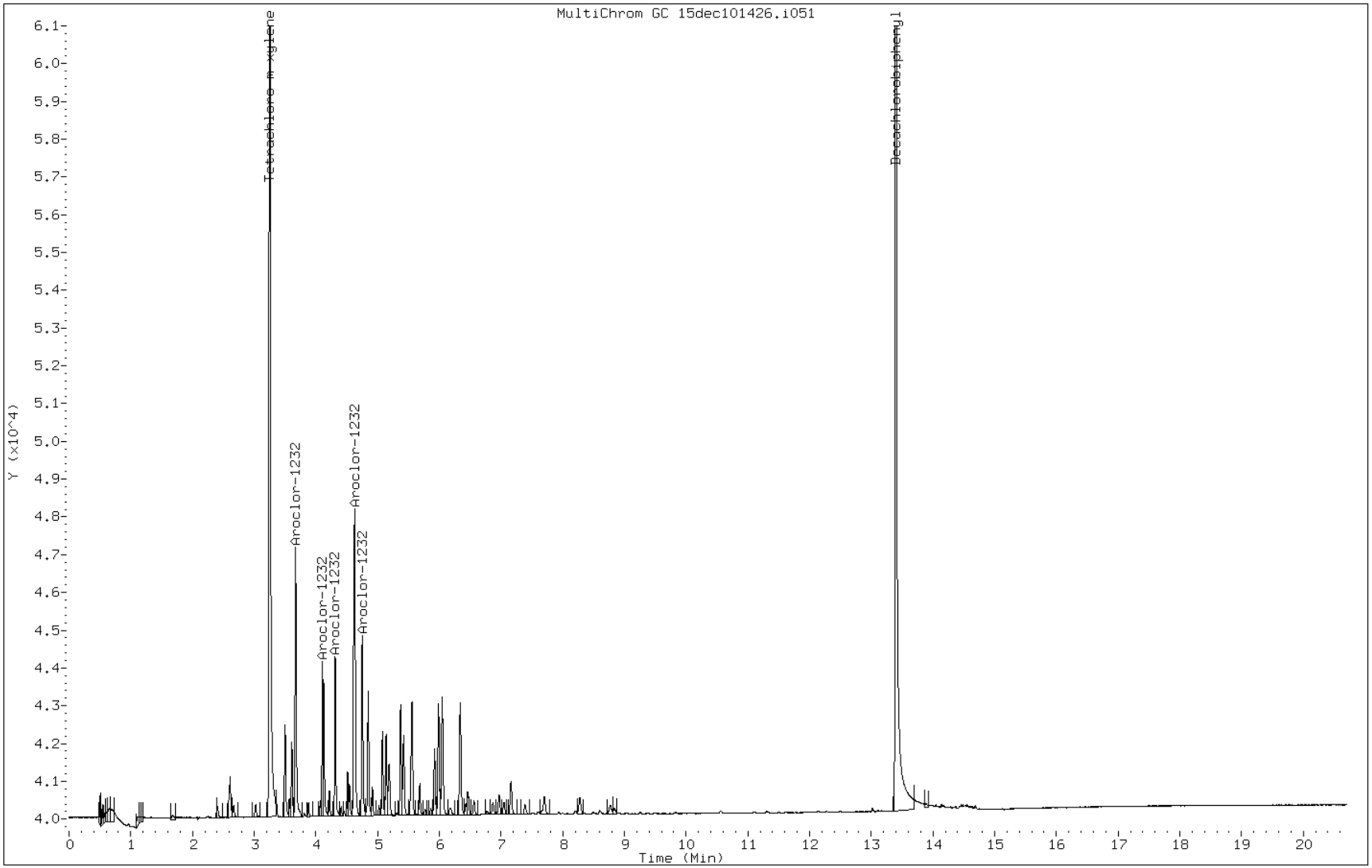
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.254	3.254	0.000	30892	20.0000	18.28	80.00- 120.00	100.00
3 Aroclor-1232					CAS #: 11141-16-5		
3.671	3.671	0.000	7122	200.000	200.0	80.00- 120.00	100.00
4.107	4.107	0.000	4108	200.000	200.0	145.73- 185.73	57.68
4.311	4.311	0.000	4211	200.000	200.0	107.60- 147.60	59.13
4.628	4.628	0.000	8119	200.000	200.0	82.96- 122.96	114.00
4.753	4.753	0.000	4758	200.000	200.0	28.56- 68.56	66.81
Average of Peak Amounts =					200		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.400	13.402	-0.002	39912	20.0000	18.95	80.00- 120.00	100.00

Data File:	15dec101426-r051.d	Date:	15-DEC-2010 16:13
Client ID:	AR1232_200	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-28407,1,AR1232_200		
Lab Sample ID:	IC-28407		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 16:13 Calibration End Date: 12/15/2010 16:13 Calibration ID: 4069

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/5	15dec101426-r051.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	3.866										3.816 - 3.916	3.866
PCB-1232 Peak 2	4.340										4.290 - 4.390	4.340
PCB-1232 Peak 3	4.852										4.802 - 4.902	4.852
PCB-1232 Peak 4	5.052										5.002 - 5.102	5.052
PCB-1232 Peak 5	5.812										5.762 - 5.862	5.812

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 16:13 Calibration End Date: 12/15/2010 16:13 Calibration ID: 4069

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-11196/5	AR1232_200	15dec101426-r051.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	25.605				Ave		26						20.0			
PCB-1232 Peak 2	20.720				Ave		21						20.0			
PCB-1232 Peak 3	30.850				Ave		31						20.0			
PCB-1232 Peak 4	12.095				Ave		12						20.0			
PCB-1232 Peak 5	9.9800				Ave		10						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 16:13 Calibration End Date: 12/15/2010 16:13 Calibration ID: 4069

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/5	15dec101426-r051.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	5121					200				
PCB-1232 Peak 2	Ave	4144					200				
PCB-1232 Peak 3	Ave	6170					200				
PCB-1232 Peak 4	Ave	2419					200				
PCB-1232 Peak 5	Ave	1996					200				

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/3283_2.i/121510_1/15DEC101426.b/15dec101426-r051.d
Lab Smp Id: IC-28407 Client Smp ID: AR1232_200
Inj Date : 15-DEC-2010 16:13
Operator : DPD Inst ID: 3283_2.i
Smp Info : IC-28407,1,AR1232_200
Misc Info :
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101426.b/8082_RTX35.m
Meth Date : 16-Dec-2010 07:25 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 19:29 Cal File: 15dec101426-r131.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

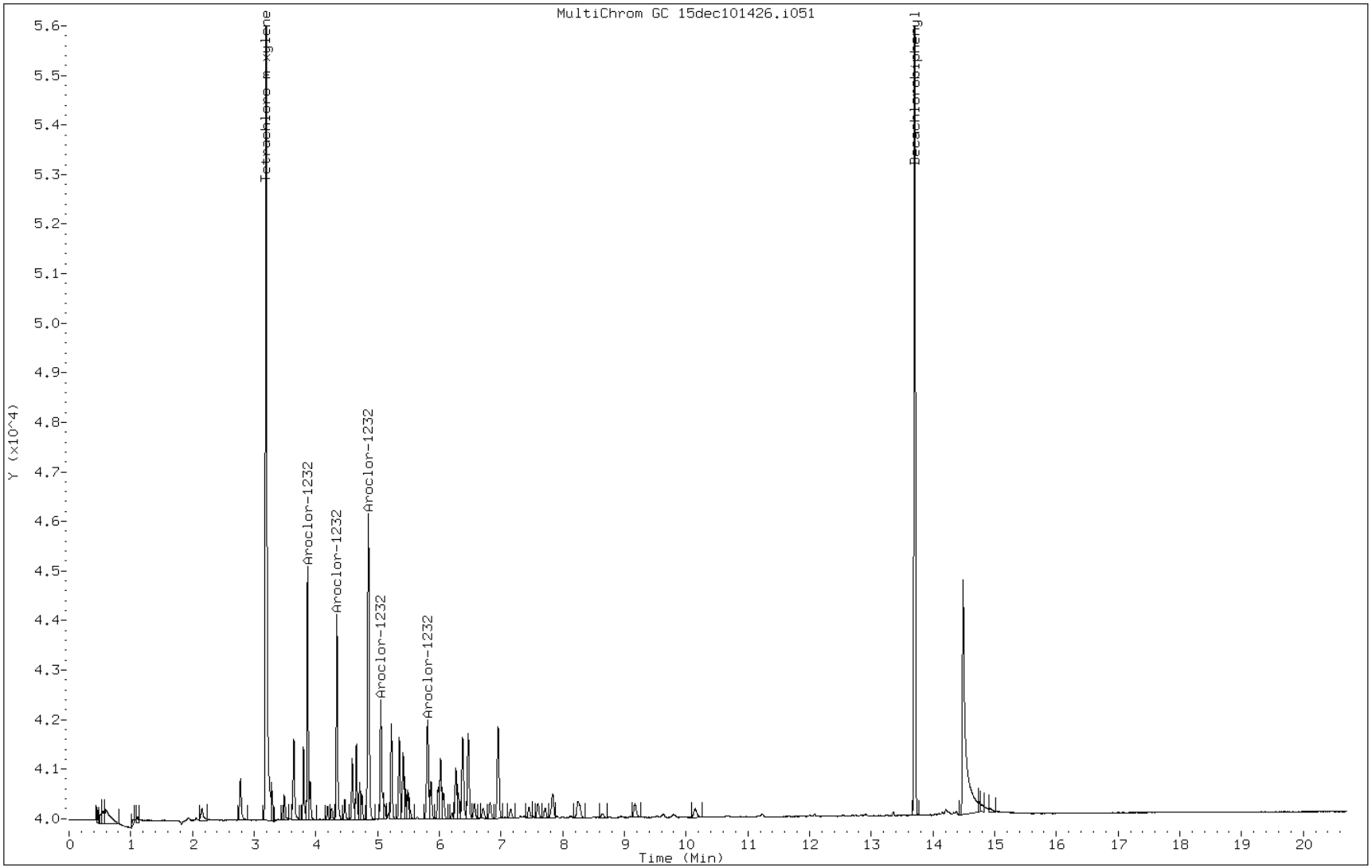
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.194	3.190	0.004	20966	20.0000	18.40	80.00- 120.00	100.00
3 Aroclor-1232					CAS #: 11141-16-5		
3.866	3.866	0.000	5121	200.000	200.0	80.00- 120.00	100.00
4.340	4.340	0.000	4144	200.000	200.0	145.73- 185.73	80.92
4.852	4.852	0.000	6170	200.000	200.0	107.60- 147.60	120.48
5.052	5.052	0.000	2419	200.000	200.0	82.96- 122.96	47.24
5.812	5.812	0.000	1996	200.000	200.0	28.56- 68.56	38.98
Average of Peak Amounts =				200			
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.703	13.699	0.004	24867	20.0000	18.59	80.00- 120.00	100.00

Data File:	15dec101426-r051.d	Date:	15-DEC-2010 16:13
Client ID:	AR1232_200	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-28407,1,AR1232_200		
Lab Sample ID:	IC-28407		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 16:38 Calibration End Date: 12/15/2010 16:38 Calibration ID: 4062

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/6	15dec101426-r061.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	4.112										4.062 - 4.162	4.112
PCB-1242 Peak 2	4.316										4.266 - 4.366	4.316
PCB-1242 Peak 3	4.633										4.583 - 4.683	4.633
PCB-1242 Peak 4	4.757										4.707 - 4.807	4.757
PCB-1242 Peak 5	4.852										4.802 - 4.902	4.852

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 16:38 Calibration End Date: 12/15/2010 16:38 Calibration ID: 4062

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-11196/6	AR1242_200	15dec101426-r061.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1242 Peak 1	38.000				Ave		38						20.0			
PCB-1242 Peak 2	38.885				Ave		39						20.0			
PCB-1242 Peak 3	77.560				Ave		78						20.0			
PCB-1242 Peak 4	42.885				Ave		43						20.0			
PCB-1242 Peak 5	29.910				Ave		30						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 16:38 Calibration End Date: 12/15/2010 16:38 Calibration ID: 4062

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/6	15dec101426-r061.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	7600					200				
PCB-1242 Peak 2	Ave	7777					200				
PCB-1242 Peak 3	Ave	15512					200				
PCB-1242 Peak 4	Ave	8577					200				
PCB-1242 Peak 5	Ave	5982					200				

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/3283_1.i/121510_1/15DEC101426.b/15dec101426-r061.d
Lab Smp Id: IC-28412 Client Smp ID: AR1242_200
Inj Date : 15-DEC-2010 16:38
Operator : DPD Inst ID: 3283_1.i
Smp Info : IC-28412,1,AR1242_200
Misc Info :
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101426.b/8082_RTX5.m
Meth Date : 16-Dec-2010 07:24 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 19:29 Cal File: 15dec101426-r131.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

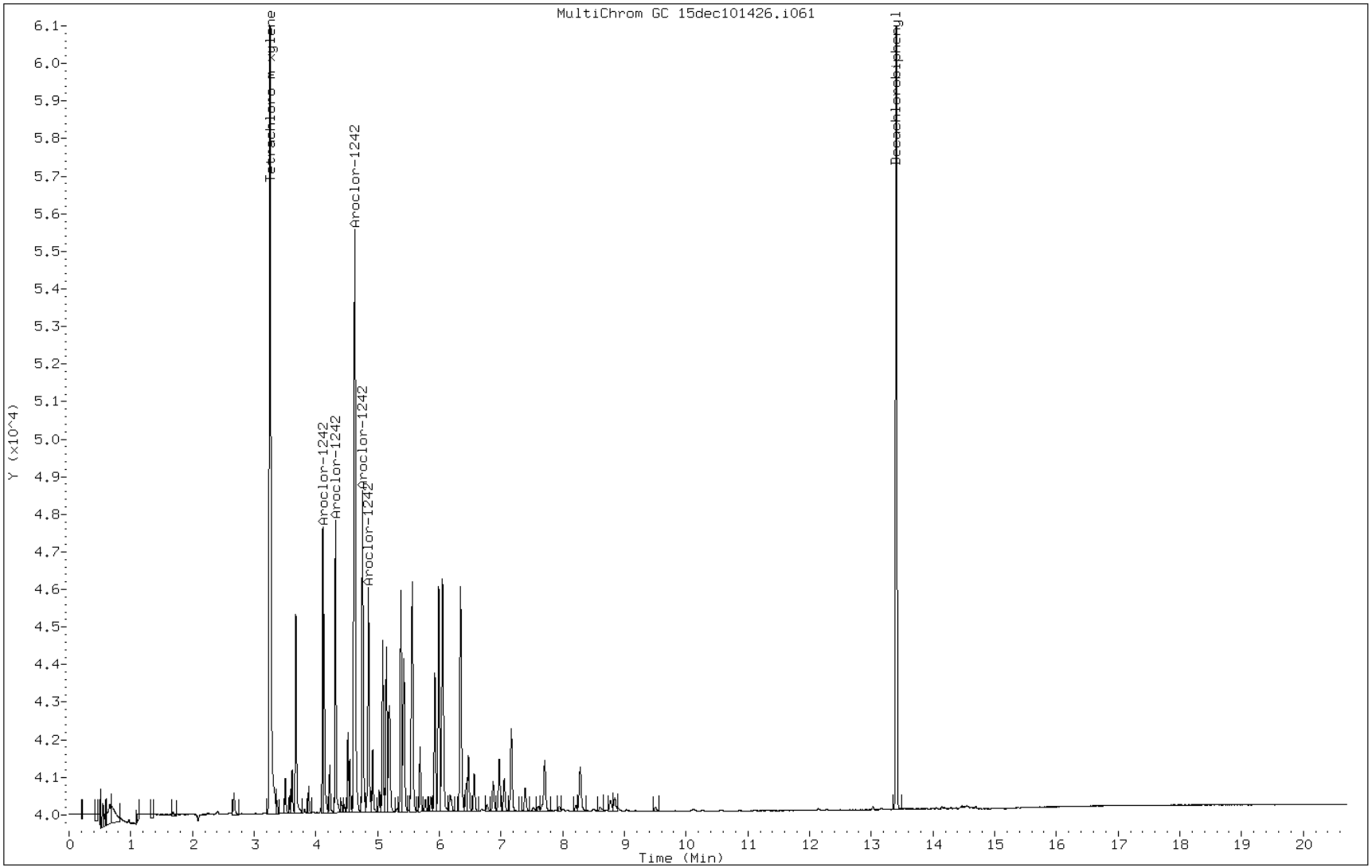
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.259	3.254	0.005	31605	20.0000	18.63	80.00- 120.00	100.00
4 Aroclor-1242					CAS #: 53469-21-9		
4.112	4.112	0.000	7600	200.000	200.0	80.00- 120.00	100.00
4.316	4.316	0.000	7777	200.000	200.0	76.75- 116.75	102.33
4.633	4.633	0.000	15512	200.000	200.0	25.18- 65.18	204.11
4.757	4.757	0.000	8577	200.000	200.0	28.37- 68.37	112.86
4.852	4.852	0.000	5982	200.000	200.0	25.12- 65.12	78.71
Average of Peak Amounts =				200			
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.406	13.402	0.004	39003	20.0000	18.60	80.00- 120.00	100.00

Data File:	15dec101426-r061.d	Date:	15-DEC-2010 16:38
Client ID:	AR1242_200	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-28412,1,AR1242_200		
Lab Sample ID:	IC-28412		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 16:38 Calibration End Date: 12/15/2010 16:38 Calibration ID: 4070

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/6	15dec101426-r061.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	4.340										4.290 - 4.390	4.340
PCB-1242 Peak 2	4.657										4.607 - 4.707	4.657
PCB-1242 Peak 3	4.852										4.802 - 4.902	4.852
PCB-1242 Peak 4	5.052										5.002 - 5.102	5.052
PCB-1242 Peak 5	5.225										5.175 - 5.275	5.225

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 16:38 Calibration End Date: 12/15/2010 16:38 Calibration ID: 4070

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-11196/6	AR1242_200	15dec101426-r061.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1242 Peak 1	35.135				Ave		35						20.0			
PCB-1242 Peak 2	13.375				Ave		13						20.0			
PCB-1242 Peak 3	57.930				Ave		58						20.0			
PCB-1242 Peak 4	22.250				Ave		22						20.0			
PCB-1242 Peak 5	17.830				Ave		18						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 16:38 Calibration End Date: 12/15/2010 16:38 Calibration ID: 4070

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/6	15dec101426-r061.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	7027					200				
PCB-1242 Peak 2	Ave	2675					200				
PCB-1242 Peak 3	Ave	11586					200				
PCB-1242 Peak 4	Ave	4450					200				
PCB-1242 Peak 5	Ave	3566					200				

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/3283_2.i/121510_1/15DEC101426.b/15dec101426-r061.d
Lab Smp Id: IC-28412 Client Smp ID: AR1242_200
Inj Date : 15-DEC-2010 16:38
Operator : DPD Inst ID: 3283_2.i
Smp Info : IC-28412,1,AR1242_200
Misc Info :
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101426.b/8082_RTX35.m
Meth Date : 16-Dec-2010 07:25 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 19:29 Cal File: 15dec101426-r131.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

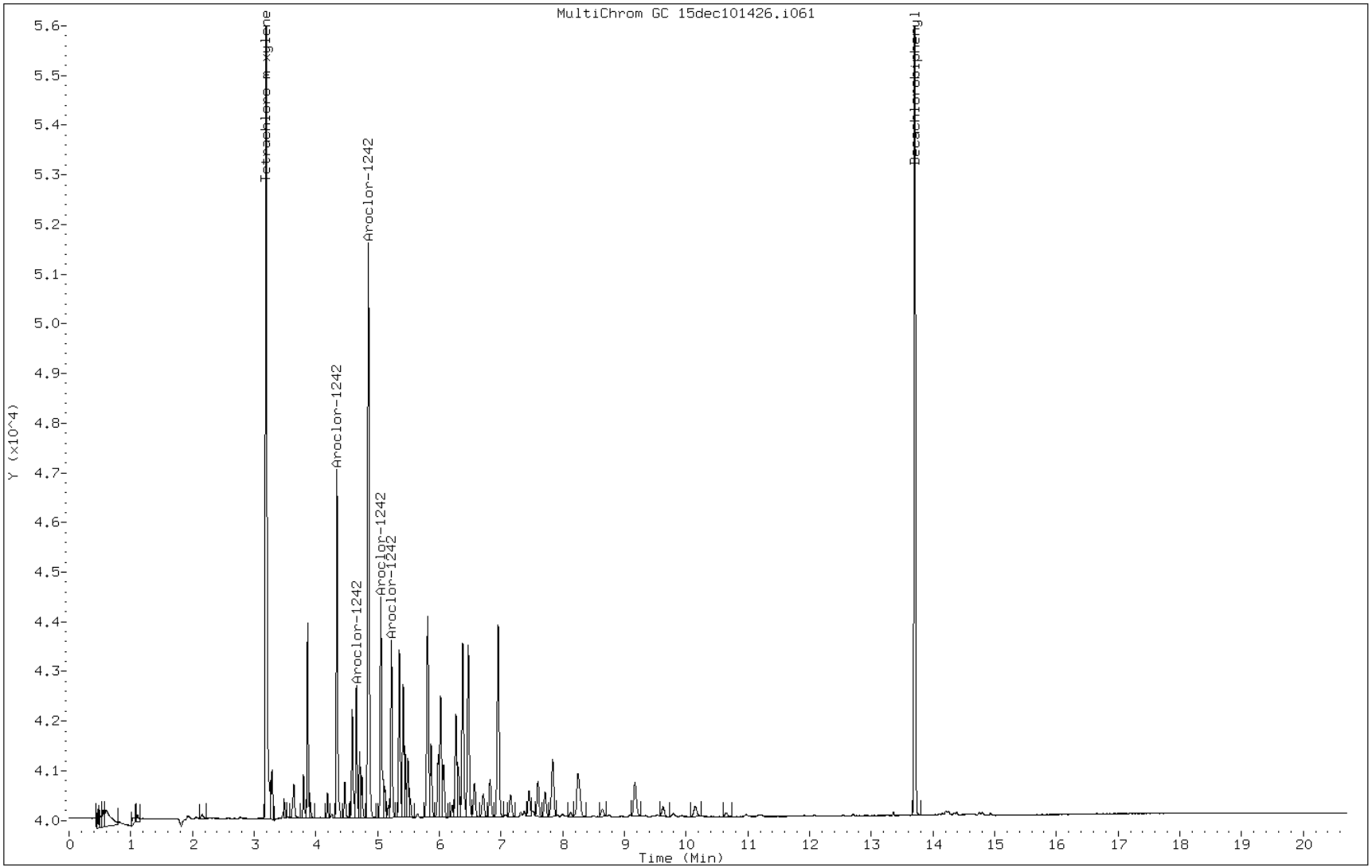
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.194	3.190	0.004	21467	20.0000	18.75	80.00- 120.00	100.00
4 Aroclor-1242					CAS #: 53469-21-9		
4.340	4.340	0.000	7027	200.000	200.0	80.00- 120.00	100.00
4.657	4.657	0.000	2675	200.000	200.0	76.75- 116.75	38.07
4.852	4.852	0.000	11586	200.000	200.0	25.18- 65.18	164.88
5.052	5.052	0.000	4450	200.000	200.0	28.37- 68.37	63.33
5.225	5.225	0.000	3566	200.000	200.0	25.12- 65.12	50.75
Average of Peak Amounts =				200			
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.706	13.699	0.007	24769	20.0000	18.53	80.00- 120.00	100.00

Data File:	15dec101426-r061.d	Date:	15-DEC-2010 16:38
Client ID:	AR1242_200	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-28412,1,AR1242_200		
Lab Sample ID:	IC-28412		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 17:02 Calibration End Date: 12/15/2010 17:02 Calibration ID: 4063

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/7	15dec101426-r071.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	4.112										4.062 - 4.162	4.112
PCB-1248 Peak 2	4.316										4.266 - 4.366	4.316
PCB-1248 Peak 3	4.631										4.581 - 4.681	4.631
PCB-1248 Peak 4	4.757										4.707 - 4.807	4.757
PCB-1248 Peak 5	5.426										5.376 - 5.476	5.426

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 17:02 Calibration End Date: 12/15/2010 17:02 Calibration ID: 4063

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-11196/7	AR1248_200	15dec101426-r071.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1248 Peak 1	21.160				Ave		21						20.0			
PCB-1248 Peak 2	17.205				Ave		17						20.0			
PCB-1248 Peak 3	45.105				Ave		45						20.0			
PCB-1248 Peak 4	21.430				Ave		21						20.0			
PCB-1248 Peak 5	21.890				Ave		22						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 17:02 Calibration End Date: 12/15/2010 17:02 Calibration ID: 4063

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/7	15dec101426-r071.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	4232					200				
PCB-1248 Peak 2	Ave	3441					200				
PCB-1248 Peak 3	Ave	9021					200				
PCB-1248 Peak 4	Ave	4286					200				
PCB-1248 Peak 5	Ave	4378					200				

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/3283_1.i/121510_1/15DEC101426.b/15dec101426-r071.d
Lab Smp Id: IC-28417 Client Smp ID: AR1248_200
Inj Date : 15-DEC-2010 17:02
Operator : DPD Inst ID: 3283_1.i
Smp Info : IC-28417,1,AR1248_200
Misc Info :
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101426.b/8082_RTX5.m
Meth Date : 16-Dec-2010 07:24 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 19:29 Cal File: 15dec101426-r131.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

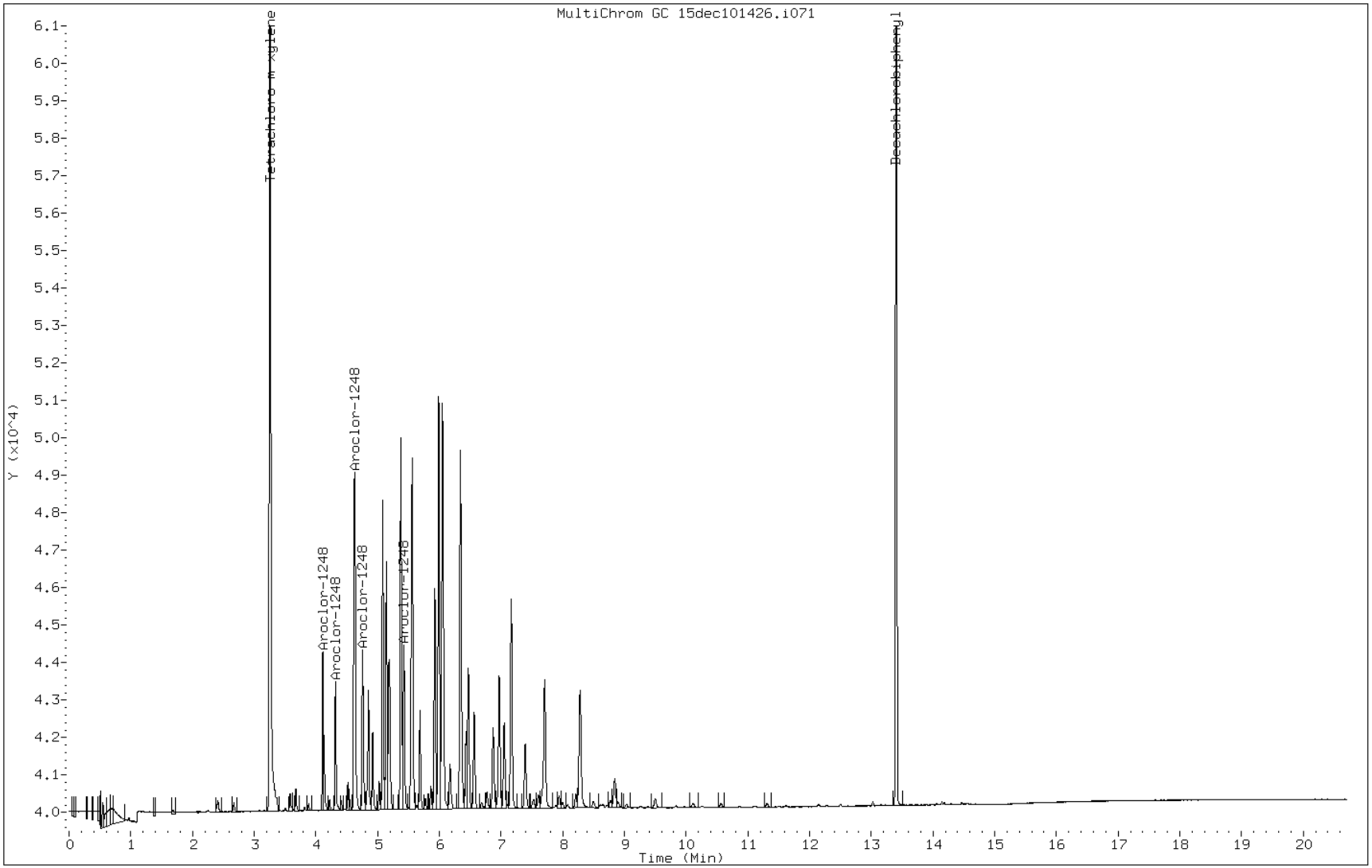
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.259	3.254	0.005	31920	20.0000	18.78	80.00- 120.00	100.00
5 Aroclor-1248					CAS #: 12672-29-6		
4.112	4.112	0.000	4232	200.000	200.0	80.00- 120.00	100.00
4.316	4.316	0.000	3441	200.000	200.0	76.66- 116.66	81.31
4.631	4.631	0.000	9021	200.000	200.0	78.35- 118.35	213.16
4.757	4.757	0.000	4286	200.000	200.0	83.94- 123.94	101.28
5.426	5.426	0.000	4378	200.000	200.0	53.70- 93.70	103.45
Average of Peak Amounts =				200			
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.404	13.402	0.002	41576	20.0000	19.59	80.00- 120.00	100.00

Data File:	15dec101426-r071.d	Date:	15-DEC-2010 17:02
Client ID:	AR1248_200	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-28417,1,AR1248_200		
Lab Sample ID:	IC-28417		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 17:02 Calibration End Date: 12/15/2010 17:02 Calibration ID: 4071

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/7	15dec101426-r071.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	4.345										4.295 - 4.395	4.345
PCB-1248 Peak 2	4.857										4.807 - 4.907	4.857
PCB-1248 Peak 3	5.056										5.006 - 5.106	5.056
PCB-1248 Peak 4	5.451										5.401 - 5.501	5.451
PCB-1248 Peak 5	5.872										5.822 - 5.922	5.872

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 17:02 Calibration End Date: 12/15/2010 17:02 Calibration ID: 4071

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-11196/7	AR1248_200	15dec101426-r071.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1248 Peak 1	16.865				Ave		17						20.0			
PCB-1248 Peak 2	36.400				Ave		36						20.0			
PCB-1248 Peak 3	10.775				Ave		11						20.0			
PCB-1248 Peak 4	9.7300				Ave		10						20.0			
PCB-1248 Peak 5	10.400				Ave		10						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 17:02 Calibration End Date: 12/15/2010 17:02 Calibration ID: 4071

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/7	15dec101426-r071.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	3373					200				
PCB-1248 Peak 2	Ave	7280					200				
PCB-1248 Peak 3	Ave	2155					200				
PCB-1248 Peak 4	Ave	1946					200				
PCB-1248 Peak 5	Ave	2080					200				

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/3283_2.i/121510_1/15DEC101426.b/15dec101426-r071.d
Lab Smp Id: IC-28417 Client Smp ID: AR1248_200
Inj Date : 15-DEC-2010 17:02
Operator : DPD Inst ID: 3283_2.i
Smp Info : IC-28417,1,AR1248_200
Misc Info :
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101426.b/8082_RTX35.m
Meth Date : 16-Dec-2010 07:25 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 19:29 Cal File: 15dec101426-r131.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

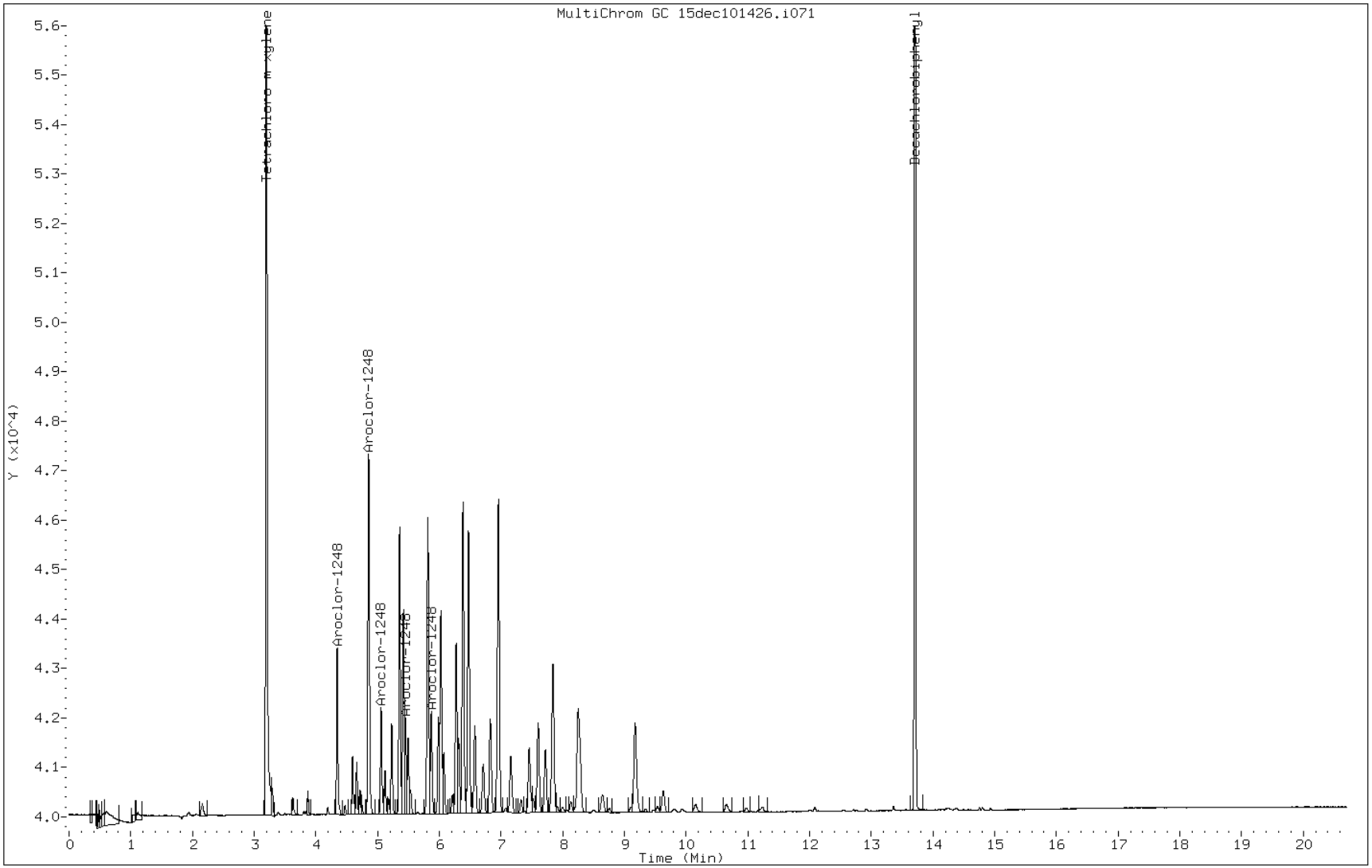
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.199	3.190	0.009	21407	20.0000	18.71	80.00- 120.00	100.00
5 Aroclor-1248					CAS #: 12672-29-6		
4.345	4.345	0.000	3373	200.000	200.0	80.00- 120.00	100.00
4.857	4.857	0.000	7280	200.000	200.0	76.66- 116.66	215.83
5.056	5.056	0.000	2155	200.000	200.0	78.35- 118.35	63.89
5.451	5.451	0.000	1946	200.000	200.0	83.94- 123.94	57.69
5.872	5.872	0.000	2080	200.000	200.0	53.70- 93.70	61.67
Average of Peak Amounts =					200		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.708	13.699	0.009	26080	20.0000	19.32	80.00- 120.00	100.00

Data File:	15dec101426-r071.d	Date:	15-DEC-2010 17:02
Client ID:	AR1248_200	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-28417,1,AR1248_200		
Lab Sample ID:	IC-28417		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 17:27 Calibration End Date: 12/15/2010 17:27 Calibration ID: 4064

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/8	15dec101426-r081.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	6.561										6.511 - 6.611	6.561
PCB-1254 Peak 2	6.867										6.817 - 6.917	6.867
PCB-1254 Peak 3	6.967										6.917 - 7.017	6.967
PCB-1254 Peak 4	7.049										6.999 - 7.099	7.049
PCB-1254 Peak 5	7.701										7.651 - 7.751	7.701

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 17:27 Calibration End Date: 12/15/2010 17:27 Calibration ID: 4064

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-11196/8	AR1254_200	15dec101426-r081.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1254 Peak 1	25.610				Ave		26						20.0			
PCB-1254 Peak 2	21.755				Ave		22						20.0			
PCB-1254 Peak 3	45.080				Ave		45						20.0			
PCB-1254 Peak 4	15.135				Ave		15						20.0			
PCB-1254 Peak 5	52.800				Ave		53						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 17:27 Calibration End Date: 12/15/2010 17:27 Calibration ID: 4064

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/8	15dec101426-r081.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	5122					200				
PCB-1254 Peak 2	Ave	4351					200				
PCB-1254 Peak 3	Ave	9016					200				
PCB-1254 Peak 4	Ave	3027					200				
PCB-1254 Peak 5	Ave	10560					200				

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/3283_1.i/121510_1/15DEC101426.b/15dec101426-r081.d
Lab Smp Id: IC-30265 Client Smp ID: AR1254_200
Inj Date : 15-DEC-2010 17:27
Operator : DPD Inst ID: 3283_1.i
Smp Info : IC-30265,1,AR1254_200
Misc Info :
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101426.b/8082_RTX5.m
Meth Date : 16-Dec-2010 07:24 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 19:29 Cal File: 15dec101426-r131.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

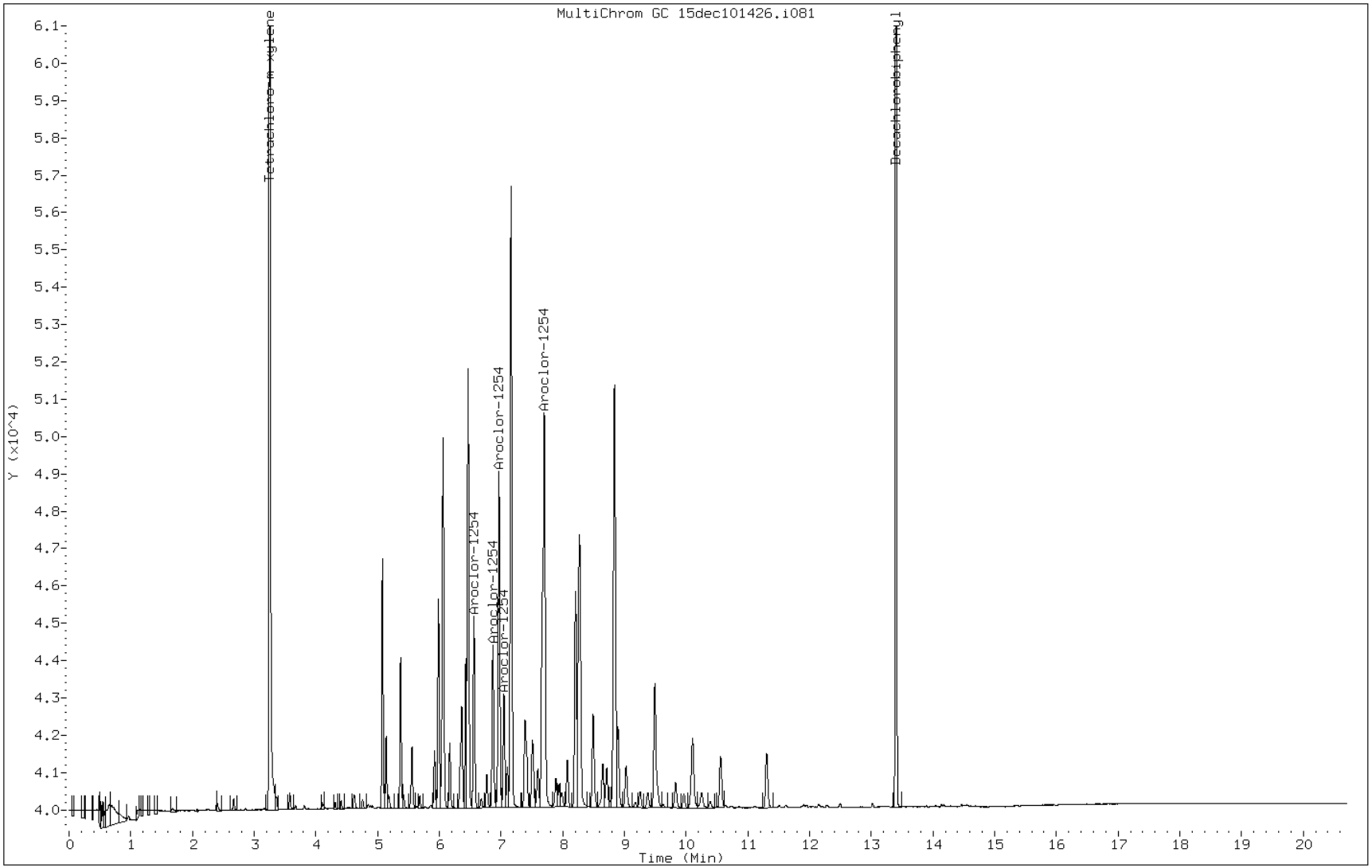
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.252	3.254	-0.002	31027	20.0000	18.35	80.00- 120.00	100.00
6 Aroclor-1254					CAS #: 11097-69-1		
6.561	6.561	0.000	5122	200.000	200.0	80.00- 120.00	100.00
6.867	6.867	0.000	4351	200.000	200.0	105.70- 145.70	84.95
6.967	6.967	0.000	9016	200.000	200.0	132.86- 172.86	176.02
7.049	7.049	0.000	3027	200.000	200.0	83.52- 123.52	59.10
7.701	7.701	0.000	10560	200.000	200.0	92.98- 132.98	206.17
Average of Peak Amounts =				200			
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.402	13.402	0.000	38056	20.0000	18.23	80.00- 120.00	100.00

Data File:	15dec101426-r081.d	Date:	15-DEC-2010 17:27
Client ID:	AR1254_200	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30265,1,AR1254_200		
Lab Sample ID:	IC-30265		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 17:27 Calibration End Date: 12/15/2010 17:27 Calibration ID: 4072

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/8	15dec101426-r081.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	7.149										7.099 - 7.199	7.149
PCB-1254 Peak 2	7.446										7.396 - 7.496	7.446
PCB-1254 Peak 3	7.592										7.542 - 7.642	7.592
PCB-1254 Peak 4	7.707										7.657 - 7.757	7.707
PCB-1254 Peak 5	8.239										8.189 - 8.289	8.239

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 17:27 Calibration End Date: 12/15/2010 17:27 Calibration ID: 4072

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-11196/8	AR1254_200	15dec101426-r081.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1254 Peak 1	10.680				Ave		11						20.0			
PCB-1254 Peak 2	12.655				Ave		13						20.0			
PCB-1254 Peak 3	24.280				Ave		24						20.0			
PCB-1254 Peak 4	8.5200				Ave		9						20.0			
PCB-1254 Peak 5	31.755				Ave		32						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 17:27 Calibration End Date: 12/15/2010 17:27 Calibration ID: 4072

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/8	15dec101426-r081.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	2136					200				
PCB-1254 Peak 2	Ave	2531					200				
PCB-1254 Peak 3	Ave	4856					200				
PCB-1254 Peak 4	Ave	1704					200				
PCB-1254 Peak 5	Ave	6351					200				

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/3283_2.i/121510_1/15DEC101426.b/15dec101426-r081.d
Lab Smp Id: IC-30265 Client Smp ID: AR1254_200
Inj Date : 15-DEC-2010 17:27
Operator : DPD Inst ID: 3283_2.i
Smp Info : IC-30265,1,AR1254_200
Misc Info :
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101426.b/8082_RTX35.m
Meth Date : 16-Dec-2010 07:25 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 19:29 Cal File: 15dec101426-r131.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

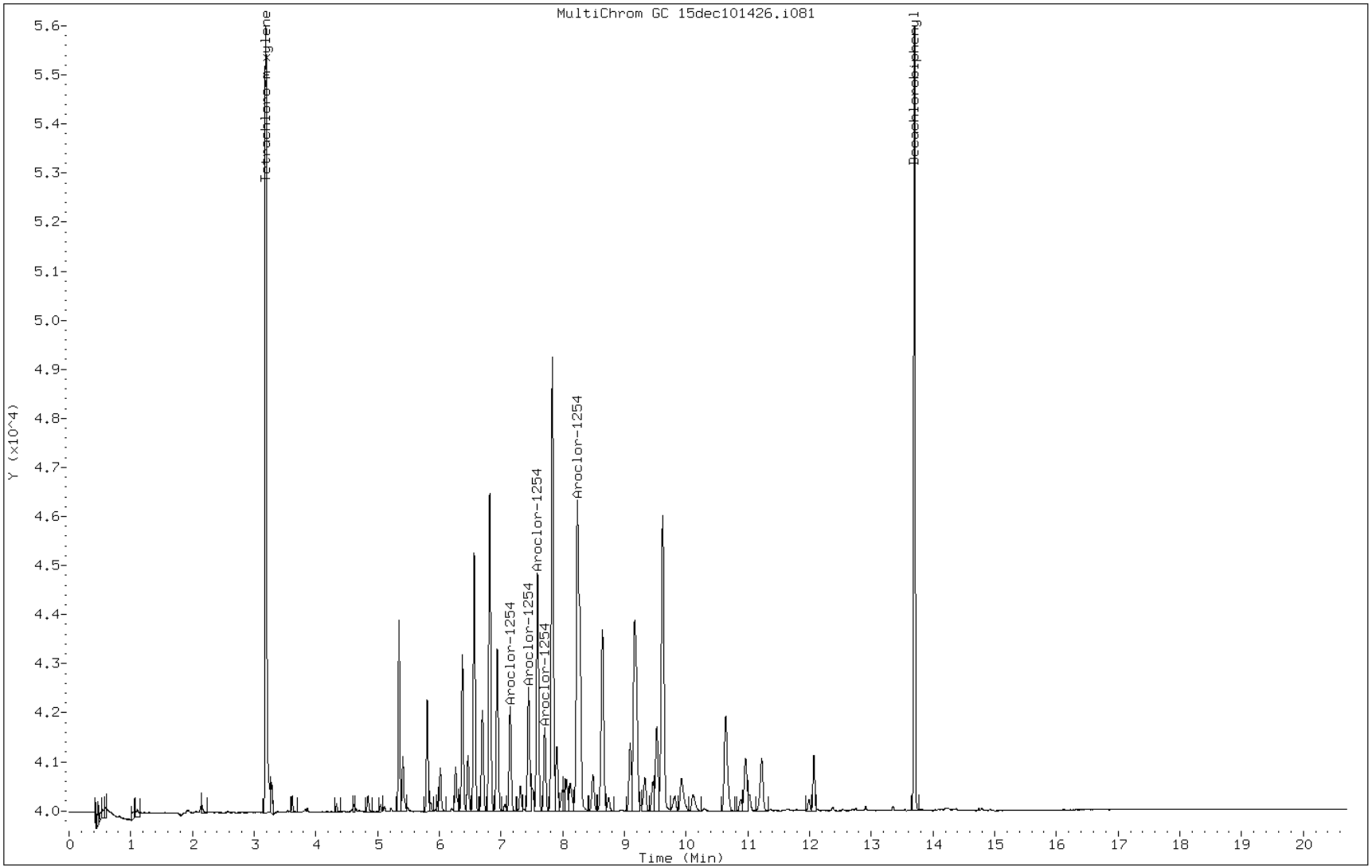
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)		
RT	EXP RT	DLT RT	RESPONSE			TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.188	3.190	-0.002	21412	20.0000	18.71	80.00- 120.00	100.00
6 Aroclor-1254					CAS #: 11097-69-1		
7.149	7.149	0.000	2136	200.000	200.0	80.00- 120.00	100.00(M)
7.446	7.446	0.000	2531	200.000	200.0	105.70- 145.70	118.49
7.592	7.592	0.000	4856	200.000	200.0	132.86- 172.86	227.34
7.707	7.707	0.000	1704	200.000	200.0	83.52- 123.52	79.78
8.239	8.239	0.000	6351	200.000	200.0	92.98- 132.98	297.33
Average of Peak Amounts =				200			
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.699	13.699	0.000	24538	20.0000	18.39	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File:	15dec101426-r081.d	Date:	15-DEC-2010 17:27
Client ID:	AR1254_200	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30265,1,AR1254_200		
Lab Sample ID:	IC-30265		



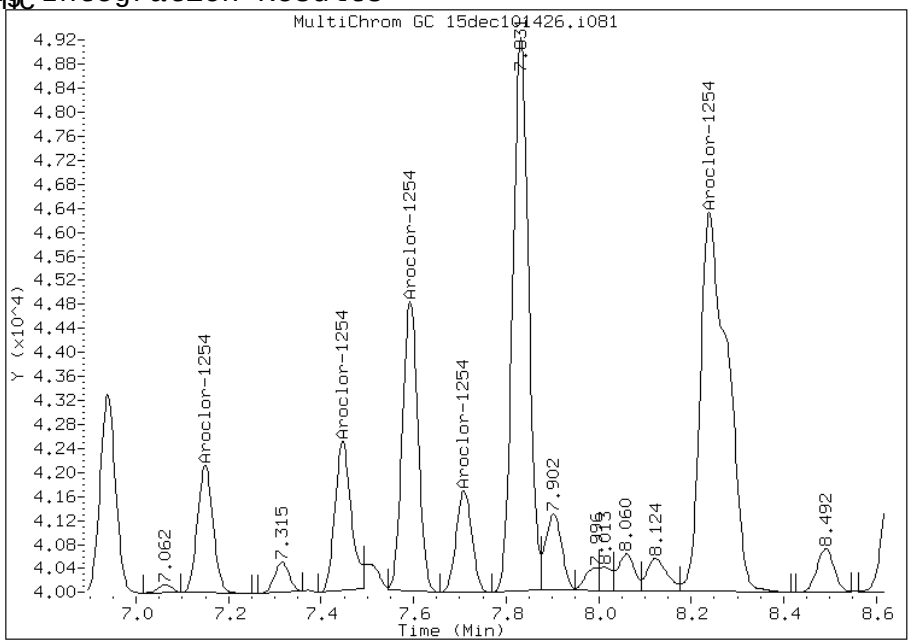
Manual Integration Report

Data File: 15dec101426-r081.d
Lab Sample ID: IC-30265
Inj. Date and Time: 15-DEC-2010 17:27
Instrument ID: 3283_2.i
Client ID: AR1254_200
Compound: 6 Aroclor-1254
CAS #: 11097-69-1
Report Date: 12/16/2010

Processing Integration Results

RT	Response	Conc
7.15	2124*	200.00
7.45	2480*	200.00
7.59	4812*	200.00
7.71	1687*	200.00
8.24	6318*	200.00

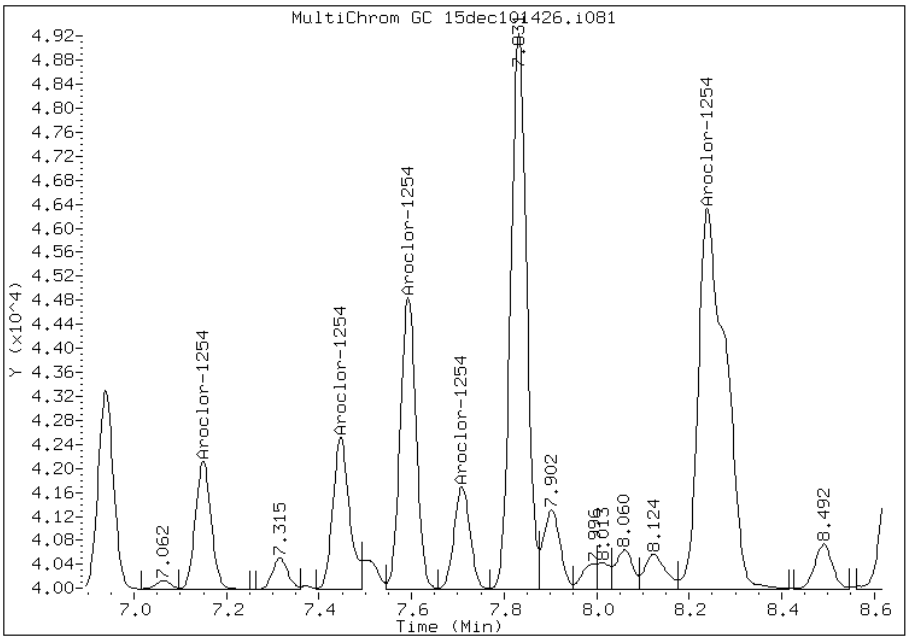
Final Conc		200.00



Manual Integration Results

RT	Response	Conc
7.15	2136*	200.00
7.45	2531*	200.00
7.59	4856*	200.00
7.71	1704*	200.00
8.24	6351*	200.00

Final Conc		200.00



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 17:51 Calibration End Date: 12/15/2010 17:51 Calibration ID: 4065

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/9	15dec101426-r091.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1262 Peak 1	8.532										8.482 - 8.582	8.532
PCB-1262 Peak 2	9.261										9.211 - 9.311	9.261
PCB-1262 Peak 3	9.383										9.333 - 9.433	9.383
PCB-1262 Peak 4	10.562										10.512 - 10.612	10.562
PCB-1262 Peak 5	11.309										11.259 - 11.359	11.309

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 17:51 Calibration End Date: 12/15/2010 17:51 Calibration ID: 4065

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-11196/9	AR1262_200	15dec101426-r091.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1262 Peak 1	32.840				Ave		33						20.0			
PCB-1262 Peak 2	85.485				Ave		85						20.0			
PCB-1262 Peak 3	35.595				Ave		36						20.0			
PCB-1262 Peak 4	155.27				Ave		155						20.0			
PCB-1262 Peak 5	52.810				Ave		53						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 17:51 Calibration End Date: 12/15/2010 17:51 Calibration ID: 4065

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/9	15dec101426-r091.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1262 Peak 1	Ave	6568					200				
PCB-1262 Peak 2	Ave	17097					200				
PCB-1262 Peak 3	Ave	7119					200				
PCB-1262 Peak 4	Ave	31054					200				
PCB-1262 Peak 5	Ave	10562					200				

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/3283_1.i/121510_1/15DEC101426.b/15dec101426-r091.d
Lab Smp Id: IC-30289 Client Smp ID: AR1262_200
Inj Date : 15-DEC-2010 17:51
Operator : DPD Inst ID: 3283_1.i
Smp Info : IC-30289,1,AR1262_200
Misc Info :
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101426.b/8082_RTX5.m
Meth Date : 16-Dec-2010 07:24 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 19:29 Cal File: 15dec101426-r131.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1262STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

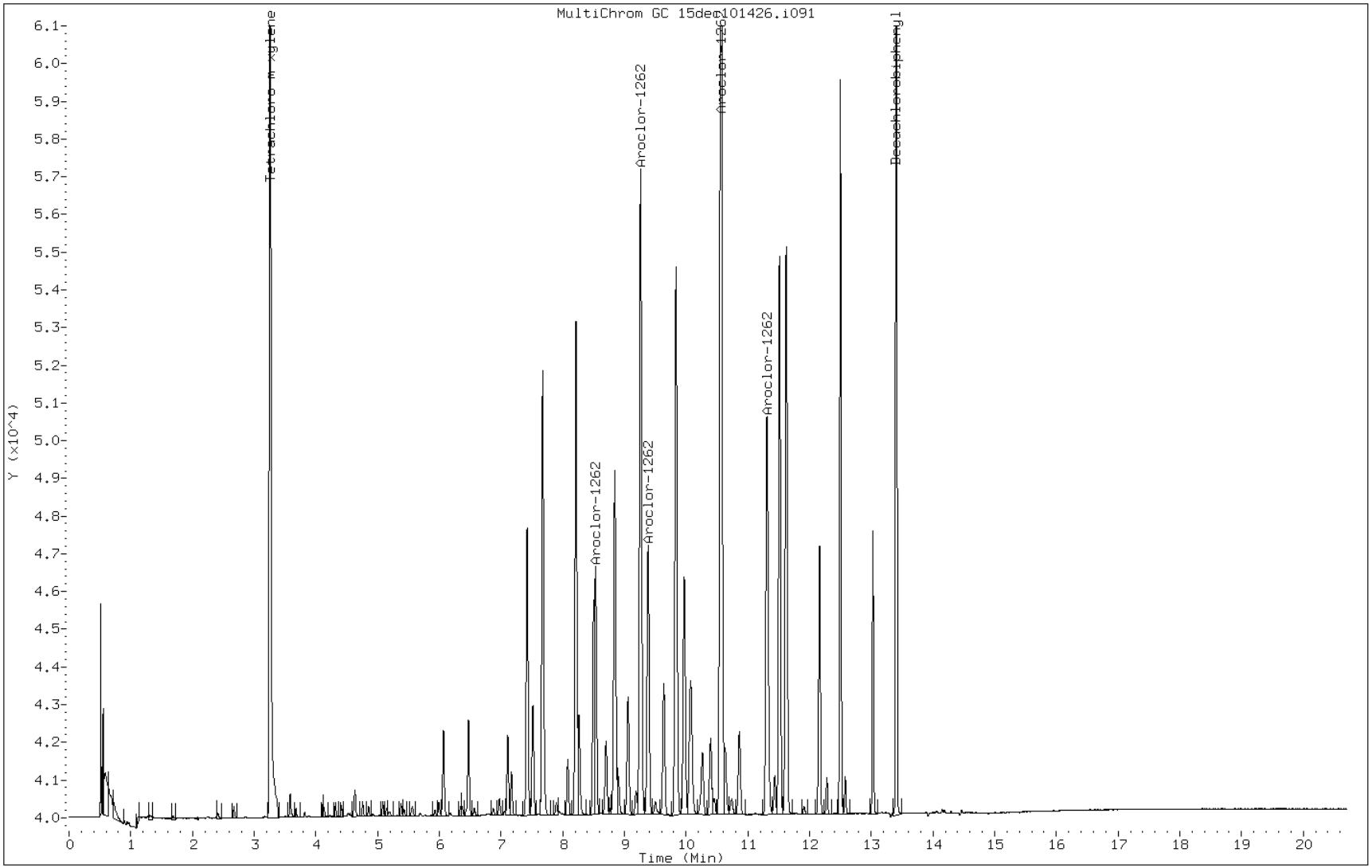
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

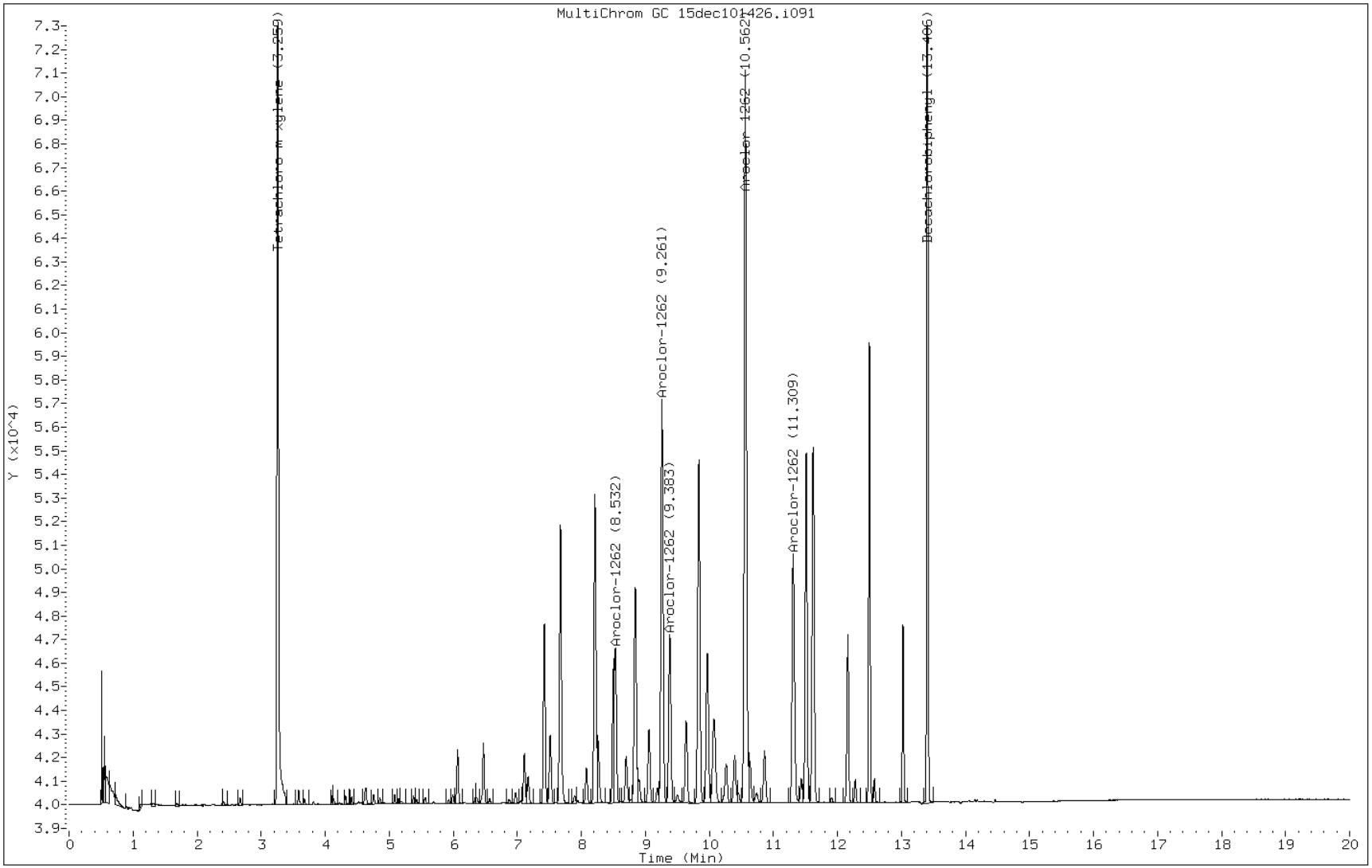
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.259	3.254	0.005	43509	20.0000	23.96	80.00- 120.00	100.00
8 Aroclor-1262					CAS #: 37324-23-5		
8.532	8.532	0.000	6568	200.000	200.0	0.00- 20.00	100.00
9.261	9.261	0.000	17097	200.000	200.0	0.00- 20.00	260.31
9.383	9.383	0.000	7119	200.000	200.0	0.00- 20.00	108.39
10.562	10.562	0.000	31054	200.000	200.0	0.00- 20.00	472.81
11.309	11.309	0.000	10562	200.000	200.0	0.00- 20.00	160.81
Average of Peak Amounts =				200			
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.406	13.402	0.004	52796	20.0000	23.62	80.00- 120.00	100.00

Data File:	15dec101426-r091.d	Date:	15-DEC-2010 17:51
Client ID:	AR1262_200	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30289,1,AR1262_200		
Lab Sample ID:	IC-30289		



Data File:	15dec101426-r091.d	Date:	15-DEC-2010 17:51
Client ID:	AR1262_200	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-30289,1,AR1262_200		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 17:51 Calibration End Date: 12/15/2010 17:51 Calibration ID: 4073

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/9	15dec101426-r091.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1262 Peak 1	8.645										8.595 - 8.695	8.645
PCB-1262 Peak 2	9.277										9.227 - 9.327	9.277
PCB-1262 Peak 3	9.525										9.475 - 9.575	9.525
PCB-1262 Peak 4	9.962										9.912 - 10.012	9.962
PCB-1262 Peak 5	11.225										11.175 - 11.275	11.225

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 17:51 Calibration End Date: 12/15/2010 17:51 Calibration ID: 4073

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-11196/9	AR1262_200	15dec101426-r091.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1262 Peak 1	38.220				Ave		38						20.0			
PCB-1262 Peak 2	17.620				Ave		18						20.0			
PCB-1262 Peak 3	20.375				Ave		20						20.0			
PCB-1262 Peak 4	21.095				Ave		21						20.0			
PCB-1262 Peak 5	104.43				Ave		104						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 17:51 Calibration End Date: 12/15/2010 17:51 Calibration ID: 4073

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/9	15dec101426-r091.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1262 Peak 1	Ave	7644					200				
PCB-1262 Peak 2	Ave	3524					200				
PCB-1262 Peak 3	Ave	4075					200				
PCB-1262 Peak 4	Ave	4219					200				
PCB-1262 Peak 5	Ave	20885					200				

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/3283_2.i/121510_1/15DEC101426.b/15dec101426-r091.d
Lab Smp Id: IC-30289 Client Smp ID: AR1262_200
Inj Date : 15-DEC-2010 17:51
Operator : DPD Inst ID: 3283_2.i
Smp Info : IC-30289,1,AR1262_200
Misc Info :
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101426.b/8082_RTX35.m
Meth Date : 16-Dec-2010 07:25 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 19:29 Cal File: 15dec101426-r131.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1262STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

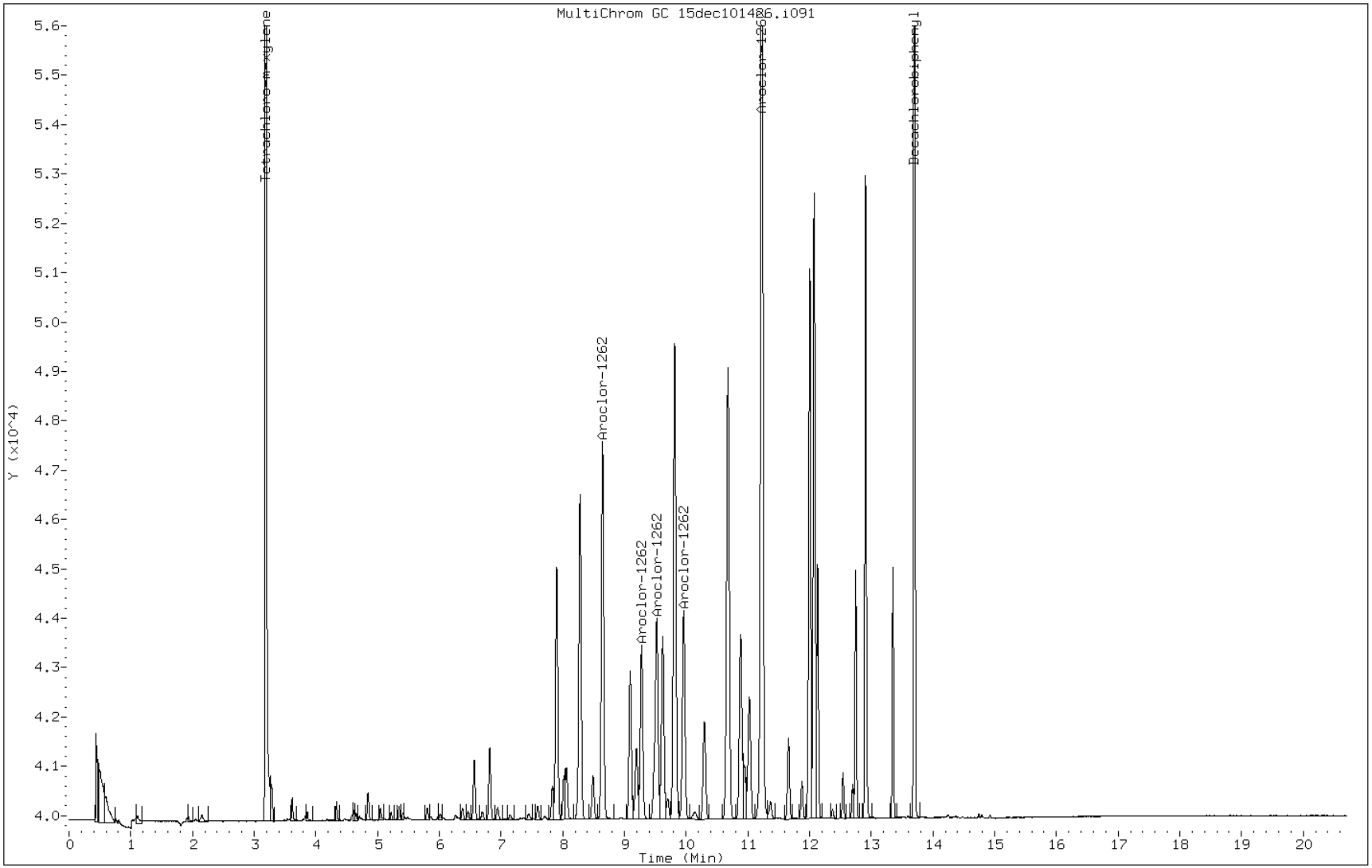
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

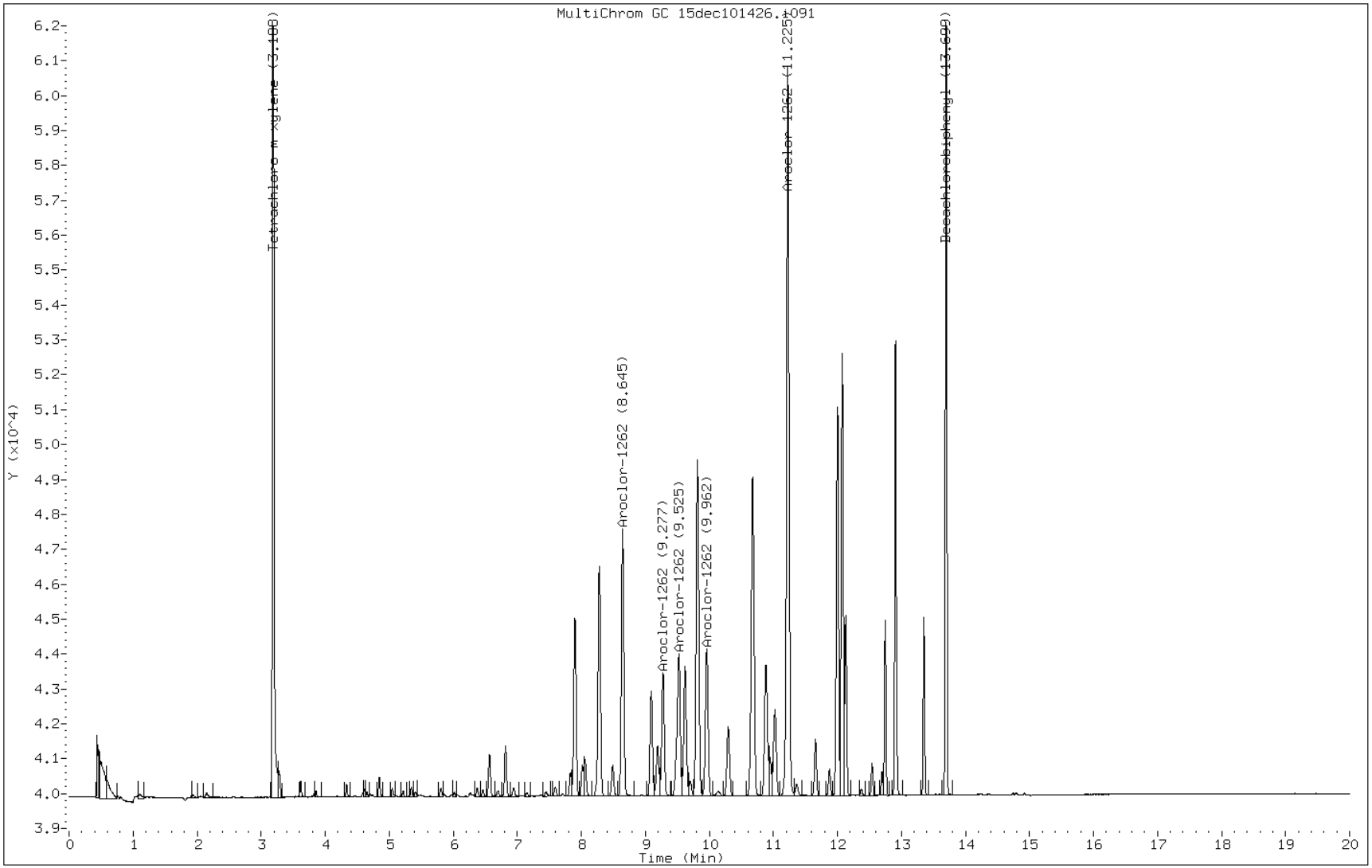
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.188	3.190	-0.002	29153	20.0000	23.86	80.00- 120.00	100.00
8 Aroclor-1262					CAS #: 37324-23-5		
8.645	8.645	0.000	7644	200.000	200.0	0.00- 20.00	100.00
9.277	9.277	0.000	3524	200.000	200.0	0.00- 20.00	46.10
9.525	9.525	0.000	4075	200.000	200.0	0.00- 20.00	53.31
9.962	9.962	0.000	4219	200.000	200.0	0.00- 20.00	55.19
11.225	11.225	0.000	20885	200.000	200.0	0.00- 20.00	273.22
Average of Peak Amounts =					200		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.699	13.699	0.000	32725	20.0000	23.11	80.00- 120.00	100.00

Data File:	15dec101426-r091.d	Date:	15-DEC-2010 17:51
Client ID:	AR1262_200	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30289,1,AR1262_200		
Lab Sample ID:	IC-30289		



Data File:	15dec101426-r091.d	Date:	15-DEC-2010 17:51
Client ID:	AR1262_200	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	IC-30289,1,AR1262_200		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 18:16 Calibration End Date: 12/15/2010 18:16 Calibration ID: 4066

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/10	15dec101426-r101.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1268 Peak 1	11.500										11.450 - 11.550	11.500
PCB-1268 Peak 2	11.604										11.554 - 11.654	11.604
PCB-1268 Peak 3	12.134										12.084 - 12.184	12.134
PCB-1268 Peak 4	12.269										12.219 - 12.319	12.269
PCB-1268 Peak 5	13.014										12.964 - 13.064	13.014

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 18:16 Calibration End Date: 12/15/2010 18:16 Calibration ID: 4066

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-11196/10	AR1268_200	15dec101426-r101.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1268 Peak 1	163.86				Ave		164						20.0			
PCB-1268 Peak 2	160.11				Ave		160						20.0			
PCB-1268 Peak 3	152.16				Ave		152						20.0			
PCB-1268 Peak 4	41.440				Ave		41						20.0			
PCB-1268 Peak 5	759.97				Ave		760						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 18:16 Calibration End Date: 12/15/2010 18:16 Calibration ID: 4066

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/10	15dec101426-r101.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1268 Peak 1	Ave	32771					200				
PCB-1268 Peak 2	Ave	32021					200				
PCB-1268 Peak 3	Ave	30432					200				
PCB-1268 Peak 4	Ave	8288					200				
PCB-1268 Peak 5	Ave	151993					200				

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/3283_1.i/121510_1/15DEC101426.b/15dec101426-r101.d
Lab Smp Id: IC-30294 Client Smp ID: AR1268_200
Inj Date : 15-DEC-2010 18:16
Operator : DPD Inst ID: 3283_1.i
Smp Info : IC-30294,1,AR1268_200
Misc Info :
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101426.b/8082_RTX5.m
Meth Date : 16-Dec-2010 07:24 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 19:29 Cal File: 15dec101426-r131.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

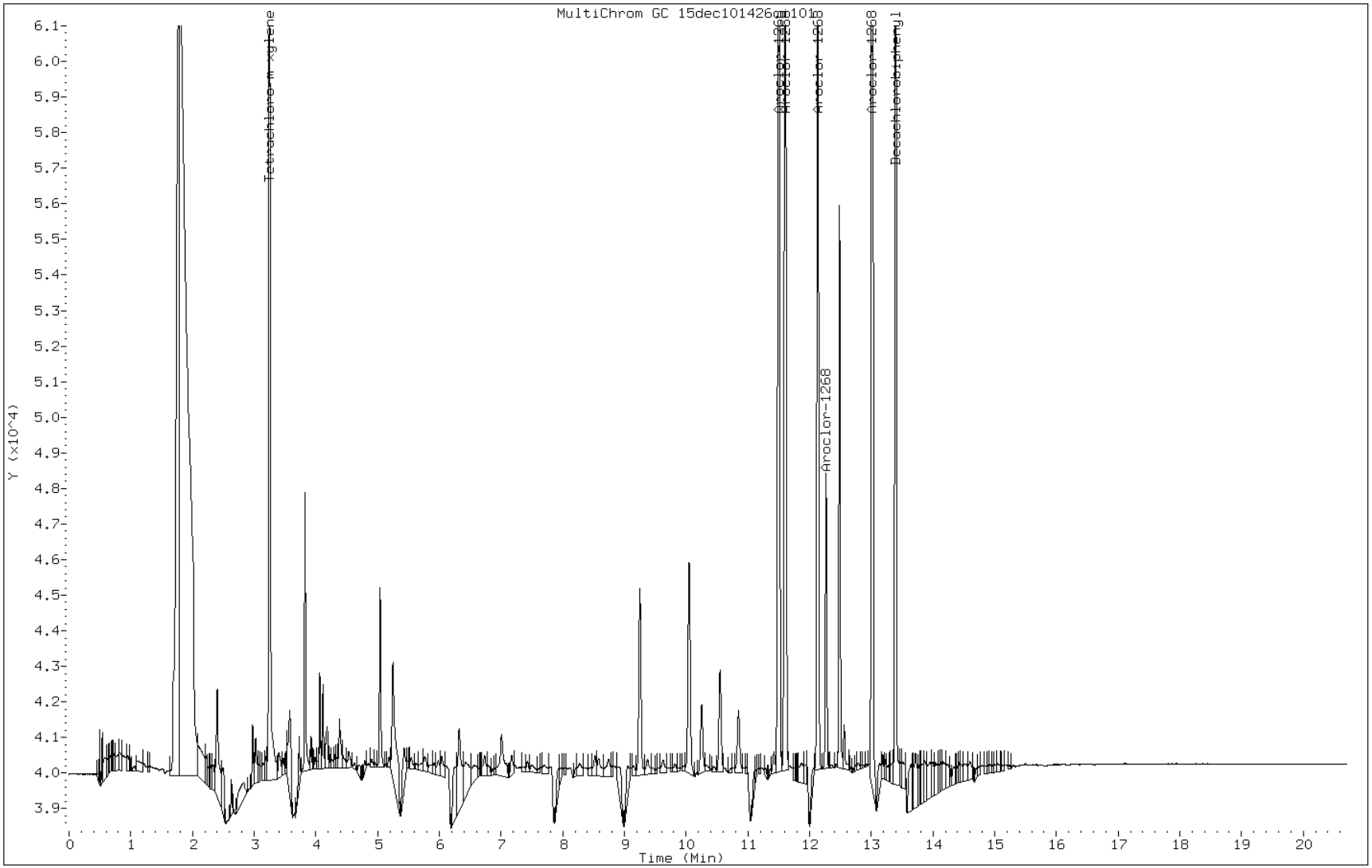
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.250	3.254	-0.004	29720	20.0000	17.71	80.00- 120.00	100.00
9 Aroclor-1268					CAS #: 11100-14-4		
11.500	11.500	0.000	32771	200.000	200.0	0.00- 20.00	100.00(M)
11.604	11.604	0.000	32021	200.000	200.0	0.00- 20.00	97.71
12.134	12.134	0.000	30432	200.000	200.0	0.00- 20.00	92.86
12.269	12.269	0.000	8288	200.000	200.0	0.00- 20.00	25.29
13.014	13.014	0.000	151993	200.000	200.0	0.00- 20.00	463.80
Average of Peak Amounts =					200		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.395	13.402	-0.007	68439	20.0000	28.62	80.00- 120.00	100.00

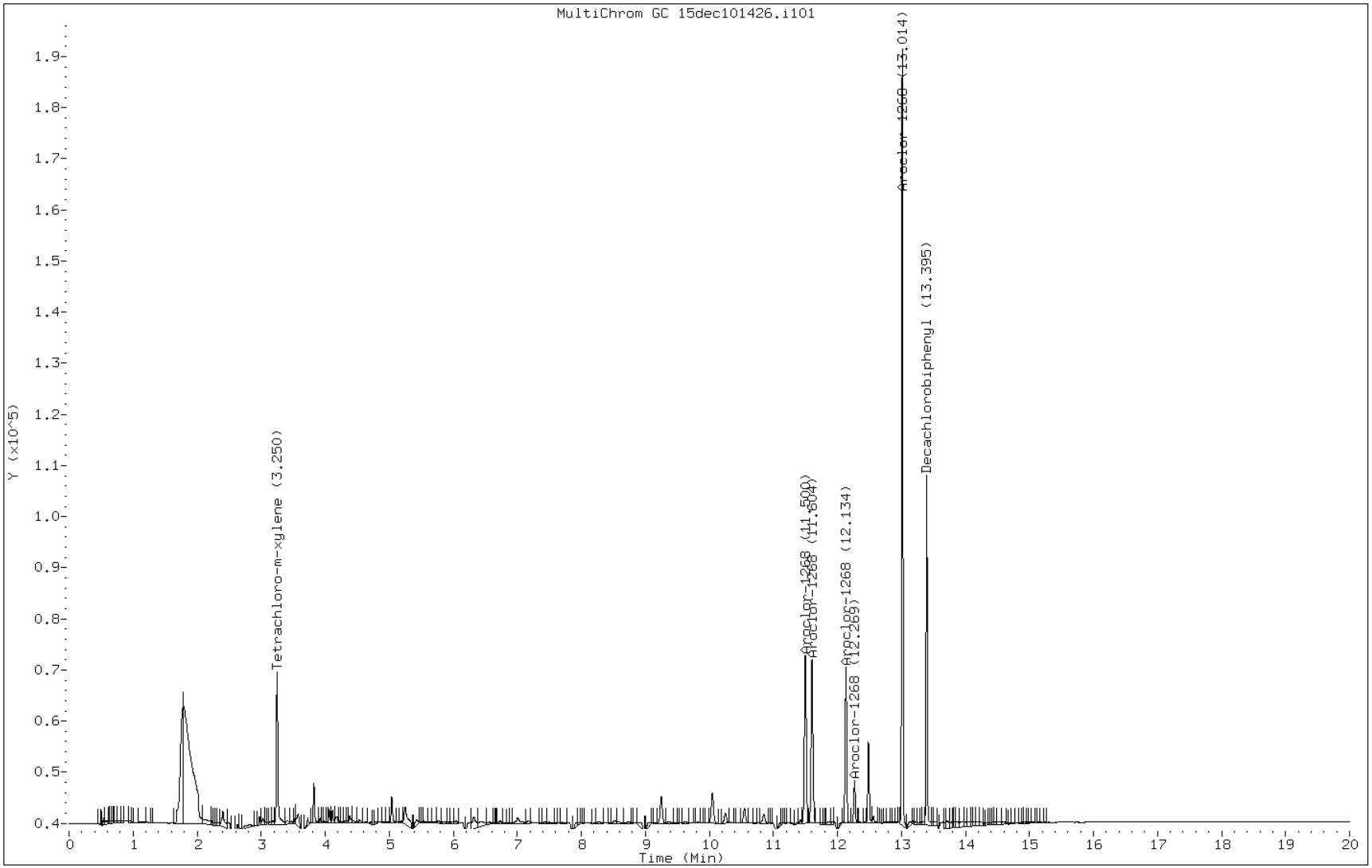
QC Flag Legend

M - Compound response manually integrated.

Data File:	15dec101426-r101.d	Date:	15-DEC-2010 18:16
Client ID:	AR1268_200	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30294,1,AR1268_200		
Lab Sample ID:	IC-30294		



Data File:	15dec101426-r101.d	Date:	15-DEC-2010 18:16
Client ID:	AR1268_200	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-30294,1,AR1268_200		

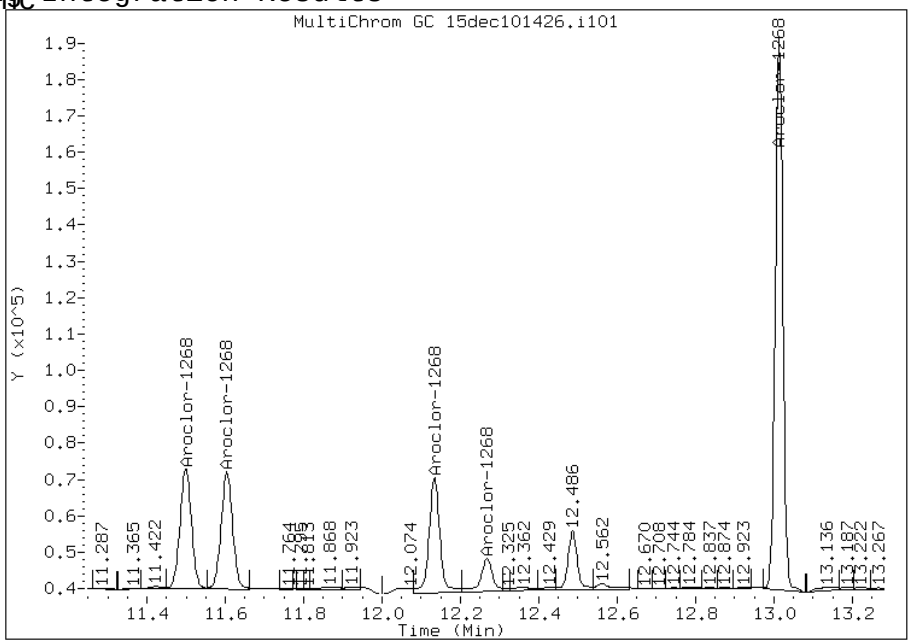


Manual Integration Report

Data File: 15dec101426-r101.d
Lab Sample ID: IC-30294
Inj. Date and Time: 15-DEC-2010 18:16
Instrument ID: 3283_1.i
Client ID: AR1268_200
Compound: 9 Aroclor-1268
CAS #: 11100-14-4
Report Date: 12/16/2010

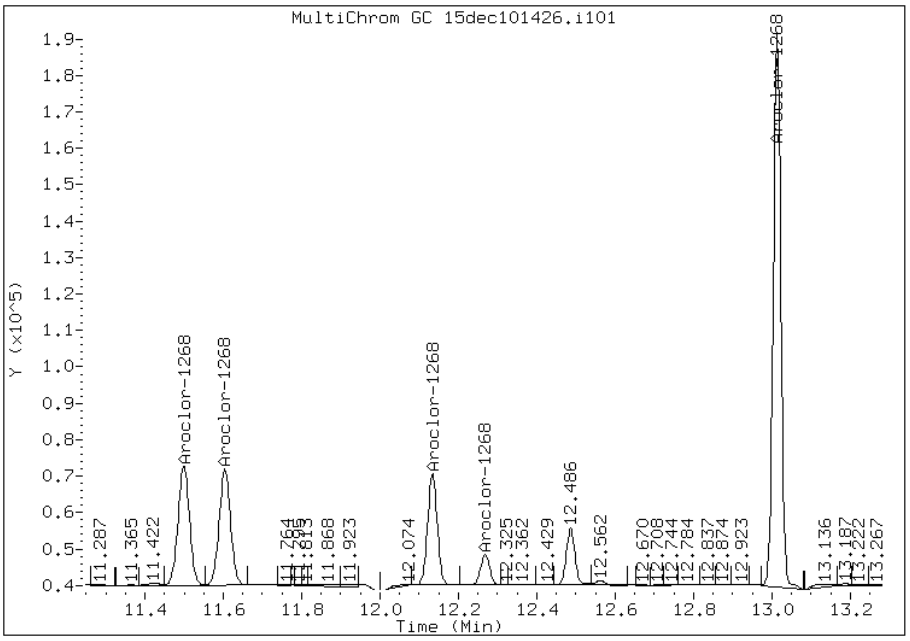
Processing Integration Results

RT	Response	Conc
11.50	32892*	200.00
11.60	32224*	200.00
12.13	31675*	200.00
12.27	9188*	200.00
13.01	151993	200.00
Final Conc		200.00



Manual Integration Results

RT	Response	Conc
11.50	32771*	200.00
11.60	32021*	200.00
12.13	30432*	200.00
12.27	8288*	200.00
13.01	151993	200.00
Final Conc		200.00



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 18:16 Calibration End Date: 12/15/2010 18:16 Calibration ID: 4074

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/10	15dec101426-r101.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1268 Peak 1	11.999										11.949 - 12.049	11.999
PCB-1268 Peak 2	12.081										12.031 - 12.131	12.081
PCB-1268 Peak 3	12.540										12.490 - 12.590	12.540
PCB-1268 Peak 4	12.695										12.645 - 12.745	12.695
PCB-1268 Peak 5	13.351										13.301 - 13.401	13.351

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 18:16 Calibration End Date: 12/15/2010 18:16 Calibration ID: 4074

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-11196/10	AR1268_200	15dec101426-r101.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1268 Peak 1	57.245				Ave		57						20.0			
PCB-1268 Peak 2	89.085				Ave		89						20.0			
PCB-1268 Peak 3	101.54				Ave		102						20.0			
PCB-1268 Peak 4	25.645				Ave		26						20.0			
PCB-1268 Peak 5	455.75				Ave		456						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 18:16 Calibration End Date: 12/15/2010 18:16 Calibration ID: 4074

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/10	15dec101426-r101.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1268 Peak 1	Ave	11449					200				
PCB-1268 Peak 2	Ave	17817					200				
PCB-1268 Peak 3	Ave	20308					200				
PCB-1268 Peak 4	Ave	5129					200				
PCB-1268 Peak 5	Ave	91149					200				

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/3283_2.i/121510_1/15DEC101426.b/15dec101426-r101.d
Lab Smp Id: IC-30294 Client Smp ID: AR1268_200
Inj Date : 15-DEC-2010 18:16
Operator : DPD Inst ID: 3283_2.i
Smp Info : IC-30294,1,AR1268_200
Misc Info :
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101426.b/8082_RTX35.m
Meth Date : 16-Dec-2010 07:25 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 19:29 Cal File: 15dec101426-r131.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

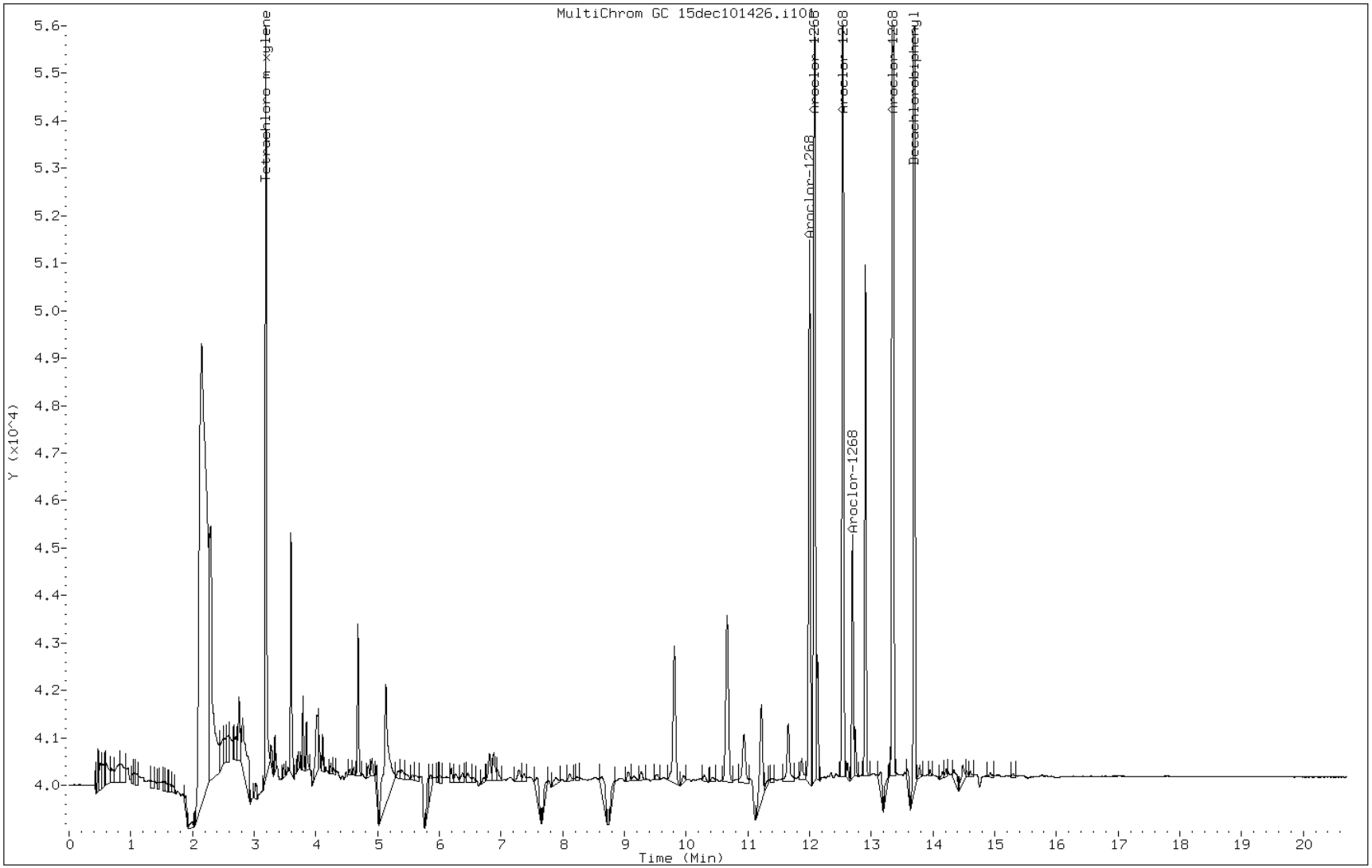
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

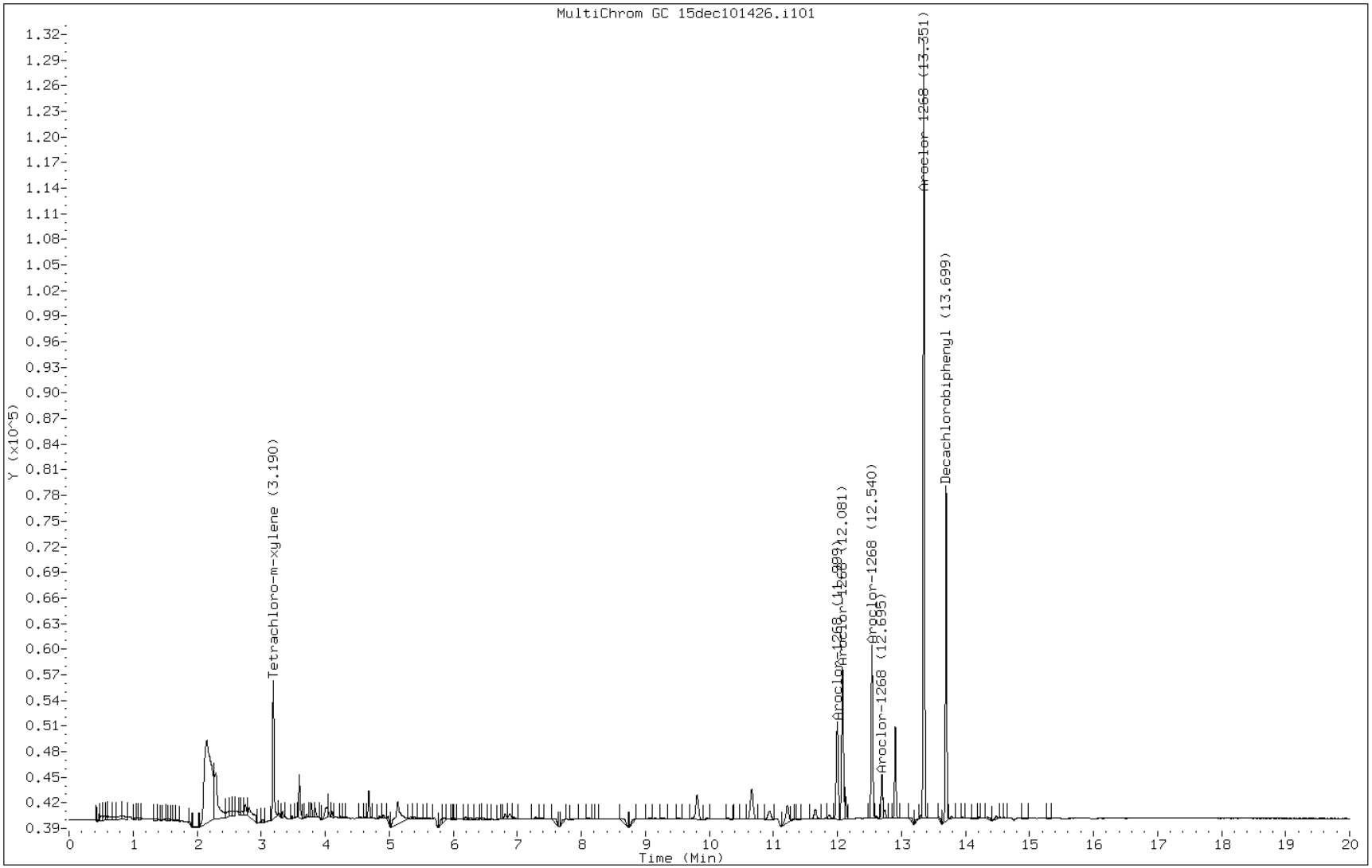
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.190	3.190	0.000	16137	20.0000	14.79	80.00- 120.00	100.00
9 Aroclor-1268					CAS #: 11100-14-4		
11.999	11.999	0.000	11449	200.000	200.0	0.00- 20.00	100.00
12.081	12.081	0.000	17817	200.000	200.0	0.00- 20.00	155.62
12.540	12.540	0.000	20308	200.000	200.0	0.00- 20.00	177.38
12.695	12.695	0.000	5129	200.000	200.0	0.00- 20.00	44.80
13.351	13.351	0.000	91149	200.000	200.0	0.00- 20.00	796.13
Average of Peak Amounts =				200			
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.699	13.699	0.000	39241	20.0000	26.49	80.00- 120.00	100.00

Data File:	15dec101426-r101.d	Date:	15-DEC-2010 18:16
Client ID:	AR1268_200	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30294,1,AR1268_200		
Lab Sample ID:	IC-30294		



Data File:	15dec101426-r101.d	Date:	15-DEC-2010 18:16
Client ID:	AR1268_200	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	IC-30294,1,AR1268_200		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 18:40 Calibration End Date: 12/15/2010 20:18 Calibration ID: 4067

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/11	15dec101426-r111.d
Level 2	IC 200-11196/12	15dec101426-r121.d
Level 3	ICRT 200-11196/13	15dec101426-r131.d
Level 4	IC 200-11196/14	15dec101426-r141.d
Level 5	IC 200-11196/15	15dec101426-r151.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1016 Peak 1	4.105	4.107	4.107	4.116	4.114						4.057 - 4.157	4.110
PCB-1016 Peak 2	4.311	4.314	4.314	4.320	4.320						4.264 - 4.364	4.316
PCB-1016 Peak 3	4.750	4.755	4.753	4.761	4.759						4.703 - 4.803	4.756
PCB-1016 Peak 4	5.371	5.375	5.375	5.382	5.380						5.325 - 5.425	5.377
PCB-1016 Peak 5	5.557	5.559	5.559	5.566	5.564						5.509 - 5.609	5.561
PCB-1260 Peak 1	9.255	9.257	9.257	9.263	9.261						9.207 - 9.307	9.259
PCB-1260 Peak 2	9.829	9.831	9.833	9.840	9.835						9.783 - 9.883	9.834
PCB-1260 Peak 3	10.558	10.560	10.558	10.565	10.562						10.508 - 10.608	10.561
PCB-1260 Peak 4	11.303	11.305	11.305	11.309	11.309						11.255 - 11.355	11.306
PCB-1260 Peak 5	11.615	11.618	11.618	11.624	11.622						11.568 - 11.668	11.619
Tetrachloro-m-xylene	3.252	3.256	3.254	3.263	3.261						3.204 - 3.304	3.257
DCB Decachlorobiphenyl	13.400	13.402	13.402	13.409	13.406						13.352 - 13.452	13.404

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 18:40 Calibration End Date: 12/15/2010 20:18 Calibration ID: 4067

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-11196/11	AR1660_50	15dec101426-r111.d
Level 2	IC 200-11196/12	AR1660_100	15dec101426-r121.d
Level 3	ICRT 200-11196/13	AR1660_200	15dec101426-r131.d
Level 4	IC 200-11196/14	AR1660_400	15dec101426-r141.d
Level 5	IC 200-11196/15	AR1660_800	15dec101426-r151.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	50.900 44.176	47.530	45.040	53.895	Ave		48				8.4		20.0			
PCB-1016 Peak 2	51.740 44.910	48.120	45.830	56.015	Ave		49				9.3		20.0			
PCB-1016 Peak 3	56.780 52.520	53.330	50.920	63.088	Ave		55				8.7		20.0			
PCB-1016 Peak 4	38.900 33.754	36.620	34.185	41.598	Ave		37				8.9		20.0			
PCB-1016 Peak 5	39.520 34.933	37.500	35.150	43.250	Ave		38				9.1		20.0			
PCB-1260 Peak 1	48.620 43.716	45.480	43.580	53.533	Ave		47				8.9		20.0			
PCB-1260 Peak 2	48.860 44.901	46.040	44.300	54.680	Ave		48				8.9		20.0			
PCB-1260 Peak 3	98.040 108.71	97.280	97.970	130.40	Ave		106				13.3		20.0			
PCB-1260 Peak 4	56.200 55.279	52.910	53.290	68.295	Ave		57				11.1		20.0			
PCB-1260 Peak 5	35.560 32.378	33.340	32.505	39.943	Ave		35				9.1		20.0			
Tetrachloro-m-xylene	1474.8 1795.7	1504.5	1577.1	2129.1	Ave		1696				16.1		20.0			
DCB Decachlorobiphenyl	1858.6 2178.9	1879.1	1924.7	2618.7	Ave		2092				15.4		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 18:40 Calibration End Date: 12/15/2010 20:18 Calibration ID: 4067

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/11	15dec101426-r111.d
Level 2	IC 200-11196/12	15dec101426-r121.d
Level 3	ICRT 200-11196/13	15dec101426-r131.d
Level 4	IC 200-11196/14	15dec101426-r141.d
Level 5	IC 200-11196/15	15dec101426-r151.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	2545	4753	9008	21558	35341	50.0	100	200	400	800
PCB-1016 Peak 2	Ave	2587	4812	9166	22406	35928	50.0	100	200	400	800
PCB-1016 Peak 3	Ave	2839	5333	10184	25235	42016	50.0	100	200	400	800
PCB-1016 Peak 4	Ave	1945	3662	6837	16639	27003	50.0	100	200	400	800
PCB-1016 Peak 5	Ave	1976	3750	7030	17300	27946	50.0	100	200	400	800
PCB-1260 Peak 1	Ave	2431	4548	8716	21413	34973	50.0	100	200	400	800
PCB-1260 Peak 2	Ave	2443	4604	8860	21872	35921	50.0	100	200	400	800
PCB-1260 Peak 3	Ave	4902	9728	19594	52161	86965	50.0	100	200	400	800
PCB-1260 Peak 4	Ave	2810	5291	10658	27318	44223	50.0	100	200	400	800
PCB-1260 Peak 5	Ave	1778	3334	6501	15977	25902	50.0	100	200	400	800
Tetrachloro-m-xylene	Ave	7374	15045	31542	85163	143653	5.00	10.0	20.0	40.0	80.0
DCB Decachlorobiphenyl	Ave	9293	18791	38494	104749	174313	5.00	10.0	20.0	40.0	80.0

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/3283_1.i/121510_1/15DEC101426.b/15dec101426-r111.d
Lab Smp Id: IC-30316 Client Smp ID: AR1660_50
Inj Date : 15-DEC-2010 18:40
Operator : DPD Inst ID: 3283_1.i
Smp Info : IC-30316,1,AR1660_50
Misc Info :
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101426.b/8082_RTX5.m
Meth Date : 16-Dec-2010 07:24 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 18:40 Cal File: 15dec101426-r111.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

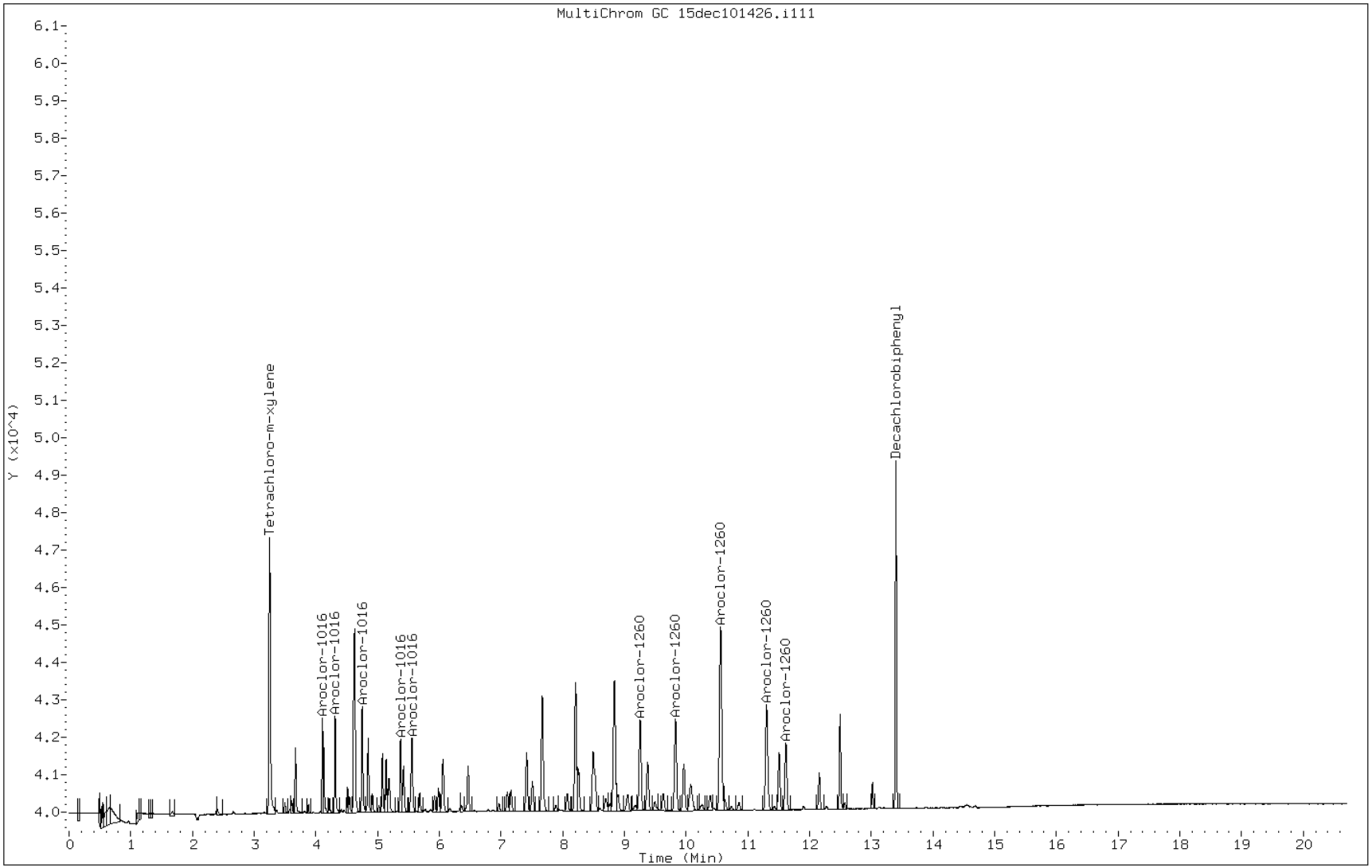
				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.252	3.254	-0.002	7374	5.00000	4.394	80.00- 120.00	100.00(a)
1 Aroclor-1016					CAS #: 12674-11-2		
4.105	4.107	-0.002	2545	50.0000	52.68	80.00- 120.00	100.00
4.311	4.314	-0.003	2587	50.0000	52.45	242.86- 282.86	101.65
4.750	4.753	-0.003	2839	50.0000	51.31	231.90- 271.90	111.55
5.371	5.375	-0.004	1945	50.0000	52.55	98.24- 138.24	76.42
5.557	5.559	-0.002	1976	50.0000	51.90	94.08- 134.08	77.64
Average of Peak Amounts =					52.18		
7 Aroclor-1260					CAS #: 11096-82-5		
9.255	9.257	-0.002	2431	50.0000	51.74	80.00- 120.00	100.00(a)
9.829	9.833	-0.004	2443	50.0000	51.16	92.64- 132.64	100.49
10.558	10.558	0.000	4902	50.0000	46.04	69.99- 109.99	201.65

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
11.303	11.305	-0.002	2810	50.0000	49.13	115.64- 155.64	115.59
11.615	11.618	-0.003	1778	50.0000	51.17	57.50- 97.50	73.14
		Average of Peak Amounts =			49.85		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.400	13.402	-0.002	9293	5.00000	3.886	80.00- 120.00	100.00(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	15dec101426-r111.d	Date:	15-DEC-2010 18:40
Client ID:	AR1660_50	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30316,1,AR1660_50		
Lab Sample ID:	IC-30316		



TestAmerica Burlington

Data file : /var/chem/3283_1.i/121510_1/15DEC101426.b/15dec101426-r121.d
Lab Smp Id: IC-30315 Client Smp ID: AR1660_100
Inj Date : 15-DEC-2010 19:05
Operator : DPD Inst ID: 3283_1.i
Smp Info : IC-30315,1,AR1660_100
Misc Info :
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101426.b/8082_RTX5.m
Meth Date : 16-Dec-2010 07:24 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 19:05 Cal File: 15dec101426-r121.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

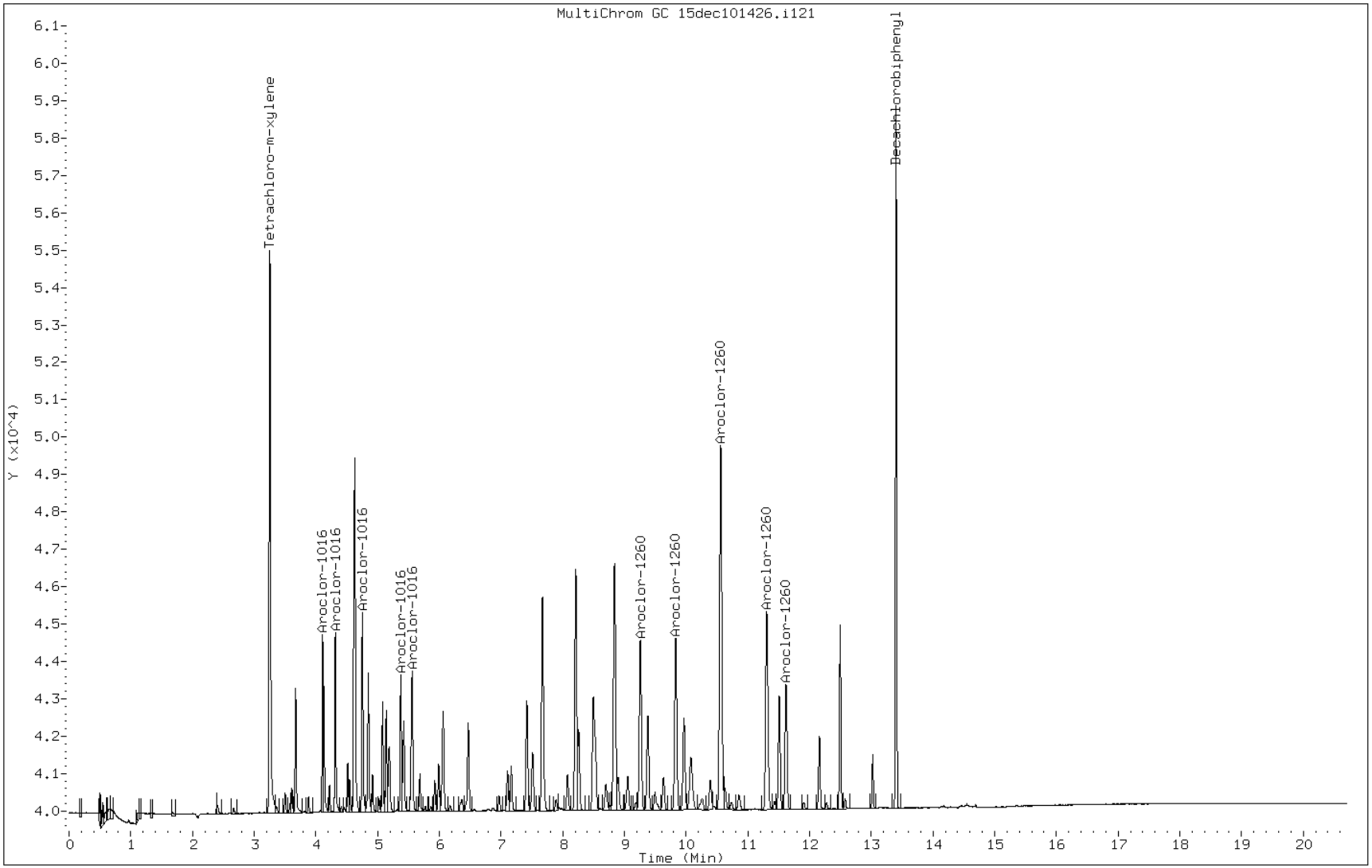
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.256	3.254	0.002	15045	10.0000	8.966	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
4.107	4.107	0.000	4753	100.000	98.39	80.00- 120.00	100.00
4.314	4.314	0.000	4812	100.000	97.56	242.86- 282.86	101.24
4.755	4.753	0.002	5333	100.000	96.39	231.90- 271.90	112.20
5.375	5.375	0.000	3662	100.000	98.94	98.24- 138.24	77.05
5.559	5.559	0.000	3750	100.000	98.50	94.08- 134.08	78.90
Average of Peak Amounts =					97.96		
7 Aroclor-1260					CAS #: 11096-82-5		
9.257	9.257	0.000	4548	100.000	96.80	80.00- 120.00	100.00
9.831	9.833	-0.002	4604	100.000	96.41	92.64- 132.64	101.23
10.560	10.558	0.002	9728	100.000	91.36	69.99- 109.99	213.90

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
11.305	11.305	0.000	5291	100.000	92.51	115.64- 155.64	116.34
11.618	11.618	0.000	3334	100.000	95.96	57.50- 97.50	73.31
Average of Peak Amounts =					94.61		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.402	13.402	0.000	18791	10.0000	7.858	80.00- 120.00	100.00

Data File:	15dec101426-r121.d	Date:	15-DEC-2010 19:05
Client ID:	AR1660_100	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30315,1,AR1660_100		
Lab Sample ID:	IC-30315		



TestAmerica Burlington

Data file : /var/chem/3283_1.i/121510_1/15DEC101426.b/15dec101426-r131.d
Lab Smp Id: ICRT-58588 Client Smp ID: AR1660_200
Inj Date : 15-DEC-2010 19:29
Operator : DPD Inst ID: 3283_1.i
Smp Info : ICRT-58588,1,AR1660_200
Misc Info :
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101426.b/8082_RTX5.m
Meth Date : 16-Dec-2010 07:24 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 19:29 Cal File: 15dec101426-r131.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

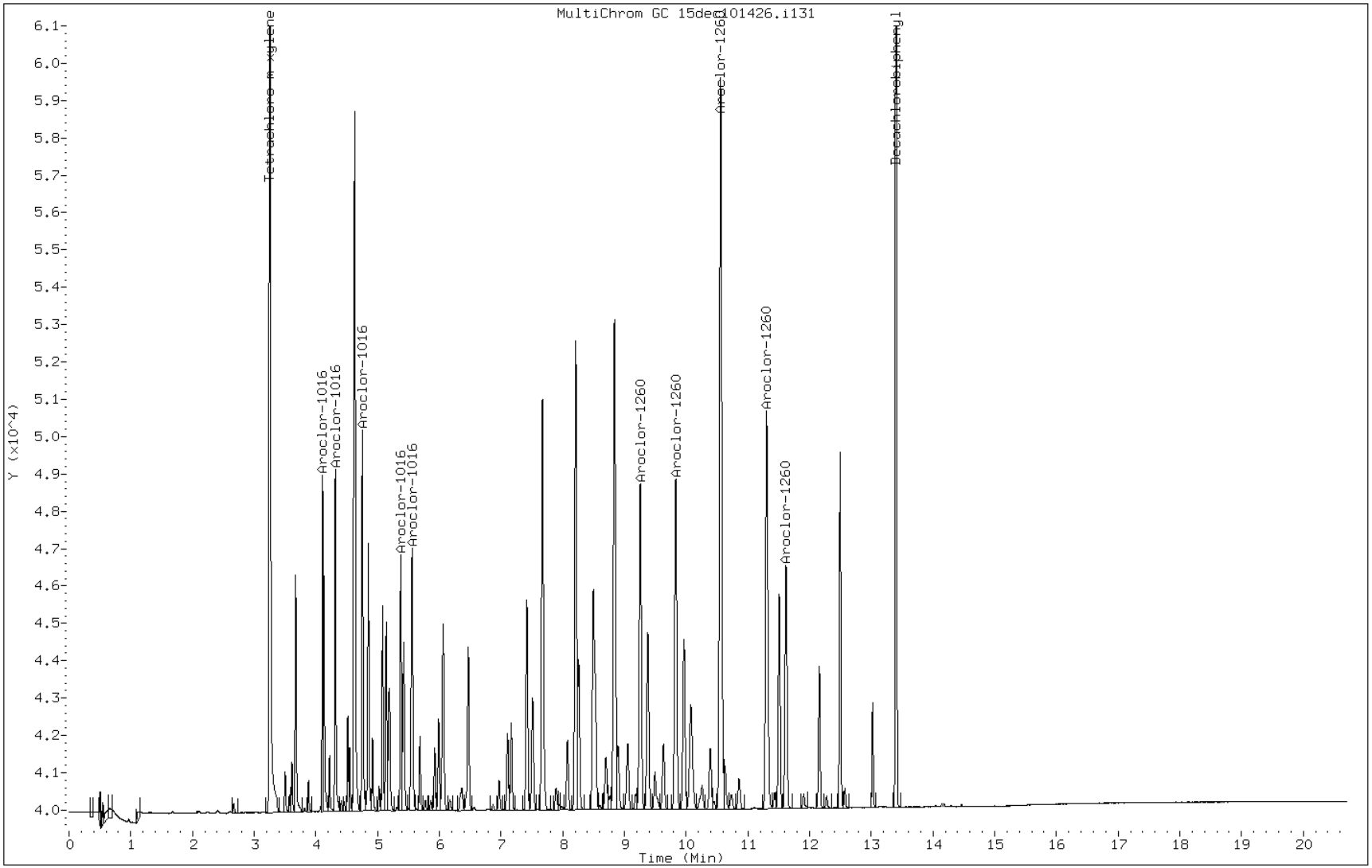
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.254	3.254	0.000	31542	20.0000	18.60	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
4.107	4.107	0.000	9008	200.000	186.5	80.00- 120.00	100.00
4.314	4.314	0.000	9166	200.000	185.8	242.86- 282.86	101.75
4.753	4.753	0.000	10184	200.000	184.1	231.90- 271.90	113.06
5.375	5.375	0.000	6837	200.000	184.7	98.24- 138.24	75.90
5.559	5.559	0.000	7030	200.000	184.7	94.08- 134.08	78.04
Average of Peak Amounts =					185.2		
7 Aroclor-1260					CAS #: 11096-82-5		
9.257	9.257	0.000	8716	200.000	185.5	80.00- 120.00	100.00
9.833	9.833	0.000	8860	200.000	185.5	92.64- 132.64	101.65
10.558	10.558	0.000	19594	200.000	184.0	69.99- 109.99	224.80

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
11.305	11.305	0.000	10658	200.000	186.3	115.64- 155.64	122.28
11.618	11.618	0.000	6501	200.000	187.1	57.50- 97.50	74.59
	Average of Peak Amounts =				185.7		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.402	13.402	0.000	38494	20.0000	18.40	80.00- 120.00	100.00

Data File:	15dec101426-r131.d	Date:	15-DEC-2010 19:29
Client ID:	AR1660_200	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	ICRT-58588,1,AR1660_200		
Lab Sample ID:	ICRT-58588		



TestAmerica Burlington

Data file : /var/chem/3283_1.i/121510_1/15DEC101426.b/15dec101426-r141.d
Lab Smp Id: IC-30313 Client Smp ID: AR1660_400
Inj Date : 15-DEC-2010 19:53
Operator : DPD Inst ID: 3283_1.i
Smp Info : IC-30313,1,AR1660_400
Misc Info :
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101426.b/8082_RTX5.m
Meth Date : 16-Dec-2010 07:24 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 19:53 Cal File: 15dec101426-r141.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

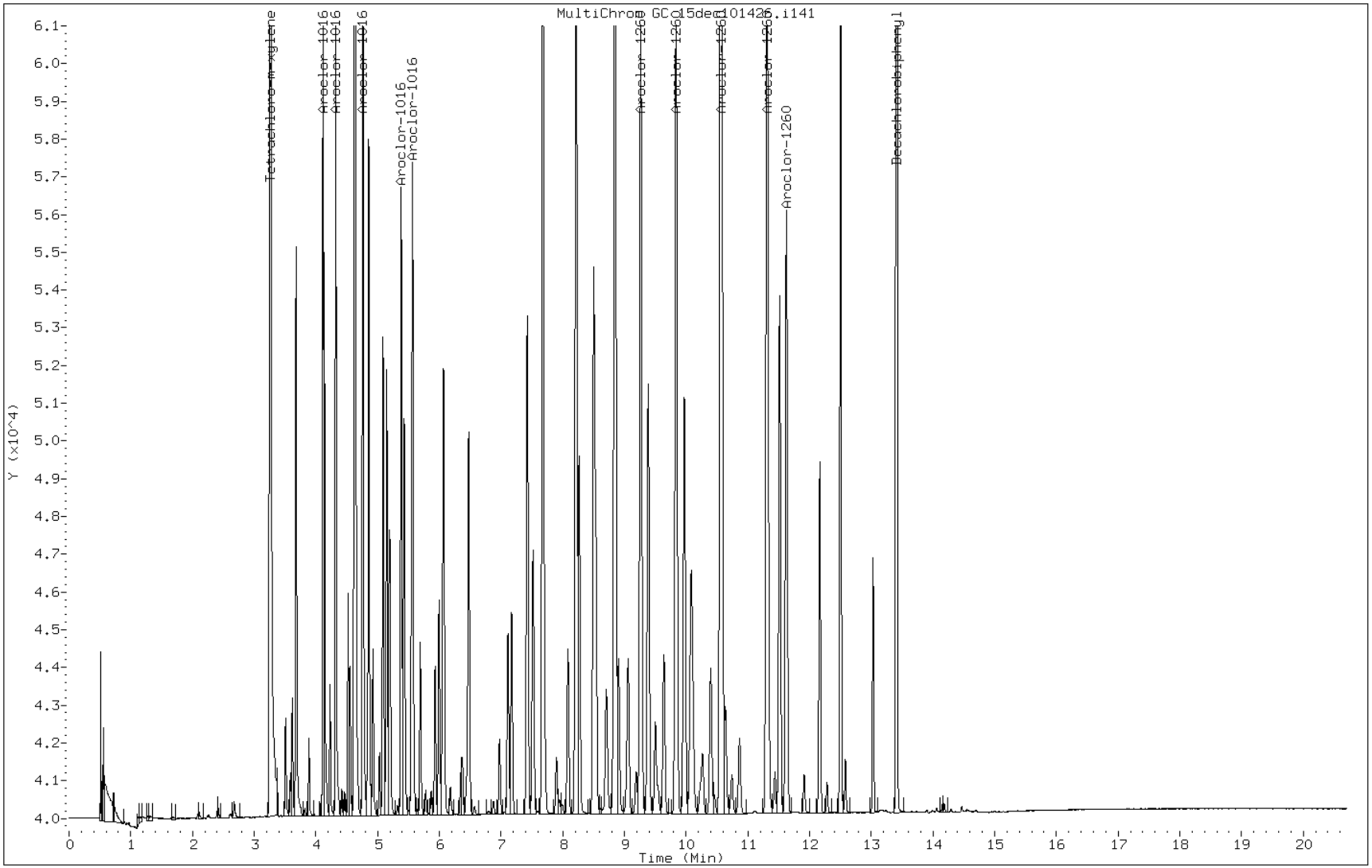
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

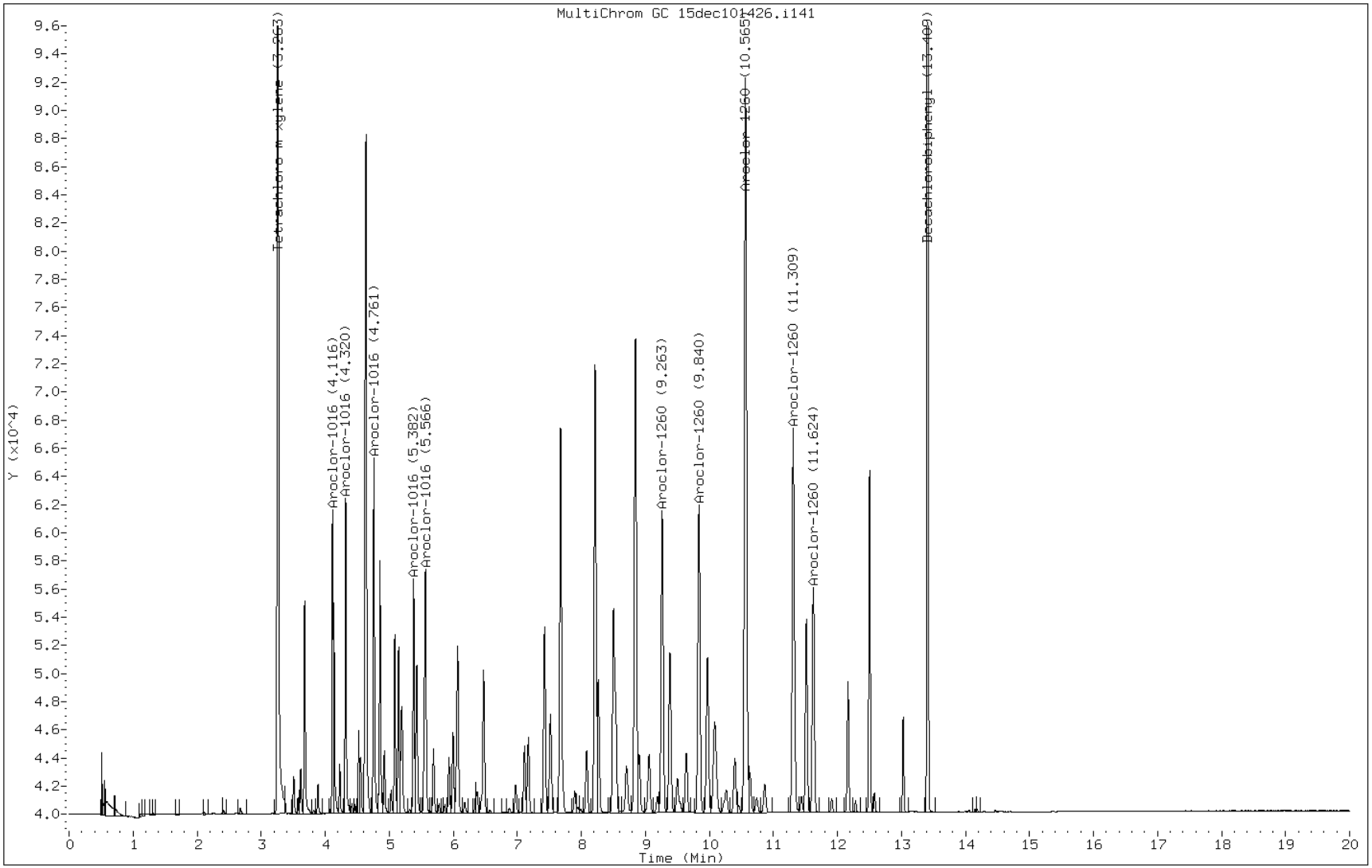
				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.263	3.254	0.009	85163	40.0000	50.21	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
4.116	4.107	0.009	21558	400.000	446.3	80.00- 120.00	100.00
4.320	4.314	0.006	22406	400.000	454.3	242.86- 282.86	103.93
4.761	4.753	0.008	25235	400.000	456.1	231.90- 271.90	117.06
5.382	5.375	0.007	16639	400.000	449.6	98.24- 138.24	77.18
5.566	5.559	0.007	17300	400.000	454.4	94.08- 134.08	80.25
Average of Peak Amounts =					452.1		
7 Aroclor-1260					CAS #: 11096-82-5		
9.263	9.257	0.006	21413	400.000	455.7	80.00- 120.00	100.00
9.840	9.833	0.007	21872	400.000	458.0	92.64- 132.64	102.14
10.565	10.558	0.007	52161	400.000	489.9	69.99- 109.99	243.60

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
11.309	11.305	0.004	27318	400.000	477.6	115.64- 155.64	127.58
11.624	11.618	0.006	15977	400.000	459.8	57.50- 97.50	74.61
		Average of Peak Amounts =			468.2		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.409	13.402	0.007	104749	40.0000	50.07	80.00- 120.00	100.00

Data File:	15dec101426-r141.d	Date:	15-DEC-2010 19:53
Client ID:	AR1660_400	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30313,1,AR1660_400		
Lab Sample ID:	IC-30313		



Data File:	15dec101426-r141.d	Date:	15-DEC-2010 19:53
Client ID:	AR1660_400	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-30313,1,AR1660_400		



TestAmerica Burlington

Data file : /var/chem/3283_1.i/121510_1/15DEC101426.b/15dec101426-r151.d
Lab Smp Id: IC-30312 Client Smp ID: AR1660_800
Inj Date : 15-DEC-2010 20:18
Operator : DPD Inst ID: 3283_1.i
Smp Info : IC-30312,1,AR1660_800
Misc Info :
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101426.b/8082_RTX5.m
Meth Date : 16-Dec-2010 07:24 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

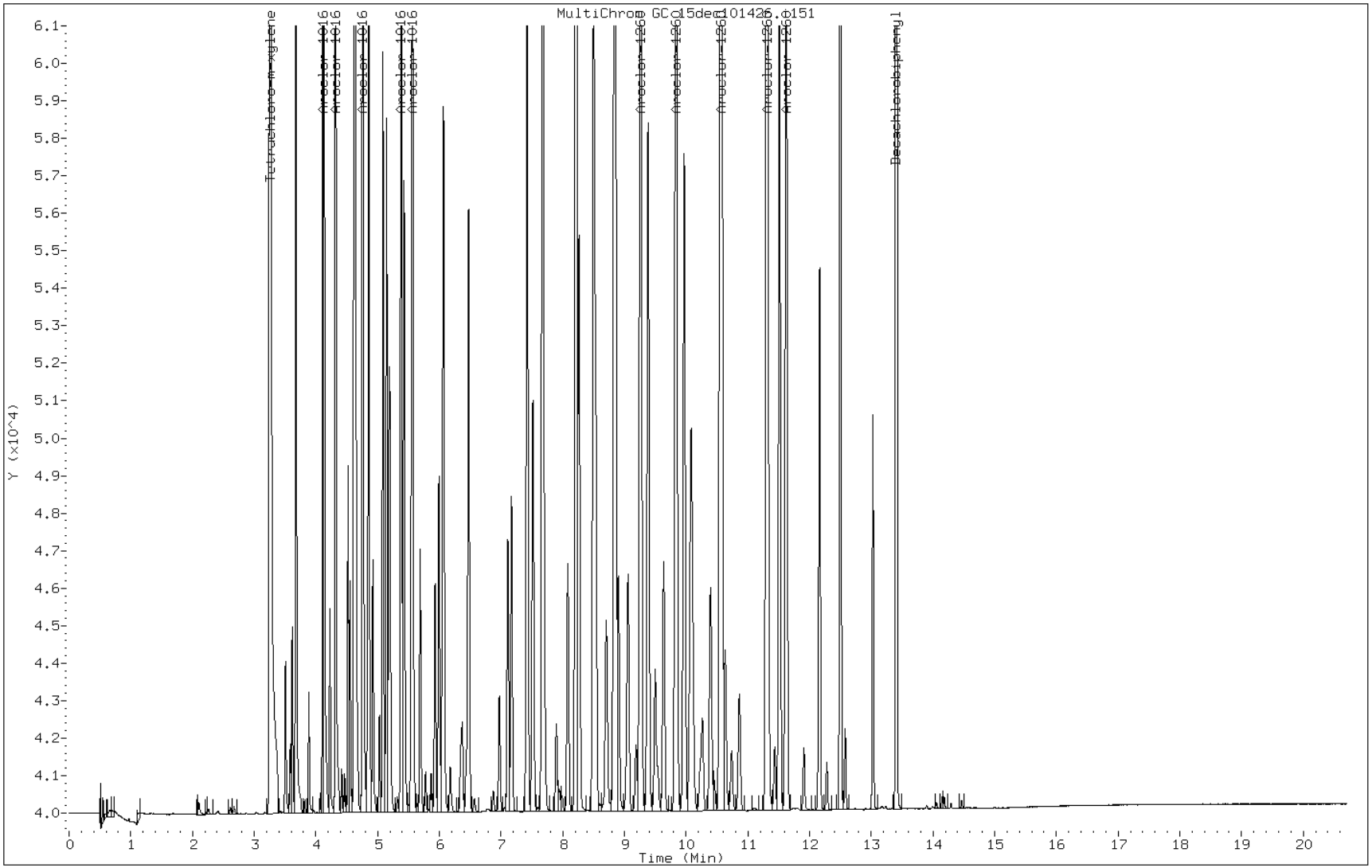
				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.261	3.254	0.007	143653	80.0000	84.69	80.00- 120.00	100.00(A)
1 Aroclor-1016					CAS #: 12674-11-2		
4.114	4.107	0.007	35341	800.000	731.6	80.00- 120.00	100.00
4.320	4.314	0.006	35928	800.000	728.4	242.86- 282.86	101.66
4.759	4.753	0.006	42016	800.000	759.4	231.90- 271.90	118.89
5.380	5.375	0.005	27003	800.000	729.6	98.24- 138.24	76.41
5.564	5.559	0.005	27946	800.000	734.1	94.08- 134.08	79.08
Average of Peak Amounts =					736.6		
7 Aroclor-1260					CAS #: 11096-82-5		
9.261	9.257	0.004	34973	800.000	744.3	80.00- 120.00	100.00
9.835	9.833	0.002	35921	800.000	752.2	92.64- 132.64	102.71
10.562	10.558	0.004	86965	800.000	816.7	69.99- 109.99	248.66

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
11.309	11.305	0.004	44223	800.000	773.2	115.64- 155.64	126.45
11.622	11.618	0.004	25902	800.000	745.5	57.50- 97.50	74.06
		Average of Peak Amounts =			766.4		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.406	13.402	0.004	174313	80.0000	83.32	80.00- 120.00	100.00(A)

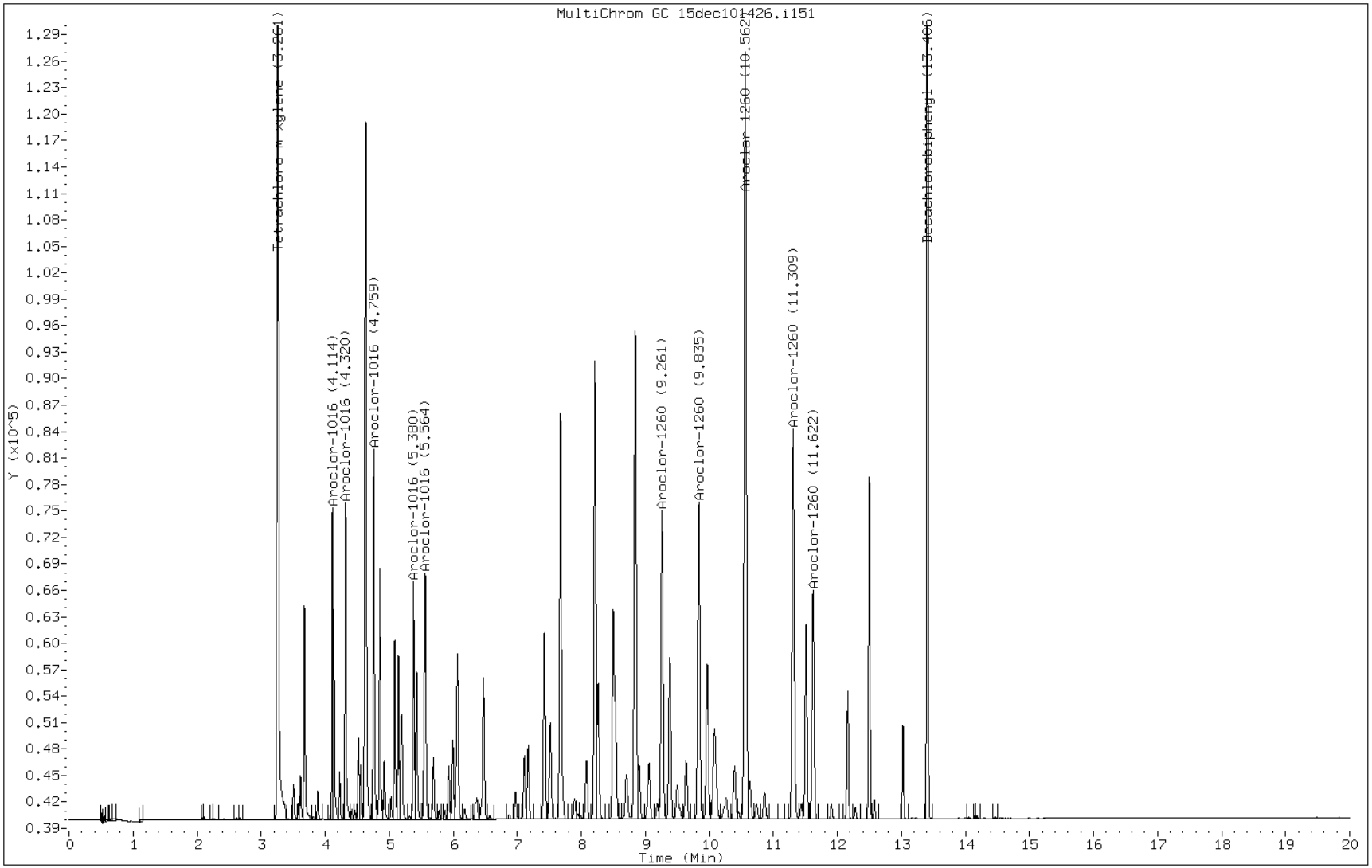
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File:	15dec101426-r151.d	Date:	15-DEC-2010 20:18
Client ID:	AR1660_800	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30312,1,AR1660_800		
Lab Sample ID:	IC-30312		



Data File:	15dec101426-r151.d	Date:	15-DEC-2010 20:18
Client ID:	AR1660_800	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-30312,1,AR1660_800		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 18:40 Calibration End Date: 12/15/2010 20:18 Calibration ID: 4075

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/11	15dec101426-r111.d
Level 2	IC 200-11196/12	15dec101426-r121.d
Level 3	ICRT 200-11196/13	15dec101426-r131.d
Level 4	IC 200-11196/14	15dec101426-r141.d
Level 5	IC 200-11196/15	15dec101426-r151.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1016 Peak 1	3.866	3.861	3.861	3.868	3.868						3.811 - 3.911	3.865
PCB-1016 Peak 2	4.340	4.334	4.336	4.342	4.342						4.286 - 4.386	4.339
PCB-1016 Peak 3	4.852	4.848	4.848	4.855	4.855						4.798 - 4.898	4.851
PCB-1016 Peak 4	5.052	5.047	5.047	5.054	5.054						4.997 - 5.097	5.051
PCB-1016 Peak 5	5.225	5.220	5.220	5.227	5.227						5.170 - 5.270	5.224
PCB-1260 Peak 1	9.820	9.815	9.815	9.822	9.822						9.765 - 9.865	9.819
PCB-1260 Peak 2	11.234	11.227	11.227	11.232	11.232						11.177 - 11.277	11.231
PCB-1260 Peak 3	12.005	12.003	12.001	12.008	12.008						11.951 - 12.051	12.005
PCB-1260 Peak 4	12.752	12.748	12.748	12.755	12.752						12.698 - 12.798	12.751
PCB-1260 Peak 5	12.914	12.910	12.908	12.914	12.914						12.858 - 12.958	12.912
Tetrachloro-m-xylene	3.192	3.188	3.190	3.196	3.196						3.140 - 3.240	3.192
DCB Decachlorobiphenyl	13.706	13.701	13.699	13.706	13.706						13.649 - 13.749	13.703

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 18:40 Calibration End Date: 12/15/2010 20:18 Calibration ID: 4075

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-11196/11	AR1660_50	15dec101426-r111.d
Level 2	IC 200-11196/12	AR1660_100	15dec101426-r121.d
Level 3	ICRT 200-11196/13	AR1660_200	15dec101426-r131.d
Level 4	IC 200-11196/14	AR1660_400	15dec101426-r141.d
Level 5	IC 200-11196/15	AR1660_800	15dec101426-r151.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	25.740 20.979	23.510	23.065	26.860	Ave		24				9.6		20.0			
PCB-1016 Peak 2	46.300 40.213	44.240	41.690	49.090	Ave		44				8.0		20.0			
PCB-1016 Peak 3	74.380 73.626	70.660	70.690	88.900	Ave		76				10.0		20.0			
PCB-1016 Peak 4	29.700 25.808	28.030	26.320	31.600	Ave		28				8.5		20.0			
PCB-1016 Peak 5	23.400 20.491	21.460	21.425	25.635	Ave		22				9.1		20.0			
PCB-1260 Peak 1	27.600 23.929	26.010	25.475	30.160	Ave		27				8.9		20.0			
PCB-1260 Peak 2	69.100 69.773	67.640	66.385	85.353	Ave		72				10.8		20.0			
PCB-1260 Peak 3	25.520 22.865	24.330	23.860	28.920	Ave		25				9.3		20.0			
PCB-1260 Peak 4	15.200 12.609	13.610	13.230	16.018	Ave		14				10.1		20.0			
PCB-1260 Peak 5	33.580 32.694	32.850	32.695	39.890	Ave		34				9.1		20.0			
Tetrachloro-m-xylene	1051.4 1168.1	1033.1	1069.2	1397.7	Ave		1144				13.2		20.0			
DCB Decachlorobiphenyl	1209.2 1357.5	1227.6	1282.4	1651.3	Ave		1346				13.4		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 11196

SDG No.:

Instrument ID: 3283.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2010 18:40 Calibration End Date: 12/15/2010 20:18 Calibration ID: 4075

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-11196/11	15dec101426-r111.d
Level 2	IC 200-11196/12	15dec101426-r121.d
Level 3	ICRT 200-11196/13	15dec101426-r131.d
Level 4	IC 200-11196/14	15dec101426-r141.d
Level 5	IC 200-11196/15	15dec101426-r151.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	1287	2351	4613	10744	16783	50.0	100	200	400	800
PCB-1016 Peak 2	Ave	2315	4424	8338	19636	32170	50.0	100	200	400	800
PCB-1016 Peak 3	Ave	3719	7066	14138	35560	58901	50.0	100	200	400	800
PCB-1016 Peak 4	Ave	1485	2803	5264	12640	20646	50.0	100	200	400	800
PCB-1016 Peak 5	Ave	1170	2146	4285	10254	16393	50.0	100	200	400	800
PCB-1260 Peak 1	Ave	1380	2601	5095	12064	19143	50.0	100	200	400	800
PCB-1260 Peak 2	Ave	3455	6764	13277	34141	55818	50.0	100	200	400	800
PCB-1260 Peak 3	Ave	1276	2433	4772	11568	18292	50.0	100	200	400	800
PCB-1260 Peak 4	Ave	760	1361	2646	6407	10087	50.0	100	200	400	800
PCB-1260 Peak 5	Ave	1679	3285	6539	15956	26155	50.0	100	200	400	800
Tetrachloro-m-xylene	Ave	5257	10331	21384	55906	93449	5.00	10.0	20.0	40.0	80.0
DCB Decachlorobiphenyl	Ave	6046	12276	25647	66051	108596	5.00	10.0	20.0	40.0	80.0

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/3283_2.i/121510_1/15DEC101426.b/15dec101426-r111.d
Lab Smp Id: IC-30316 Client Smp ID: AR1660_50
Inj Date : 15-DEC-2010 18:40
Operator : DPD Inst ID: 3283_2.i
Smp Info : IC-30316,1,AR1660_50
Misc Info :
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101426.b/8082_RTX35.m
Meth Date : 16-Dec-2010 07:25 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 18:40 Cal File: 15dec101426-r111.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

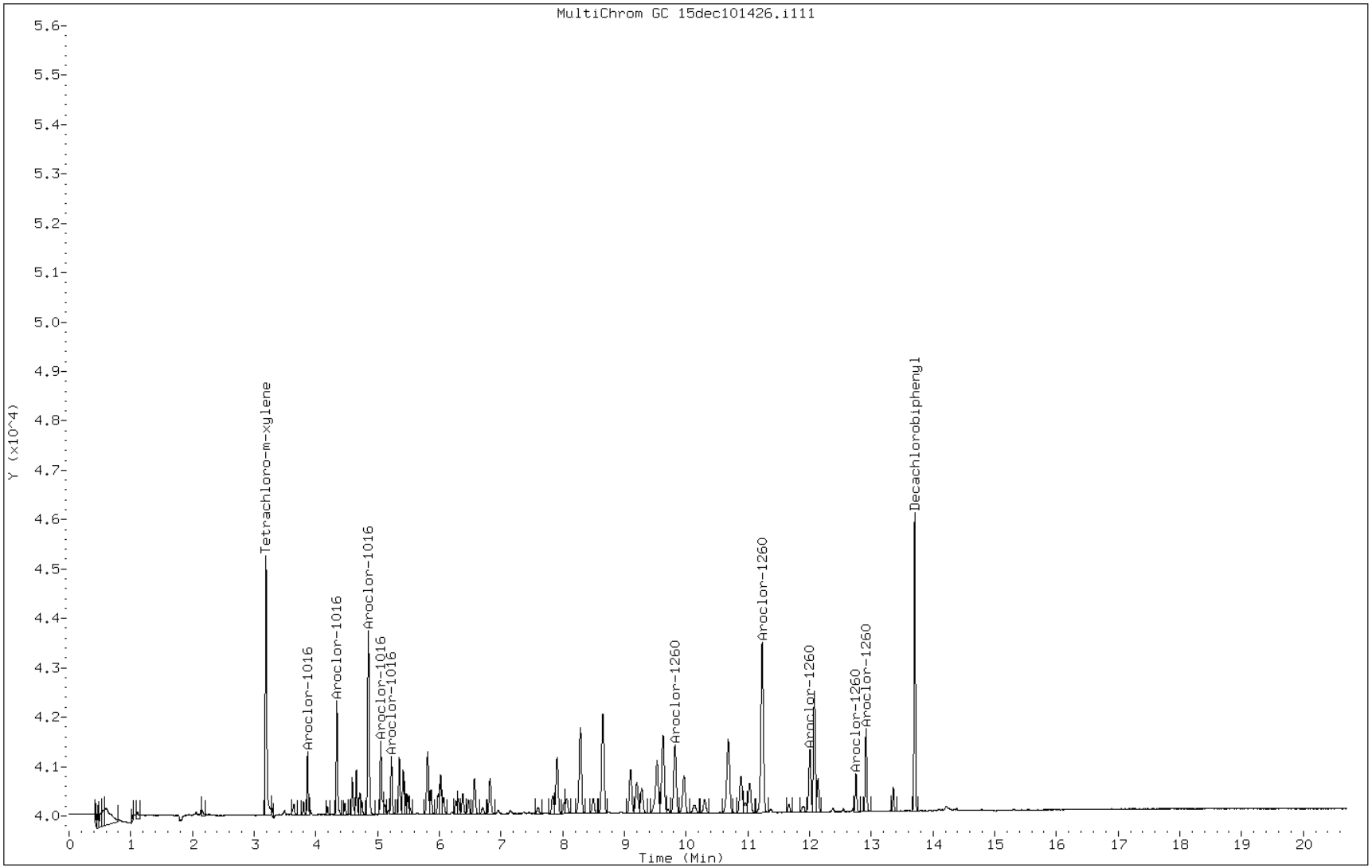
				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)		
RT	EXP RT	DLT RT	RESPONSE			TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.192	3.190	0.002	5257	5.00000	4.817	80.00- 120.00	100.00(a)
1 Aroclor-1016					CAS #: 12674-11-2		
3.866	3.861	0.005	1287	50.0000	53.56	80.00- 120.00	100.00
4.340	4.336	0.004	2315	50.0000	52.25	242.86- 282.86	179.88
4.852	4.848	0.004	3719	50.0000	49.16	231.90- 271.90	288.97
5.052	5.047	0.005	1485	50.0000	52.49	98.24- 138.24	115.38
5.225	5.220	0.005	1170	50.0000	52.04	94.08- 134.08	90.91
Average of Peak Amounts =					51.9		
7 Aroclor-1260					CAS #: 11096-82-5		
9.820	9.815	0.005	1380	50.0000	51.81	80.00- 120.00	100.00
11.234	11.227	0.007	3455	50.0000	48.22	92.64- 132.64	250.36
12.005	12.001	0.004	1276	50.0000	50.84	69.99- 109.99	92.46

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
12.752	12.748	0.004	760	50.0000	53.77	115.64- 155.64	55.07
12.914	12.908	0.006	1679	50.0000	48.89	57.50- 97.50	121.67
		Average of Peak Amounts =			50.71		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.706	13.699	0.007	6046	5.00000	4.081	80.00- 120.00	100.00(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	15dec101426-r111.d	Date:	15-DEC-2010 18:40
Client ID:	AR1660_50	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30316,1,AR1660_50		
Lab Sample ID:	IC-30316		



TestAmerica Burlington

Data file : /var/chem/3283_2.i/121510_1/15DEC101426.b/15dec101426-r121.d
Lab Smp Id: IC-30315 Client Smp ID: AR1660_100
Inj Date : 15-DEC-2010 19:05
Operator : DPD Inst ID: 3283_2.i
Smp Info : IC-30315,1,AR1660_100
Misc Info :
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101426.b/8082_RTX35.m
Meth Date : 16-Dec-2010 07:25 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 19:05 Cal File: 15dec101426-r121.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

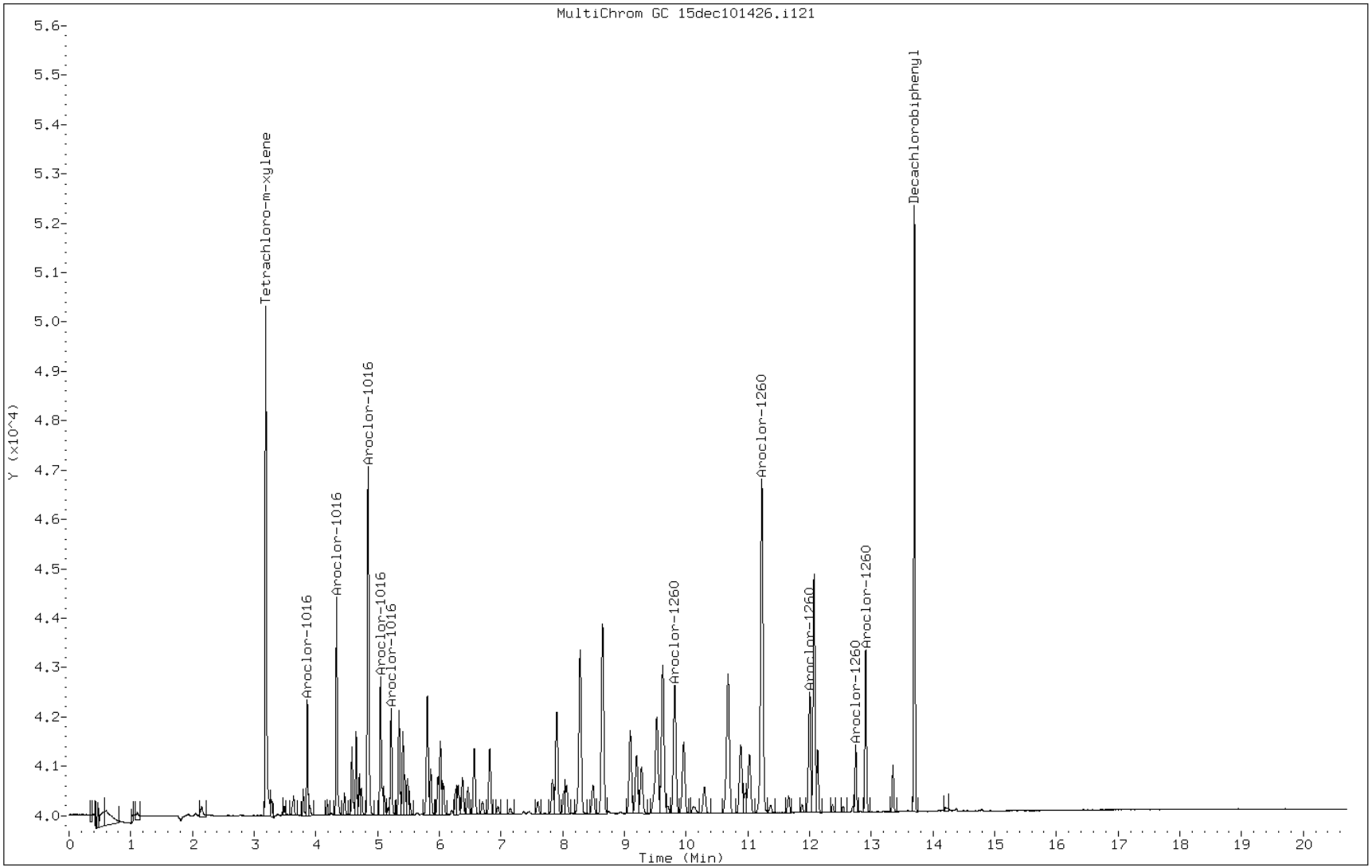
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.188	3.190	-0.002	10331	10.0000	9.466	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
3.861	3.861	0.000	2351	100.000	97.83	80.00- 120.00	100.00
4.334	4.336	-0.002	4424	100.000	99.85	242.86- 282.86	188.18
4.848	4.848	0.000	7066	100.000	93.40	231.90- 271.90	300.55
5.047	5.047	0.000	2803	100.000	99.08	98.24- 138.24	119.23
5.220	5.220	0.000	2146	100.000	95.45	94.08- 134.08	91.28
Average of Peak Amounts =					97.12		
7 Aroclor-1260					CAS #: 11096-82-5		
9.815	9.815	0.000	2601	100.000	97.65	80.00- 120.00	100.00
11.227	11.227	0.000	6764	100.000	94.40	92.64- 132.64	260.05
12.003	12.001	0.002	2433	100.000	96.94	69.99- 109.99	93.54

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
12.748	12.748	0.000	1361	100.000	96.30	115.64- 155.64	52.33
12.910	12.908	0.002	3285	100.000	95.66	57.50- 97.50	126.30
		Average of Peak Amounts =			96.19		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.701	13.699	0.002	12276	10.0000	8.286	80.00- 120.00	100.00

Data File:	15dec101426-r121.d	Date:	15-DEC-2010 19:05
Client ID:	AR1660_100	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30315,1,AR1660_100		
Lab Sample ID:	IC-30315		



TestAmerica Burlington

Data file : /var/chem/3283_2.i/121510_1/15DEC101426.b/15dec101426-r131.d
Lab Smp Id: ICRT-58588 Client Smp ID: AR1660_200
Inj Date : 15-DEC-2010 19:29
Operator : DPD Inst ID: 3283_2.i
Smp Info : ICRT-58588,1,AR1660_200
Misc Info :
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101426.b/8082_RTX35.m
Meth Date : 16-Dec-2010 07:25 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 19:29 Cal File: 15dec101426-r131.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

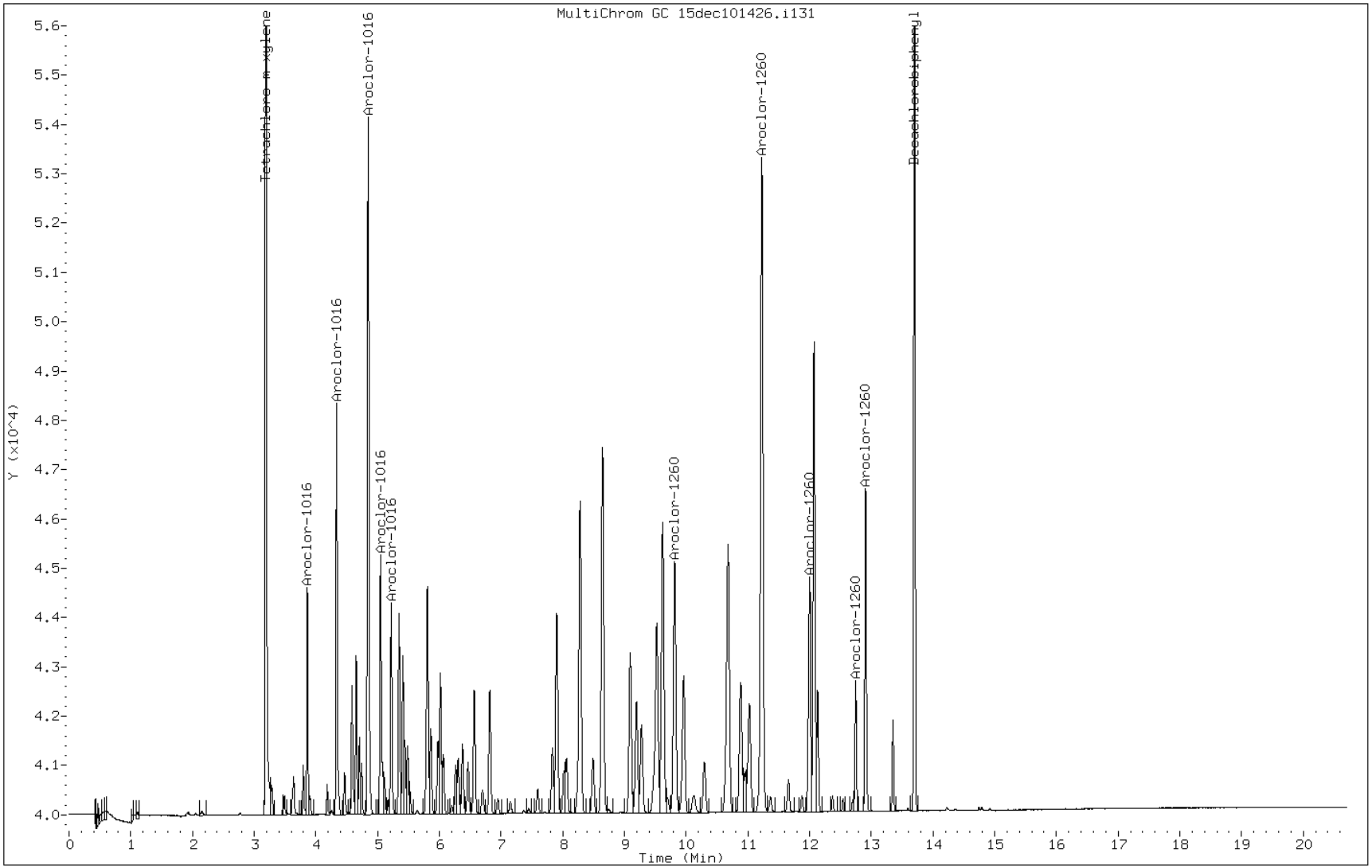
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.190	3.190	0.000	21384	20.0000	18.69	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
3.861	3.861	0.000	4613	200.000	192.0	80.00- 120.00	100.00
4.336	4.336	0.000	8338	200.000	188.2	242.86- 282.86	180.75
4.848	4.848	0.000	14138	200.000	186.9	231.90- 271.90	306.48
5.047	5.047	0.000	5264	200.000	186.1	98.24- 138.24	114.11
5.220	5.220	0.000	4285	200.000	190.6	94.08- 134.08	92.89
Average of Peak Amounts =					188.7		
7 Aroclor-1260					CAS #: 11096-82-5		
9.815	9.815	0.000	5095	200.000	191.3	80.00- 120.00	100.00
11.227	11.227	0.000	13277	200.000	185.3	92.64- 132.64	260.59
12.001	12.001	0.000	4772	200.000	190.1	69.99- 109.99	93.66

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
12.748	12.748	0.000	2646	200.000	187.2	115.64- 155.64	51.93
12.908	12.908	0.000	6539	200.000	190.4	57.50- 97.50	128.34
	Average of Peak Amounts =				188.9		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.699	13.699	0.000	25647	20.0000	19.06	80.00- 120.00	100.00

Data File:	15dec101426-r131.d	Date:	15-DEC-2010 19:29
Client ID:	AR1660_200	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	ICRT-58588,1,AR1660_200		
Lab Sample ID:	ICRT-58588		



TestAmerica Burlington

Data file : /var/chem/3283_2.i/121510_1/15DEC101426.b/15dec101426-r141.d
Lab Smp Id: IC-30313 Client Smp ID: AR1660_400
Inj Date : 15-DEC-2010 19:53
Operator : DPD Inst ID: 3283_2.i
Smp Info : IC-30313,1,AR1660_400
Misc Info :
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101426.b/8082_RTX35.m
Meth Date : 16-Dec-2010 07:25 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 19:53 Cal File: 15dec101426-r141.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

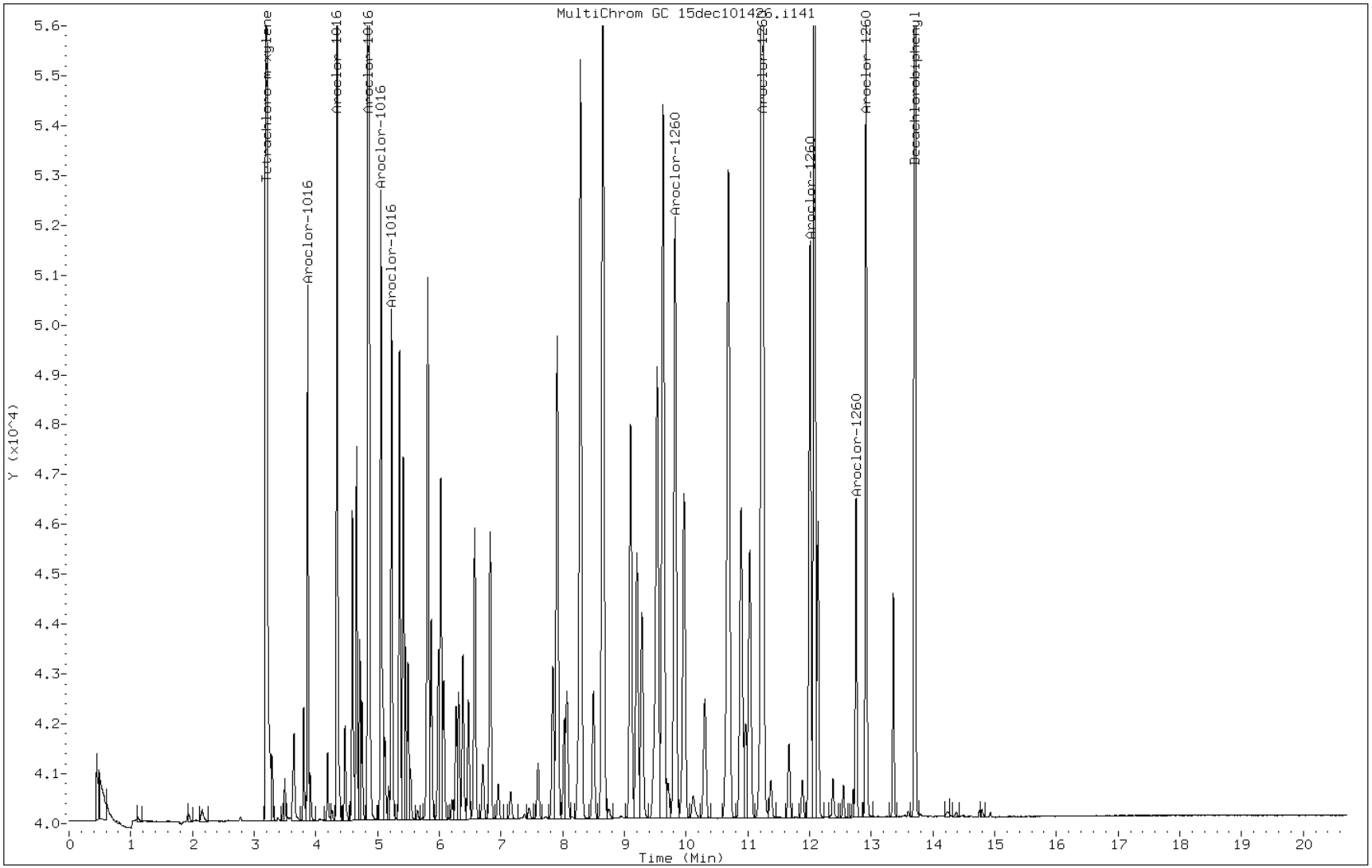
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.196	3.190	0.006	55906	40.0000	48.87	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
3.868	3.861	0.007	10744	400.000	447.1	80.00- 120.00	100.00(M)
4.342	4.336	0.006	19636	400.000	443.2	242.86- 282.86	182.76
4.854	4.848	0.006	35560	400.000	470.1	231.90- 271.90	330.98
5.054	5.047	0.007	12640	400.000	446.8	98.24- 138.24	117.65
5.227	5.220	0.007	10254	400.000	456.1	94.08- 134.08	95.44
Average of Peak Amounts =					452.6		
7 Aroclor-1260					CAS #: 11096-82-5		
9.822	9.815	0.007	12064	400.000	452.9	80.00- 120.00	100.00(M)
11.232	11.227	0.005	34141	400.000	476.5	92.64- 132.64	283.00
12.008	12.001	0.007	11568	400.000	460.9	69.99- 109.99	95.89

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
12.755	12.748	0.007	6407	400.000	453.3	115.64- 155.64	53.11
12.914	12.908	0.006	15956	400.000	464.6	57.50- 97.50	132.26
		Average of Peak Amounts =			461.7		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.706	13.699	0.007	66051	40.0000	49.09	80.00- 120.00	100.00

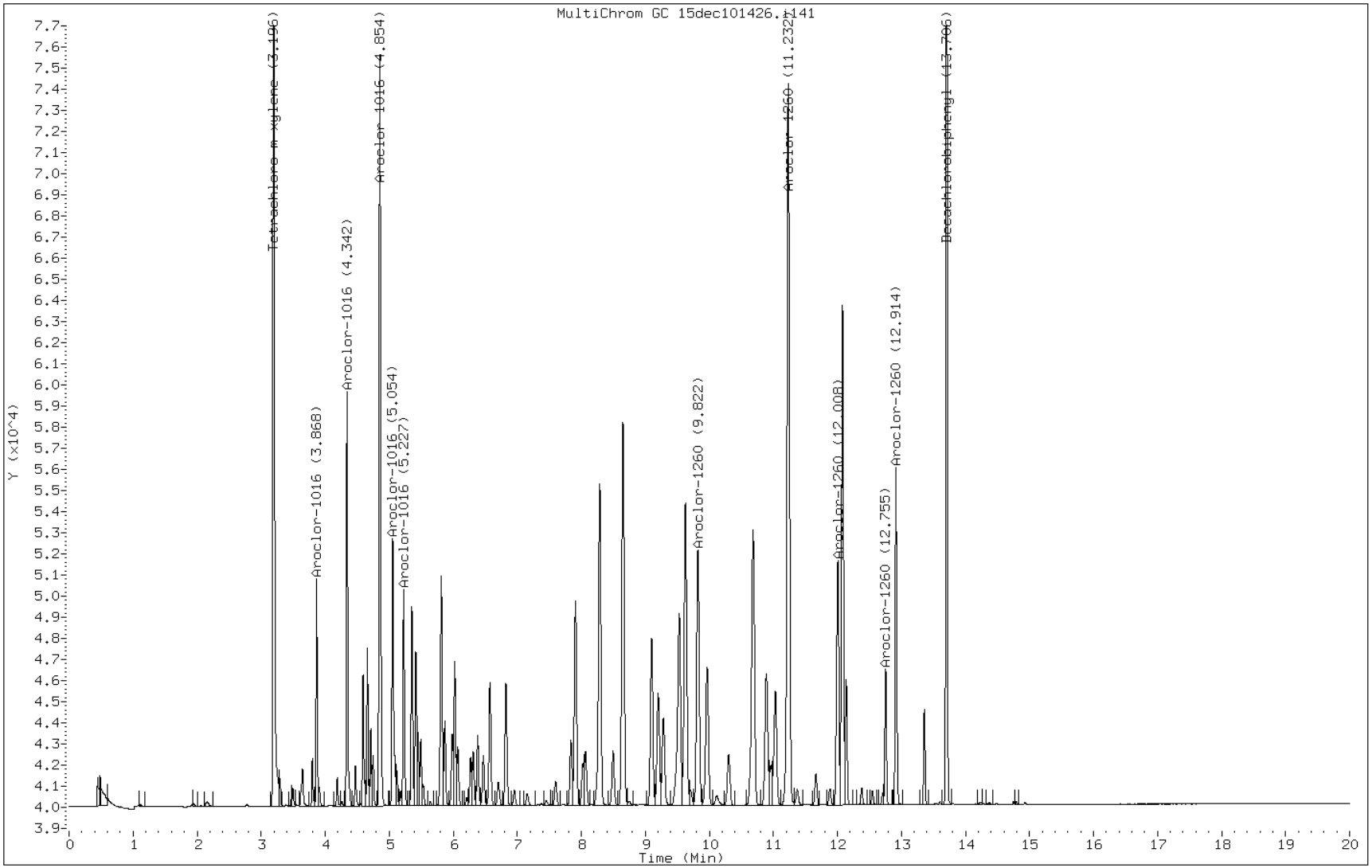
QC Flag Legend

M - Compound response manually integrated.

Data File:	15dec101426-r141.d	Date:	15-DEC-2010 19:53
Client ID:	AR1660_400	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30313,1,AR1660_400		
Lab Sample ID:	IC-30313		



Data File:	15dec101426-r141.d	Date:	15-DEC-2010 19:53
Client ID:	AR1660_400	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	IC-30313,1,AR1660_400		



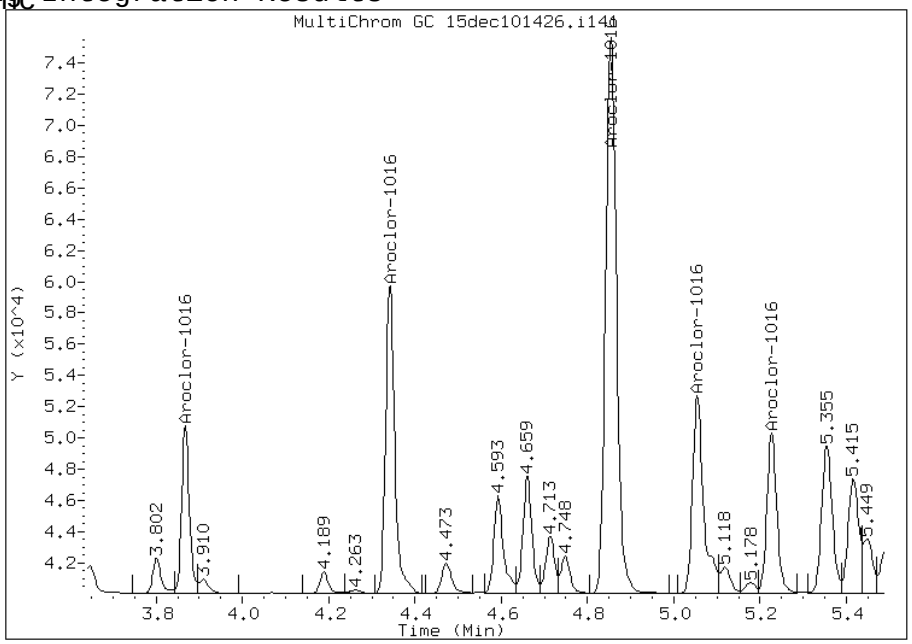
Manual Integration Report

Data File: 15dec101426-r141.d
Lab Sample ID: IC-30313
Inj. Date and Time: 15-DEC-2010 19:53
Instrument ID: 3283_2.i
Client ID: AR1660_400
Compound: 1 Aroclor-1016
CAS #: 12674-11-2
Report Date: 12/16/2010

Processing Integration Results

RT	Response	Conc
3.87	10744	447.09
4.34	19632*	443.12
4.85	35554*	469.99
5.05	12626*	446.39
5.23	10236*	455.47

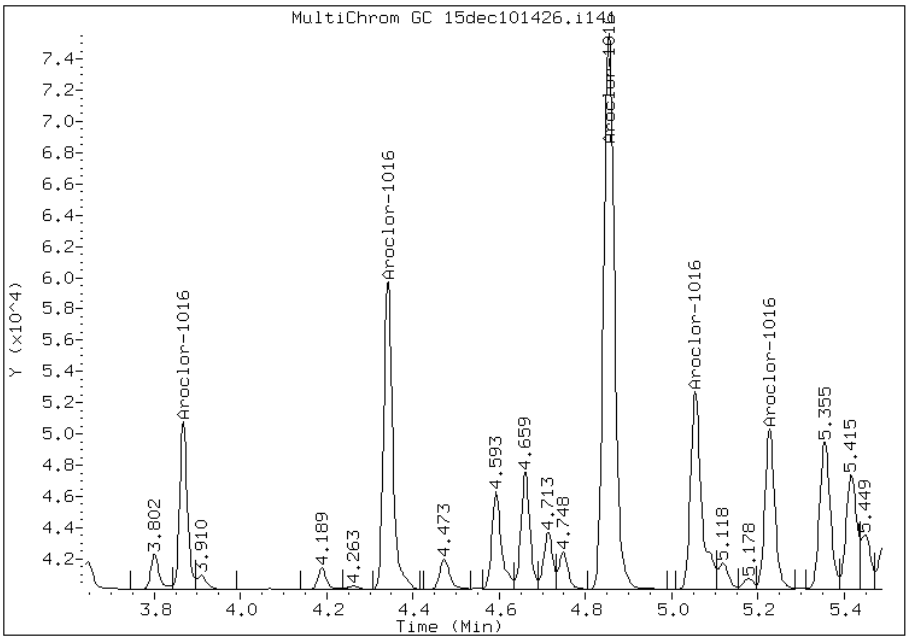
Final Conc		452.40



Manual Integration Results

RT	Response	Conc
3.87	10744	447.09
4.34	19636*	443.19
4.85	35560*	470.05
5.05	12640*	446.78
5.23	10254*	456.09

Final Conc		452.60



File Uploaded By: sld
Manual Integration Reason: Baseline event

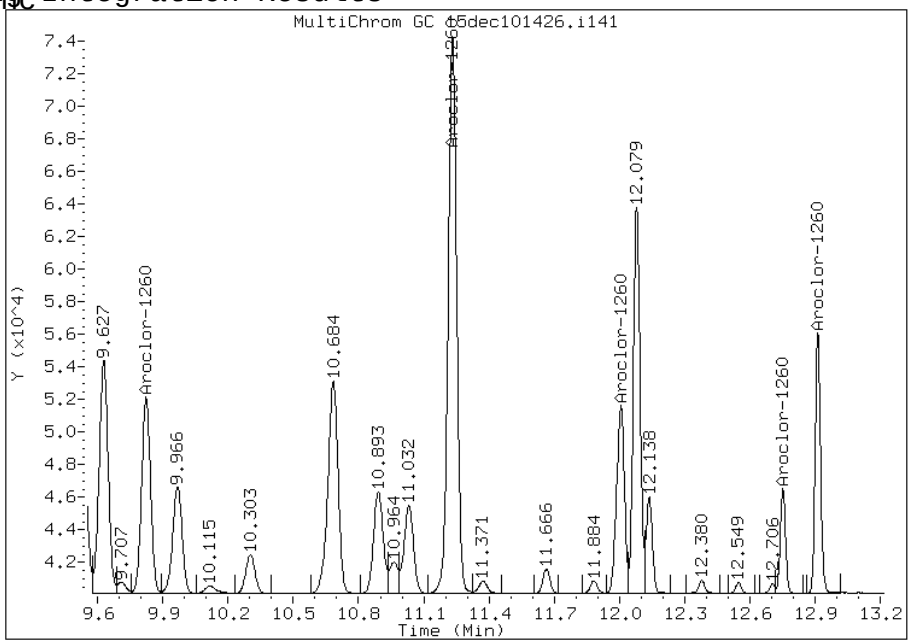
Manual Integration Report

Data File: 15dec101426-r141.d
Lab Sample ID: IC-30313
Inj. Date and Time: 15-DEC-2010 19:53
Instrument ID: 3283_2.i
Client ID: AR1660_400
Compound: 7 Aroclor-1260
CAS #: 11096-82-5
Report Date: 12/16/2010

Processing Integration Results

RT	Response	Conc
9.82	12064	452.94
11.23	34133*	476.41
12.01	11558*	460.59
12.75	6407	453.33
12.91	15956	464.62

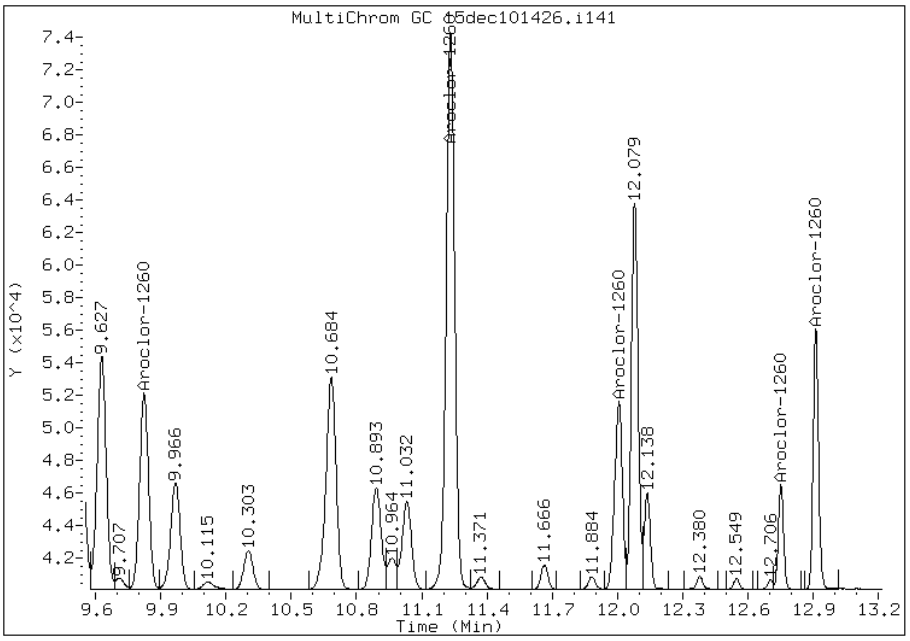
Final Conc		461.60



Manual Integration Results

RT	Response	Conc
9.82	12064	452.94
11.23	34141*	476.50
12.01	11568*	460.89
12.75	6407	453.33
12.91	15956	464.62

Final Conc		461.70



File Uploaded By: sld
Manual Integration Reason: Baseline event

TestAmerica Burlington

Data file : /var/chem/3283_2.i/121510_1/15DEC101426.b/15dec101426-r151.d
Lab Smp Id: IC-30312 Client Smp ID: AR1660_800
Inj Date : 15-DEC-2010 20:18
Operator : DPD Inst ID: 3283_2.i
Smp Info : IC-30312,1,AR1660_800
Misc Info :
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101426.b/8082_RTX35.m
Meth Date : 16-Dec-2010 07:26 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

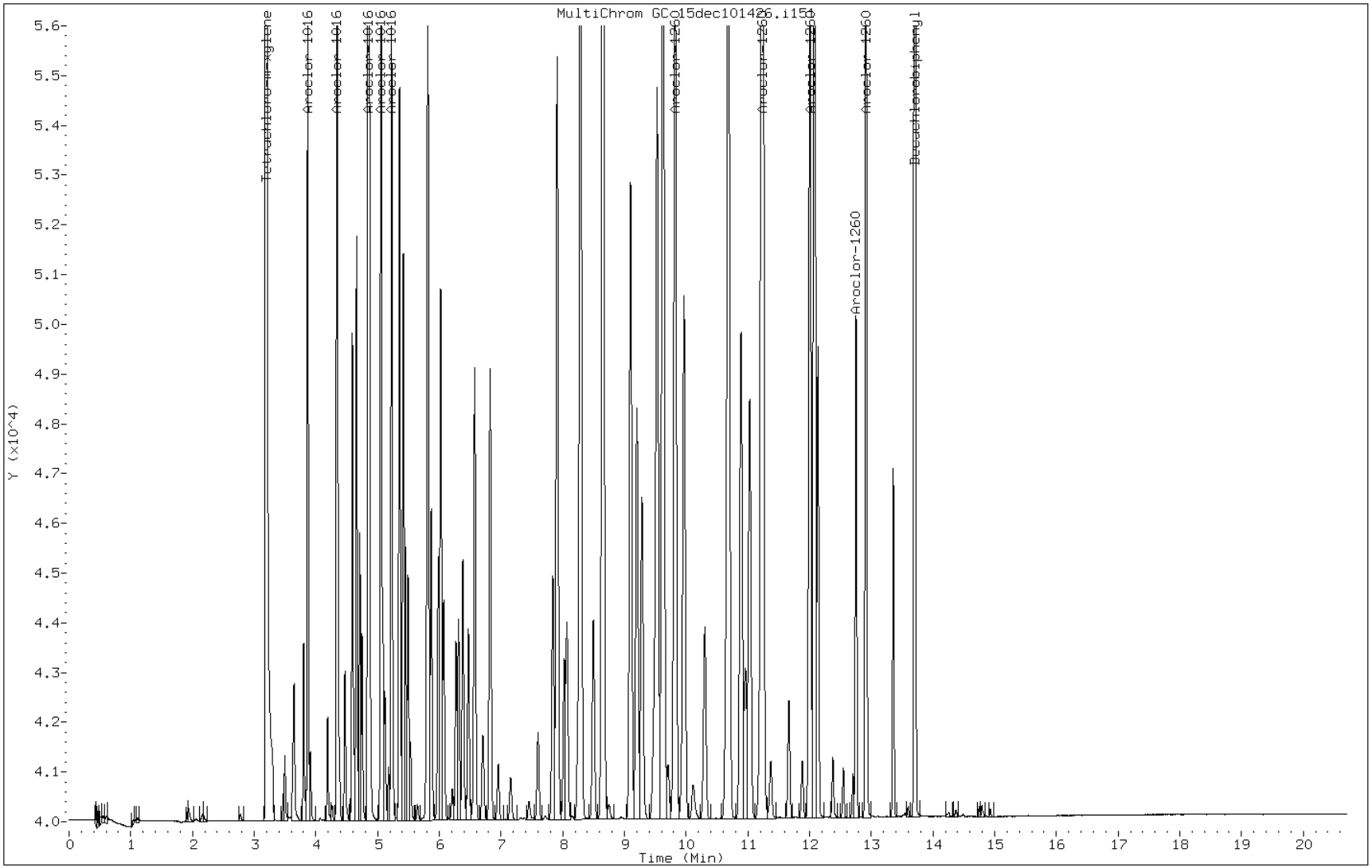
				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.196	3.190	0.006	93449	80.0000	81.69	80.00- 120.00	100.00(AM)
1 Aroclor-1016					CAS #: 12674-11-2		
3.868	3.861	0.007	16783	800.000	698.4	80.00- 120.00	100.00(M)
4.342	4.336	0.006	32170	800.000	726.1	242.86- 282.86	191.68
4.854	4.848	0.006	58901	800.000	778.6	231.90- 271.90	350.96
5.054	5.047	0.007	20646	800.000	729.8	98.24- 138.24	123.02
5.227	5.220	0.007	16393	800.000	729.2	94.08- 134.08	97.68
Average of Peak Amounts =					732.4		
7 Aroclor-1260					CAS #: 11096-82-5		
9.822	9.815	0.007	19143	800.000	718.7	80.00- 120.00	100.00(M)
11.232	11.227	0.005	55818	800.000	779.0	92.64- 132.64	291.58
12.008	12.001	0.007	18292	800.000	728.8	69.99- 109.99	95.55

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
12.752	12.748	0.004	10087	800.000	713.7	115.64- 155.64	52.69
12.914	12.908	0.006	26155	800.000	761.6	57.50- 97.50	136.63
		Average of Peak Amounts =			740.4		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.706	13.699	0.007	108596	80.0000	80.71	80.00- 120.00	100.00(A)

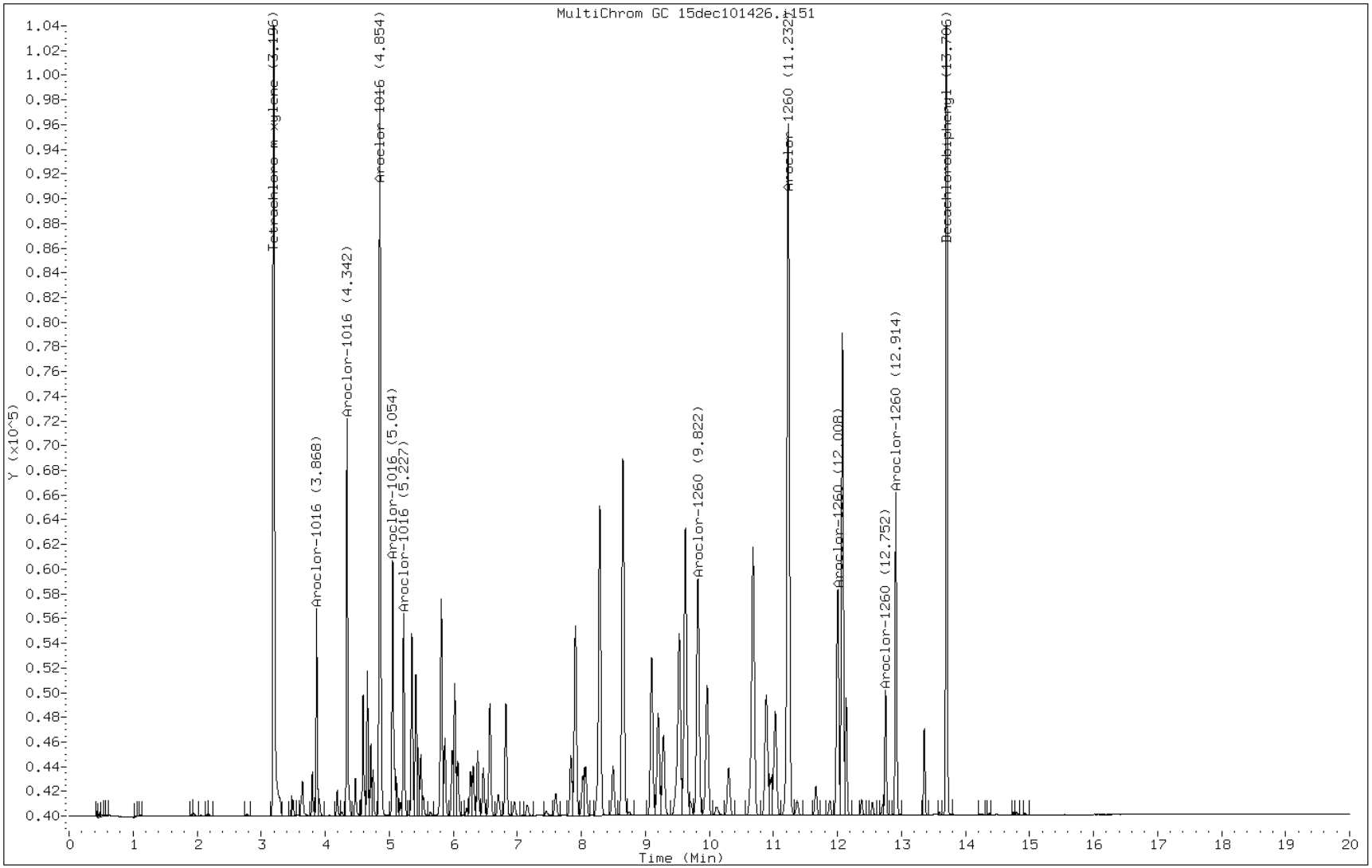
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File:	15dec101426-r151.d	Date:	15-DEC-2010 20:18
Client ID:	AR1660_800	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30312,1,AR1660_800		
Lab Sample ID:	IC-30312		



Data File:	15dec101426-r151.d	Date:	15-DEC-2010 20:18
Client ID:	AR1660_800	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	IC-30312,1,AR1660_800		



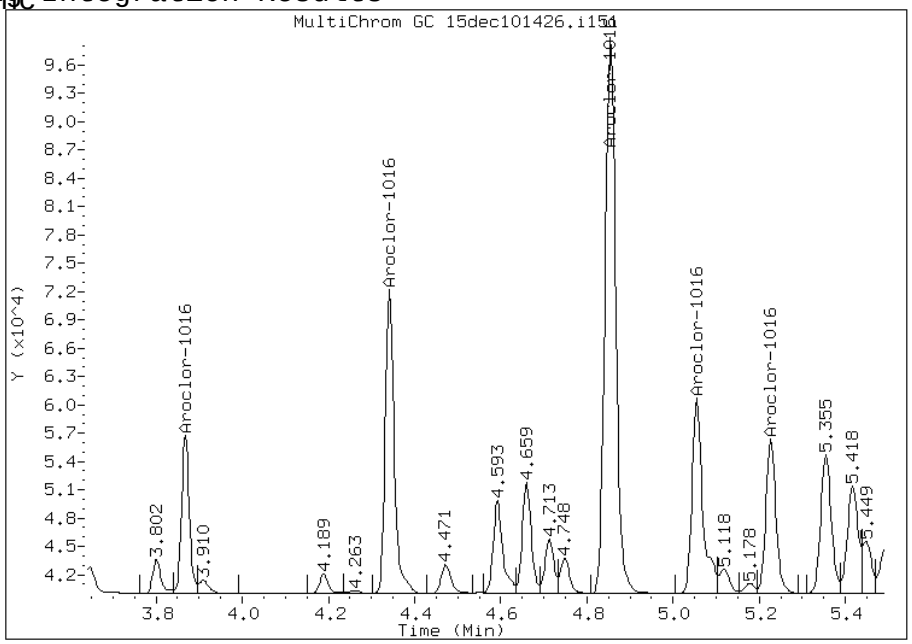
Manual Integration Report

Data File: 15dec101426-r151.d
Lab Sample ID: IC-30312
Inj. Date and Time: 15-DEC-2010 20:18
Instrument ID: 3283_2.i
Client ID: AR1660_800
Compound: 1 Aroclor-1016
CAS #: 12674-11-2
Report Date: 12/16/2010

Processing Integration Results

RT	Response	Conc
3.87	16769*	697.92
4.34	32161*	725.91
4.85	58892*	778.49
5.05	20619*	728.98
5.23	16359*	727.92

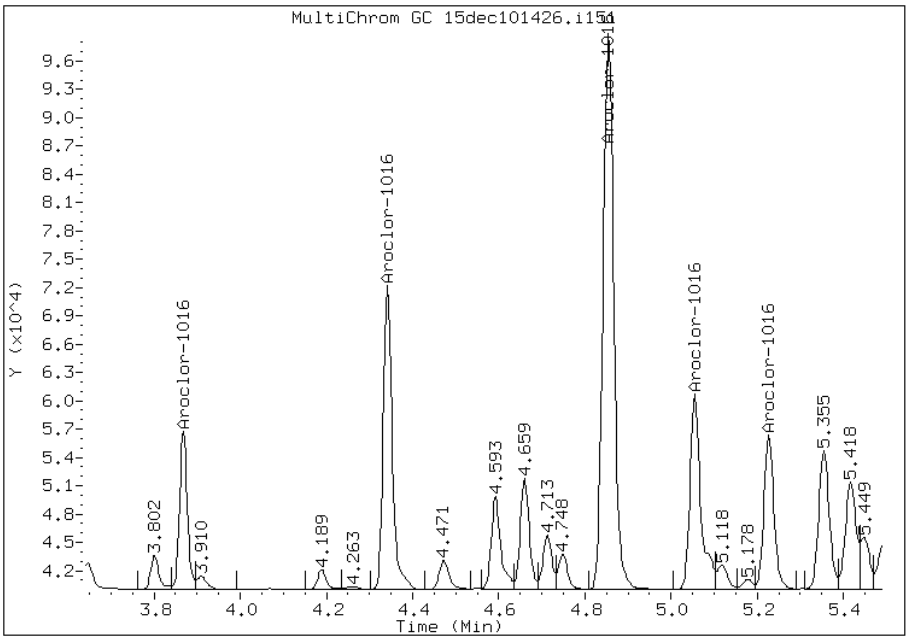
Final Conc		731.80



Manual Integration Results

RT	Response	Conc
3.87	16783*	698.40
4.34	32170*	726.08
4.85	58901*	778.59
5.05	20646*	729.76
5.23	16393*	729.15

Final Conc		732.40



File Uploaded By: sld
Manual Integration Reason: Baseline event

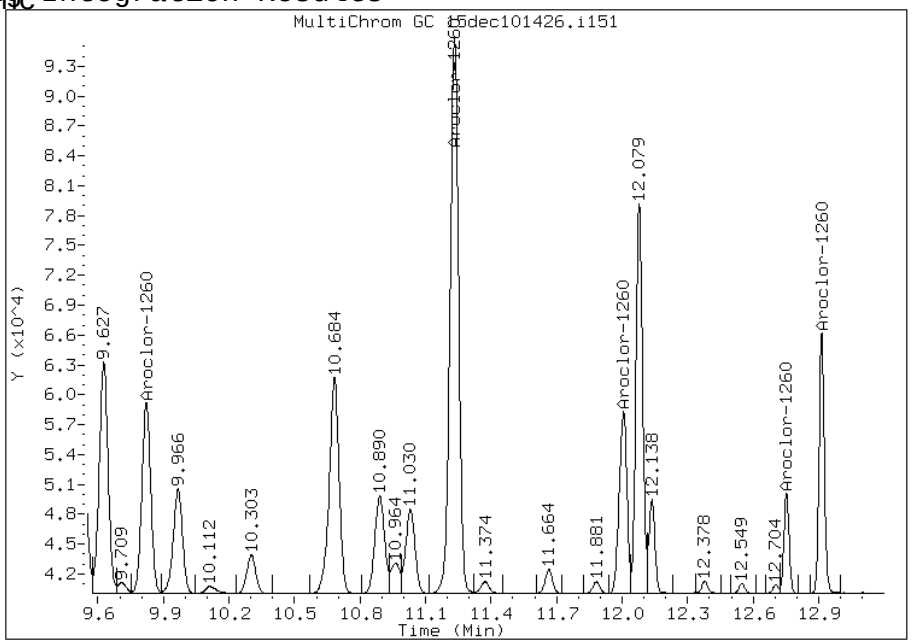
Manual Integration Report

Data File: 15dec101426-r151.d
Lab Sample ID: IC-30312
Inj. Date and Time: 15-DEC-2010 20:18
Instrument ID: 3283_2.i
Client ID: AR1660_800
Compound: 7 Aroclor-1260
CAS #: 11096-82-5
Report Date: 12/16/2010

Processing Integration Results

RT	Response	Conc
9.82	19143	718.72
11.23	55807*	778.91
12.01	18284*	728.53
12.75	10081*	713.36
12.91	26151*	761.52

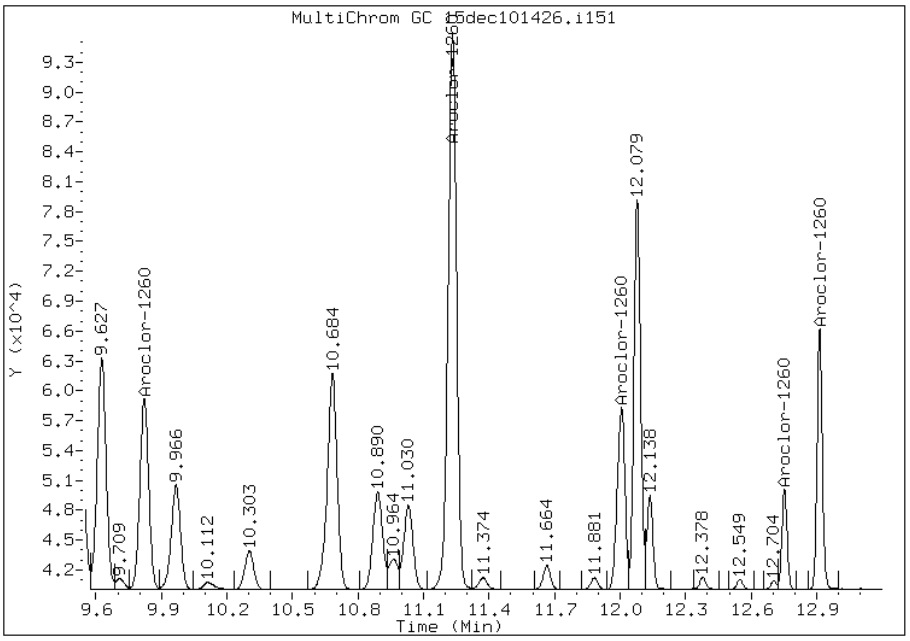
Final Conc		740.20



Manual Integration Results

RT	Response	Conc
9.82	19143	718.72
11.23	55818*	779.04
12.01	18292*	728.79
12.75	10087*	713.71
12.91	26155*	761.61

Final Conc		740.40



File Uploaded By: sld
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 15dec101426-r151.d
Lab Sample ID: IC-30312
Inj. Date and Time: 15-DEC-2010 20:18
Instrument ID: 3283_2.i
Client ID: AR1660_800
Compound: 10 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 12/16/2010

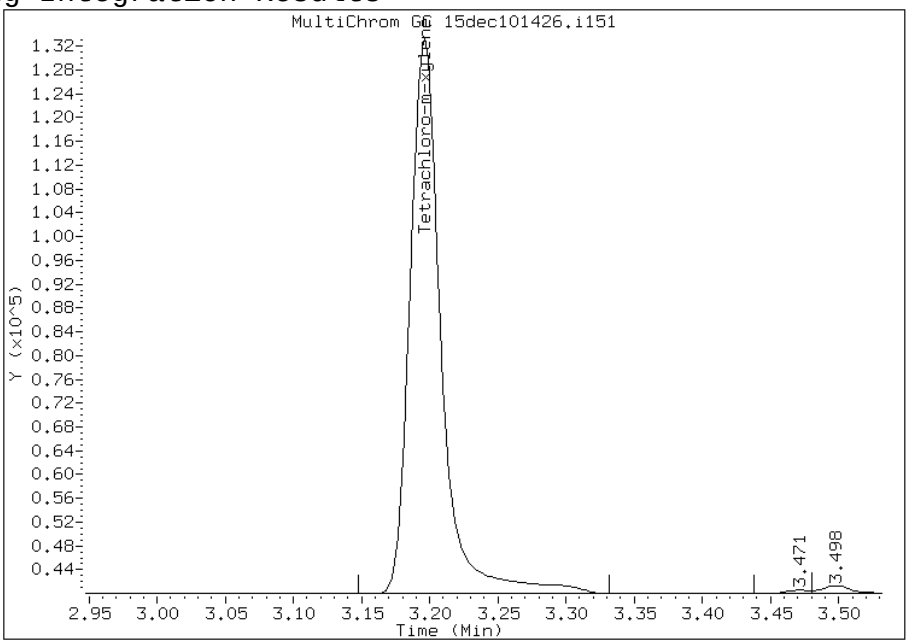
Processing Integration Results

RT: 3.20

Response: 93445

Amount: 81.69

Conc: 81.69



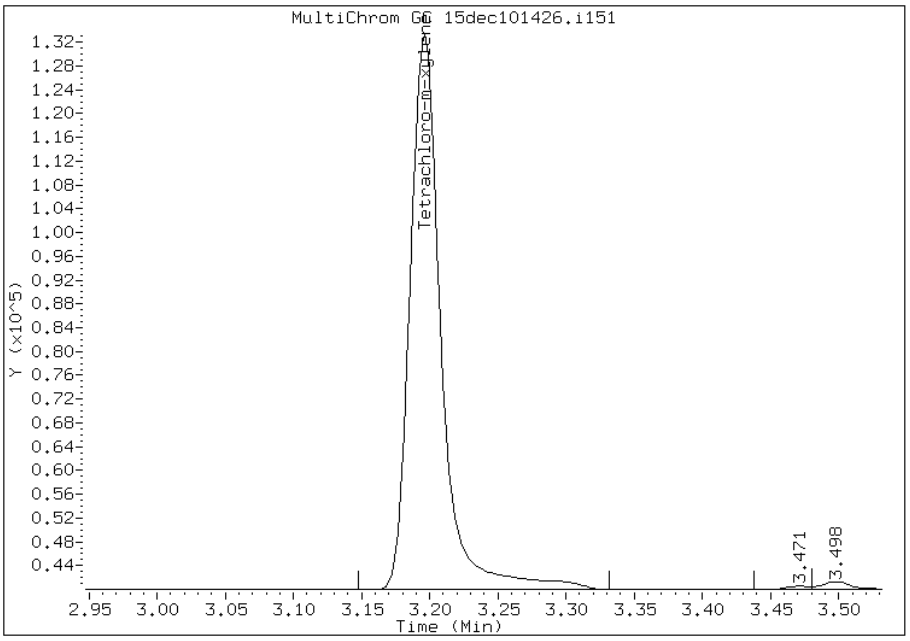
Manual Integration Results

RT: 3.20

Response: 93449

Amount: 81.69

Conc: 81.69



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2010 21:38 Calibration End Date: 10/22/2010 21:38 Calibration ID: 2834

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/4	22oct102021-r041.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	3.347										3.297 - 3.397	3.347
PCB-1221 Peak 2	3.451										3.401 - 3.501	3.451
PCB-1221 Peak 3	3.511										3.461 - 3.561	3.511
PCB-1221 Peak 4	3.959										3.909 - 4.009	3.959
PCB-1221 Peak 5	4.424										4.374 - 4.474	4.424

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2010 21:38 Calibration End Date: 10/22/2010 21:38 Calibration ID: 2834

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-8378/4	AR1221_200	22oct102021-r041.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1221 Peak 1	36.835				Ave		37						20.0			
PCB-1221 Peak 2	27.665				Ave		28						20.0			
PCB-1221 Peak 3	92.395				Ave		92						20.0			
PCB-1221 Peak 4	15.695				Ave		16						20.0			
PCB-1221 Peak 5	12.510				Ave		13						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2010 21:38 Calibration End Date: 10/22/2010 21:38 Calibration ID: 2834

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/4	22oct102021-r041.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	7367					200				
PCB-1221 Peak 2	Ave	5533					200				
PCB-1221 Peak 3	Ave	18479					200				
PCB-1221 Peak 4	Ave	3139					200				
PCB-1221 Peak 5	Ave	2502					200				

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r041.d
Lab Smp Id: IC-28402 Client Smp ID: AR1221_200
Inj Date : 22-OCT-2010 21:38
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-28402,1,AR1221_200
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

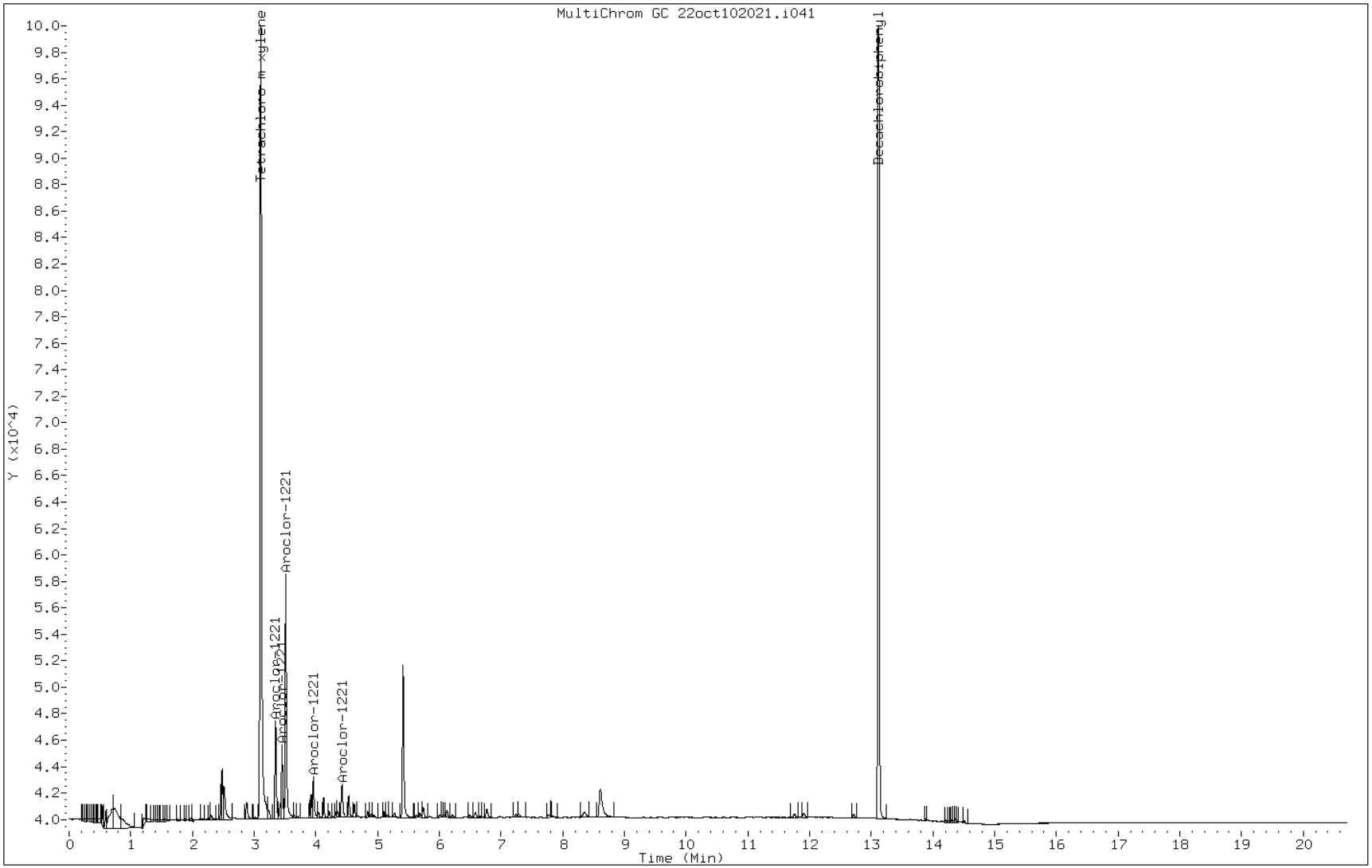
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.108	3.101	0.007	68508	20.0000	18.83	80.00- 120.00	100.00
2 Aroclor-1221					CAS #: 11104-28-2		
3.347	3.347	0.000	7367	200.000	200.0	80.00- 120.00	100.00
3.451	3.451	0.000	5533	200.000	200.0	51.55- 91.55	75.11
3.511	3.511	0.000	18479	200.000	200.0	202.13- 242.13	250.83
3.959	3.959	0.000	3139	200.000	200.0	13.39- 53.39	42.61
4.424	4.424	0.000	2502	200.000	200.0	57.79- 97.79	33.96
Average of Peak Amounts =				200			
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.118	13.107	0.011	95207	20.0000	18.00	80.00- 120.00	100.00

Data File:	22oct102021-r041.d	Date:	22-OCT-2010 21:38
Client ID:	AR1221_200	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-28402,1,AR1221_200		
Lab Sample ID:	IC-28402		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2010 21:38 Calibration End Date: 10/22/2010 21:38 Calibration ID: 2842

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/4	22oct102021-r041.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	4.214										4.164 - 4.264	4.214
PCB-1221 Peak 2	4.389										4.339 - 4.439	4.389
PCB-1221 Peak 3	4.471										4.421 - 4.521	4.471
PCB-1221 Peak 4	4.524										4.474 - 4.574	4.524
PCB-1221 Peak 5	5.067										5.017 - 5.117	5.067

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2010 21:38 Calibration End Date: 10/22/2010 21:38 Calibration ID: 2842

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-8378/4	AR1221_200	22oct102021-r041.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1221 Peak 1	67.695				Ave		68						20.0			
PCB-1221 Peak 2	46.295				Ave		46						20.0			
PCB-1221 Peak 3	138.49				Ave		138						20.0			
PCB-1221 Peak 4	24.930				Ave		25						20.0			
PCB-1221 Peak 5	28.470				Ave		28						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2010 21:38 Calibration End Date: 10/22/2010 21:38 Calibration ID: 2842

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/4	22oct102021-r041.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	13539					200				
PCB-1221 Peak 2	Ave	9259					200				
PCB-1221 Peak 3	Ave	27697					200				
PCB-1221 Peak 4	Ave	4986					200				
PCB-1221 Peak 5	Ave	5694					200				

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r041.d
Lab Smp Id: IC-28402 Client Smp ID: AR1221_200
Inj Date : 22-OCT-2010 21:38
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-28402,1,AR1221_200
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:46 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:08 Cal File: 22oct102021-r301.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

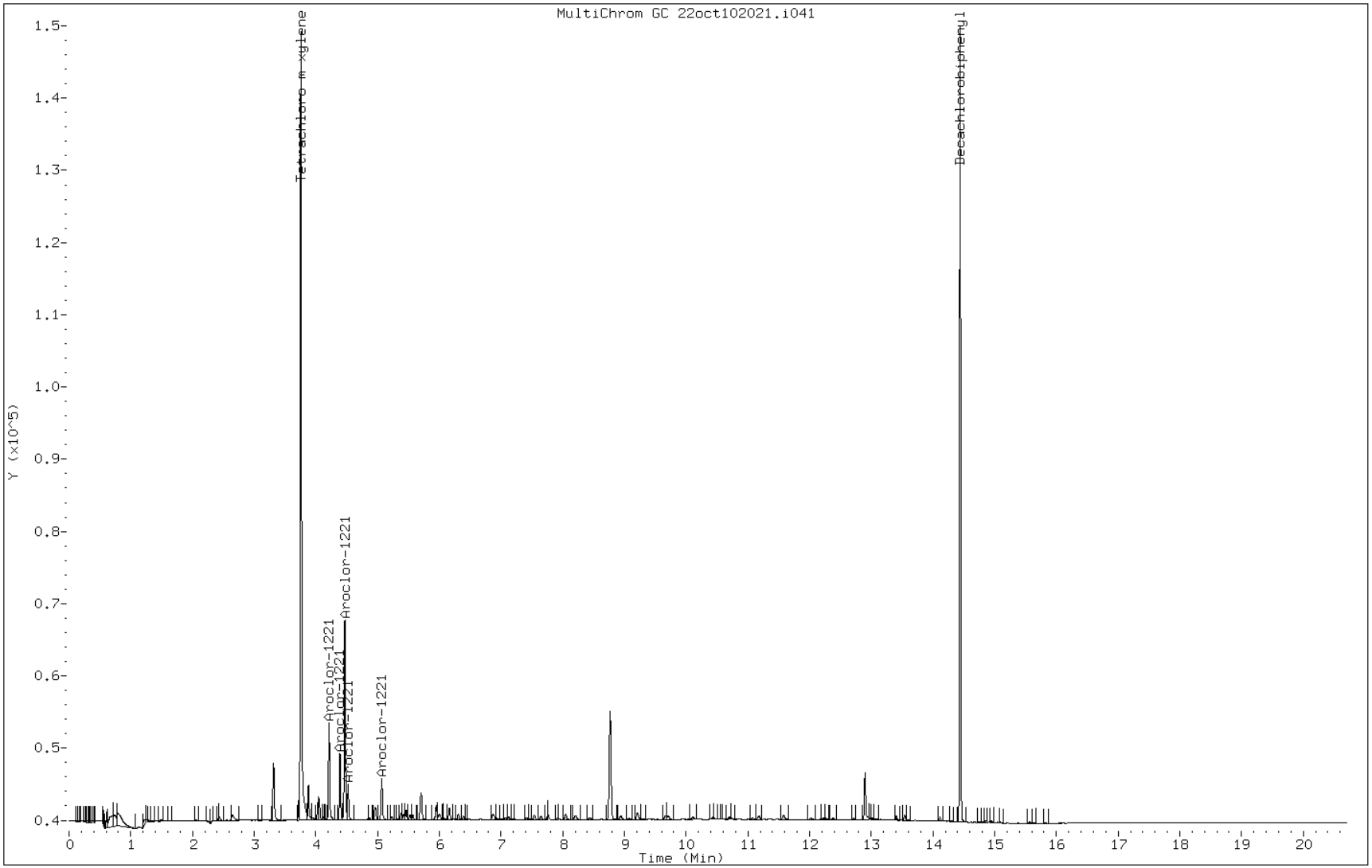
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.757	3.746	0.011	109168	20.0000	18.82	80.00- 120.00	100.00
2 Aroclor-1221					CAS #: 11104-28-2		
4.214	4.214	0.000	13539	200.000	200.0	80.00- 120.00	100.00
4.389	4.389	0.000	9259	200.000	200.0	51.55- 91.55	68.39
4.471	4.471	0.000	27697	200.000	200.0	202.13- 242.13	204.57
4.524	4.524	0.000	4986	200.000	200.0	13.39- 53.39	36.83
5.067	5.067	0.000	5694	200.000	200.0	57.79- 97.79	42.06
Average of Peak Amounts =					200		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.439	14.426	0.013	116424	20.0000	17.29	80.00- 120.00	100.00

Data File:	22oct102021-r041.d	Date:	22-OCT-2010 21:38
Client ID:	AR1221_200	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-28402,1,AR1221_200		
Lab Sample ID:	IC-28402		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2010 22:03 Calibration End Date: 10/22/2010 22:03 Calibration ID: 2835

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/5	22oct102021-r051.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	3.513										3.463 - 3.563	3.513
PCB-1232 Peak 2	3.937										3.887 - 3.987	3.937
PCB-1232 Peak 3	4.127										4.077 - 4.177	4.127
PCB-1232 Peak 4	4.422										4.372 - 4.472	4.422
PCB-1232 Peak 5	4.535										4.485 - 4.585	4.535

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2010 22:03 Calibration End Date: 10/22/2010 22:03 Calibration ID: 2835

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-8378/5	AR1232_200	22oct102021-r051.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	78.715				Ave		79						20.0			
PCB-1232 Peak 2	48.060				Ave		48						20.0			
PCB-1232 Peak 3	47.305				Ave		47						20.0			
PCB-1232 Peak 4	98.745				Ave		99						20.0			
PCB-1232 Peak 5	53.510				Ave		54						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2010 22:03 Calibration End Date: 10/22/2010 22:03 Calibration ID: 2835

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/5	22oct102021-r051.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	15743					200				
PCB-1232 Peak 2	Ave	9612					200				
PCB-1232 Peak 3	Ave	9461					200				
PCB-1232 Peak 4	Ave	19749					200				
PCB-1232 Peak 5	Ave	10702					200				

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r051.d
Lab Smp Id: IC-28407 Client Smp ID: AR1232_200
Inj Date : 22-OCT-2010 22:03
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-28407,1,AR1232_200
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

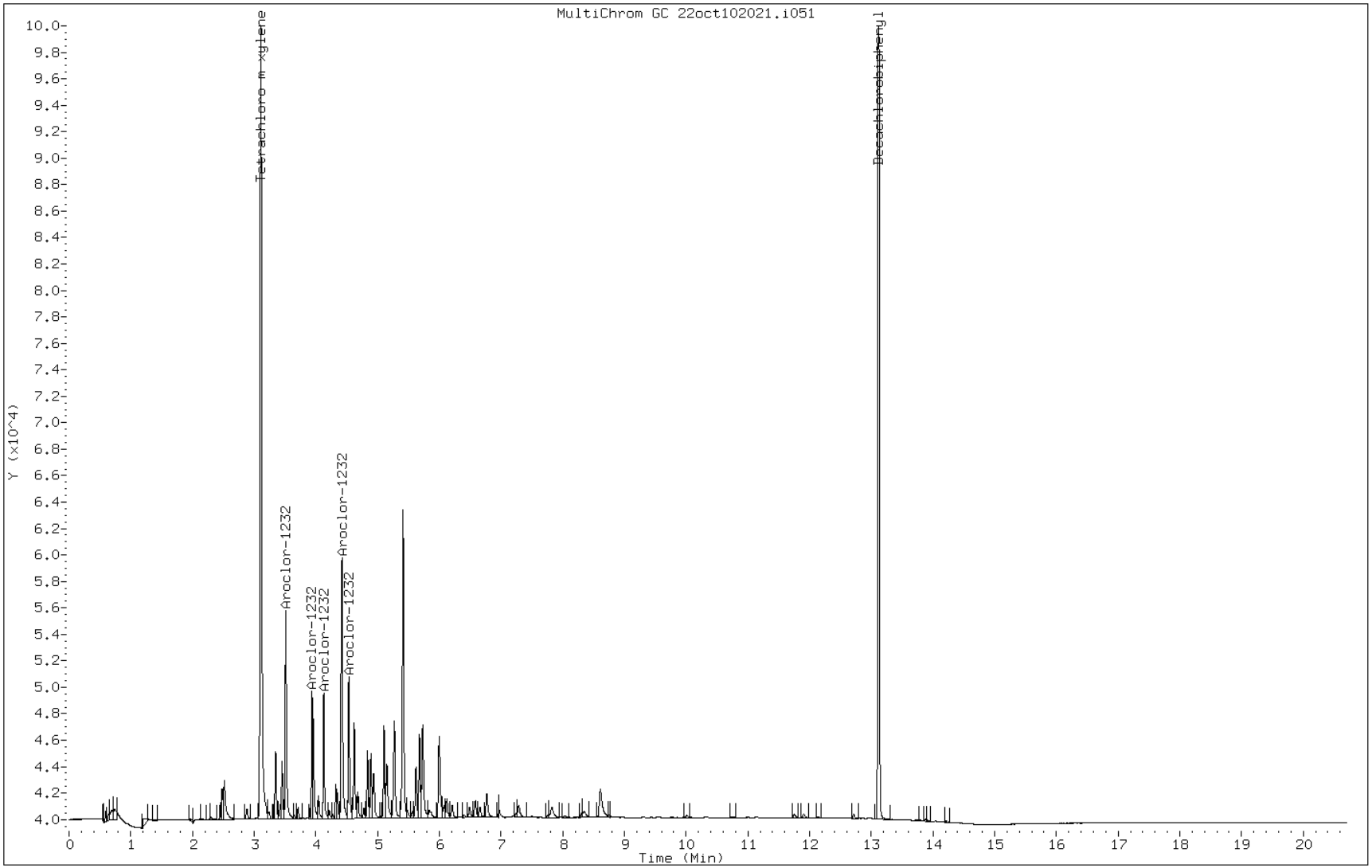
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.108	3.101	0.007	68739	20.0000	18.90	80.00- 120.00	100.00
3 Aroclor-1232					CAS #: 11141-16-5		
3.513	3.513	0.000	15743	200.000	200.0	80.00- 120.00	100.00
3.937	3.937	0.000	9612	200.000	200.0	145.73- 185.73	61.06
4.127	4.127	0.000	9461	200.000	200.0	107.60- 147.60	60.10
4.422	4.422	0.000	19749	200.000	200.0	82.96- 122.96	125.45
4.535	4.535	0.000	10702	200.000	200.0	28.56- 68.56	67.98
Average of Peak Amounts =				200			
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.118	13.107	0.011	91224	20.0000	17.25	80.00- 120.00	100.00

Data File:	22oct102021-r051.d	Date:	22-OCT-2010 22:03
Client ID:	AR1232_200	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-28407,1,AR1232_200		
Lab Sample ID:	IC-28407		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2010 22:03 Calibration End Date: 10/22/2010 22:03 Calibration ID: 2843

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/5	22oct102021-r051.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	4.478										4.428 - 4.528	4.478
PCB-1232 Peak 2	5.070										5.020 - 5.120	5.070
PCB-1232 Peak 3	5.715										5.665 - 5.765	5.715
PCB-1232 Peak 4	5.956										5.906 - 6.006	5.956
PCB-1232 Peak 5	6.874										6.824 - 6.924	6.874

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2010 22:03 Calibration End Date: 10/22/2010 22:03 Calibration ID: 2843

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-8378/5	AR1232_200	22oct102021-r051.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	121.59				Ave		122						20.0			
PCB-1232 Peak 2	85.540				Ave		86						20.0			
PCB-1232 Peak 3	118.90				Ave		119						20.0			
PCB-1232 Peak 4	60.400				Ave		60						20.0			
PCB-1232 Peak 5	45.770				Ave		46						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2010 22:03 Calibration End Date: 10/22/2010 22:03 Calibration ID: 2843

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/5	22oct102021-r051.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	24318					200				
PCB-1232 Peak 2	Ave	17108					200				
PCB-1232 Peak 3	Ave	23779					200				
PCB-1232 Peak 4	Ave	12080					200				
PCB-1232 Peak 5	Ave	9154					200				

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r051.d
Lab Smp Id: IC-28407 Client Smp ID: AR1232_200
Inj Date : 22-OCT-2010 22:03
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-28407,1,AR1232_200
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:46 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:08 Cal File: 22oct102021-r301.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

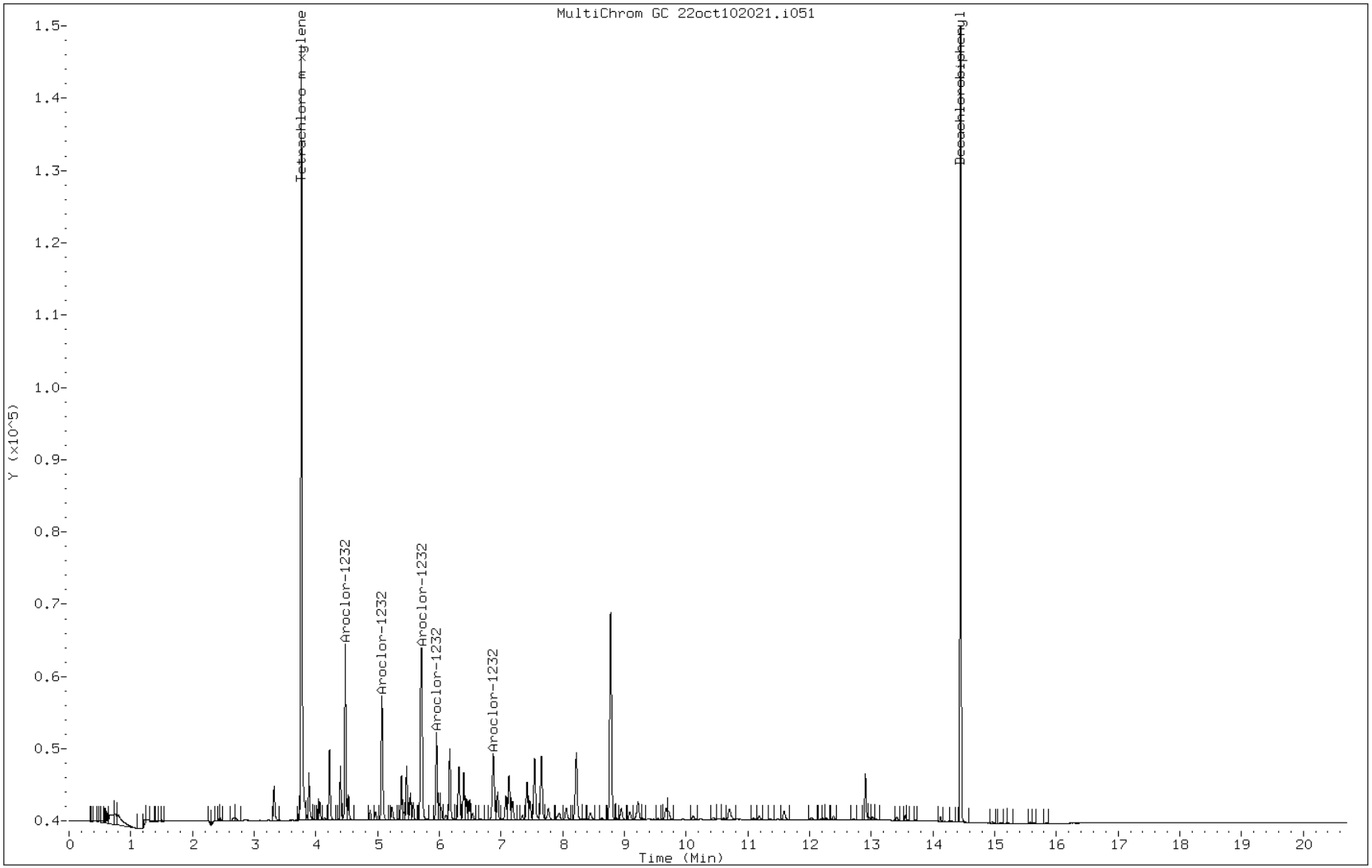
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.764	3.746	0.018	107179	20.0000	18.47	80.00- 120.00	100.00
3 Aroclor-1232					CAS #: 11141-16-5		
4.478	4.478	0.000	24318	200.000	200.0	80.00- 120.00	100.00
5.070	5.070	0.000	17108	200.000	200.0	145.73- 185.73	70.35
5.715	5.715	0.000	23779	200.000	200.0	107.60- 147.60	97.78
5.956	5.956	0.000	12080	200.000	200.0	82.96- 122.96	49.68
6.874	6.874	0.000	9154	200.000	200.0	28.56- 68.56	37.64
Average of Peak Amounts =					200		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.446	14.426	0.020	116020	20.0000	17.23	80.00- 120.00	100.00

Data File:	22oct102021-r051.d	Date:	22-OCT-2010 22:03
Client ID:	AR1232_200	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-28407,1,AR1232_200		
Lab Sample ID:	IC-28407		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2010 22:27 Calibration End Date: 10/23/2010 00:04 Calibration ID: 2836

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/6	22oct102021-r061.d
Level 2	IC 200-8378/7	22oct102021-r071.d
Level 3	IC 200-8378/8	22oct102021-r081.d
Level 4	IC 200-8378/9	22oct102021-r091.d
Level 5	IC 200-8378/10	22oct102021-r101.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1242 Peak 1	3.516	3.502	3.500	3.513	3.502						3.450 - 3.550	3.507
PCB-1242 Peak 2	3.939	3.926	3.924	3.939	3.928						3.874 - 3.974	3.931
PCB-1242 Peak 3	4.424	4.411	4.409	4.422	4.411						4.359 - 4.459	4.416
PCB-1242 Peak 4	4.538	4.524	4.520	4.535	4.524						4.470 - 4.570	4.528
PCB-1242 Peak 5	4.624	4.611	4.608	4.622	4.611						4.558 - 4.658	4.615

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2010 22:27 Calibration End Date: 10/23/2010 00:04 Calibration ID: 2836

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-8378/6	AR1242_50	22oct102021-r061.d
Level 2	IC 200-8378/7	AR1242_100	22oct102021-r071.d
Level 3	IC 200-8378/8	AR1242_200	22oct102021-r081.d
Level 4	IC 200-8378/9	AR1242_400	22oct102021-r091.d
Level 5	IC 200-8378/10	AR1242_800	22oct102021-r101.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1242 Peak 1	57.380 54.409	56.430	55.730	53.458	Ave		55				2.8		20.0			
PCB-1242 Peak 2	115.82 81.303	87.120	83.825	82.140	Ave		90				16.2		20.0			
PCB-1242 Peak 3	181.42 198.20	180.51	185.17	185.65	Ave		186				3.8		20.0			
PCB-1242 Peak 4	101.72 101.97	98.650	98.025	98.078	Ave		100				2.0		20.0			
PCB-1242 Peak 5	66.740 68.798	65.330	66.140	65.718	Ave		67				2.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2010 22:27 Calibration End Date: 10/23/2010 00:04 Calibration ID: 2836

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/6	22oct102021-r061.d
Level 2	IC 200-8378/7	22oct102021-r071.d
Level 3	IC 200-8378/8	22oct102021-r081.d
Level 4	IC 200-8378/9	22oct102021-r091.d
Level 5	IC 200-8378/10	22oct102021-r101.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Ave	2869	5643	11146	21383	43527	50.0	100	200	400	800
PCB-1242 Peak 2	Ave	5791	8712	16765	32856	65042	50.0	100	200	400	800
PCB-1242 Peak 3	Ave	9071	18051	37034	74260	158563	50.0	100	200	400	800
PCB-1242 Peak 4	Ave	5086	9865	19605	39231	81575	50.0	100	200	400	800
PCB-1242 Peak 5	Ave	3337	6533	13228	26287	55038	50.0	100	200	400	800

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r061.d
Lab Smp Id: IC-28414 Client Smp ID: AR1242_50
Inj Date : 22-OCT-2010 22:27
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-28414,1,AR1242_50
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

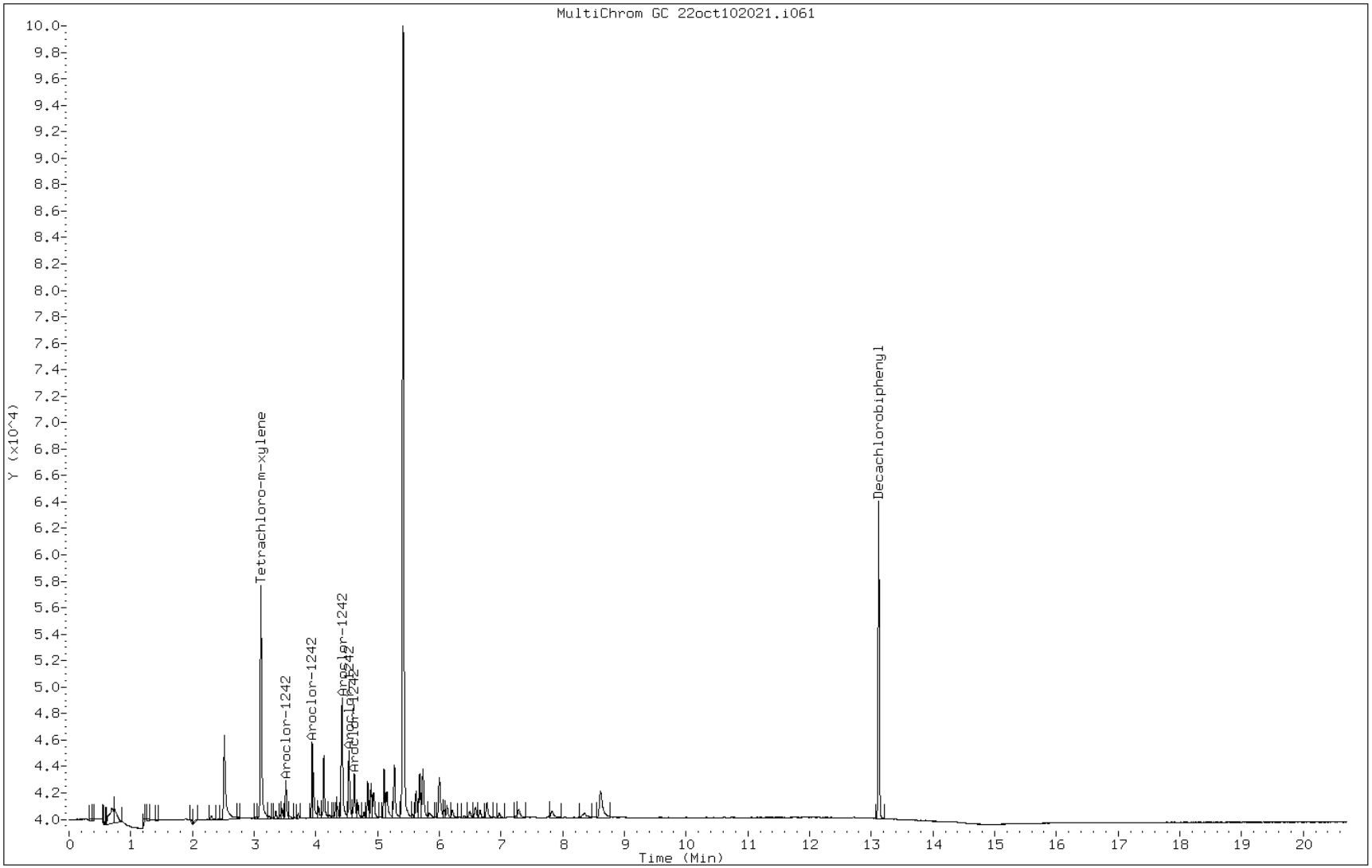
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.110	3.101	0.009	17640	5.00000	4.849	80.00- 120.00	100.00(a)
4 Aroclor-1242					CAS #: 53469-21-9		
3.516	3.500	0.016	2869	50.0000	51.71	80.00- 120.00	100.00
3.939	3.924	0.015	5791	50.0000	64.31	76.75- 116.75	201.85
4.424	4.409	0.015	9071	50.0000	48.72	25.18- 65.18	316.17
4.538	4.520	0.018	5086	50.0000	51.02	28.37- 68.37	177.27
4.624	4.608	0.016	3337	50.0000	50.15	25.12- 65.12	116.31
Average of Peak Amounts =					53.18		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.118	13.107	0.011	24059	5.00000	4.549	80.00- 120.00	100.00(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	22oct102021-r061.d	Date:	22-OCT-2010 22:27
Client ID:	AR1242_50	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-28414,1,AR1242_50		
Lab Sample ID:	IC-28414		



TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r071.d
Lab Smp Id: IC-28413 Client Smp ID: AR1242_100
Inj Date : 22-OCT-2010 22:51
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-28413,1,AR1242_100
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

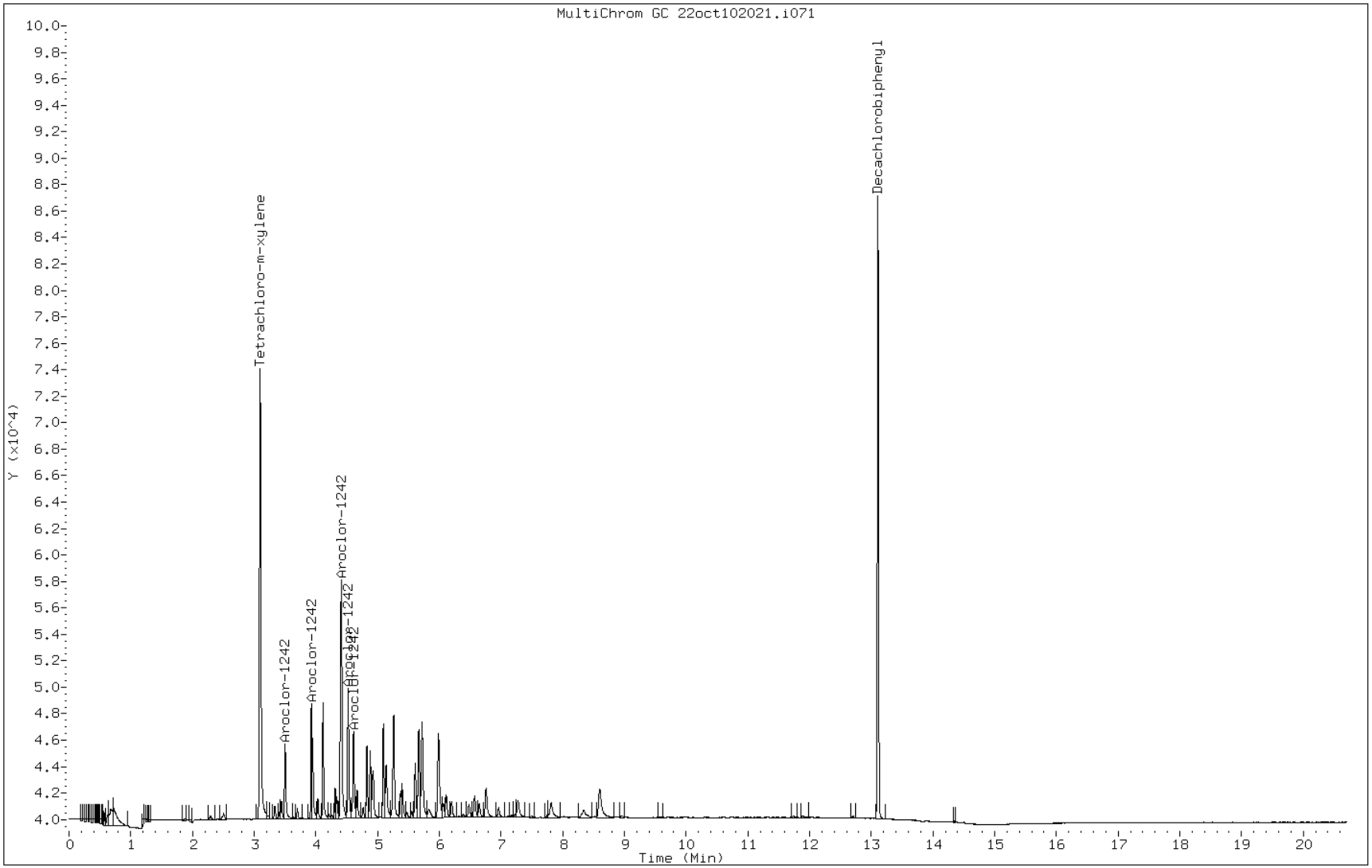
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.097	3.101	-0.004	34051	10.0000	9.361	80.00- 120.00	100.00
4 Aroclor-1242					CAS #: 53469-21-9		
3.502	3.500	0.002	5643	100.000	101.7	80.00- 120.00	100.00
3.926	3.924	0.002	8712	100.000	96.76	76.75- 116.75	154.39
4.411	4.409	0.002	18051	100.000	96.95	25.18- 65.18	319.88
4.524	4.520	0.004	9865	100.000	98.96	28.37- 68.37	174.82
4.611	4.608	0.003	6533	100.000	98.17	25.12- 65.12	115.77
Average of Peak Amounts =					98.51		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.107	13.107	0.000	47072	10.0000	8.901	80.00- 120.00	100.00

Data File:	22oct102021-r071.d	Date:	22-OCT-2010 22:51
Client ID:	AR1242_100	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-28413,1,AR1242_100		
Lab Sample ID:	IC-28413		



TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r081.d
Lab Smp Id: IC-28412 Client Smp ID: AR1242_200
Inj Date : 22-OCT-2010 23:15
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-28412,1,AR1242_200
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

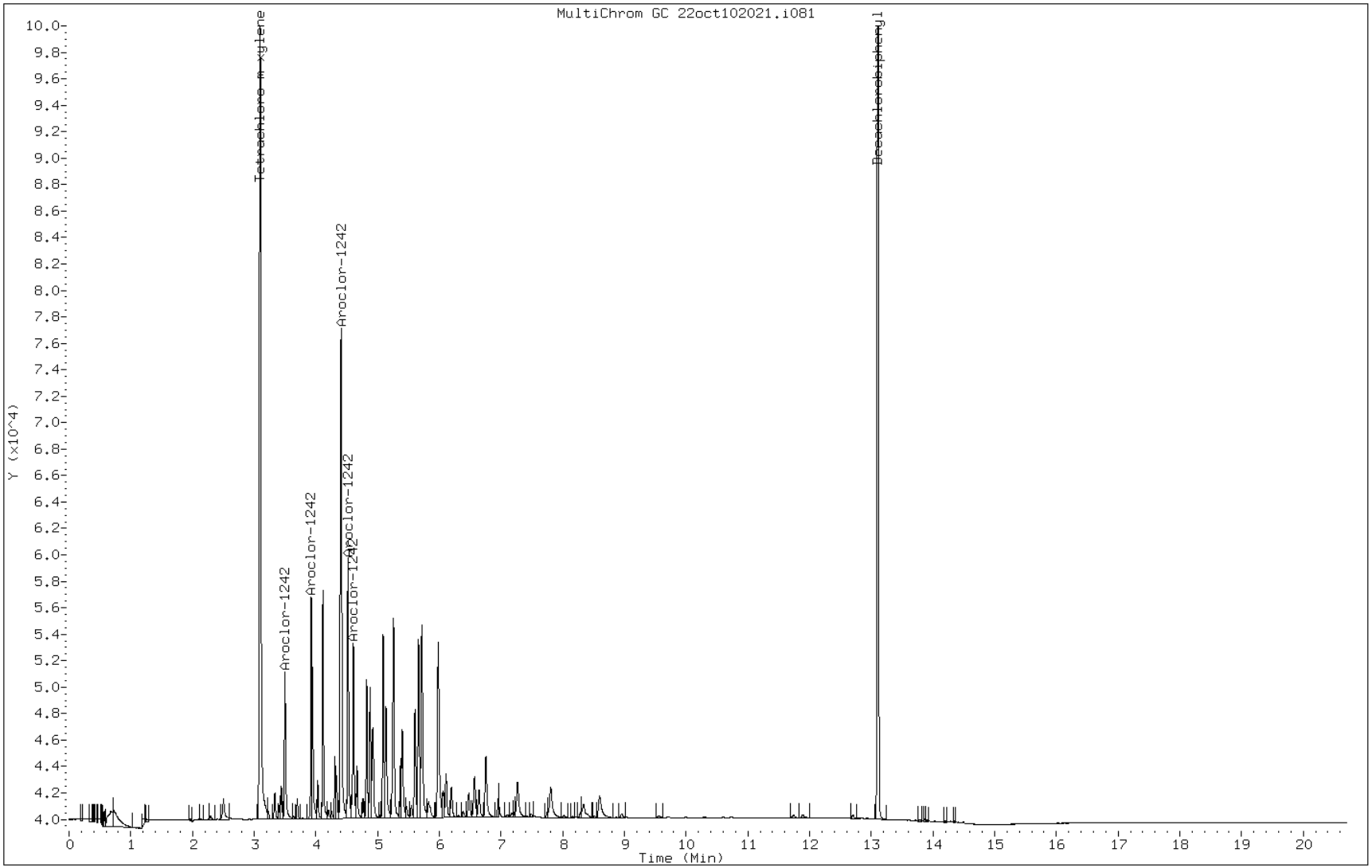
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.094	3.101	-0.007	70951	20.0000	19.50	80.00- 120.00	100.00
4 Aroclor-1242					CAS #: 53469-21-9		
3.500	3.500	0.000	11146	200.000	200.9	80.00- 120.00	100.00
3.924	3.924	0.000	16765	200.000	186.2	76.75- 116.75	150.41
4.409	4.409	0.000	37034	200.000	198.9	25.18- 65.18	332.26
4.520	4.520	0.000	19605	200.000	196.7	28.37- 68.37	175.89
4.608	4.608	0.000	13228	200.000	198.8	25.12- 65.12	118.68
Average of Peak Amounts =					196.3		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.105	13.107	-0.002	98038	20.0000	18.54	80.00- 120.00	100.00

Data File:	22oct102021-r081.d	Date:	22-OCT-2010 23:15
Client ID:	AR1242_200	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-28412,1,AR1242_200		
Lab Sample ID:	IC-28412		



TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r091.d
Lab Smp Id: IC-28411 Client Smp ID: AR1242_400
Inj Date : 22-OCT-2010 23:39
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-28411,1,AR1242_400
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

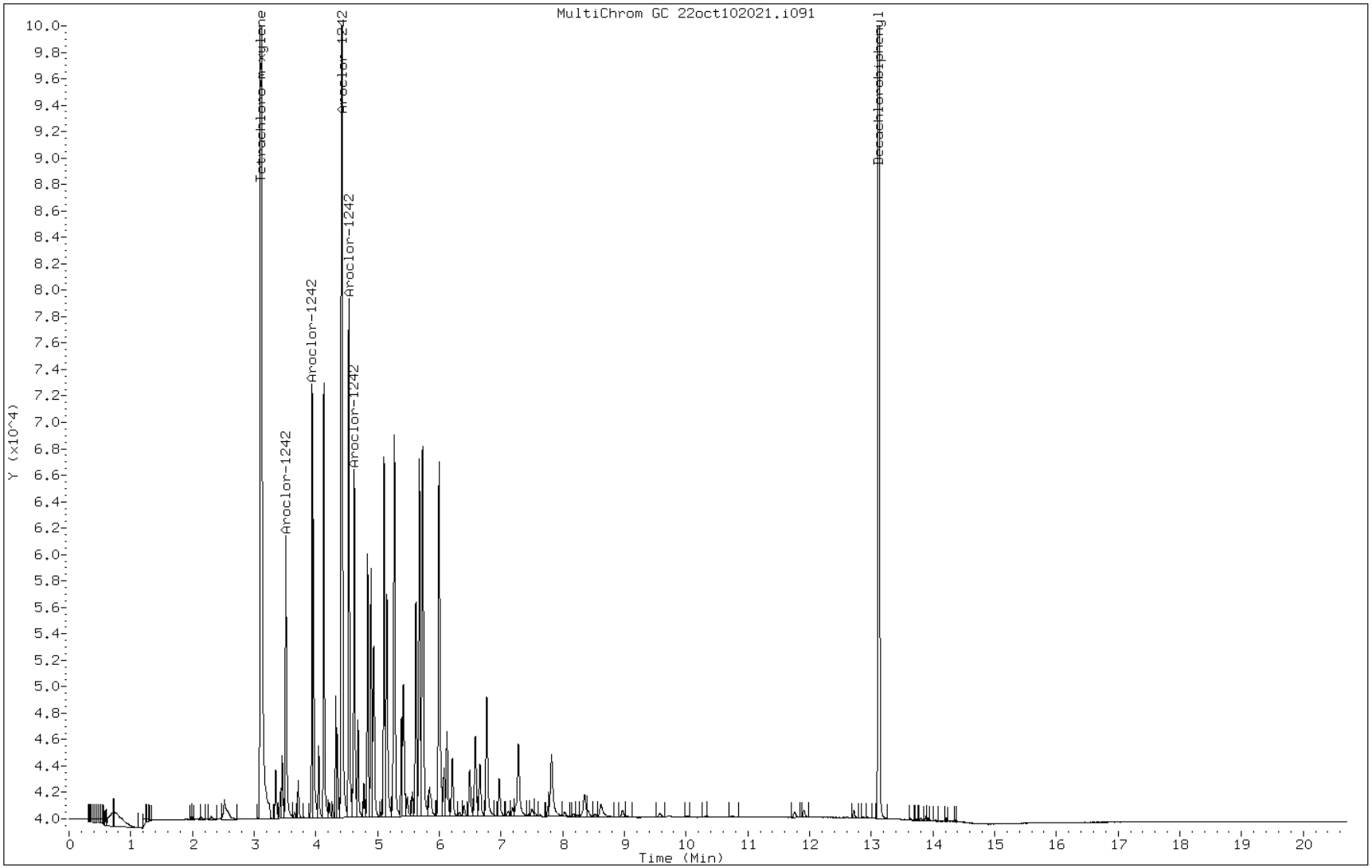
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

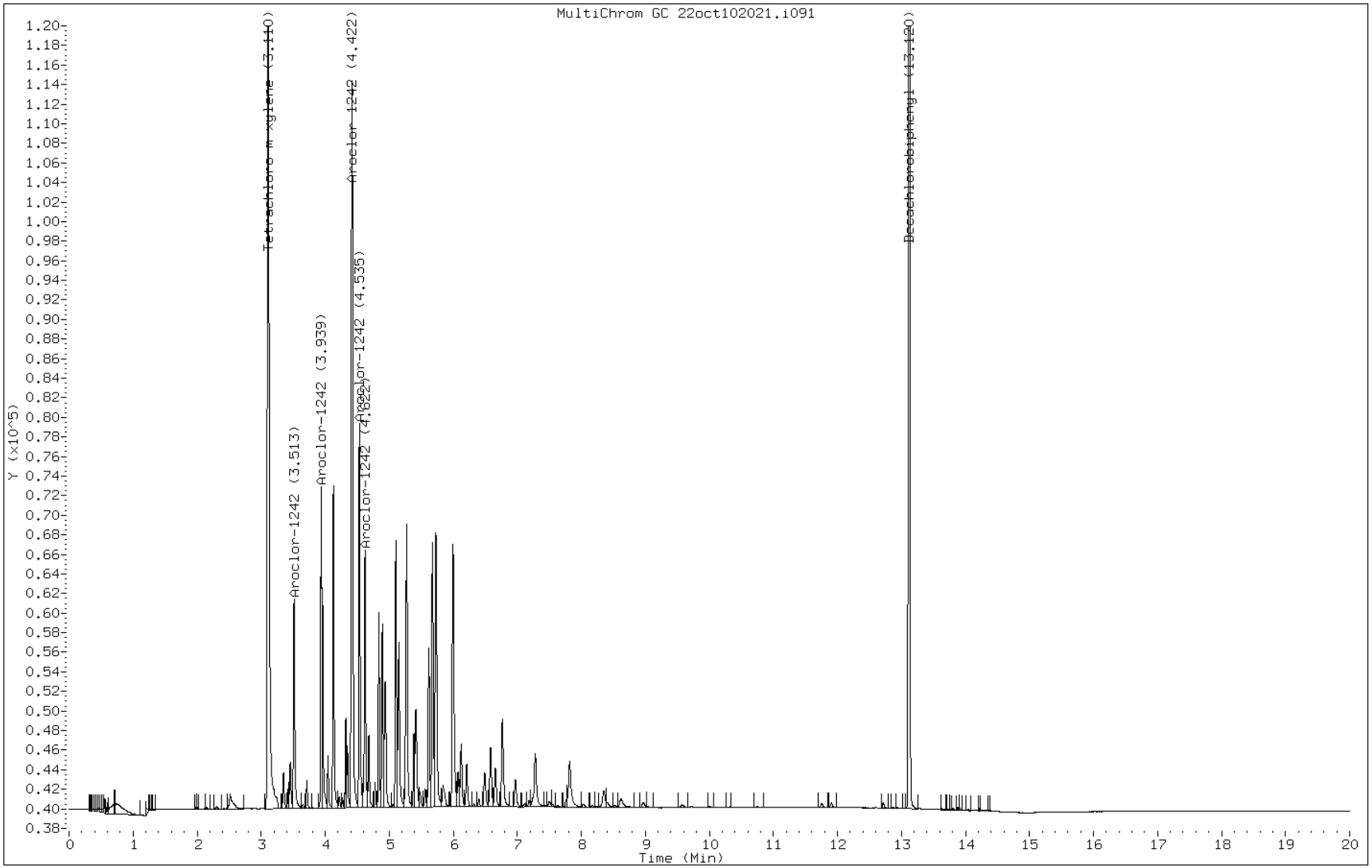
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.110	3.101	0.009	143034	40.0000	39.32	80.00- 120.00	100.00
4 Aroclor-1242					CAS #: 53469-21-9		
3.513	3.500	0.013	21383	400.000	385.4	80.00- 120.00	100.00
3.939	3.924	0.015	32856	400.000	364.9	76.75- 116.75	153.65
4.422	4.409	0.013	74260	400.000	398.8	25.18- 65.18	347.29
4.535	4.520	0.015	39231	400.000	393.5	28.37- 68.37	183.47
4.622	4.608	0.014	26287	400.000	395.0	25.12- 65.12	122.93
Average of Peak Amounts =					387.5		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.120	13.107	0.013	195821	40.0000	37.03	80.00- 120.00	100.00

Data File:	22oct102021-r091.d	Date:	22-OCT-2010 23:39
Client ID:	AR1242_400	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-28411,1,AR1242_400		
Lab Sample ID:	IC-28411		



Data File:	22oct102021-r091.d	Date:	22-OCT-2010 23:39
Client ID:	AR1242_400	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-28411,1,AR1242_400		



TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r101.d
Lab Smp Id: IC-28410 Client Smp ID: AR1242_800
Inj Date : 23-OCT-2010 00:04
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-28410,1,AR1242_800
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

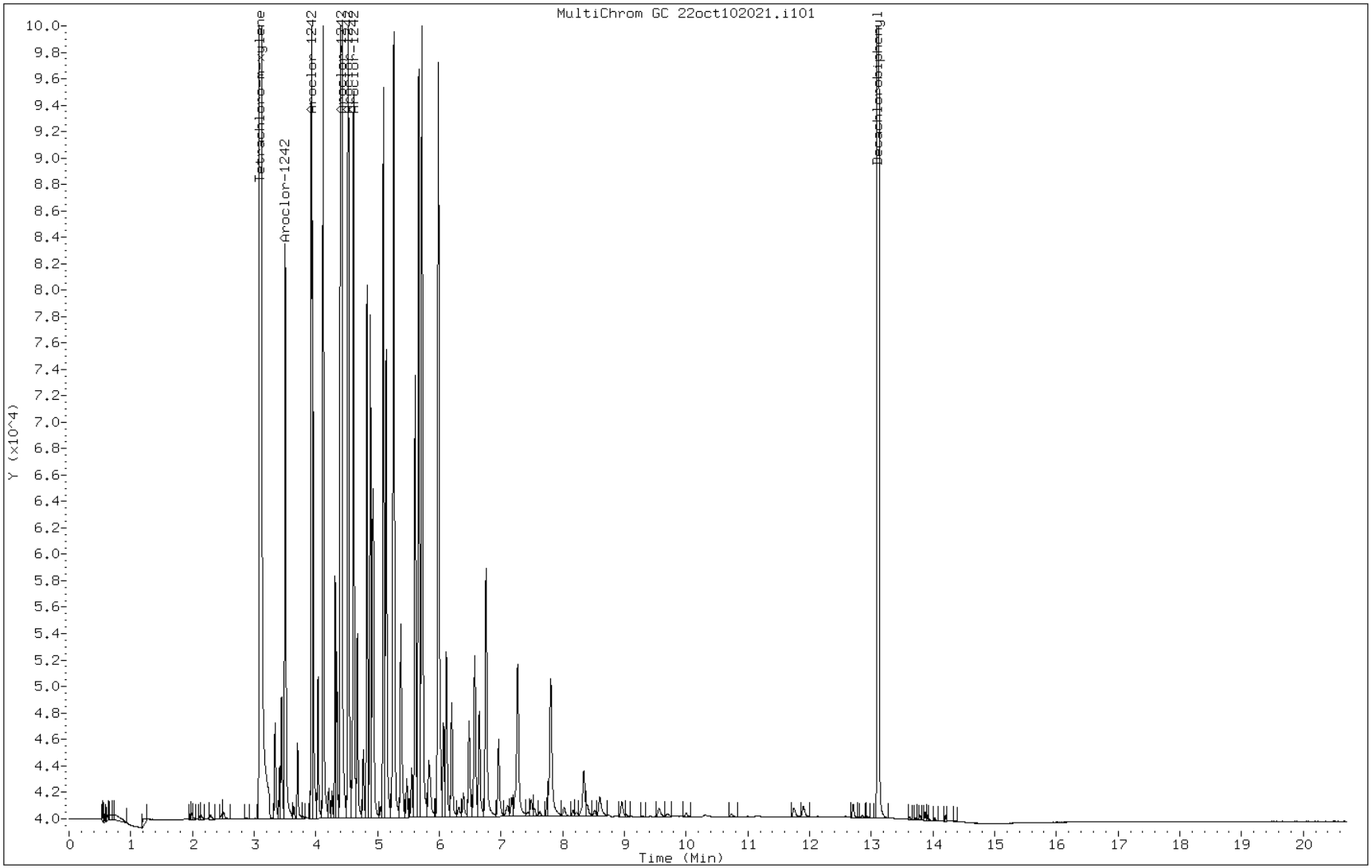
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.099	3.101	-0.002	299500	80.0000	82.33	80.00- 120.00	100.00(A)
4 Aroclor-1242					CAS #: 53469-21-9		
3.502	3.500	0.002	43527	800.000	784.5	80.00- 120.00	100.00(A)
3.928	3.924	0.004	65042	800.000	722.4	76.75- 116.75	149.43
4.411	4.409	0.002	158563	800.000	851.6	25.18- 65.18	364.29
4.524	4.520	0.004	81575	800.000	818.3	28.37- 68.37	187.41
4.611	4.608	0.003	55038	800.000	827.1	25.12- 65.12	126.45
Average of Peak Amounts =					800.8		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.109	13.107	0.002	391518	80.0000	74.03	80.00- 120.00	100.00

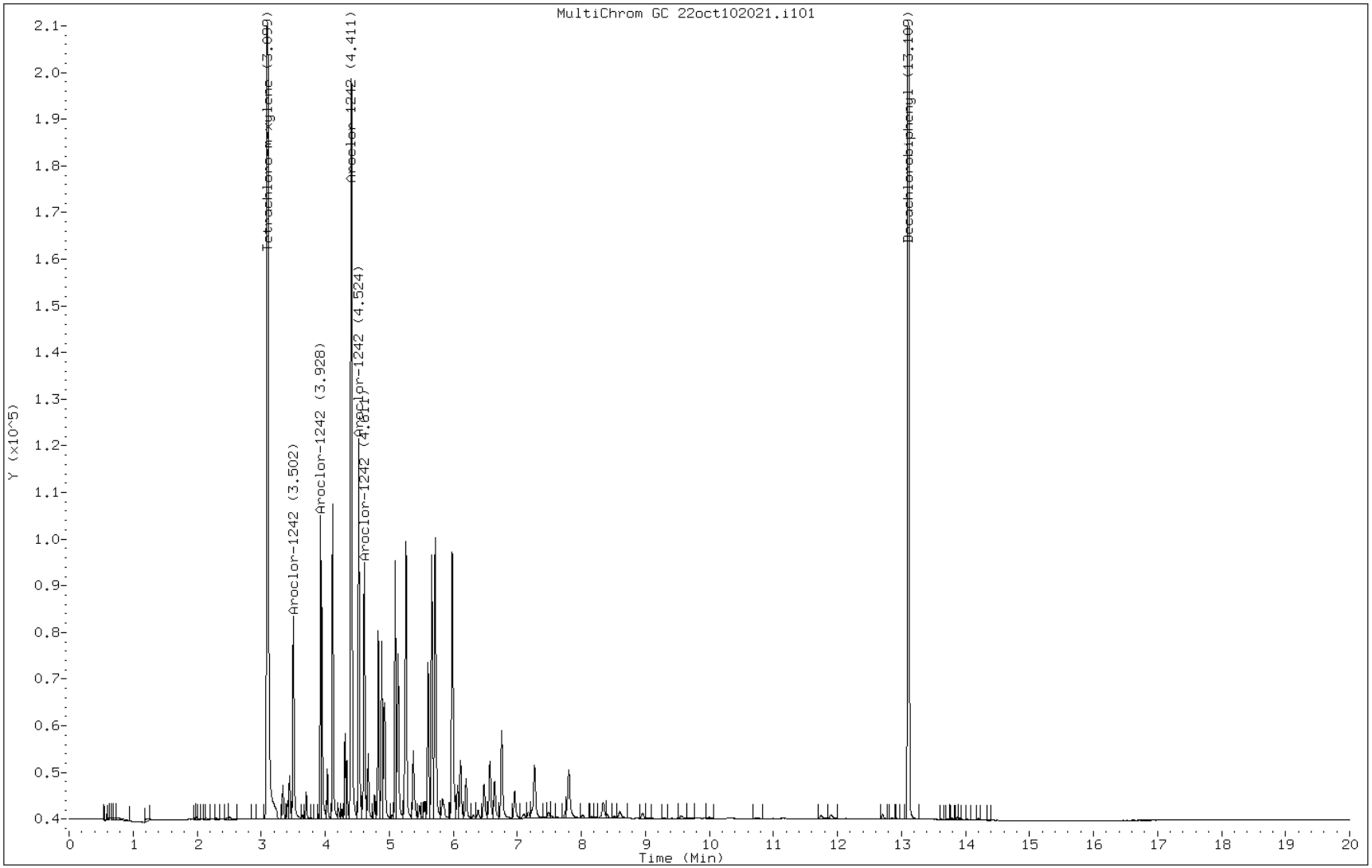
QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File:	22oct102021-r101.d	Date:	23-OCT-2010 00:04
Client ID:	AR1242_800	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-28410,1,AR1242_800		
Lab Sample ID:	IC-28410		



Data File:	22oct102021-r101.d	Date:	23-OCT-2010 00:04
Client ID:	AR1242_800	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-28410,1,AR1242_800		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2010 22:27 Calibration End Date: 10/23/2010 00:04 Calibration ID: 2844

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/6	22oct102021-r061.d
Level 2	IC 200-8378/7	22oct102021-r071.d
Level 3	IC 200-8378/8	22oct102021-r081.d
Level 4	IC 200-8378/9	22oct102021-r091.d
Level 5	IC 200-8378/10	22oct102021-r101.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1242 Peak 1	5.061	5.054	5.047	5.067	5.052						4.997 - 5.097	5.056
PCB-1242 Peak 2	5.378	5.371	5.364	5.384	5.369						5.314 - 5.414	5.373
PCB-1242 Peak 3	5.706	5.697	5.692	5.710	5.697						5.642 - 5.742	5.700
PCB-1242 Peak 4	5.947	5.941	5.934	5.954	5.941						5.884 - 5.984	5.943
PCB-1242 Peak 5	6.162	6.153	6.147	6.167	6.153						6.097 - 6.197	6.157

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2010 22:27 Calibration End Date: 10/23/2010 00:04 Calibration ID: 2844

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-8378/6	AR1242_50	22oct102021-r061.d
Level 2	IC 200-8378/7	AR1242_100	22oct102021-r071.d
Level 3	IC 200-8378/8	AR1242_200	22oct102021-r081.d
Level 4	IC 200-8378/9	AR1242_400	22oct102021-r091.d
Level 5	IC 200-8378/10	AR1242_800	22oct102021-r101.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1242 Peak 1	162.76 116.70	149.66	138.77	126.97	Ave		139				13.1		20.0			
PCB-1242 Peak 2	59.640 45.199	56.820	52.445	48.320	Ave		52				11.3		20.0			
PCB-1242 Peak 3	239.16 188.27	224.25	207.00	192.26	Ave		210				10.2		20.0			
PCB-1242 Peak 4	116.82 86.884	110.44	102.34	91.888	Ave		102				12.3		20.0			
PCB-1242 Peak 5	95.660 72.929	89.430	83.810	76.885	Ave		84				11.0		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/22/2010 22:27 Calibration End Date: 10/23/2010 00:04 Calibration ID: 2844

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/6	22oct102021-r061.d
Level 2	IC 200-8378/7	22oct102021-r071.d
Level 3	IC 200-8378/8	22oct102021-r081.d
Level 4	IC 200-8378/9	22oct102021-r091.d
Level 5	IC 200-8378/10	22oct102021-r101.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Ave	8138	14966	27754	50788	93360	50.0	100	200	400	800
PCB-1242 Peak 2	Ave	2982	5682	10489	19328	36159	50.0	100	200	400	800
PCB-1242 Peak 3	Ave	11958	22425	41399	76904	150618	50.0	100	200	400	800
PCB-1242 Peak 4	Ave	5841	11044	20468	36755	69507	50.0	100	200	400	800
PCB-1242 Peak 5	Ave	4783	8943	16762	30754	58343	50.0	100	200	400	800

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r061.d
Lab Smp Id: IC-28414 Client Smp ID: AR1242_50
Inj Date : 22-OCT-2010 22:27
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-28414,1,AR1242_50
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:46 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 07:20 Cal File: 22oct102021-r281.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

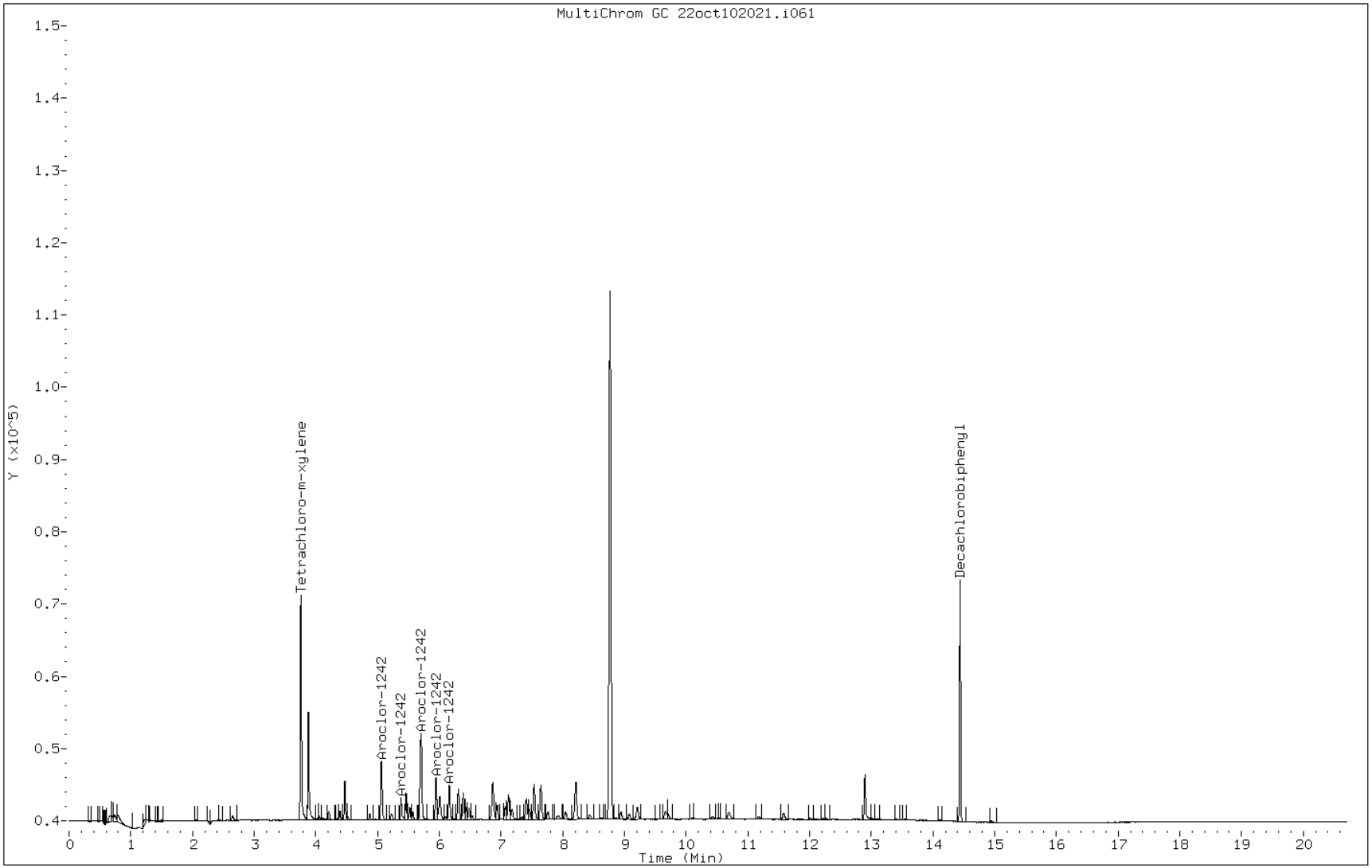
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.757	3.746	0.011	31100	5.00000	5.361	80.00- 120.00	100.00
4 Aroclor-1242					CAS #: 53469-21-9		
5.061	5.047	0.014	8138	50.0000	58.56	80.00- 120.00	100.00
5.378	5.364	0.014	2982	50.0000	56.82	76.75- 116.75	36.64
5.706	5.692	0.014	11958	50.0000	56.89	25.18- 65.18	146.94
5.947	5.934	0.013	5841	50.0000	57.45	28.37- 68.37	71.77
6.162	6.147	0.015	4783	50.0000	57.12	25.12- 65.12	58.77
Average of Peak Amounts =					57.37		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.439	14.426	0.013	33504	5.00000	4.974	80.00- 120.00	100.00(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	22oct102021-r061.d	Date:	22-OCT-2010 22:27
Client ID:	AR1242_50	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-28414,1,AR1242_50		
Lab Sample ID:	IC-28414		



TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r071.d
Lab Smp Id: IC-28413 Client Smp ID: AR1242_100
Inj Date : 22-OCT-2010 22:51
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-28413,1,AR1242_100
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:46 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 07:44 Cal File: 22oct102021-r291.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

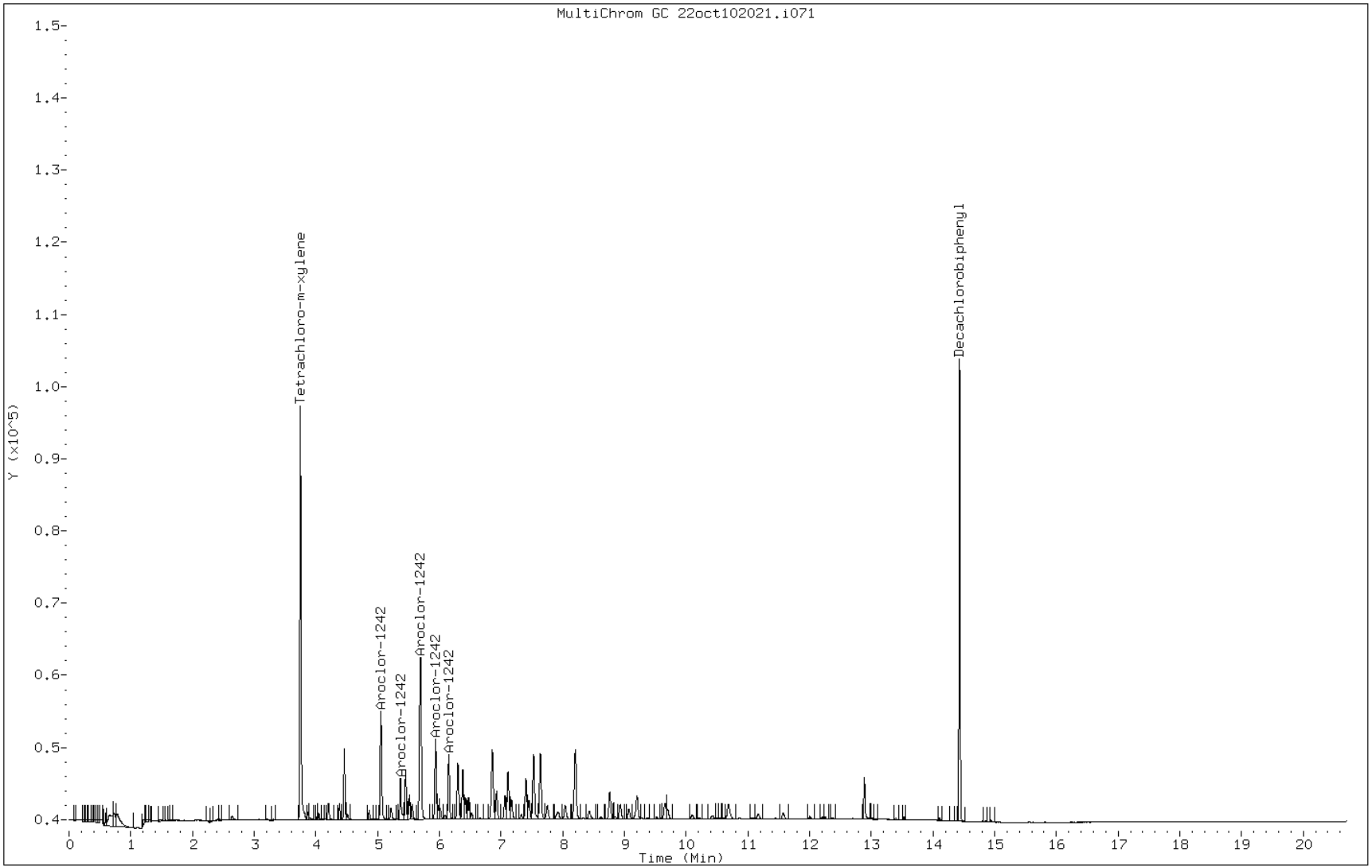
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.748	3.746	0.002	57330	10.0000	9.882	80.00- 120.00	100.00
4 Aroclor-1242					CAS #: 53469-21-9		
5.054	5.047	0.007	14966	100.000	107.7	80.00- 120.00	100.00
5.371	5.364	0.007	5682	100.000	108.3	76.75- 116.75	37.97
5.697	5.692	0.005	22425	100.000	106.7	25.18- 65.18	149.84
5.941	5.934	0.007	11044	100.000	108.6	28.37- 68.37	73.79
6.153	6.147	0.006	8943	100.000	106.8	25.12- 65.12	59.76
Average of Peak Amounts =					107.6		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.431	14.426	0.005	64112	10.0000	9.519	80.00- 120.00	100.00

Data File:	22oct102021-r071.d	Date:	22-OCT-2010 22:51
Client ID:	AR1242_100	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-28413,1,AR1242_100		
Lab Sample ID:	IC-28413		



TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r081.d
Lab Smp Id: IC-28412 Client Smp ID: AR1242_200
Inj Date : 22-OCT-2010 23:15
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-28412,1,AR1242_200
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:46 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:08 Cal File: 22oct102021-r301.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

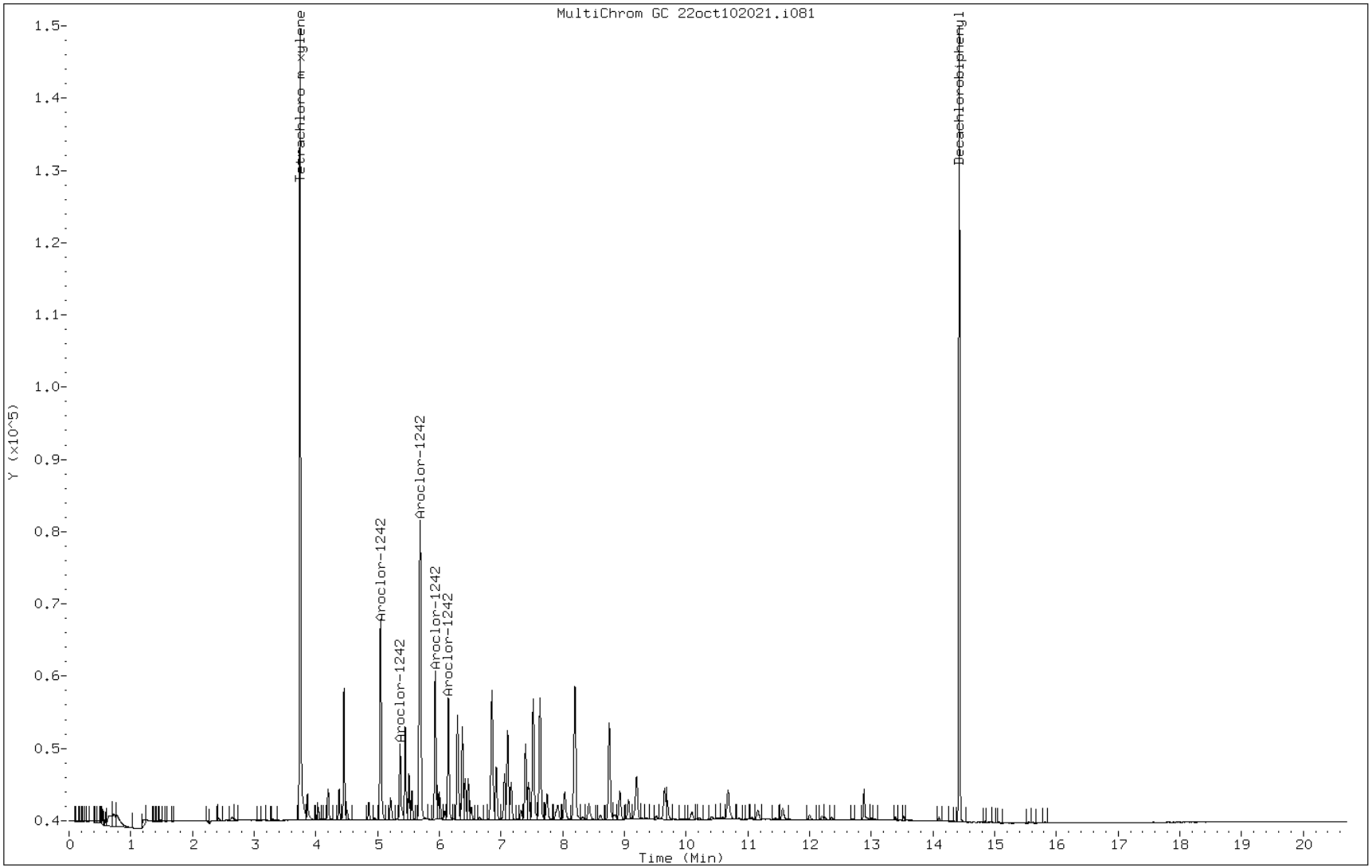
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.744	3.746	-0.002	109533	20.0000	18.88	80.00- 120.00	100.00
4 Aroclor-1242					CAS #: 53469-21-9		
5.047	5.047	0.000	27754	200.000	199.7	80.00- 120.00	100.00(M)
5.364	5.364	0.000	10489	200.000	199.8	76.75- 116.75	37.79
5.692	5.692	0.000	41399	200.000	197.0	25.18- 65.18	149.16
5.934	5.934	0.000	20468	200.000	201.3	28.37- 68.37	73.75
6.147	6.147	0.000	16762	200.000	200.2	25.12- 65.12	60.39
Average of Peak Amounts =					199.6		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.424	14.426	-0.002	120340	20.0000	17.87	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File:	22oct102021-r081.d	Date:	22-OCT-2010 23:15
Client ID:	AR1242_200	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-28412,1,AR1242_200		
Lab Sample ID:	IC-28412		



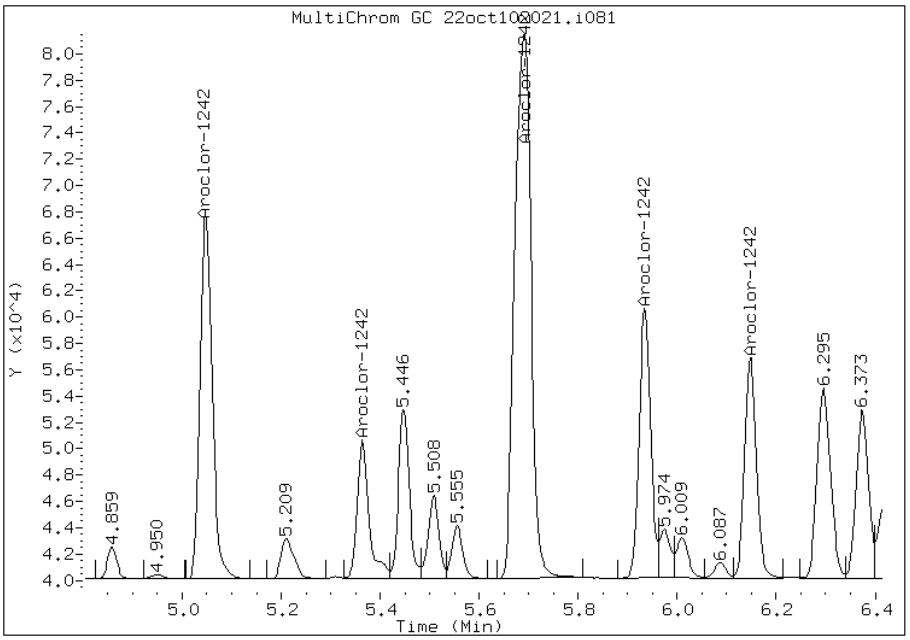
Manual Integration Report

Data File: 22oct102021-r081.d
Inj. Date and Time: 22-OCT-2010 23:15
Instrument ID: 7227_2.i
Client ID: AR1242_200
Compound: 4 Aroclor-1242
CAS #: 53469-21-9
Report Date: 10/26/2010

Processing Integration Results

RT	Response	Conc
5.05	27747*	0.00
5.36	10489	0.00
5.69	41399	0.00
5.93	20468	0.00
6.15	16762	0.00

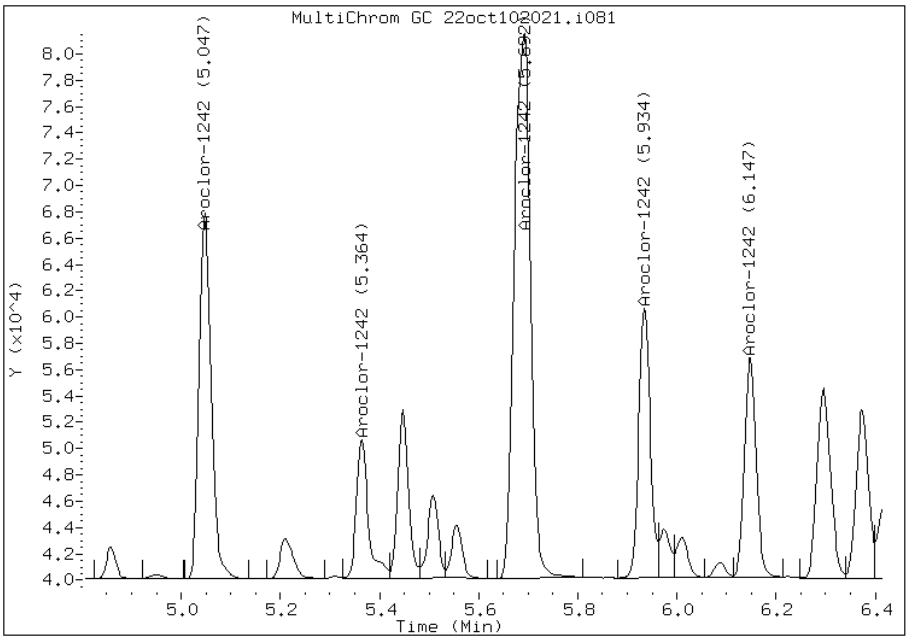
Final Conc		0.00



Manual Integration Results

RT	Response	Conc
5.05	27754*	199.71
5.36	10489	199.85
5.69	41399	196.96
5.93	20468	201.31
6.15	16762	200.16

Final Conc		199.60



File Uploaded By: lmt
Manual Integration Reason: Baseline event

TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r091.d
Lab Smp Id: IC-28411 Client Smp ID: AR1242_400
Inj Date : 22-OCT-2010 23:39
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-28411,1,AR1242_400
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:46 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:32 Cal File: 22oct102021-r311.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

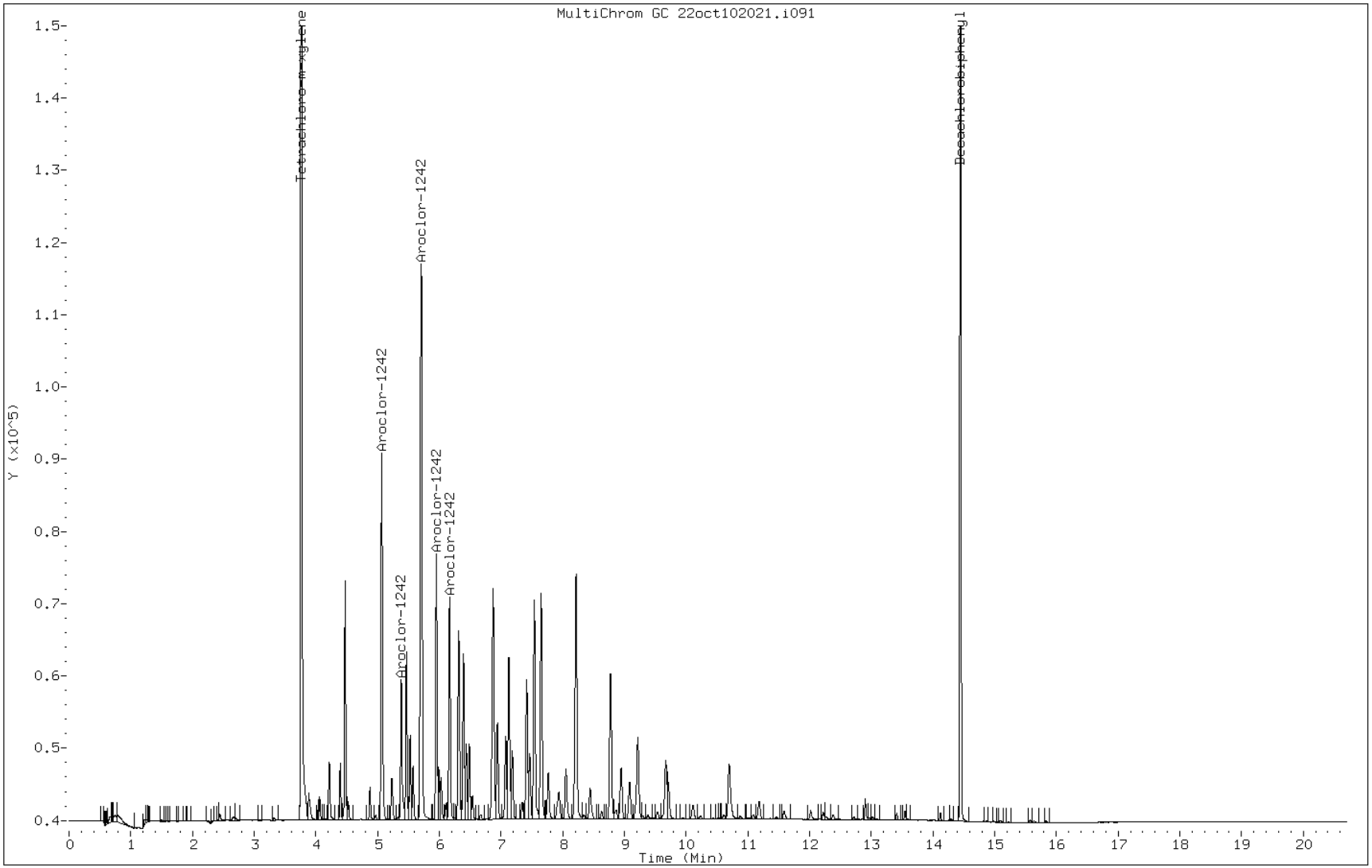
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.762	3.746	0.016	218950	40.0000	37.74	80.00- 120.00	100.00
4 Aroclor-1242					CAS #: 53469-21-9		
5.067	5.047	0.020	50788	400.000	365.5	80.00- 120.00	100.00
5.384	5.364	0.020	19328	400.000	368.3	76.75- 116.75	38.06
5.710	5.692	0.018	76904	400.000	365.9	25.18- 65.18	151.42
5.954	5.934	0.020	36755	400.000	361.5	28.37- 68.37	72.37
6.167	6.147	0.020	30754	400.000	367.2	25.12- 65.12	60.55
Average of Peak Amounts =					365.7		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.444	14.426	0.018	236308	40.0000	35.09	80.00- 120.00	100.00

Data File:	22oct102021-r091.d	Date:	22-OCT-2010 23:39
Client ID:	AR1242_400	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-28411,1,AR1242_400		
Lab Sample ID:	IC-28411		



TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r101.d
Lab Smp Id: IC-28410 Client Smp ID: AR1242_800
Inj Date : 23-OCT-2010 00:04
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-28410,1,AR1242_800
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:46 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

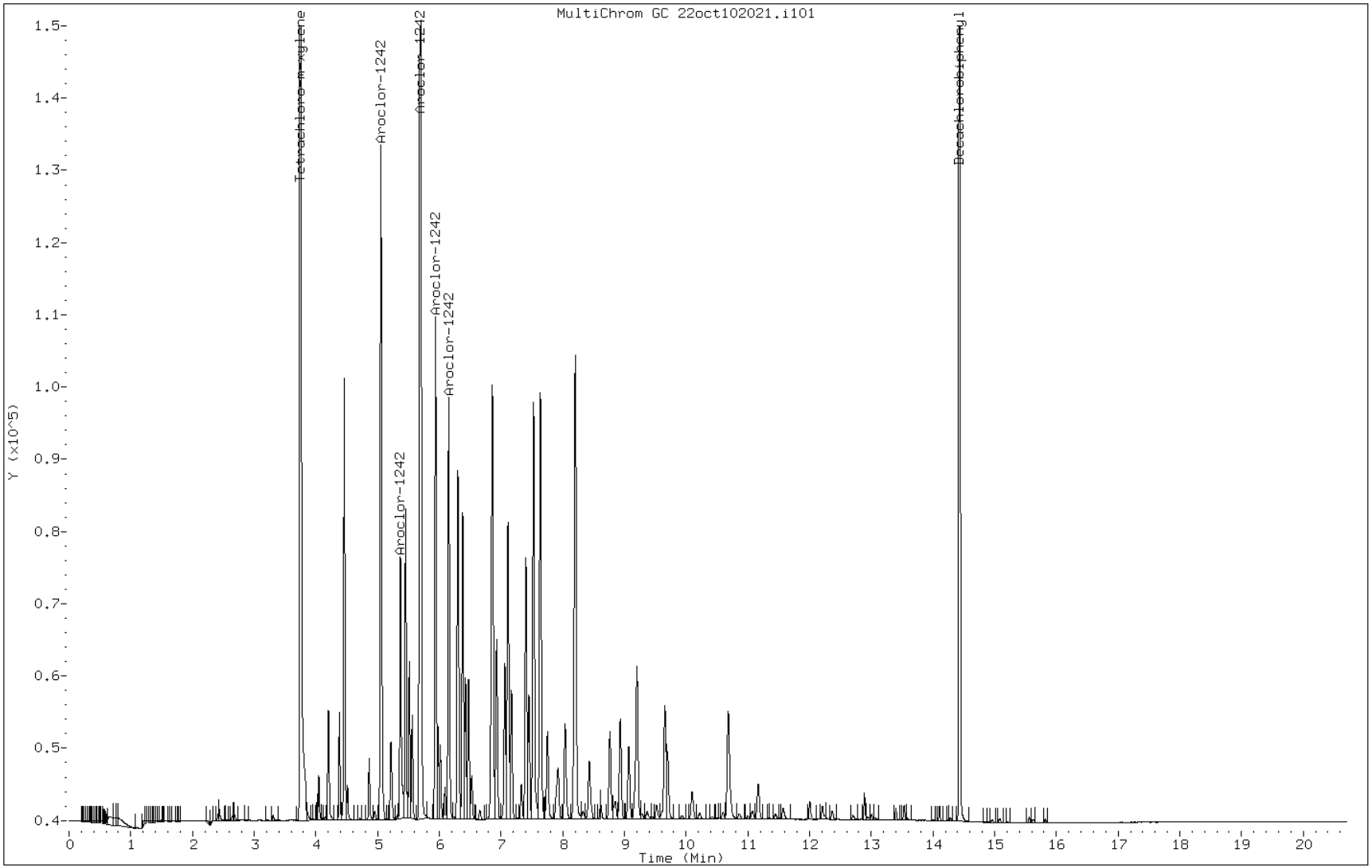
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.748	3.746	0.002	443229	80.0000	76.40	80.00- 120.00	100.00
4 Aroclor-1242					CAS #: 53469-21-9		
5.052	5.047	0.005	93360	800.000	671.8	80.00- 120.00	100.00
5.369	5.364	0.005	36159	800.000	688.9	76.75- 116.75	38.73
5.697	5.692	0.005	150618	800.000	716.6	25.18- 65.18	161.33
5.941	5.934	0.007	69507	800.000	683.6	28.37- 68.37	74.45
6.153	6.147	0.006	58343	800.000	696.7	25.12- 65.12	62.49
Average of Peak Amounts =					691.5		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.431	14.426	0.005	491941	80.0000	73.04	80.00- 120.00	100.00

Data File:	22oct102021-r101.d	Date:	23-OCT-2010 00:04
Client ID:	AR1242_800	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-28410,1,AR1242_800		
Lab Sample ID:	IC-28410		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 00:28 Calibration End Date: 10/23/2010 02:05 Calibration ID: 2837

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/11	22oct102021-r111.d
Level 2	IC 200-8378/12	22oct102021-r121.d
Level 3	IC 200-8378/13	22oct102021-r131.d
Level 4	IC 200-8378/14	22oct102021-r141.d
Level 5	IC 200-8378/15	22oct102021-r151.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1248 Peak 1	4.119	4.116	4.121	4.119	4.119						4.071 - 4.171	4.119
PCB-1248 Peak 2	4.416	4.413	4.416	4.411	4.413						4.366 - 4.466	4.414
PCB-1248 Peak 3	4.529	4.526	4.531	4.526	4.526						4.481 - 4.581	4.528
PCB-1248 Peak 4	5.140	5.138	5.143	5.138	5.140						5.093 - 5.193	5.140
PCB-1248 Peak 5	5.613	5.608	5.613	5.606	5.608						5.563 - 5.663	5.609

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 00:28 Calibration End Date: 10/23/2010 02:05 Calibration ID: 2837

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-8378/11	AR1248_50	22oct102021-r111.d
Level 2	IC 200-8378/12	AR1248_100	22oct102021-r121.d
Level 3	IC 200-8378/13	AR1248_200	22oct102021-r131.d
Level 4	IC 200-8378/14	AR1248_400	22oct102021-r141.d
Level 5	IC 200-8378/15	AR1248_800	22oct102021-r151.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1248 Peak 1	39.380 35.791	39.810	39.620	36.348	Ave		38				5.1		20.0			
PCB-1248 Peak 2	106.48 113.71	107.08	107.29	108.46	Ave		109				2.7		20.0			
PCB-1248 Peak 3	53.940 47.889	52.400	51.115	48.633	Ave		51				5.0		20.0			
PCB-1248 Peak 4	51.740 48.728	52.300	50.720	48.055	Ave		50				3.7		20.0			
PCB-1248 Peak 5	68.380 72.316	70.660	70.250	69.213	Ave		70				2.1		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 00:28 Calibration End Date: 10/23/2010 02:05 Calibration ID: 2837

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/11	22oct102021-r111.d
Level 2	IC 200-8378/12	22oct102021-r121.d
Level 3	IC 200-8378/13	22oct102021-r131.d
Level 4	IC 200-8378/14	22oct102021-r141.d
Level 5	IC 200-8378/15	22oct102021-r151.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Ave	1969	3981	7924	14539	28633	50.0	100	200	400	800
PCB-1248 Peak 2	Ave	5324	10708	21457	43385	90968	50.0	100	200	400	800
PCB-1248 Peak 3	Ave	2697	5240	10223	19453	38311	50.0	100	200	400	800
PCB-1248 Peak 4	Ave	2587	5230	10144	19222	38982	50.0	100	200	400	800
PCB-1248 Peak 5	Ave	3419	7066	14050	27685	57853	50.0	100	200	400	800

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r111.d
Lab Smp Id: IC-30254 Client Smp ID: AR1248_50
Inj Date : 23-OCT-2010 00:28
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-30254,1,AR1248_50
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

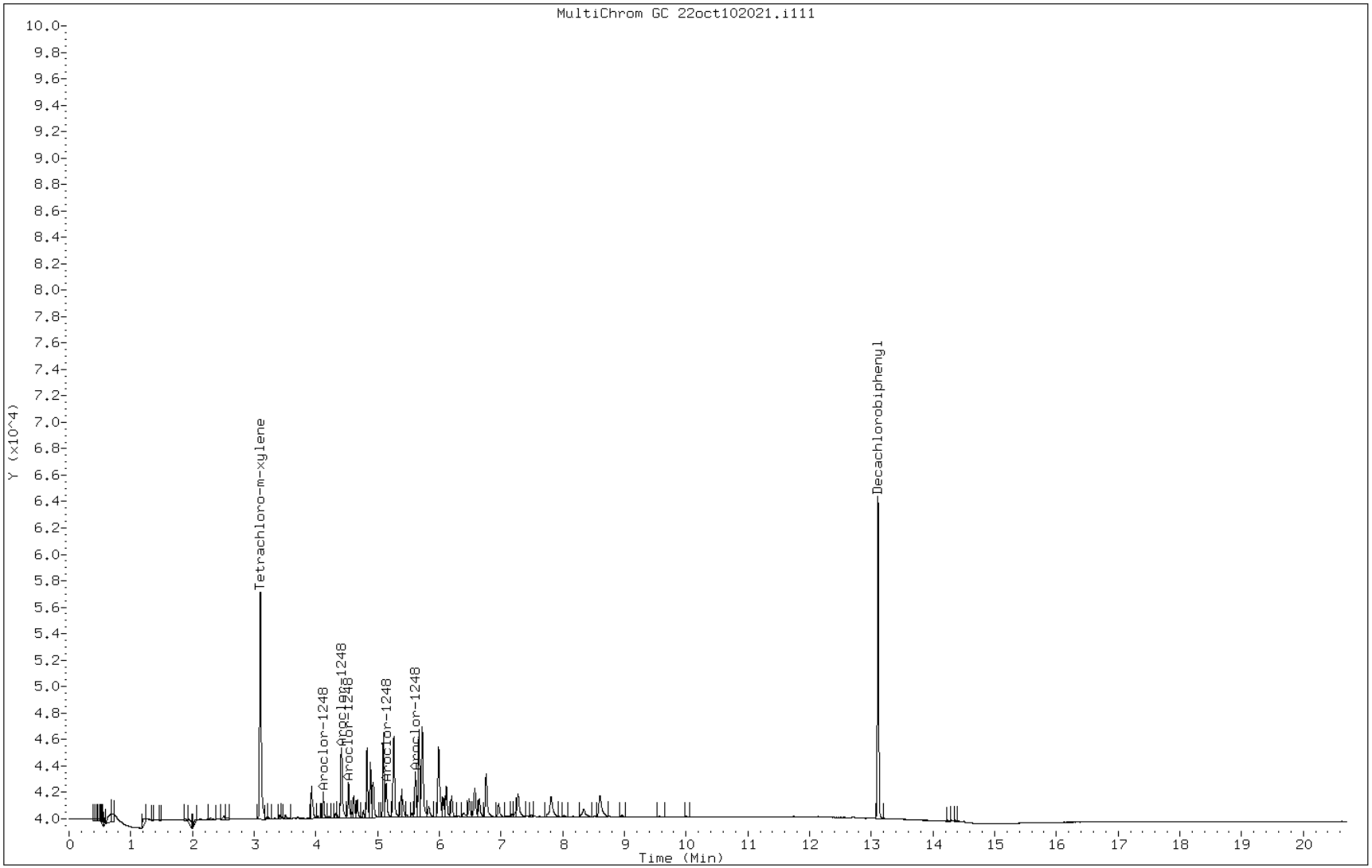
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.099	3.101	-0.002	17194	5.00000	4.727	80.00- 120.00	100.00(a)
5 Aroclor-1248					CAS #: 12672-29-6		
4.119	4.121	-0.002	1969	50.0000	51.56	80.00- 120.00	100.00
4.416	4.416	0.000	5324	50.0000	49.02	76.66- 116.66	270.39
4.529	4.531	-0.002	2697	50.0000	53.10	78.35- 118.35	136.97
5.140	5.143	-0.003	2587	50.0000	51.42	83.94- 123.94	131.39
5.613	5.613	0.000	3419	50.0000	48.73	53.70- 93.70	173.64
Average of Peak Amounts =					50.77		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.109	13.107	0.002	24352	5.00000	4.605	80.00- 120.00	100.00(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	22oct102021-r111.d	Date:	23-OCT-2010 00:28
Client ID:	AR1248_50	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30254,1,AR1248_50		
Lab Sample ID:	IC-30254		



TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r121.d
Lab Smp Id: IC-28418 Client Smp ID: AR1248_100
Inj Date : 23-OCT-2010 00:52
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-28418,1,AR1248_100
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

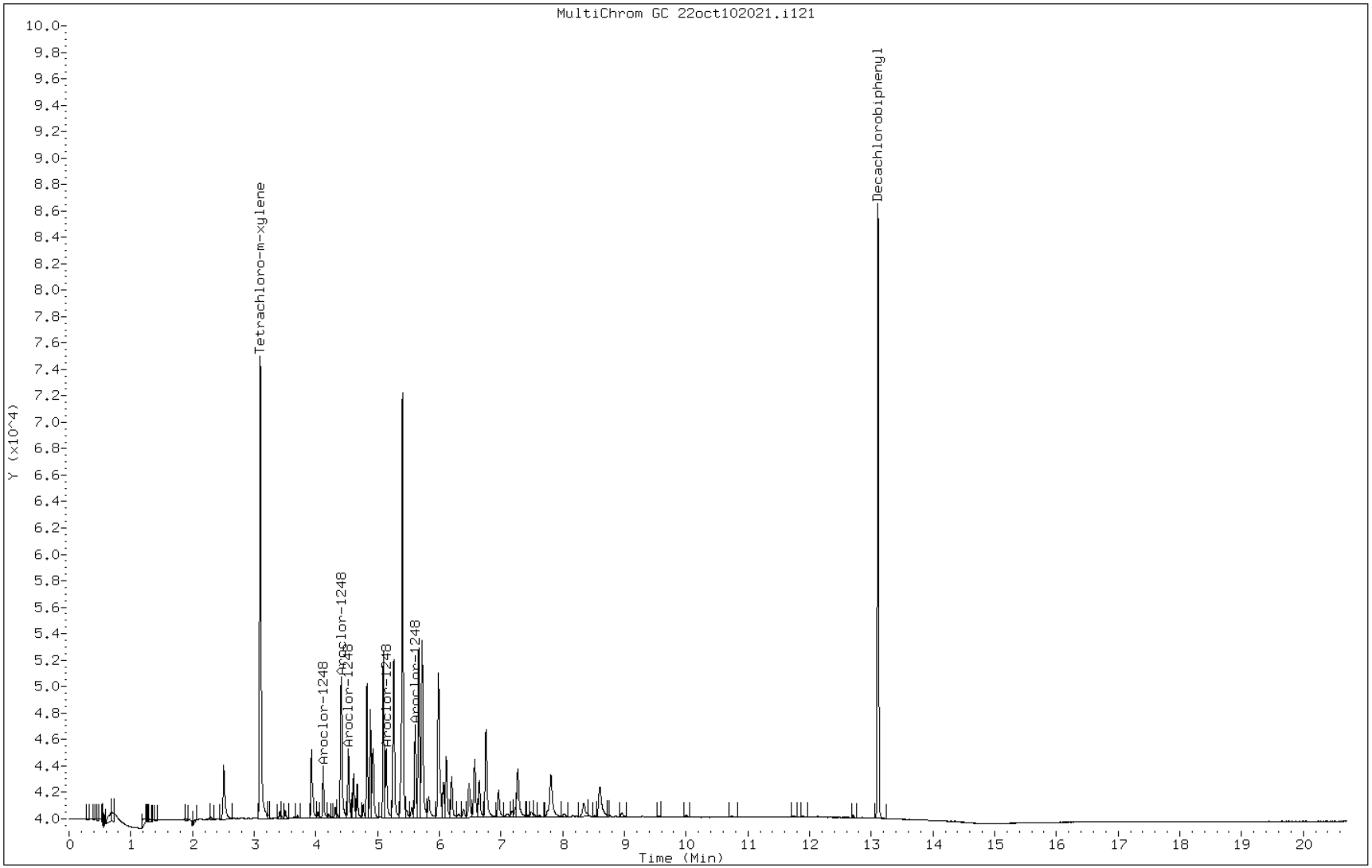
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.099	3.101	-0.002	35001	10.0000	9.622	80.00- 120.00	100.00
5 Aroclor-1248					CAS #: 12672-29-6		
4.116	4.121	-0.005	3981	100.000	104.2	80.00- 120.00	100.00
4.413	4.416	-0.003	10708	100.000	98.60	76.66- 116.66	268.98
4.526	4.531	-0.005	5240	100.000	103.2	78.35- 118.35	131.63
5.138	5.143	-0.005	5230	100.000	104.0	83.94- 123.94	131.37
5.608	5.613	-0.005	7066	100.000	100.7	53.70- 93.70	177.49
Average of Peak Amounts =					102.1		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.109	13.107	0.002	46513	10.0000	8.795	80.00- 120.00	100.00

Data File:	22oct102021-r121.d	Date:	23-OCT-2010 00:52
Client ID:	AR1248_100	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-28418,1,AR1248_100		
Lab Sample ID:	IC-28418		



TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r131.d
Lab Smp Id: IC-28417 Client Smp ID: AR1248_200
Inj Date : 23-OCT-2010 01:16
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-28417,1,AR1248_200
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

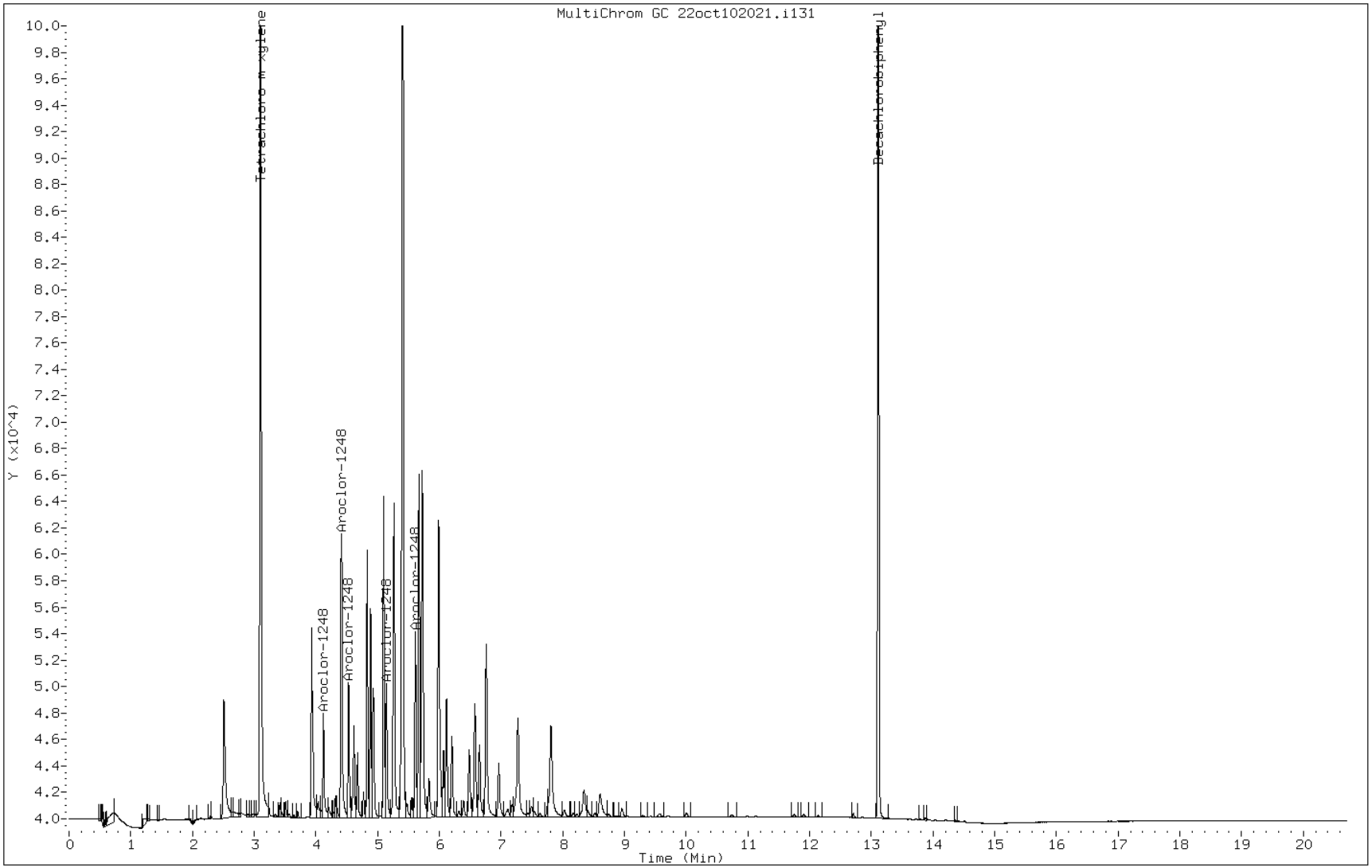
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

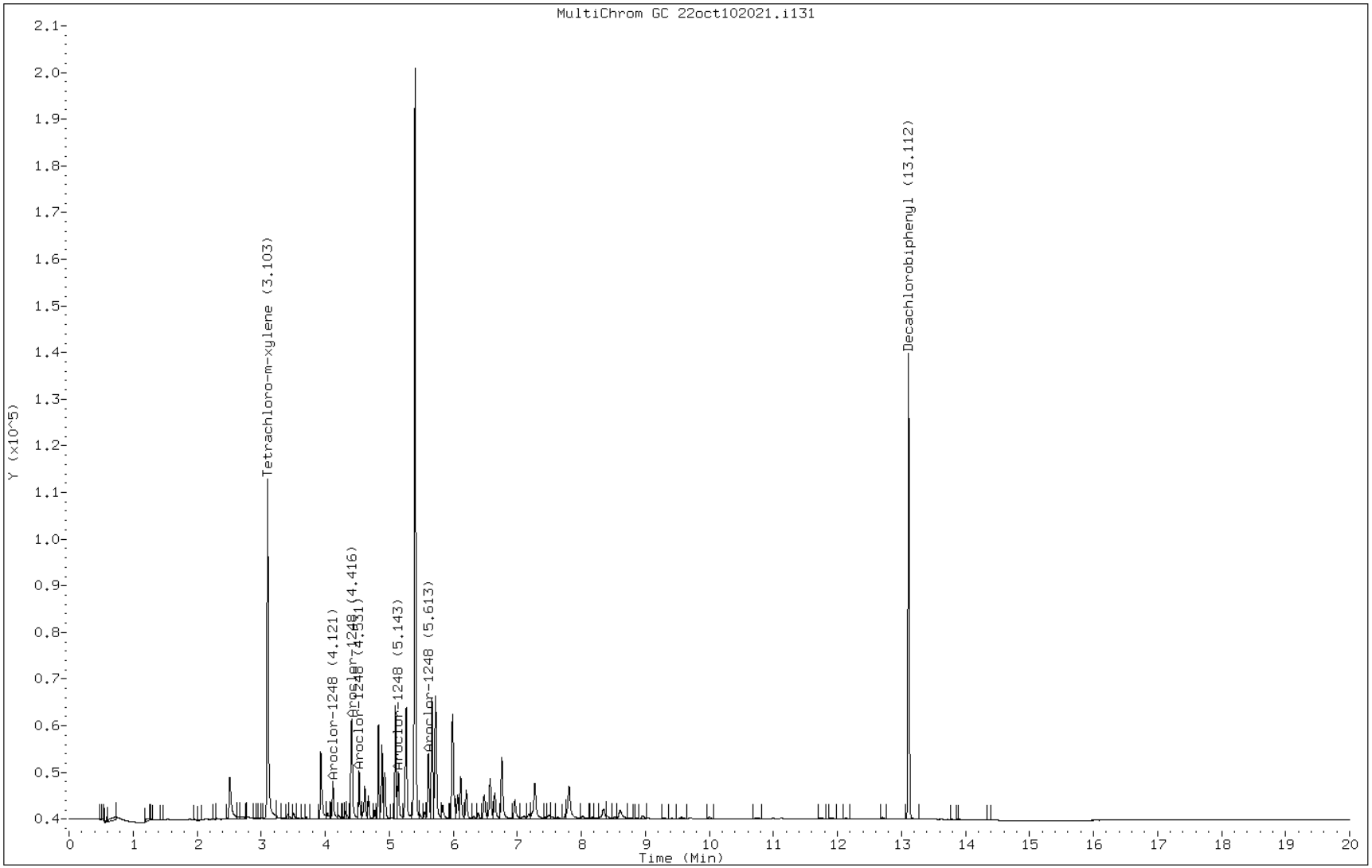
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.103	3.101	0.002	72802	20.0000	20.01	80.00- 120.00	100.00
5 Aroclor-1248					CAS #: 12672-29-6		
4.121	4.121	0.000	7924	200.000	207.5	80.00- 120.00	100.00
4.416	4.416	0.000	21457	200.000	197.6	76.66- 116.66	270.78
4.531	4.531	0.000	10223	200.000	201.3	78.35- 118.35	129.01
5.143	5.143	0.000	10144	200.000	201.6	83.94- 123.94	128.02
5.613	5.613	0.000	14050	200.000	200.2	53.70- 93.70	177.31
Average of Peak Amounts =					201.6		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.112	13.107	0.005	99751	20.0000	18.86	80.00- 120.00	100.00

Data File:	22oct102021-r131.d	Date:	23-OCT-2010 01:16
Client ID:	AR1248_200	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-28417,1,AR1248_200		
Lab Sample ID:	IC-28417		



Data File:	22oct102021-r131.d	Date:	23-OCT-2010 01:16
Client ID:	AR1248_200	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-28417,1,AR1248_200		



TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r141.d
Lab Smp Id: IC-28416 Client Smp ID: AR1248_400
Inj Date : 23-OCT-2010 01:40
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-28416,1,AR1248_400
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

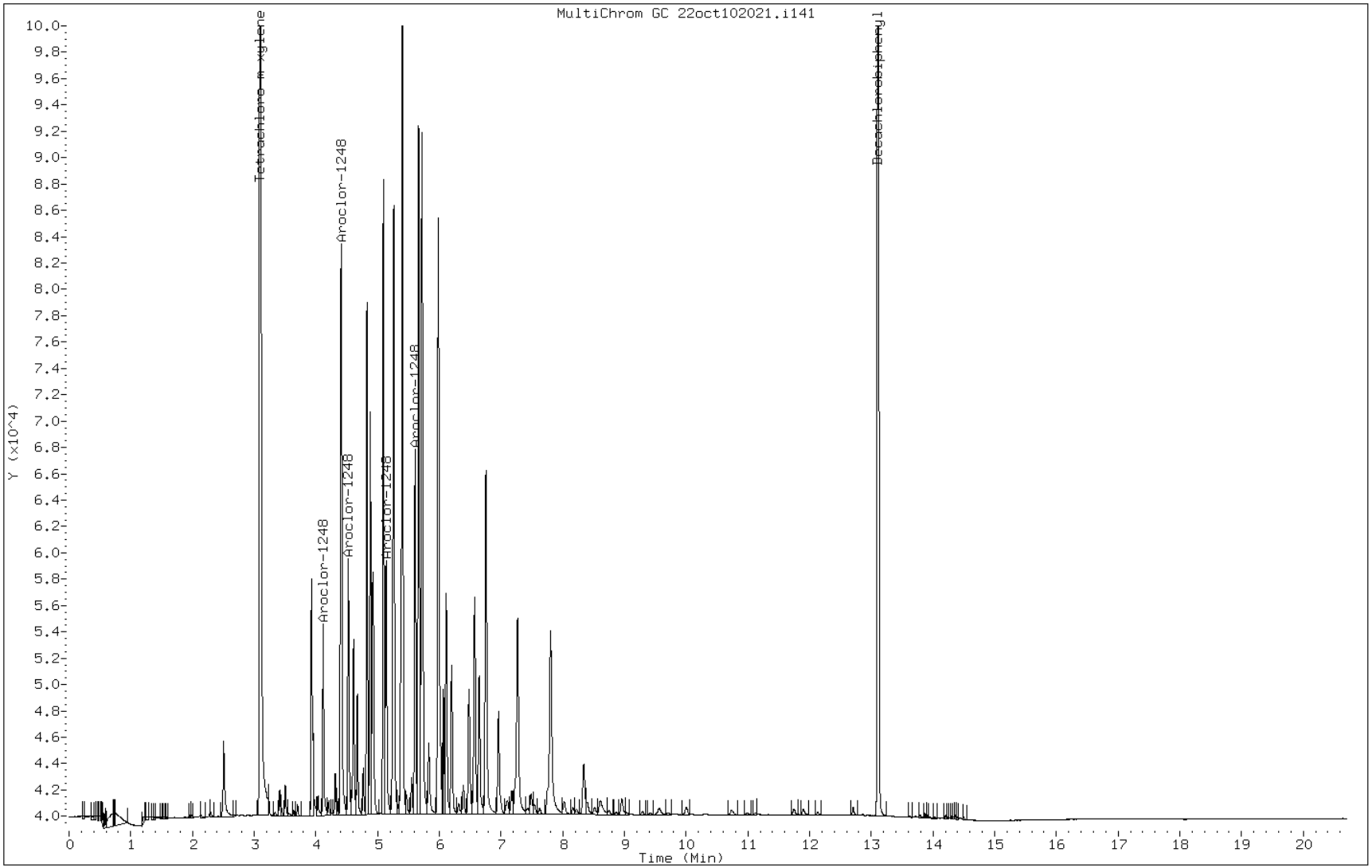
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.099	3.101	-0.002	144079	40.0000	39.61	80.00- 120.00	100.00
5 Aroclor-1248					CAS #: 12672-29-6		
4.119	4.121	-0.002	14539	400.000	380.7	80.00- 120.00	100.00(M)
4.411	4.416	-0.005	43385	400.000	399.5	76.66- 116.66	298.40
4.526	4.531	-0.005	19453	400.000	383.0	78.35- 118.35	133.80
5.138	5.143	-0.005	19222	400.000	382.1	83.94- 123.94	132.21
5.606	5.613	-0.007	27685	400.000	394.6	53.70- 93.70	190.42
Average of Peak Amounts =					388		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.109	13.107	0.002	203652	40.0000	38.51	80.00- 120.00	100.00

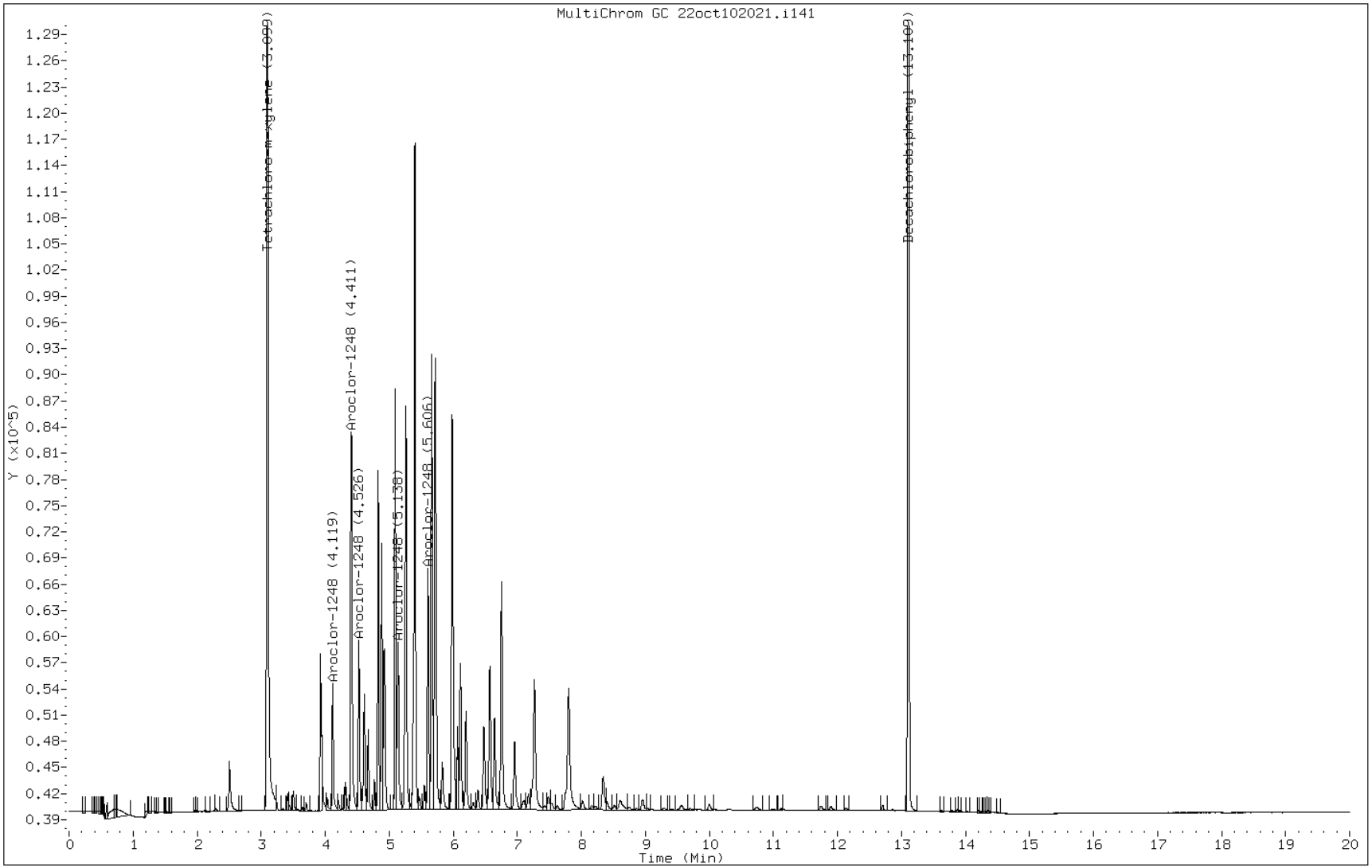
QC Flag Legend

M - Compound response manually integrated.

Data File:	22oct102021-r141.d	Date:	23-OCT-2010 01:40
Client ID:	AR1248_400	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-28416,1,AR1248_400		
Lab Sample ID:	IC-28416		



Data File:	22oct102021-r141.d	Date:	23-OCT-2010 01:40
Client ID:	AR1248_400	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-28416,1,AR1248_400		



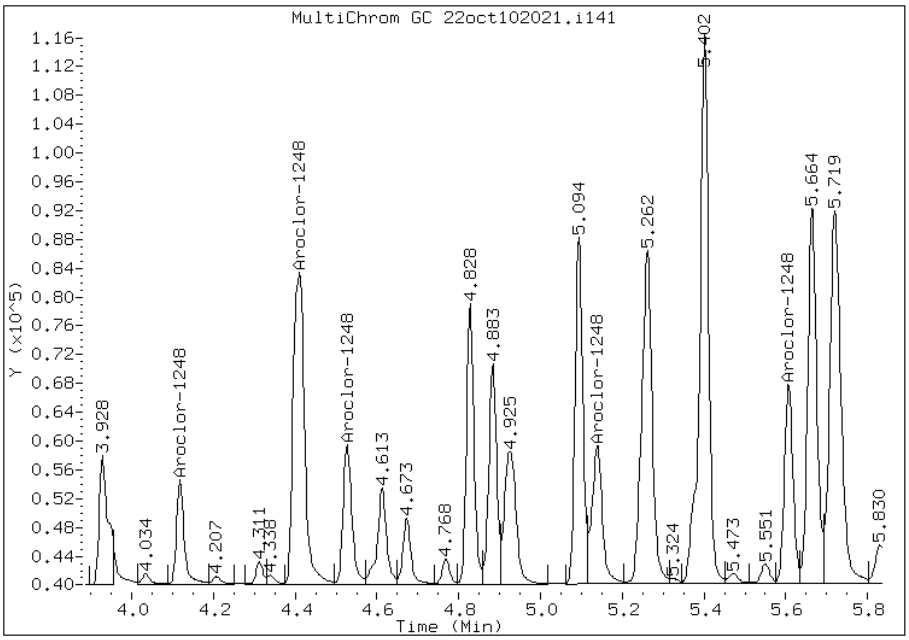
Manual Integration Report

Data File: 22oct102021-r141.d
Inj. Date and Time: 23-OCT-2010 01:40
Instrument ID: 7227_1.i
Client ID: AR1248_400
Compound: 5 Aroclor-1248
CAS #: 12672-29-6
Report Date: 10/26/2010

Processing Integration Results

RT	Response	Conc
4.12	14384*	374.75
4.41	43232*	403.23
4.53	19300*	374.54
5.14	19102*	377.52
5.61	27575*	397.76

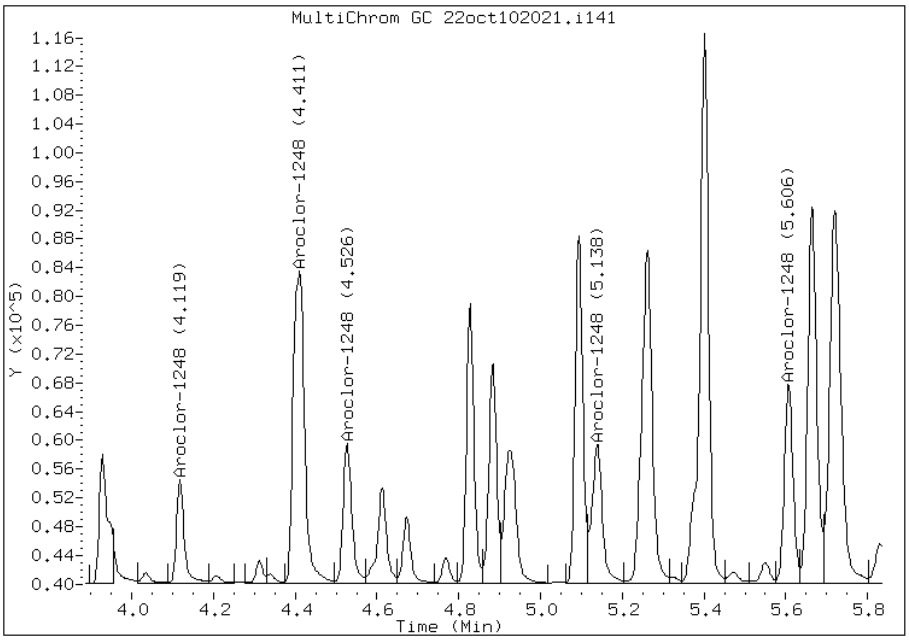
Final Conc		385.60



Manual Integration Results

RT	Response	Conc
4.12	14539*	380.70
4.41	43385*	399.48
4.53	19453*	382.97
5.14	19222*	382.08
5.61	27685*	394.58

Final Conc		388.00



File Uploaded By: lmt
Manual Integration Reason: Baseline event

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r151.d
Lab Smp Id: IC-28415 Client Smp ID: AR1248_800
Inj Date : 23-OCT-2010 02:05
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-28415,1,AR1248_800
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

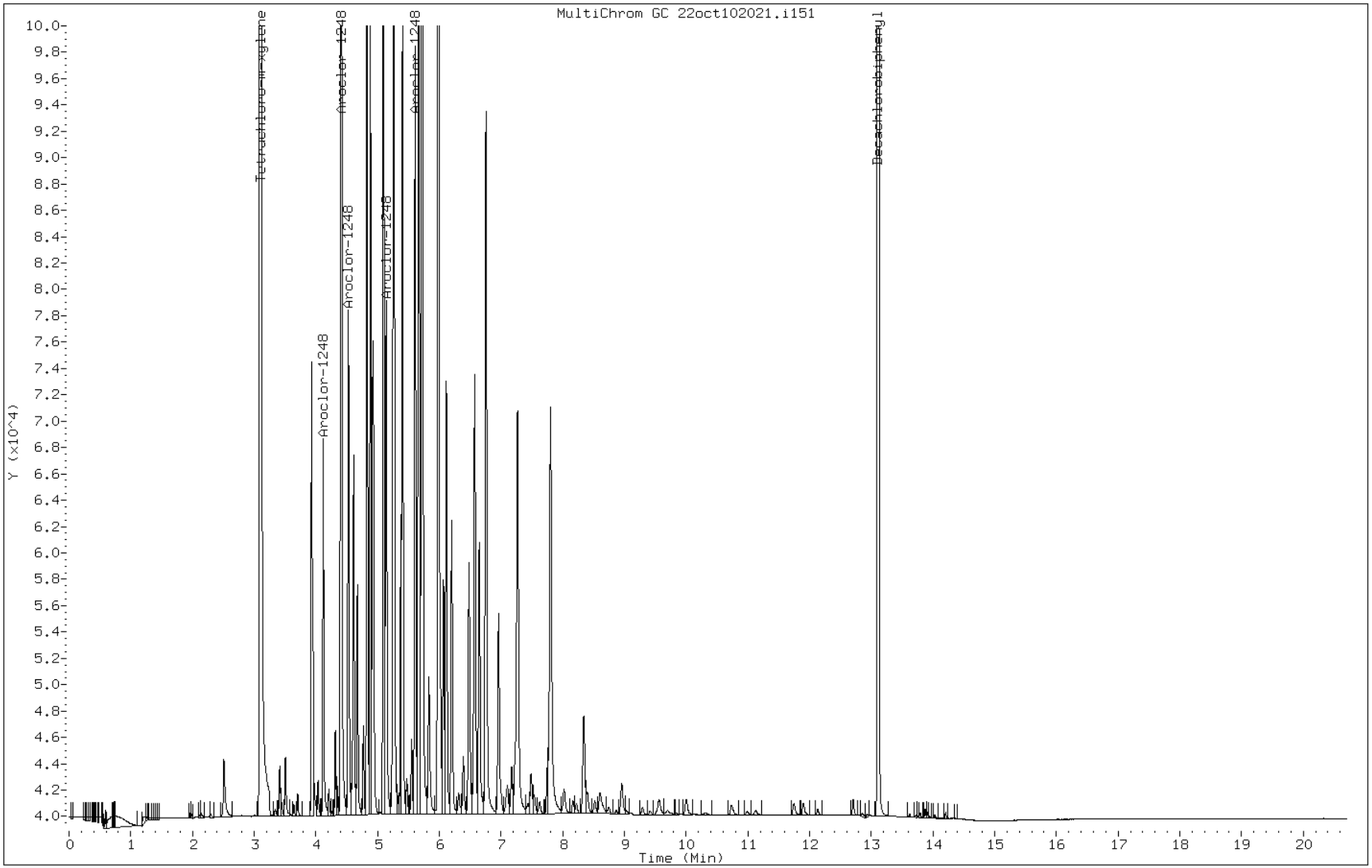
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)		
RT	EXP RT	DLT RT	RESPONSE			TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.101	3.101	0.000	299545	80.0000	82.34	80.00- 120.00	100.00(A)
5 Aroclor-1248					CAS #: 12672-29-6		
4.119	4.121	-0.002	28633	800.000	749.8	80.00- 120.00	100.00(M)
4.413	4.416	-0.003	90968	800.000	837.6	76.66- 116.66	317.70
4.526	4.531	-0.005	38311	800.000	754.2	78.35- 118.35	133.80
5.140	5.143	-0.003	38982	800.000	774.9	83.94- 123.94	136.14
5.608	5.613	-0.005	57853	800.000	824.5	53.70- 93.70	202.05
Average of Peak Amounts =					788.2		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.109	13.107	0.002	420002	80.0000	79.42	80.00- 120.00	100.00

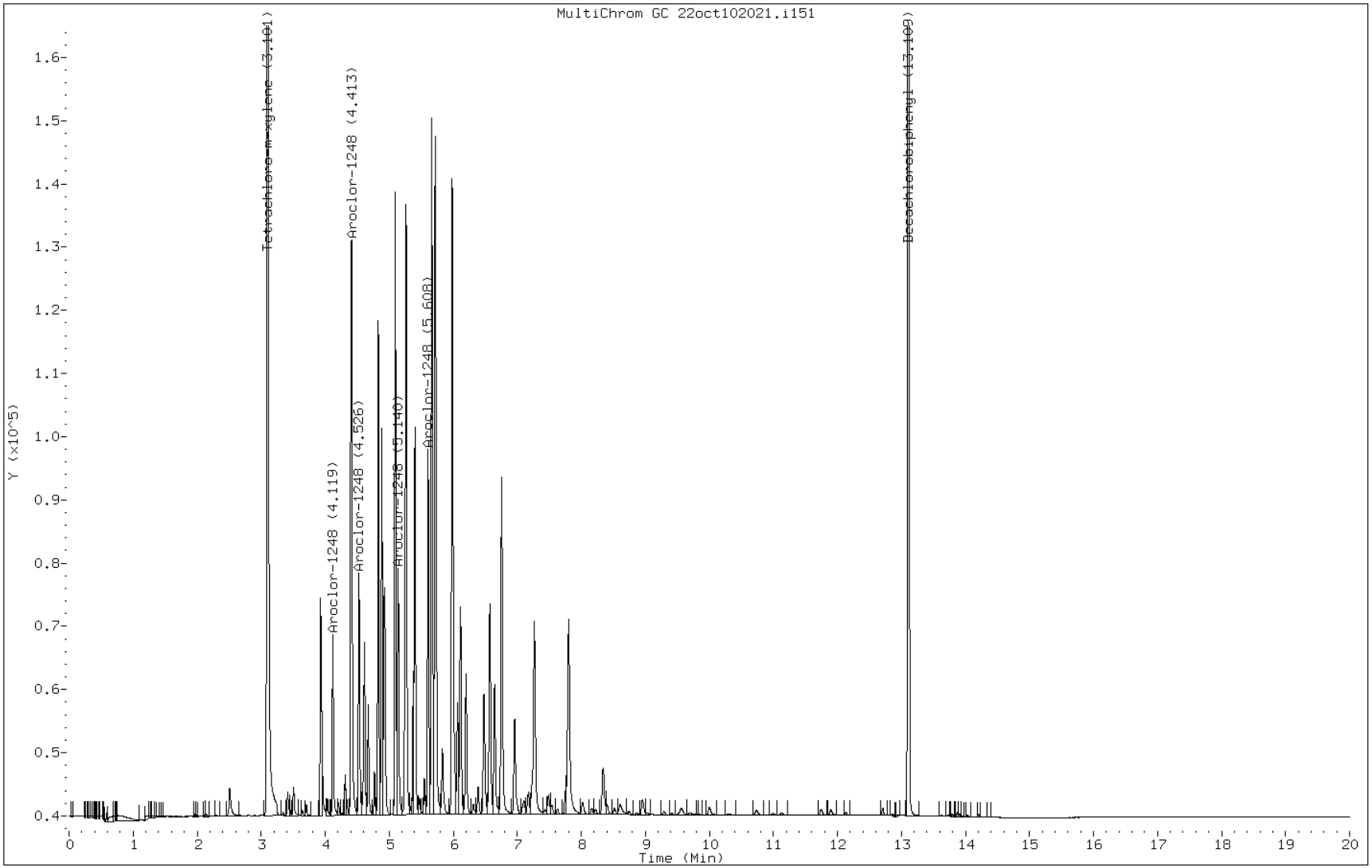
QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.

Data File:	22oct102021-r151.d	Date:	23-OCT-2010 02:05
Client ID:	AR1248_800	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-28415,1,AR1248_800		
Lab Sample ID:	IC-28415		



Data File:	22oct102021-r151.d	Date:	23-OCT-2010 02:05
Client ID:	AR1248_800	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-28415,1,AR1248_800		



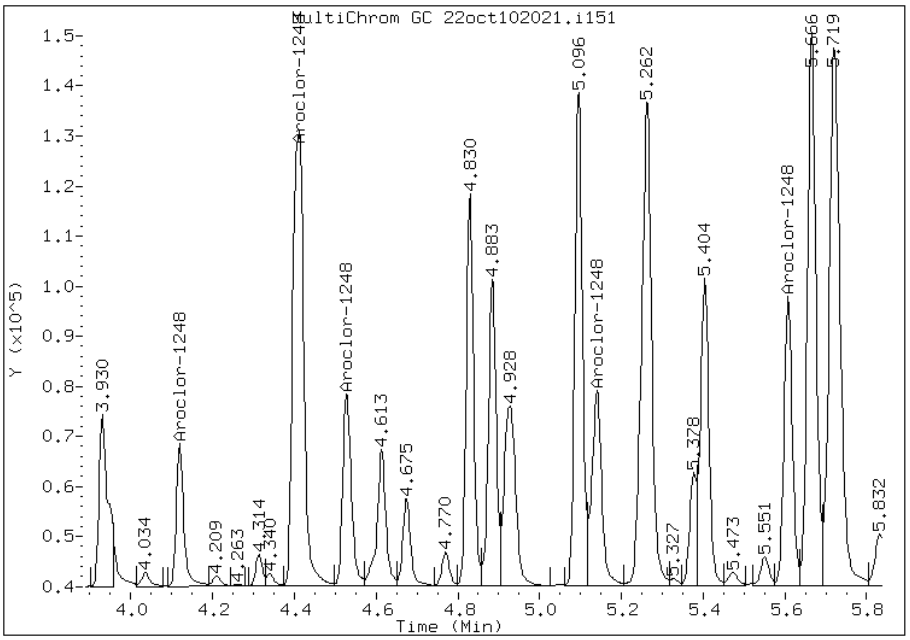
Manual Integration Report

Data File: 22oct102021-r151.d
Inj. Date and Time: 23-OCT-2010 02:05
Instrument ID: 7227_1.i
Client ID: AR1248_800
Compound: 5 Aroclor-1248
CAS #: 12672-29-6
Report Date: 10/26/2010

Processing Integration Results

RT	Response	Conc
4.12	28381*	751.75
4.41	90644*	832.88
4.53	37969*	750.25
5.14	38756*	773.03
5.61	57666*	822.82

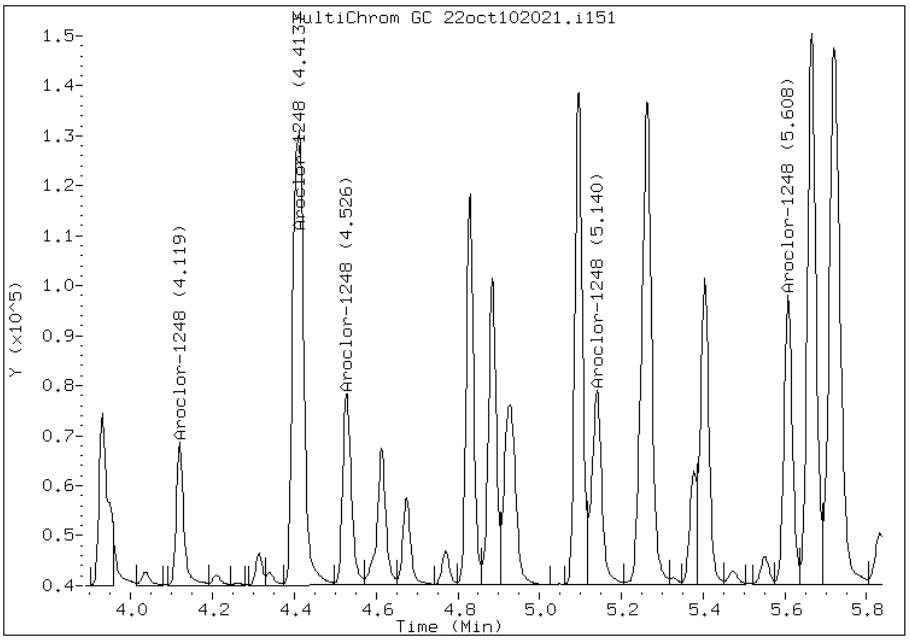
Final Conc		786.10



Manual Integration Results

RT	Response	Conc
4.12	28633*	749.76
4.41	90968*	837.62
4.53	38311*	754.22
5.14	38982*	774.86
5.61	57853*	824.54

Final Conc		788.20



File Uploaded By: lmt
Manual Integration Reason: Baseline event

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 00:28 Calibration End Date: 10/23/2010 02:05 Calibration ID: 2845

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/11	22oct102021-r111.d
Level 2	IC 200-8378/12	22oct102021-r121.d
Level 3	IC 200-8378/13	22oct102021-r131.d
Level 4	IC 200-8378/14	22oct102021-r141.d
Level 5	IC 200-8378/15	22oct102021-r151.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1248 Peak 1	5.052	5.061	5.052	5.061	5.061						5.002 - 5.102	5.057
PCB-1248 Peak 2	5.695	5.701	5.695	5.703	5.703						5.645 - 5.745	5.699
PCB-1248 Peak 3	5.941	5.947	5.941	5.950	5.950						5.891 - 5.991	5.946
PCB-1248 Peak 4	6.424	6.431	6.424	6.433	6.433						6.374 - 6.474	6.429
PCB-1248 Peak 5	6.927	6.936	6.929	6.936	6.938						6.879 - 6.979	6.933

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 00:28 Calibration End Date: 10/23/2010 02:05 Calibration ID: 2845

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-8378/11	AR1248_50	22oct102021-r111.d
Level 2	IC 200-8378/12	AR1248_100	22oct102021-r121.d
Level 3	IC 200-8378/13	AR1248_200	22oct102021-r131.d
Level 4	IC 200-8378/14	AR1248_400	22oct102021-r141.d
Level 5	IC 200-8378/15	AR1248_800	22oct102021-r151.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1248 Peak 1	84.180 60.025	77.670	71.770	65.293	Ave		72				13.4		20.0			
PCB-1248 Peak 2	153.04 114.59	142.00	131.79	120.40	Ave		132				11.8		20.0			
PCB-1248 Peak 3	58.680 44.173	55.580	52.580	47.915	Ave		52				11.2		20.0			
PCB-1248 Peak 4	49.700 36.140	46.810	44.935	40.033	Ave		44				12.5		20.0			
PCB-1248 Peak 5	58.160 42.909	56.250	51.920	47.868	Ave		51				12.1		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 00:28 Calibration End Date: 10/23/2010 02:05 Calibration ID: 2845

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/11	22oct102021-r111.d
Level 2	IC 200-8378/12	22oct102021-r121.d
Level 3	IC 200-8378/13	22oct102021-r131.d
Level 4	IC 200-8378/14	22oct102021-r141.d
Level 5	IC 200-8378/15	22oct102021-r151.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Ave	4209	7767	14354	26117	48020	50.0	100	200	400	800
PCB-1248 Peak 2	Ave	7652	14200	26358	48160	91668	50.0	100	200	400	800
PCB-1248 Peak 3	Ave	2934	5558	10516	19166	35338	50.0	100	200	400	800
PCB-1248 Peak 4	Ave	2485	4681	8987	16013	28912	50.0	100	200	400	800
PCB-1248 Peak 5	Ave	2908	5625	10384	19147	34327	50.0	100	200	400	800

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r111.d
Lab Smp Id: IC-30254 Client Smp ID: AR1248_50
Inj Date : 23-OCT-2010 00:28
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-30254,1,AR1248_50
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:46 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 07:20 Cal File: 22oct102021-r281.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

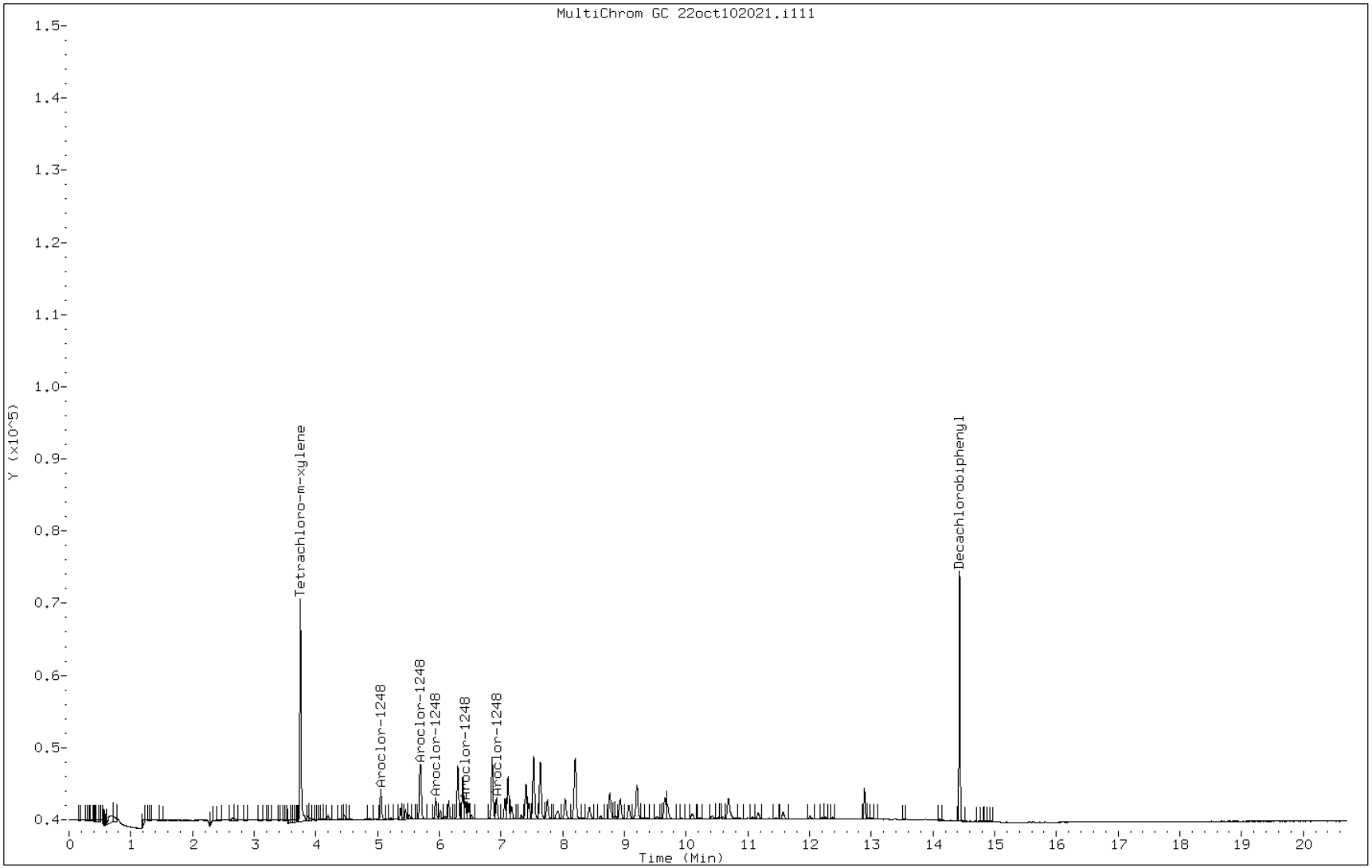
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.748	3.746	0.002	30823	5.00000	5.313	80.00- 120.00	100.00
5 Aroclor-1248					CAS #: 12672-29-6		
5.052	5.052	0.000	4209	50.0000	58.63	80.00- 120.00	100.00
5.695	5.695	0.000	7652	50.0000	57.81	76.66- 116.66	181.80
5.941	5.941	0.000	2934	50.0000	56.66	78.35- 118.35	69.71
6.424	6.424	0.000	2485	50.0000	57.10	83.94- 123.94	59.04
6.927	6.929	-0.002	2908	50.0000	56.55	53.70- 93.70	69.09
Average of Peak Amounts =					57.35		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.431	14.426	0.005	34624	5.00000	5.141	80.00- 120.00	100.00

Data File:	22oct102021-r111.d	Date:	23-OCT-2010 00:28
Client ID:	AR1248_50	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30254,1,AR1248_50		
Lab Sample ID:	IC-30254		



TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r121.d
Lab Smp Id: IC-28418 Client Smp ID: AR1248_100
Inj Date : 23-OCT-2010 00:52
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-28418,1,AR1248_100
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:46 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 07:44 Cal File: 22oct102021-r291.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

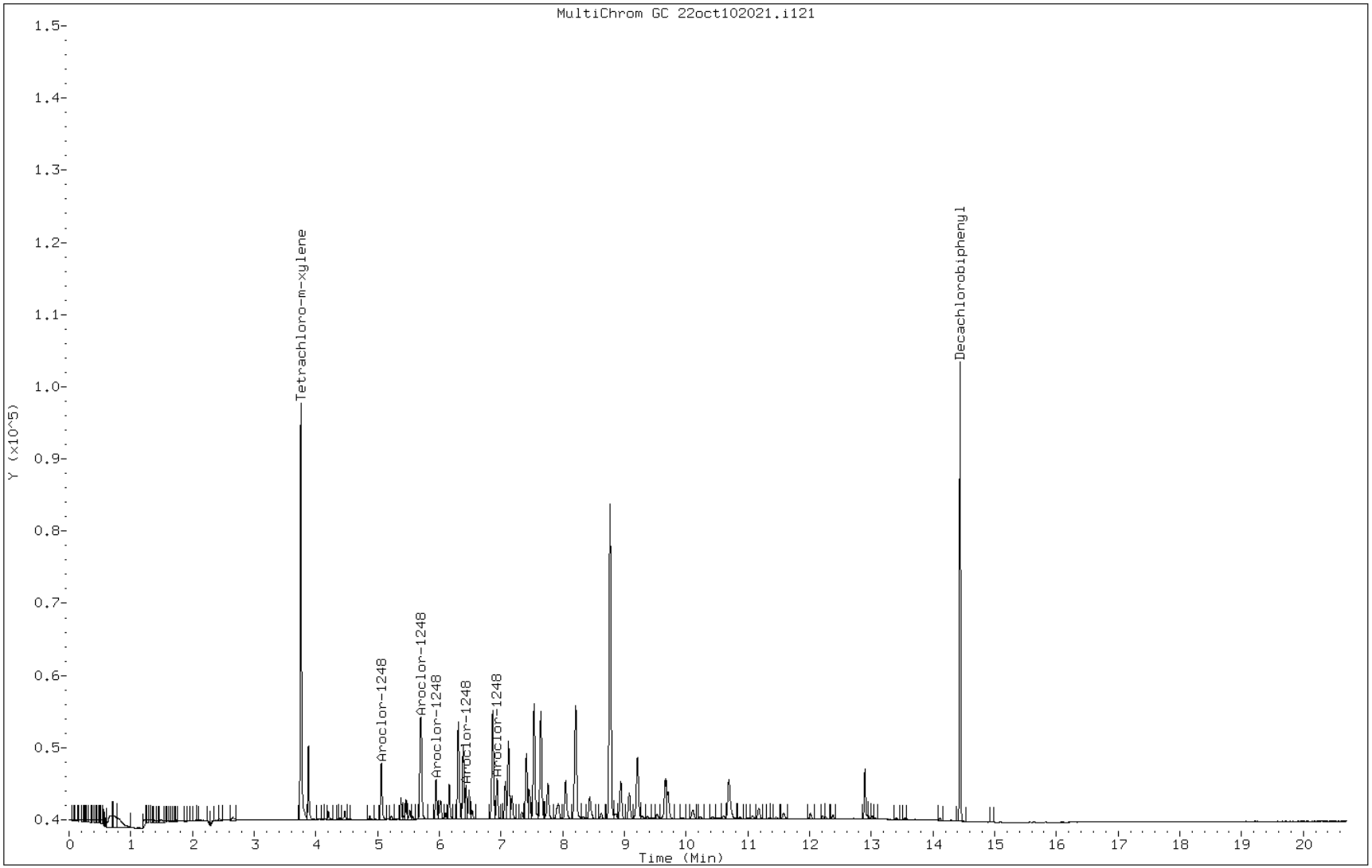
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)		
RT	EXP RT	DLT RT	RESPONSE			TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.757	3.746	0.011	57669	10.0000	9.941	80.00- 120.00	100.00
5 Aroclor-1248					CAS #: 12672-29-6		
5.061	5.052	0.009	7767	100.000	108.2	80.00- 120.00	100.00
5.701	5.695	0.006	14200	100.000	107.3	76.66- 116.66	182.82
5.947	5.941	0.006	5558	100.000	107.3	78.35- 118.35	71.56
6.431	6.424	0.007	4681	100.000	107.6	83.94- 123.94	60.27
6.936	6.929	0.007	5625	100.000	109.4	53.70- 93.70	72.42
Average of Peak Amounts =					107.9		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.437	14.426	0.011	63679	10.0000	9.455	80.00- 120.00	100.00

Data File:	22oct102021-r121.d	Date:	23-OCT-2010 00:52
Client ID:	AR1248_100	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-28418,1,AR1248_100		
Lab Sample ID:	IC-28418		



TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r131.d
Lab Smp Id: IC-28417 Client Smp ID: AR1248_200
Inj Date : 23-OCT-2010 01:16
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-28417,1,AR1248_200
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:46 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:08 Cal File: 22oct102021-r301.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

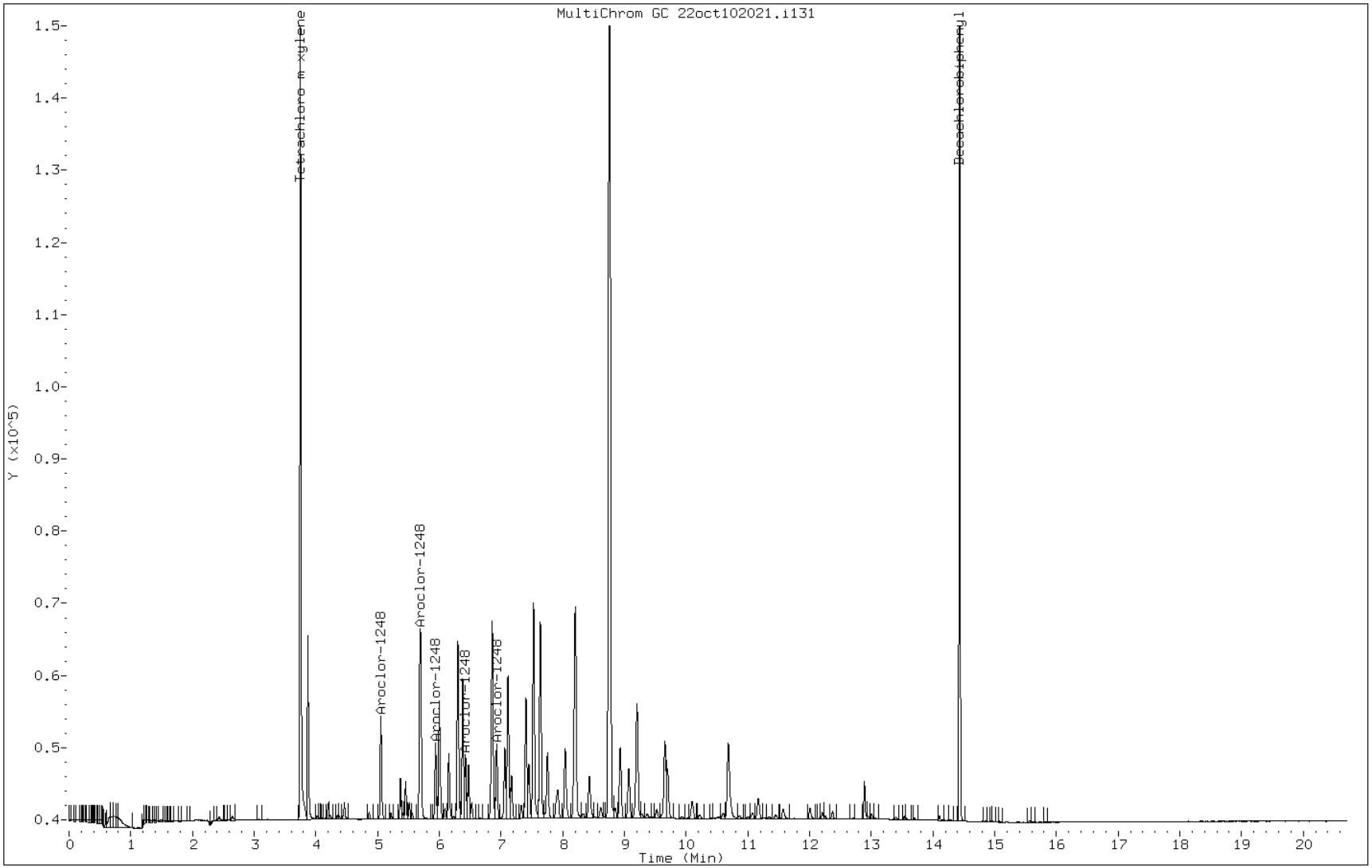
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.748	3.746	0.002	111205	20.0000	19.17	80.00- 120.00	100.00
5 Aroclor-1248					CAS #: 12672-29-6		
5.052	5.052	0.000	14354	200.000	200.0	80.00- 120.00	100.00
5.695	5.695	0.000	26358	200.000	199.1	76.66- 116.66	183.63
5.941	5.941	0.000	10516	200.000	203.1	78.35- 118.35	73.26
6.424	6.424	0.000	8987	200.000	206.5	83.94- 123.94	62.61
6.929	6.929	0.000	10384	200.000	201.9	53.70- 93.70	72.34
Average of Peak Amounts =					202.1		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.431	14.426	0.005	123311	20.0000	18.31	80.00- 120.00	100.00

Data File:	22oct102021-r131.d	Date:	23-OCT-2010 01:16
Client ID:	AR1248_200	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-28417,1,AR1248_200		
Lab Sample ID:	IC-28417		



TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r141.d
Lab Smp Id: IC-28416 Client Smp ID: AR1248_400
Inj Date : 23-OCT-2010 01:40
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-28416,1,AR1248_400
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:46 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:32 Cal File: 22oct102021-r311.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

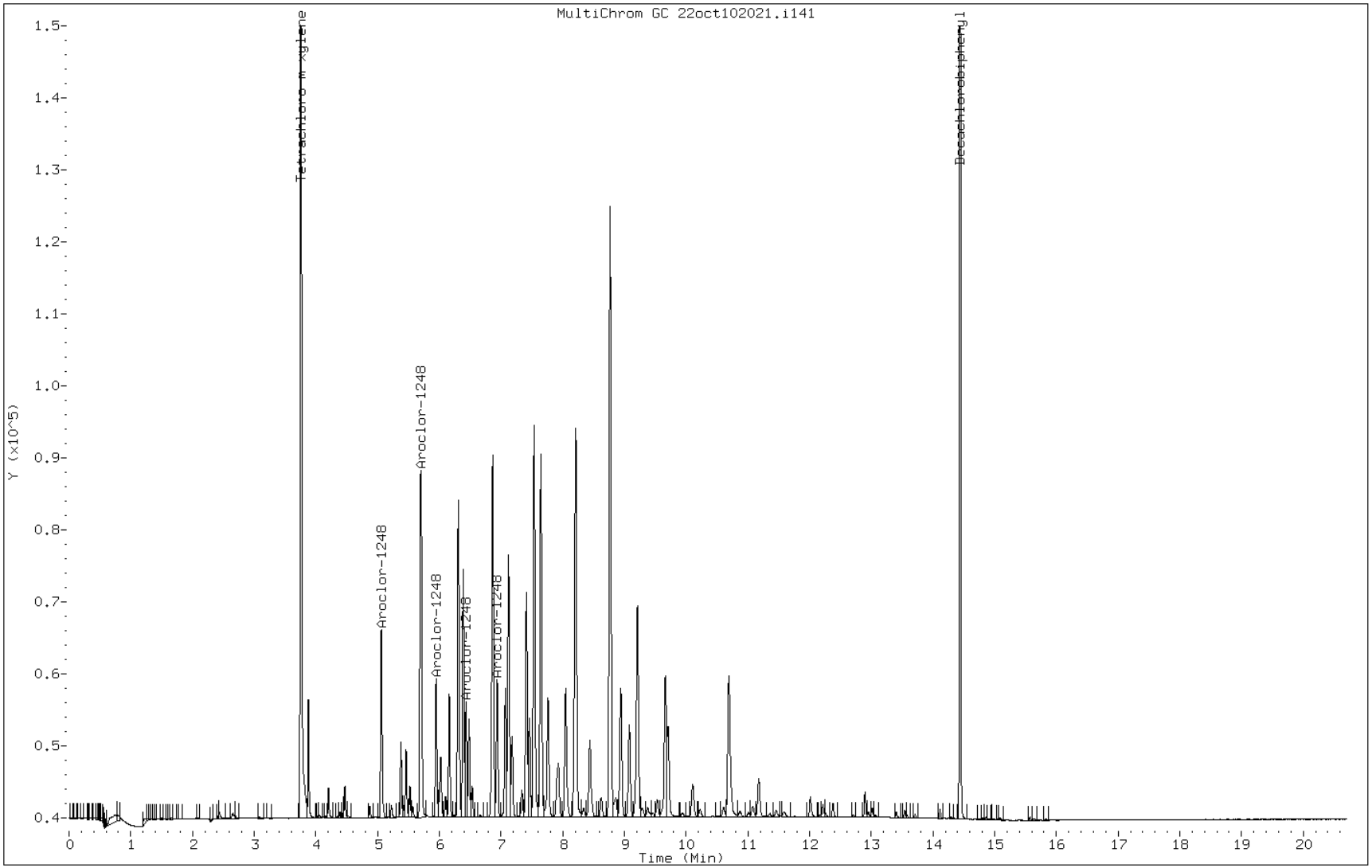
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.757	3.746	0.011	218614	40.0000	37.68	80.00- 120.00	100.00
5 Aroclor-1248					CAS #: 12672-29-6		
5.061	5.052	0.009	26117	400.000	363.8	80.00- 120.00	100.00
5.703	5.695	0.008	48160	400.000	363.8	76.66- 116.66	184.40
5.950	5.941	0.009	19166	400.000	370.1	78.35- 118.35	73.39
6.433	6.424	0.009	16013	400.000	367.9	83.94- 123.94	61.31
6.936	6.929	0.007	19147	400.000	372.4	53.70- 93.70	73.31
Average of Peak Amounts =					367.6		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.439	14.426	0.013	248097	40.0000	36.84	80.00- 120.00	100.00

Data File:	22oct102021-r141.d	Date:	23-OCT-2010 01:40
Client ID:	AR1248_400	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-28416,1,AR1248_400		
Lab Sample ID:	IC-28416		



TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r151.d
Lab Smp Id: IC-28415 Client Smp ID: AR1248_800
Inj Date : 23-OCT-2010 02:05
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-28415,1,AR1248_800
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:47 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

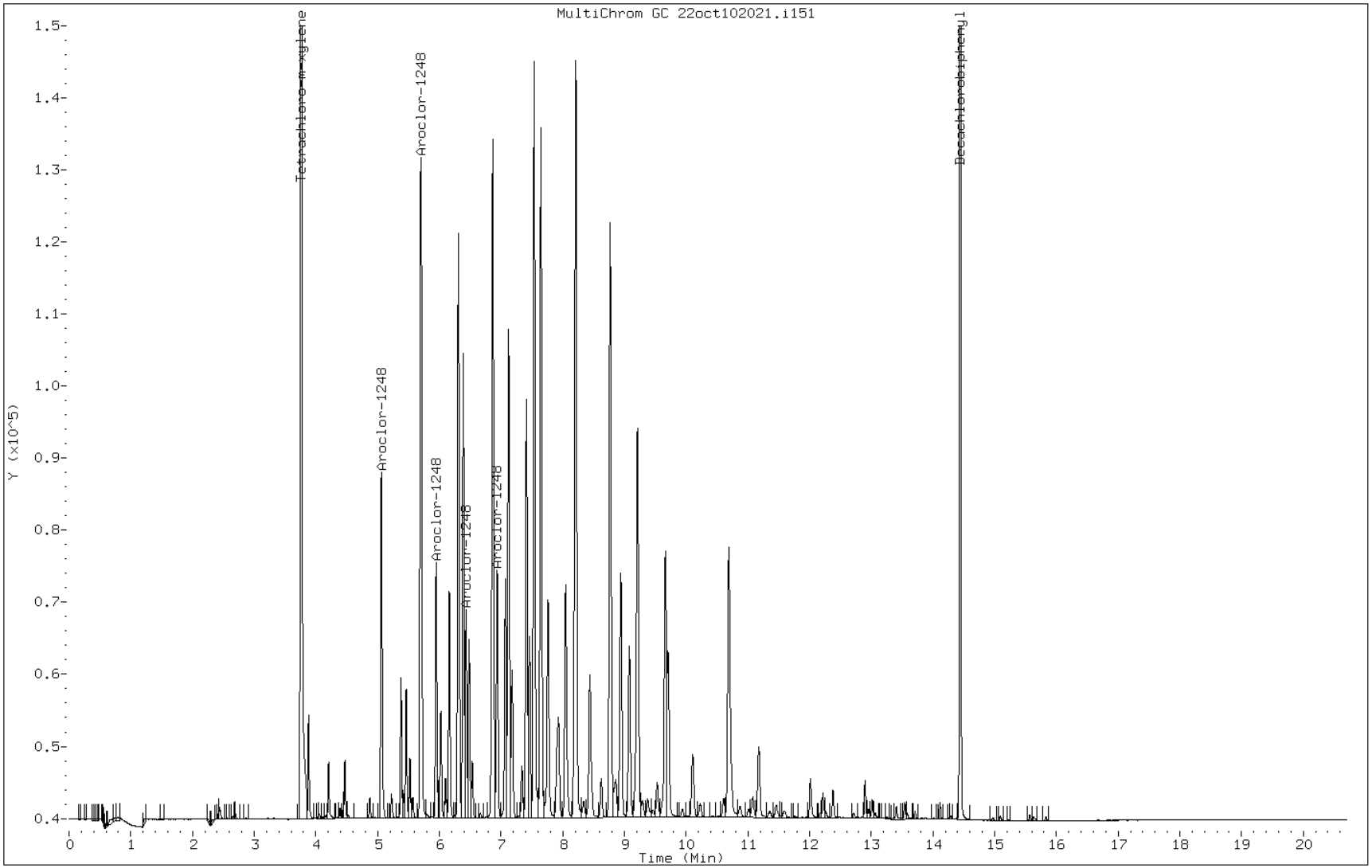
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.759	3.746	0.013	449388	80.0000	77.46	80.00- 120.00	100.00
5 Aroclor-1248					CAS #: 12672-29-6		
5.061	5.052	0.009	48020	800.000	668.9	80.00- 120.00	100.00
5.703	5.695	0.008	91668	800.000	692.6	76.66- 116.66	190.90
5.950	5.941	0.009	35338	800.000	682.4	78.35- 118.35	73.59
6.433	6.424	0.009	28912	800.000	664.3	83.94- 123.94	60.21
6.938	6.929	0.009	34327	800.000	667.6	53.70- 93.70	71.48
Average of Peak Amounts =					675.1		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.439	14.426	0.013	488898	80.0000	72.59	80.00- 120.00	100.00

Data File:	22oct102021-r151.d	Date:	23-OCT-2010 02:05
Client ID:	AR1248_800	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-28415,1,AR1248_800		
Lab Sample ID:	IC-28415		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 02:29 Calibration End Date: 10/23/2010 04:06 Calibration ID: 2838

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/16	22oct102021-r161.d
Level 2	IC 200-8378/17	22oct102021-r171.d
Level 3	IC 200-8378/18	22oct102021-r181.d
Level 4	IC 200-8378/19	22oct102021-r191.d
Level 5	IC 200-8378/20	22oct102021-r201.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1254 Peak 1	6.204	6.204	6.207	6.207	6.202						6.157 - 6.257	6.205
PCB-1254 Peak 2	6.484	6.486	6.486	6.486	6.482						6.436 - 6.536	6.485
PCB-1254 Peak 3	6.577	6.577	6.577	6.579	6.575						6.527 - 6.627	6.577
PCB-1254 Peak 4	6.652	6.652	6.652	6.652	6.648						6.602 - 6.702	6.651
PCB-1254 Peak 5	7.275	7.273	7.273	7.273	7.268						7.223 - 7.323	7.272

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 02:29 Calibration End Date: 10/23/2010 04:06 Calibration ID: 2838

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-8378/16	AR1254_50	22oct102021-r161.d
Level 2	IC 200-8378/17	AR1254_100	22oct102021-r171.d
Level 3	IC 200-8378/18	AR1254_200	22oct102021-r181.d
Level 4	IC 200-8378/19	AR1254_400	22oct102021-r191.d
Level 5	IC 200-8378/20	AR1254_800	22oct102021-r201.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1254 Peak 1	65.240 58.849	63.190	61.530	59.448	Ave		62				4.3		20.0			
PCB-1254 Peak 2	56.280 51.040	55.930	55.305	52.143	Ave		54				4.4		20.0			
PCB-1254 Peak 3	116.74 118.60	115.90	114.68	116.72	Ave		117				1.2		20.0			
PCB-1254 Peak 4	40.480 36.471	39.200	38.450	37.295	Ave		38				4.1		20.0			
PCB-1254 Peak 5	118.16 138.54	119.13	127.00	128.08	Ave		126				6.5		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 02:29 Calibration End Date: 10/23/2010 04:06 Calibration ID: 2838

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/16	22oct102021-r161.d
Level 2	IC 200-8378/17	22oct102021-r171.d
Level 3	IC 200-8378/18	22oct102021-r181.d
Level 4	IC 200-8378/19	22oct102021-r191.d
Level 5	IC 200-8378/20	22oct102021-r201.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1254 Peak 1	Ave	3262	6319	12306	23779	47079	50.0	100	200	400	800
PCB-1254 Peak 2	Ave	2814	5593	11061	20857	40832	50.0	100	200	400	800
PCB-1254 Peak 3	Ave	5837	11590	22935	46686	94880	50.0	100	200	400	800
PCB-1254 Peak 4	Ave	2024	3920	7690	14918	29177	50.0	100	200	400	800
PCB-1254 Peak 5	Ave	5908	11913	25399	51233	110834	50.0	100	200	400	800

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r161.d
Lab Smp Id: IC-30286 Client Smp ID: AR1254_50
Inj Date : 23-OCT-2010 02:29
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-30286,1,AR1254_50
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

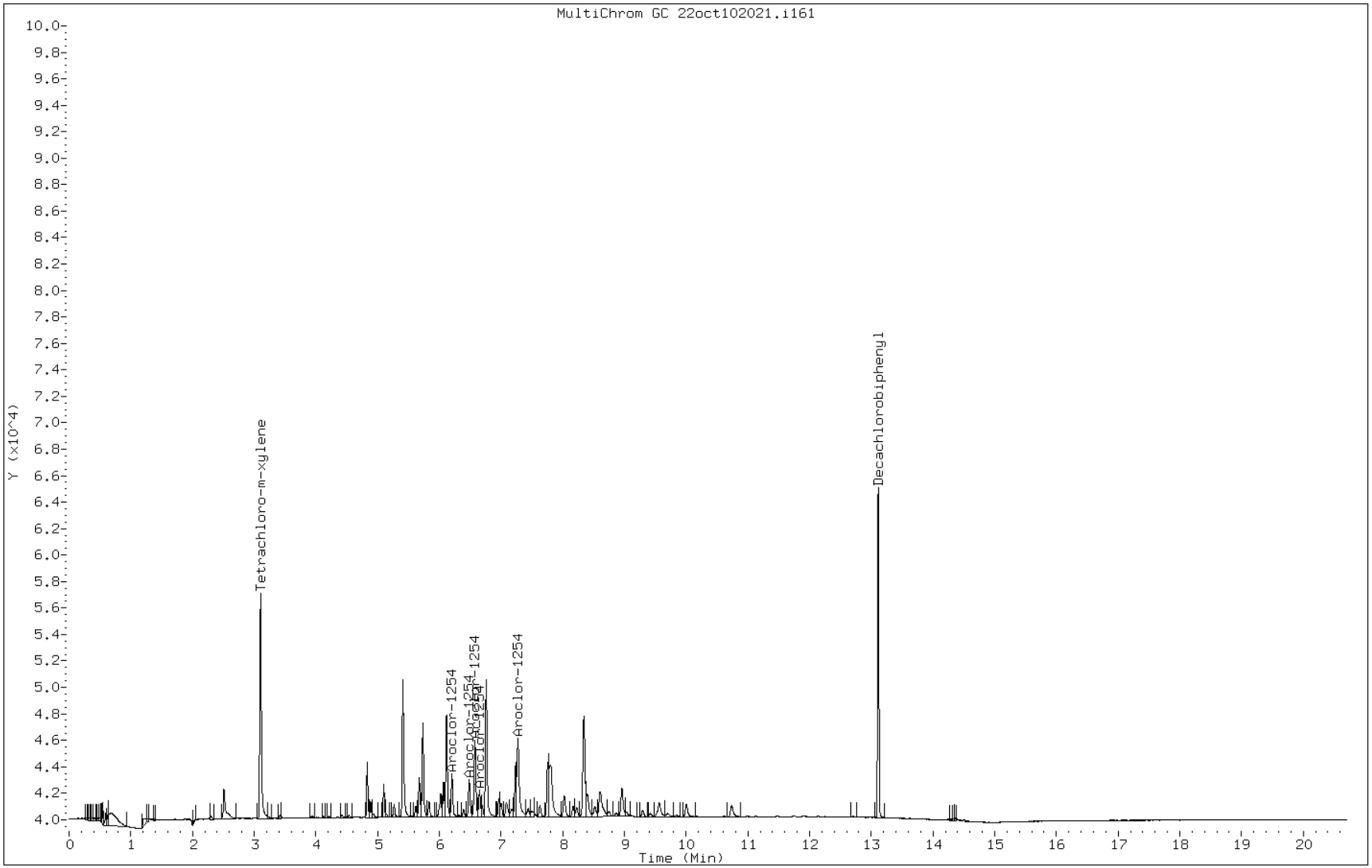
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.103	3.101	0.002	17004	5.00000	4.674	80.00- 120.00	100.00(a)
6 Aroclor-1254					CAS #: 11097-69-1		
6.204	6.207	-0.003	3262	50.0000	52.91	80.00- 120.00	100.00(M)
6.484	6.486	-0.002	2814	50.0000	51.98	105.70- 145.70	86.27
6.577	6.577	0.000	5837	50.0000	50.09	132.86- 172.86	178.94
6.652	6.652	0.000	2024	50.0000	52.74	83.52- 123.52	62.05
7.275	7.273	0.002	5908	50.0000	46.82	92.98- 132.98	181.12
Average of Peak Amounts =					50.91		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.112	13.107	0.005	24987	5.00000	4.725	80.00- 120.00	100.00(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File:	22oct102021-r161.d	Date:	23-OCT-2010 02:29
Client ID:	AR1254_50	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30286,1,AR1254_50		
Lab Sample ID:	IC-30286		



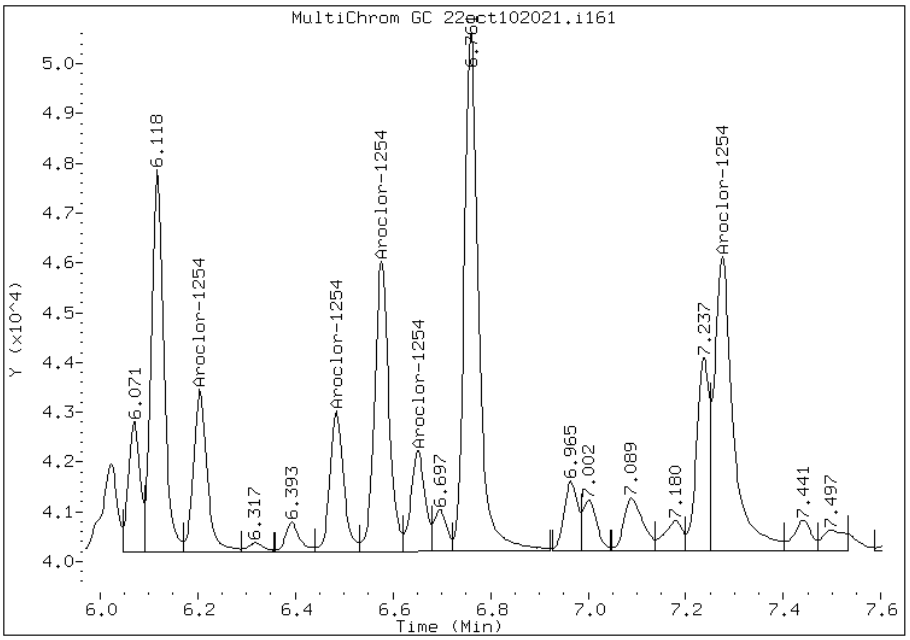
Manual Integration Report

Data File: 22oct102021-r161.d
Inj. Date and Time: 23-OCT-2010 02:29
Instrument ID: 7227_1.i
Client ID: AR1254_50
Compound: 6 Aroclor-1254
CAS #: 11097-69-1
Report Date: 10/26/2010

Processing Integration Results

RT	Response	Conc
6.20	3213*	0.00
6.48	2713*	0.00
6.58	5705*	0.00
6.65	1877*	0.00
7.28	5720*	0.00

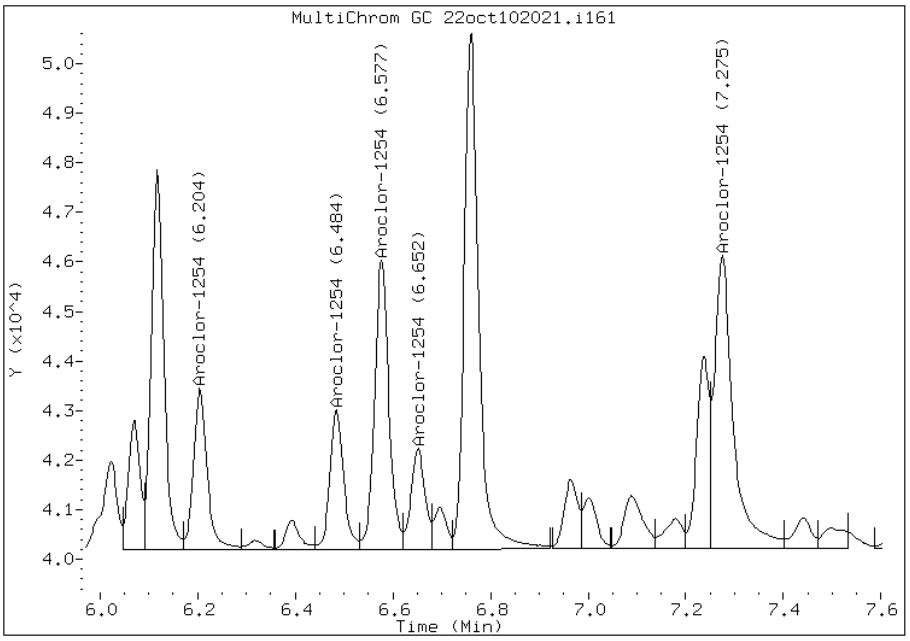
Final Conc		0.00



Manual Integration Results

RT	Response	Conc
6.20	3262*	52.91
6.48	2814*	51.98
6.58	5837*	50.09
6.65	2024*	52.74
7.28	5908*	46.82

Final Conc		50.91



File Uploaded By: lmt
Manual Integration Reason: Baseline event

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r171.d
Lab Smp Id: IC-30285 Client Smp ID: AR1254_100
Inj Date : 23-OCT-2010 02:53
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-30285,1,AR1254_100
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

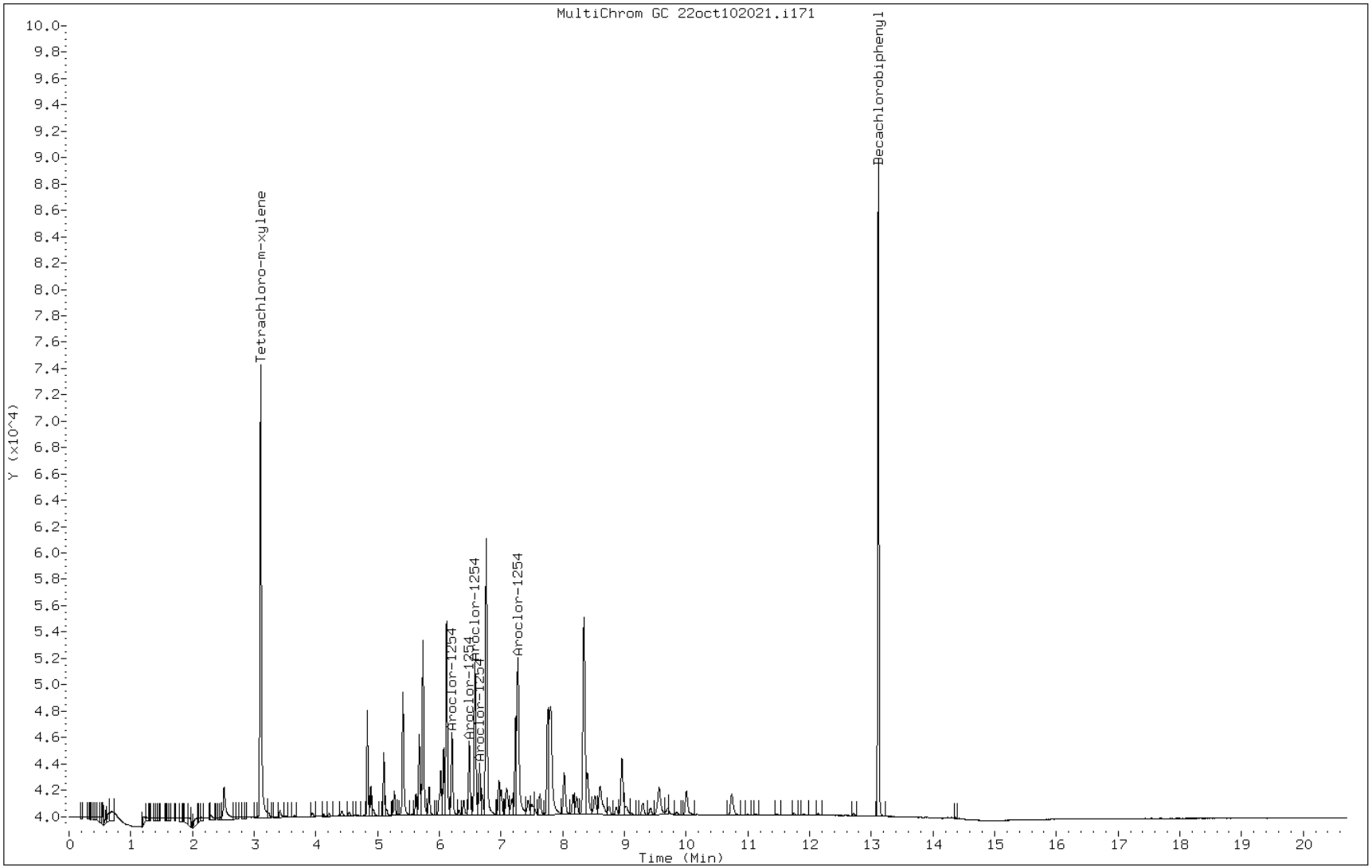
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.106	3.101	0.005	34405	10.0000	9.458	80.00- 120.00	100.00
6 Aroclor-1254					CAS #: 11097-69-1		
6.204	6.207	-0.003	6319	100.000	102.5	80.00- 120.00	100.00(M)
6.486	6.486	0.000	5593	100.000	103.3	105.70- 145.70	88.51
6.577	6.577	0.000	11590	100.000	99.46	132.86- 172.86	183.42
6.652	6.652	0.000	3920	100.000	102.1	83.52- 123.52	62.04
7.273	7.273	0.000	11913	100.000	94.41	92.98- 132.98	188.53
Average of Peak Amounts =					100.4		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.114	13.107	0.007	49940	10.0000	9.443	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File:	22oct102021-r171.d	Date:	23-OCT-2010 02:53
Client ID:	AR1254_100	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30285,1,AR1254_100		
Lab Sample ID:	IC-30285		



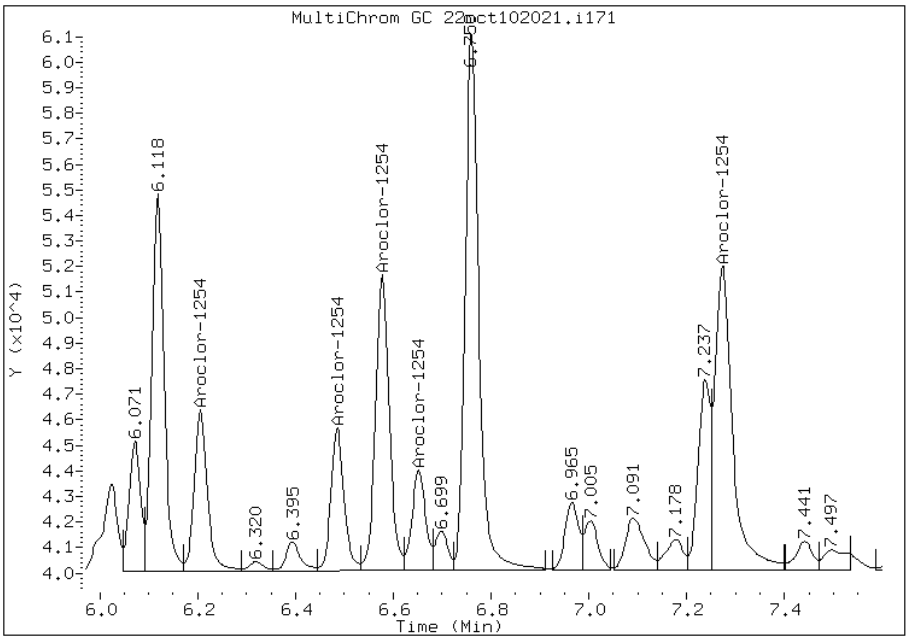
Manual Integration Report

Data File: 22oct102021-r171.d
Inj. Date and Time: 23-OCT-2010 02:53
Instrument ID: 7227_1.i
Client ID: AR1254_100
Compound: 6 Aroclor-1254
CAS #: 11097-69-1
Report Date: 10/26/2010

Processing Integration Results

RT	Response	Conc
6.20	6225*	0.00
6.49	5421*	0.00
6.58	11345*	0.00
6.65	3649*	0.00
7.27	11582*	0.00

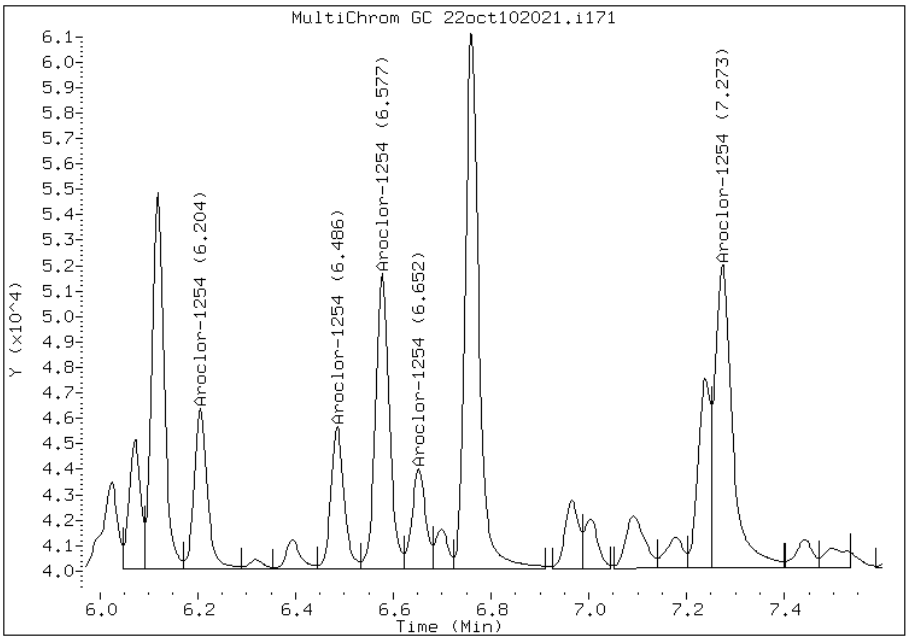
Final Conc		0.00



Manual Integration Results

RT	Response	Conc
6.20	6319*	102.50
6.49	5593*	103.31
6.58	11590*	99.46
6.65	3920*	102.14
7.27	11913*	94.41

Final Conc		100.40



File Uploaded By: lmt
Manual Integration Reason: Baseline event

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r181.d
Lab Smp Id: IC-30265 Client Smp ID: AR1254_200
Inj Date : 23-OCT-2010 03:17
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-30265,1,AR1254_200
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

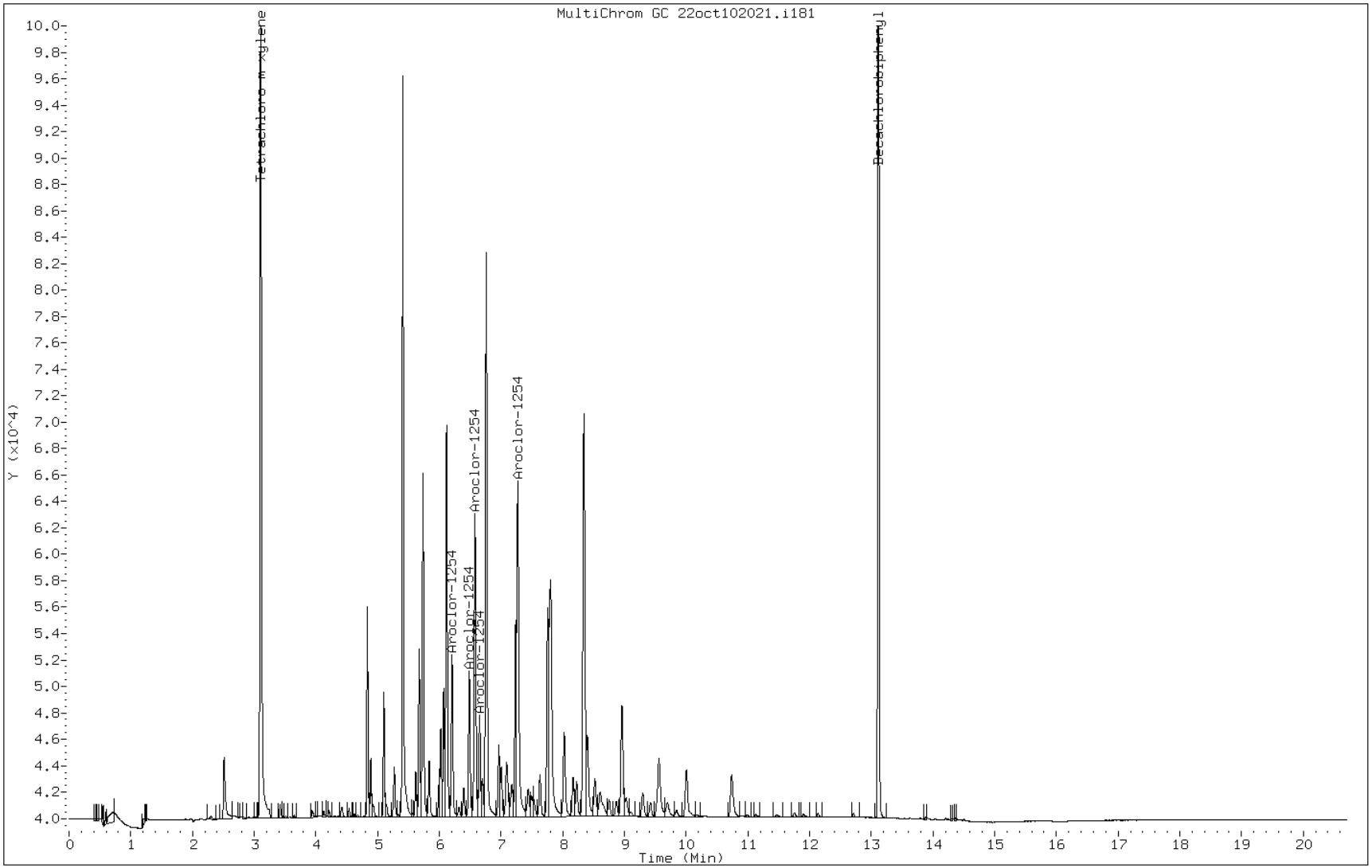
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.106	3.101	0.005	73516	20.0000	20.21	80.00- 120.00	100.00
6 Aroclor-1254					CAS #: 11097-69-1		
6.207	6.207	0.000	12306	200.000	199.6	80.00- 120.00	100.00
6.486	6.486	0.000	11061	200.000	204.3	105.70- 145.70	89.88
6.577	6.577	0.000	22935	200.000	196.8	132.86- 172.86	186.37
6.652	6.652	0.000	7690	200.000	200.4	83.52- 123.52	62.49
7.273	7.273	0.000	25399	200.000	201.3	92.98- 132.98	206.40
Average of Peak Amounts =					200.5		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.116	13.107	0.009	101554	20.0000	19.20	80.00- 120.00	100.00

Data File:	22oct102021-r181.d	Date:	23-OCT-2010 03:17
Client ID:	AR1254_200	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30265,1,AR1254_200		
Lab Sample ID:	IC-30265		



TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r191.d
Lab Smp Id: IC-30256 Client Smp ID: AR1254_400
Inj Date : 23-OCT-2010 03:41
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-30256,1,AR1254_400
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

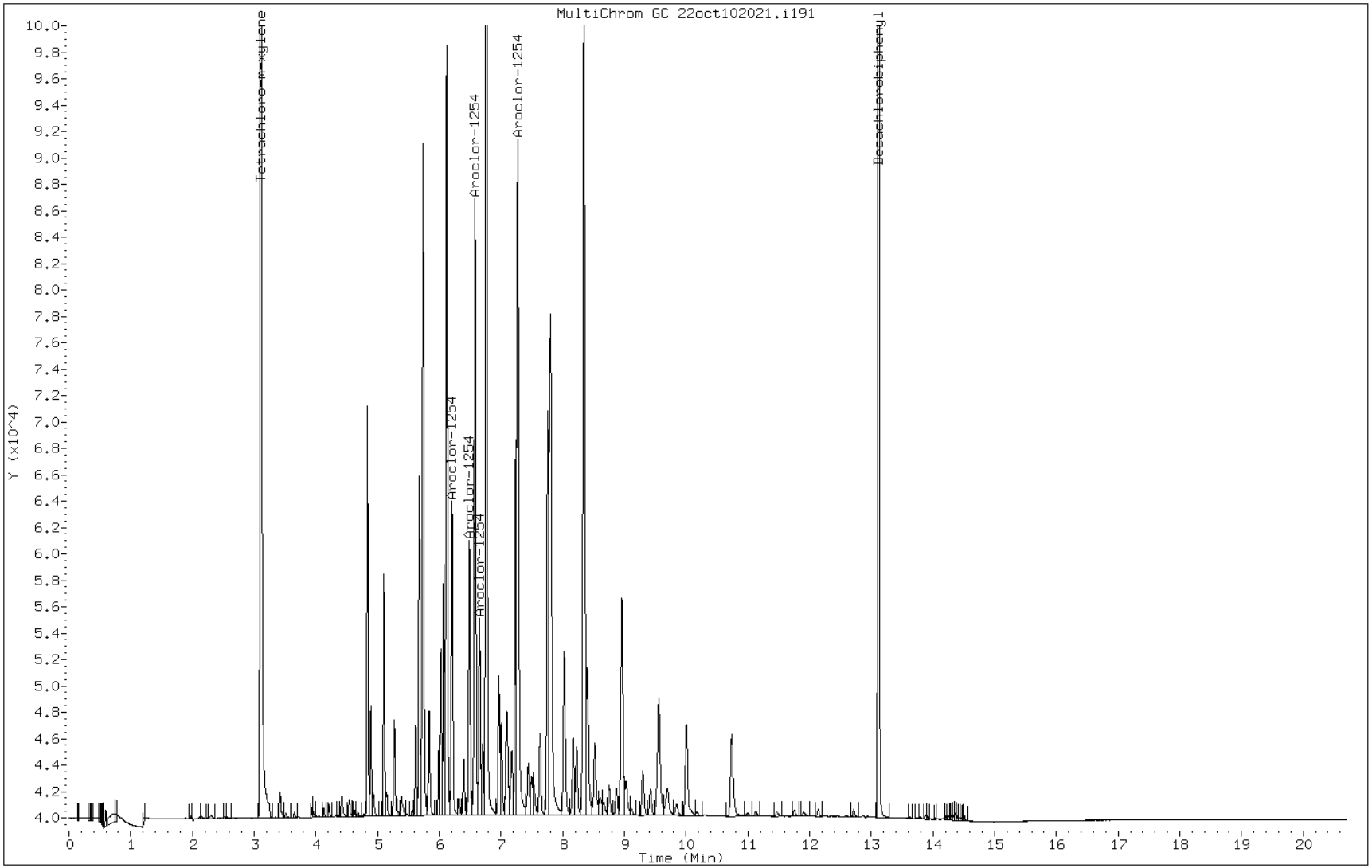
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

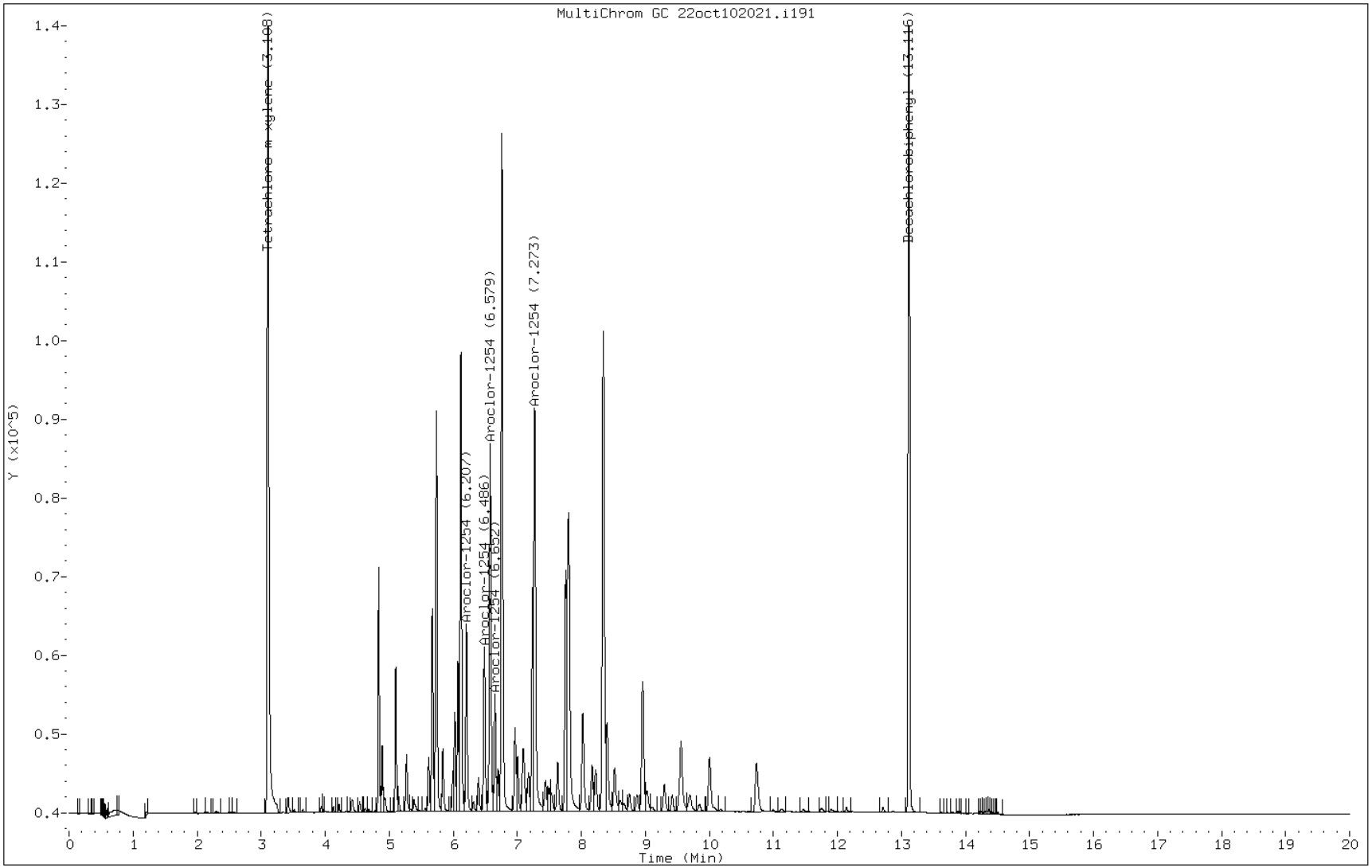
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.108	3.101	0.007	146306	40.0000	40.22	80.00- 120.00	100.00
6 Aroclor-1254					CAS #: 11097-69-1		
6.207	6.207	0.000	23779	400.000	385.7	80.00- 120.00	100.00
6.486	6.486	0.000	20857	400.000	385.2	105.70- 145.70	87.71
6.579	6.577	0.002	46686	400.000	400.6	132.86- 172.86	196.33
6.652	6.652	0.000	14918	400.000	388.7	83.52- 123.52	62.74
7.273	7.273	0.000	51233	400.000	406.0	92.98- 132.98	215.45
Average of Peak Amounts =					393.3		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.116	13.107	0.009	201512	40.0000	38.10	80.00- 120.00	100.00

Data File:	22oct102021-r191.d	Date:	23-OCT-2010 03:41
Client ID:	AR1254_400	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30256,1,AR1254_400		
Lab Sample ID:	IC-30256		



Data File:	22oct102021-r191.d	Date:	23-OCT-2010 03:41
Client ID:	AR1254_400	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-30256,1,AR1254_400		



TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r201.d
Lab Smp Id: IC-30255 Client Smp ID: AR1254_800
Inj Date : 23-OCT-2010 04:06
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-30255,1,AR1254_800
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

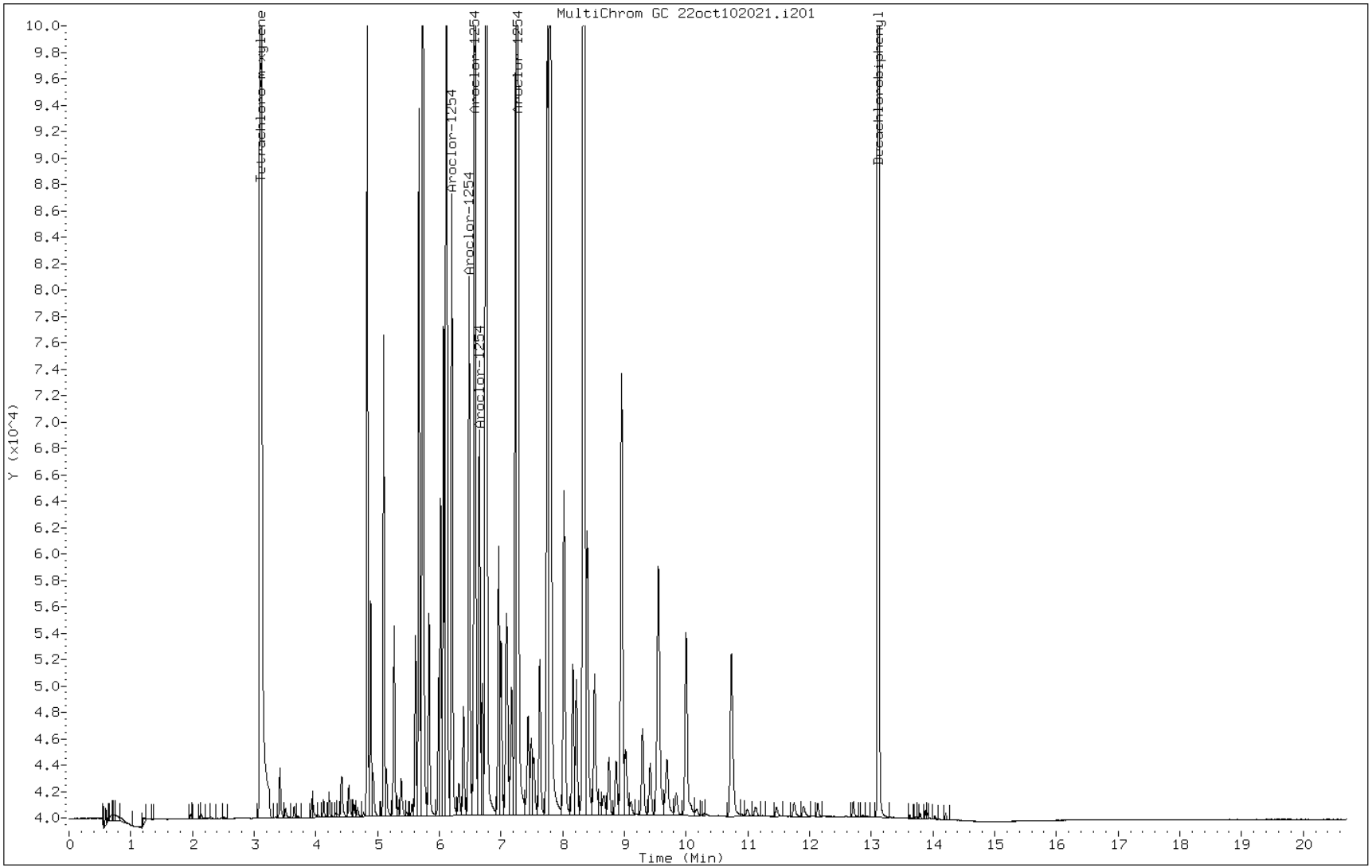
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.103	3.101	0.002	300125	80.0000	82.50	80.00- 120.00	100.00(A)
6 Aroclor-1254					CAS #: 11097-69-1		
6.202	6.207	-0.005	47079	800.000	763.6	80.00- 120.00	100.00
6.482	6.486	-0.004	40832	800.000	754.2	105.70- 145.70	86.73
6.575	6.577	-0.002	94880	800.000	814.2	132.86- 172.86	201.53
6.648	6.652	-0.004	29177	800.000	760.2	83.52- 123.52	61.97
7.268	7.273	-0.005	110834	800.000	878.4	92.98- 132.98	235.42
Average of Peak Amounts =					794.1		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.112	13.107	0.005	421649	80.0000	79.73	80.00- 120.00	100.00

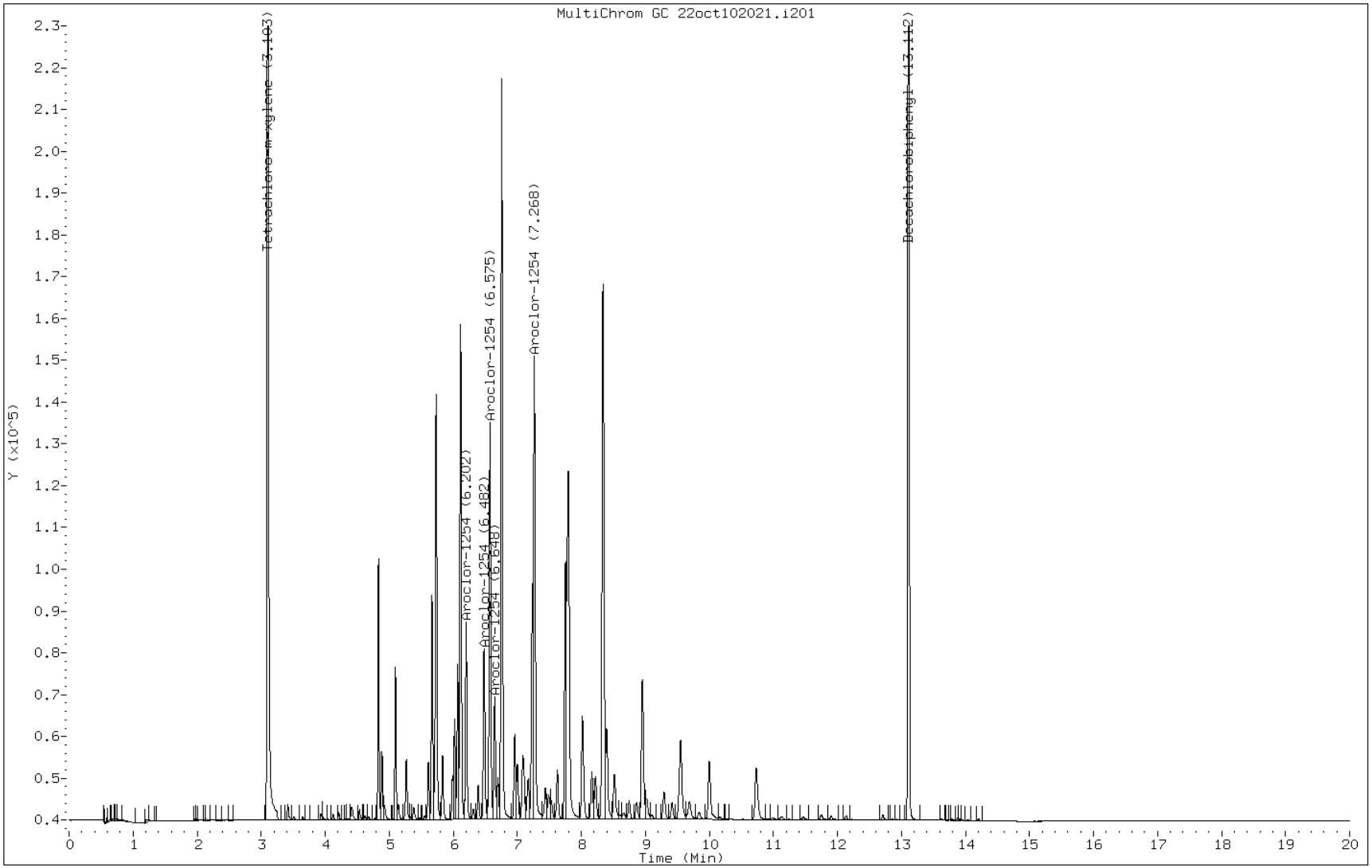
QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File:	22oct102021-r201.d	Date:	23-OCT-2010 04:06
Client ID:	AR1254_800	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30255,1,AR1254_800		
Lab Sample ID:	IC-30255		



Data File:	22oct102021-r201.d	Date:	23-OCT-2010 04:06
Client ID:	AR1254_800	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-30255,1,AR1254_800		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 02:29 Calibration End Date: 10/23/2010 04:06 Calibration ID: 2846

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/16	22oct102021-r161.d
Level 2	IC 200-8378/17	22oct102021-r171.d
Level 3	IC 200-8378/18	22oct102021-r181.d
Level 4	IC 200-8378/19	22oct102021-r191.d
Level 5	IC 200-8378/20	22oct102021-r201.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1254 Peak 1	8.197	8.193	8.188	8.193	8.197						8.138 - 8.238	8.194
PCB-1254 Peak 2	8.443	8.439	8.434	8.439	8.446						8.384 - 8.484	8.440
PCB-1254 Peak 3	8.944	8.940	8.935	8.940	8.944						8.885 - 8.985	8.941
PCB-1254 Peak 4	9.082	9.077	9.073	9.077	9.084						9.023 - 9.123	9.079
PCB-1254 Peak 5	9.713	9.709	9.705	9.709	9.713						9.655 - 9.755	9.710

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 02:29 Calibration End Date: 10/23/2010 04:06 Calibration ID: 2846

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-8378/16	AR1254_50	22oct102021-r161.d
Level 2	IC 200-8378/17	AR1254_100	22oct102021-r171.d
Level 3	IC 200-8378/18	AR1254_200	22oct102021-r181.d
Level 4	IC 200-8378/19	AR1254_400	22oct102021-r191.d
Level 5	IC 200-8378/20	AR1254_800	22oct102021-r201.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1254 Peak 1	89.700 65.140	84.280	78.775	71.510	Ave		78				12.6		20.0			
PCB-1254 Peak 2	64.300 46.945	60.000	56.475	51.680	Ave		56				12.2		20.0			
PCB-1254 Peak 3	144.40 109.95	137.42	125.76	115.56	Ave		127				11.4		20.0			
PCB-1254 Peak 4	51.160 39.998	49.880	46.695	43.478	Ave		46				9.9		20.0			
PCB-1254 Peak 5	128.14 91.536	118.51	108.83	98.283	Ave		109				13.6		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 02:29 Calibration End Date: 10/23/2010 04:06 Calibration ID: 2846

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/16	22oct102021-r161.d
Level 2	IC 200-8378/17	22oct102021-r171.d
Level 3	IC 200-8378/18	22oct102021-r181.d
Level 4	IC 200-8378/19	22oct102021-r191.d
Level 5	IC 200-8378/20	22oct102021-r201.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1254 Peak 1	Ave	4485	8428	15755	28604	52112	50.0	100	200	400	800
PCB-1254 Peak 2	Ave	3215	6000	11295	20672	37556	50.0	100	200	400	800
PCB-1254 Peak 3	Ave	7220	13742	25152	46223	87957	50.0	100	200	400	800
PCB-1254 Peak 4	Ave	2558	4988	9339	17391	31998	50.0	100	200	400	800
PCB-1254 Peak 5	Ave	6407	11851	21766	39313	73229	50.0	100	200	400	800

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r161.d
Lab Smp Id: IC-30286 Client Smp ID: AR1254_50
Inj Date : 23-OCT-2010 02:29
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-30286,1,AR1254_50
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:47 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 07:20 Cal File: 22oct102021-r281.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

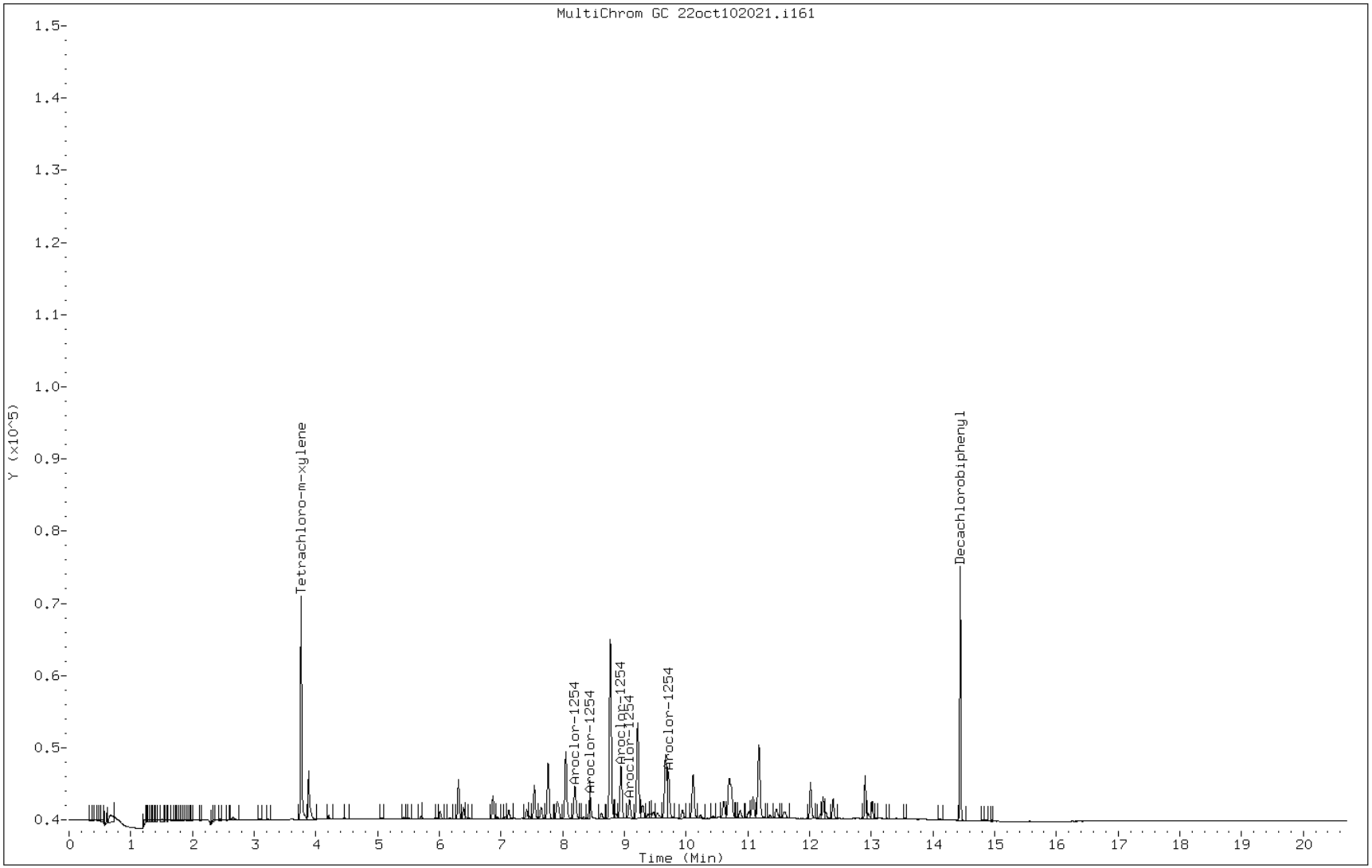
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.759	3.746	0.013	30960	5.00000	5.337	80.00- 120.00	100.00
6 Aroclor-1254					CAS #: 11097-69-1		
8.197	8.188	0.009	4485	50.0000	57.59	80.00- 120.00	100.00
8.443	8.434	0.009	3215	50.0000	57.53	105.70- 145.70	71.68
8.944	8.935	0.009	7220	50.0000	57.02	132.86- 172.86	160.98
9.082	9.073	0.009	2558	50.0000	55.32	83.52- 123.52	57.03
9.713	9.705	0.008	6407	50.0000	58.75	92.98- 132.98	142.85
Average of Peak Amounts =					57.24		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.442	14.426	0.016	35271	5.00000	5.237	80.00- 120.00	100.00

Data File:	22oct102021-r161.d	Date:	23-OCT-2010 02:29
Client ID:	AR1254_50	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30286,1,AR1254_50		
Lab Sample ID:	IC-30286		



TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r171.d
Lab Smp Id: IC-30285 Client Smp ID: AR1254_100
Inj Date : 23-OCT-2010 02:53
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-30285,1,AR1254_100
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:47 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 07:44 Cal File: 22oct102021-r291.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

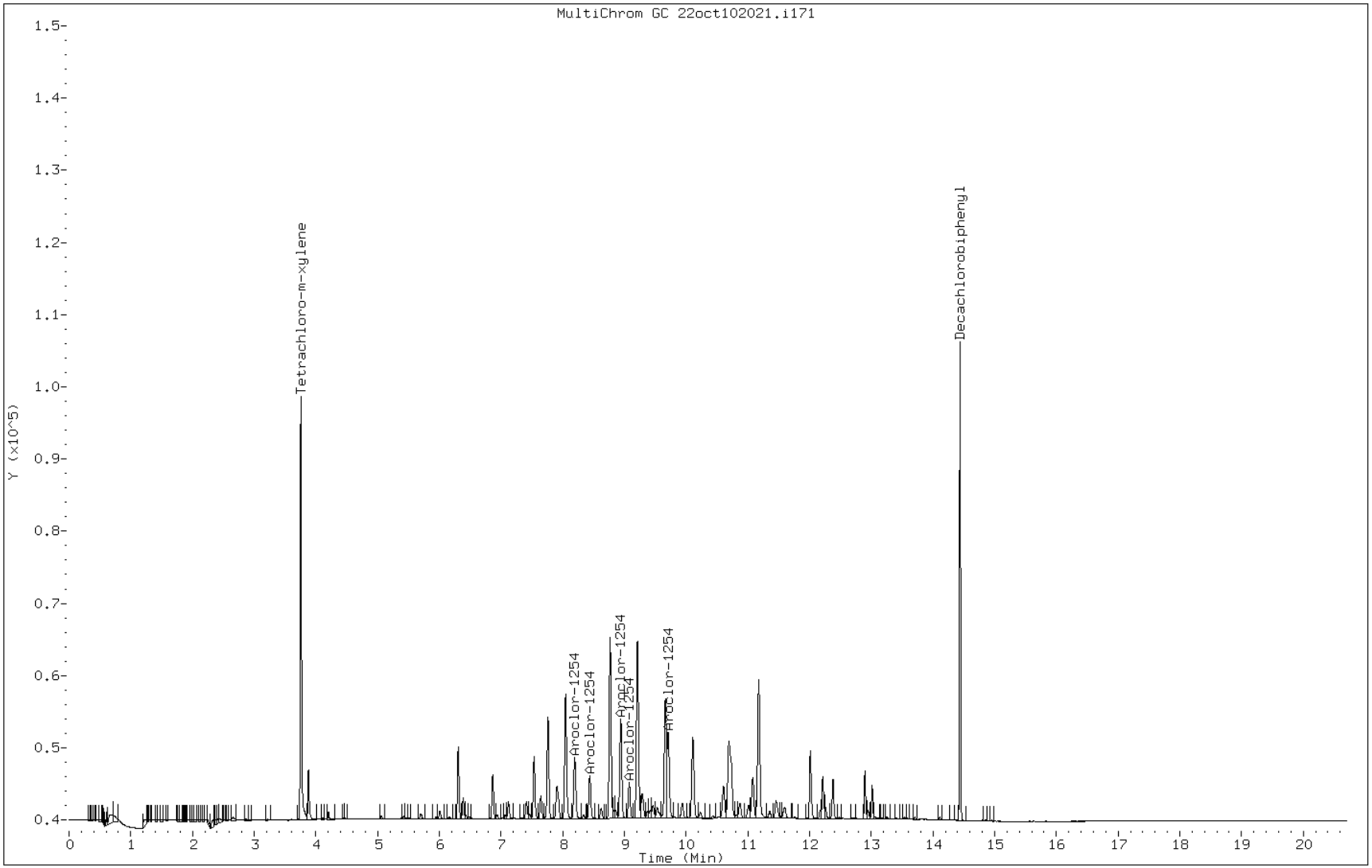
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.757	3.746	0.011	58618	10.0000	10.10	80.00- 120.00	100.00
6 Aroclor-1254					CAS #: 11097-69-1		
8.193	8.188	0.005	8428	100.000	108.2	80.00- 120.00	100.00
8.439	8.434	0.005	6000	100.000	107.4	105.70- 145.70	71.19
8.940	8.935	0.005	13742	100.000	108.5	132.86- 172.86	163.05
9.077	9.073	0.004	4988	100.000	107.9	83.52- 123.52	59.18
9.709	9.705	0.004	11851	100.000	108.7	92.98- 132.98	140.61
Average of Peak Amounts =					108.1		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.437	14.426	0.011	66372	10.0000	9.854	80.00- 120.00	100.00

Data File:	22oct102021-r171.d	Date:	23-OCT-2010 02:53
Client ID:	AR1254_100	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30285,1,AR1254_100		
Lab Sample ID:	IC-30285		



TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r181.d
Lab Smp Id: IC-30265 Client Smp ID: AR1254_200
Inj Date : 23-OCT-2010 03:17
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-30265,1,AR1254_200
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:47 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:08 Cal File: 22oct102021-r301.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

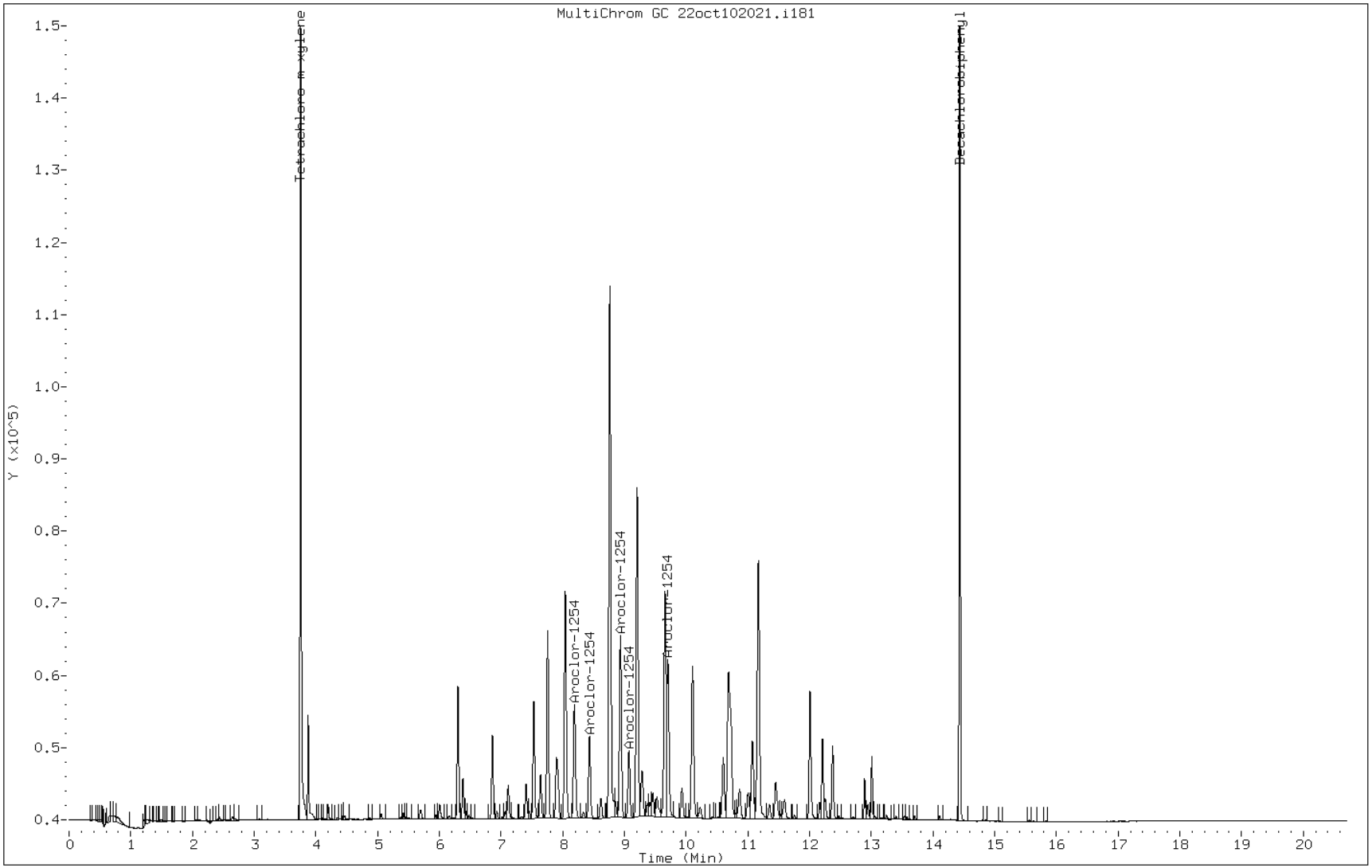
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.753	3.746	0.007	115346	20.0000	19.88	80.00- 120.00	100.00
6 Aroclor-1254					CAS #: 11097-69-1		
8.188	8.188	0.000	15755	200.000	202.3	80.00- 120.00	100.00
8.434	8.434	0.000	11295	200.000	202.1	105.70- 145.70	71.69
8.935	8.935	0.000	25152	200.000	198.6	132.86- 172.86	159.64
9.073	9.073	0.000	9339	200.000	202.0	83.52- 123.52	59.28
9.705	9.705	0.000	21766	200.000	199.6	92.98- 132.98	138.15
Average of Peak Amounts =					200.9		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.433	14.426	0.007	126958	20.0000	18.85	80.00- 120.00	100.00

Data File:	22oct102021-r181.d	Date:	23-OCT-2010 03:17
Client ID:	AR1254_200	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30265,1,AR1254_200		
Lab Sample ID:	IC-30265		



TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r191.d
Lab Smp Id: IC-30256 Client Smp ID: AR1254_400
Inj Date : 23-OCT-2010 03:41
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-30256,1,AR1254_400
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:47 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:32 Cal File: 22oct102021-r311.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

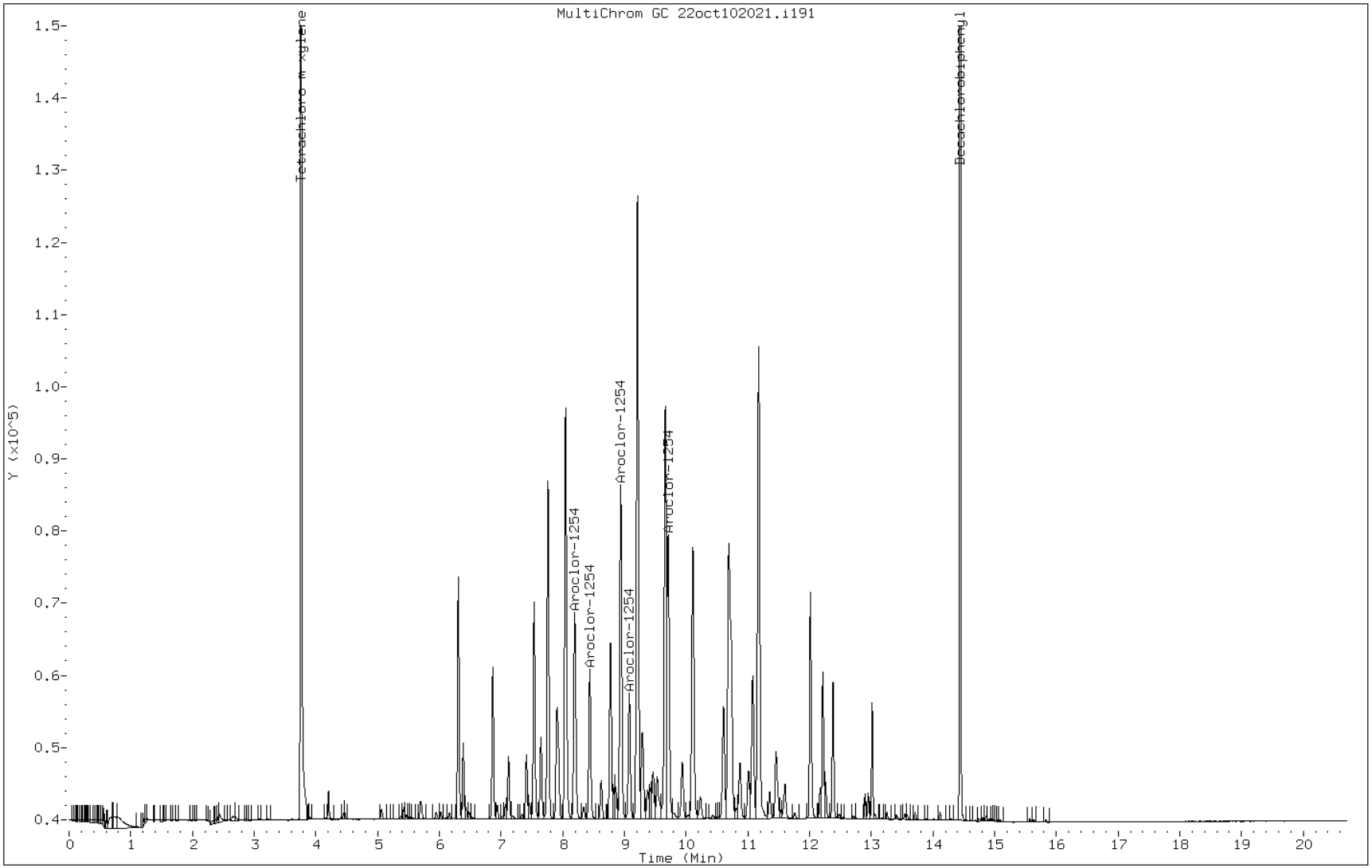
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.759	3.746	0.013	215983	40.0000	37.23	80.00- 120.00	100.00
6 Aroclor-1254					CAS #: 11097-69-1		
8.193	8.188	0.005	28604	400.000	367.3	80.00- 120.00	100.00
8.439	8.434	0.005	20672	400.000	369.9	105.70- 145.70	72.27
8.940	8.935	0.005	46223	400.000	365.1	132.86- 172.86	161.60
9.077	9.073	0.004	17391	400.000	376.1	83.52- 123.52	60.80
9.709	9.705	0.004	39313	400.000	360.5	92.98- 132.98	137.44
Average of Peak Amounts =					367.8		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.439	14.426	0.013	246917	40.0000	36.66	80.00- 120.00	100.00

Data File:	22oct102021-r191.d	Date:	23-OCT-2010 03:41
Client ID:	AR1254_400	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30256,1,AR1254_400		
Lab Sample ID:	IC-30256		



TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r201.d
Lab Smp Id: IC-30255 Client Smp ID: AR1254_800
Inj Date : 23-OCT-2010 04:06
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-30255,1,AR1254_800
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:47 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

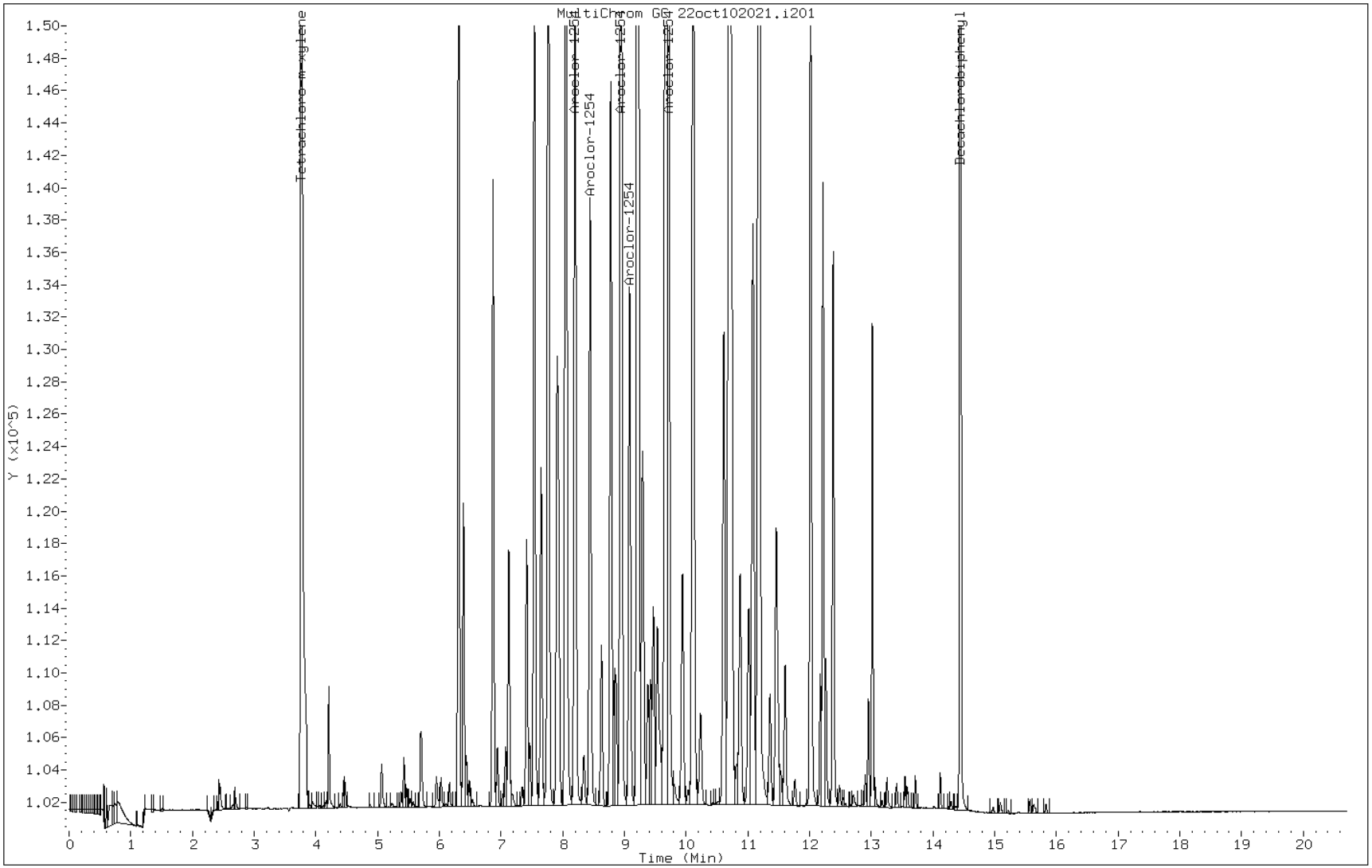
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

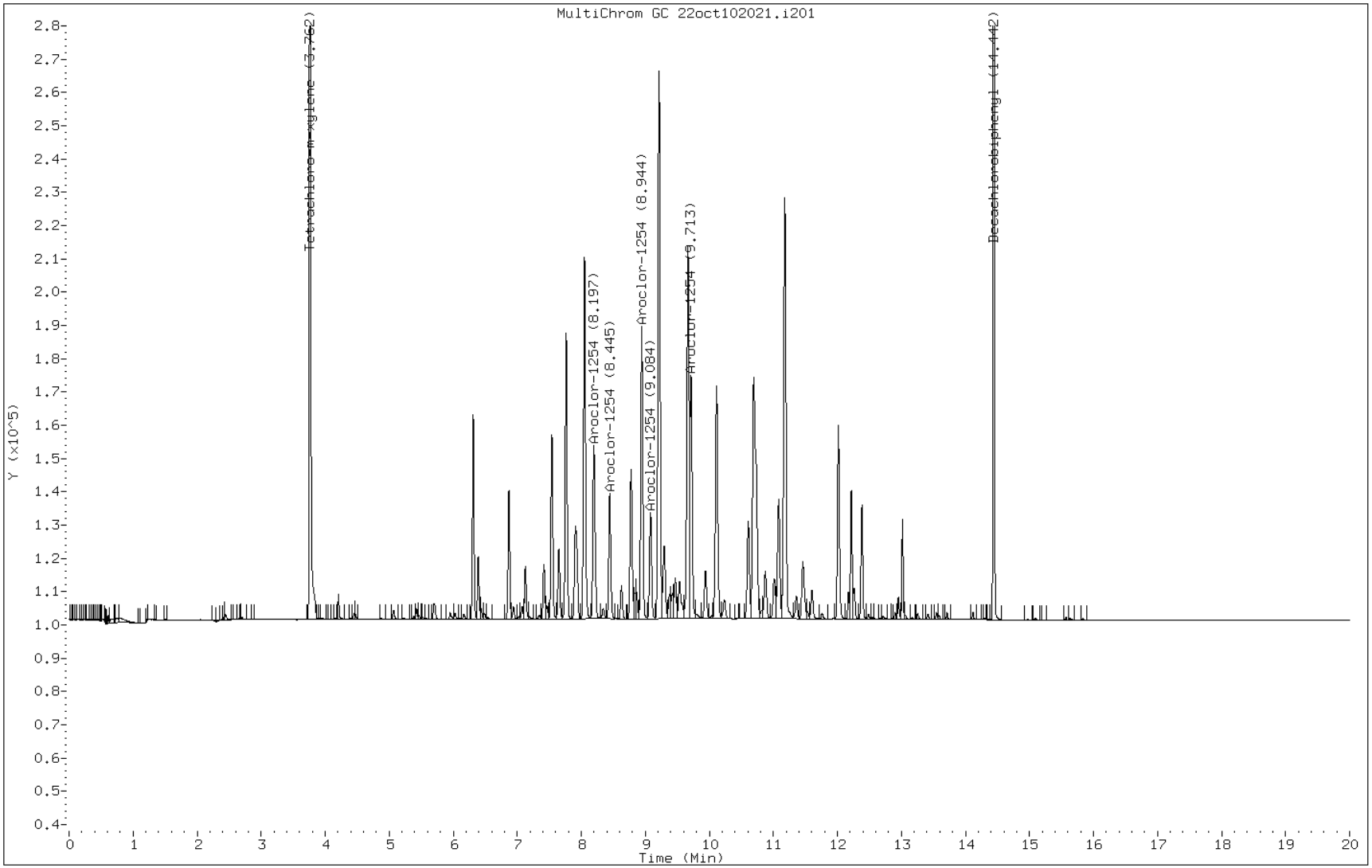
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.762	3.746	0.016	450754	80.0000	77.70	80.00- 120.00	100.00
6 Aroclor-1254					CAS #: 11097-69-1		
8.197	8.188	0.009	52112	800.000	669.1	80.00- 120.00	100.00
8.445	8.434	0.011	37556	800.000	672.1	105.70- 145.70	72.07
8.944	8.935	0.009	87957	800.000	694.7	132.86- 172.86	168.78
9.084	9.073	0.011	31998	800.000	692.0	83.52- 123.52	61.40
9.713	9.705	0.008	73229	800.000	671.5	92.98- 132.98	140.52
Average of Peak Amounts =					679.9		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.442	14.426	0.016	504506	80.0000	74.91	80.00- 120.00	100.00

Data File:	22oct102021-r201.d	Date:	23-OCT-2010 04:06
Client ID:	AR1254_800	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30255,1,AR1254_800		
Lab Sample ID:	IC-30255		



Data File:	22oct102021-r201.d	Date:	23-OCT-2010 04:06
Client ID:	AR1254_800	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	IC-30255,1,AR1254_800		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 04:30 Calibration End Date: 10/23/2010 04:30 Calibration ID: 2839

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/21	22oct102021-r211.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1262 Peak 1	8.864										8.814 - 8.914	8.864
PCB-1262 Peak 2	9.290										9.240 - 9.340	9.290
PCB-1262 Peak 3	9.416										9.366 - 9.466	9.416
PCB-1262 Peak 4	9.997										9.947 - 10.047	9.997
PCB-1262 Peak 5	10.733										10.683 - 10.783	10.733

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 04:30 Calibration End Date: 10/23/2010 04:30 Calibration ID: 2839

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-8378/21	AR1262_200	22oct102021-r211.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1262 Peak 1	86.090				Ave		86						20.0			
PCB-1262 Peak 2	171.15				Ave		171						20.0			
PCB-1262 Peak 3	74.220				Ave		74						20.0			
PCB-1262 Peak 4	365.65				Ave		366						20.0			
PCB-1262 Peak 5	105.58				Ave		106						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 04:30 Calibration End Date: 10/23/2010 04:30 Calibration ID: 2839

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/21	22oct102021-r211.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1262 Peak 1	Ave	17218					200				
PCB-1262 Peak 2	Ave	34229					200				
PCB-1262 Peak 3	Ave	14844					200				
PCB-1262 Peak 4	Ave	73129					200				
PCB-1262 Peak 5	Ave	21116					200				

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r211.d
Lab Smp Id: IC-30289 Client Smp ID: AR1262_200
Inj Date : 23-OCT-2010 04:30
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-30289,1,AR1262_200
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1262STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

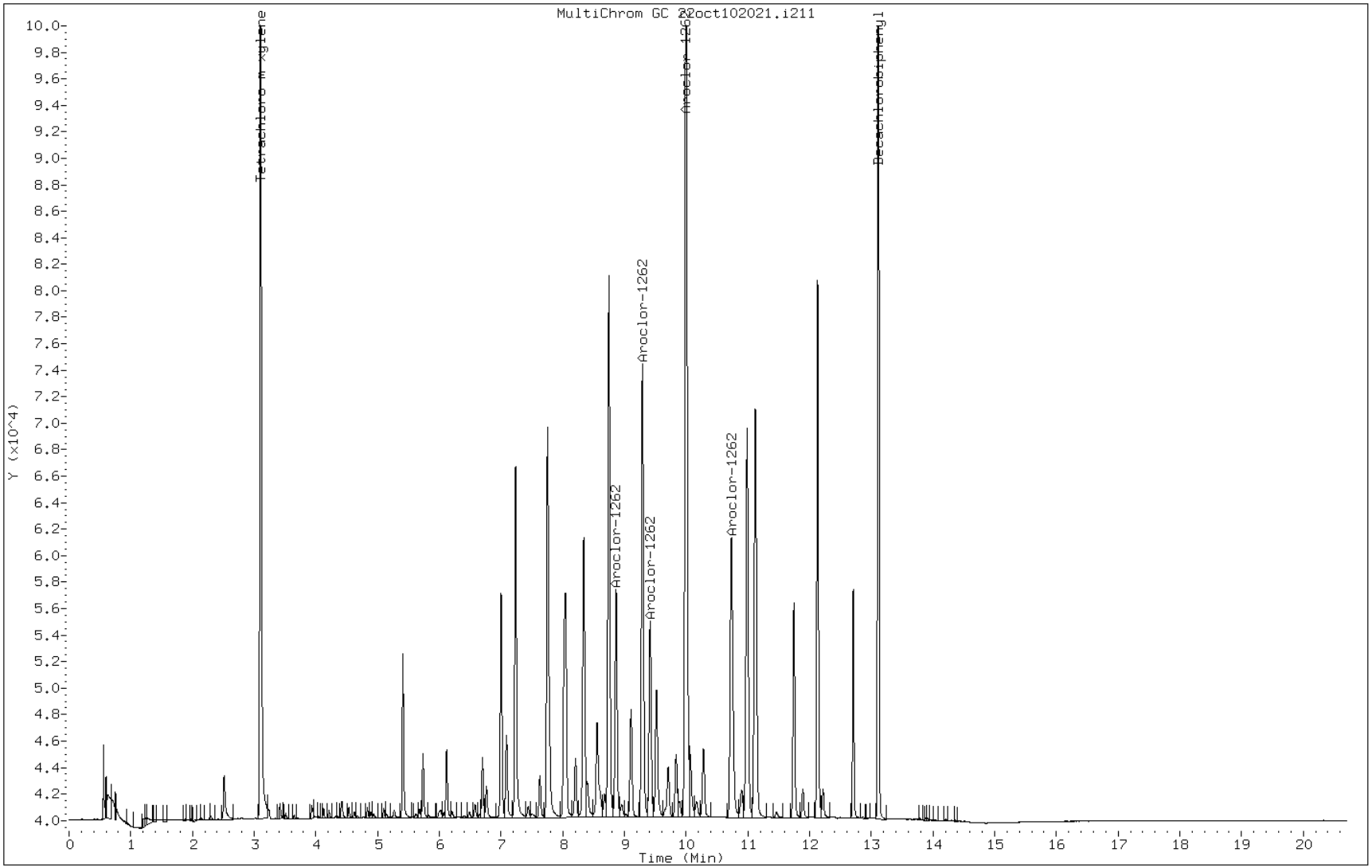
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

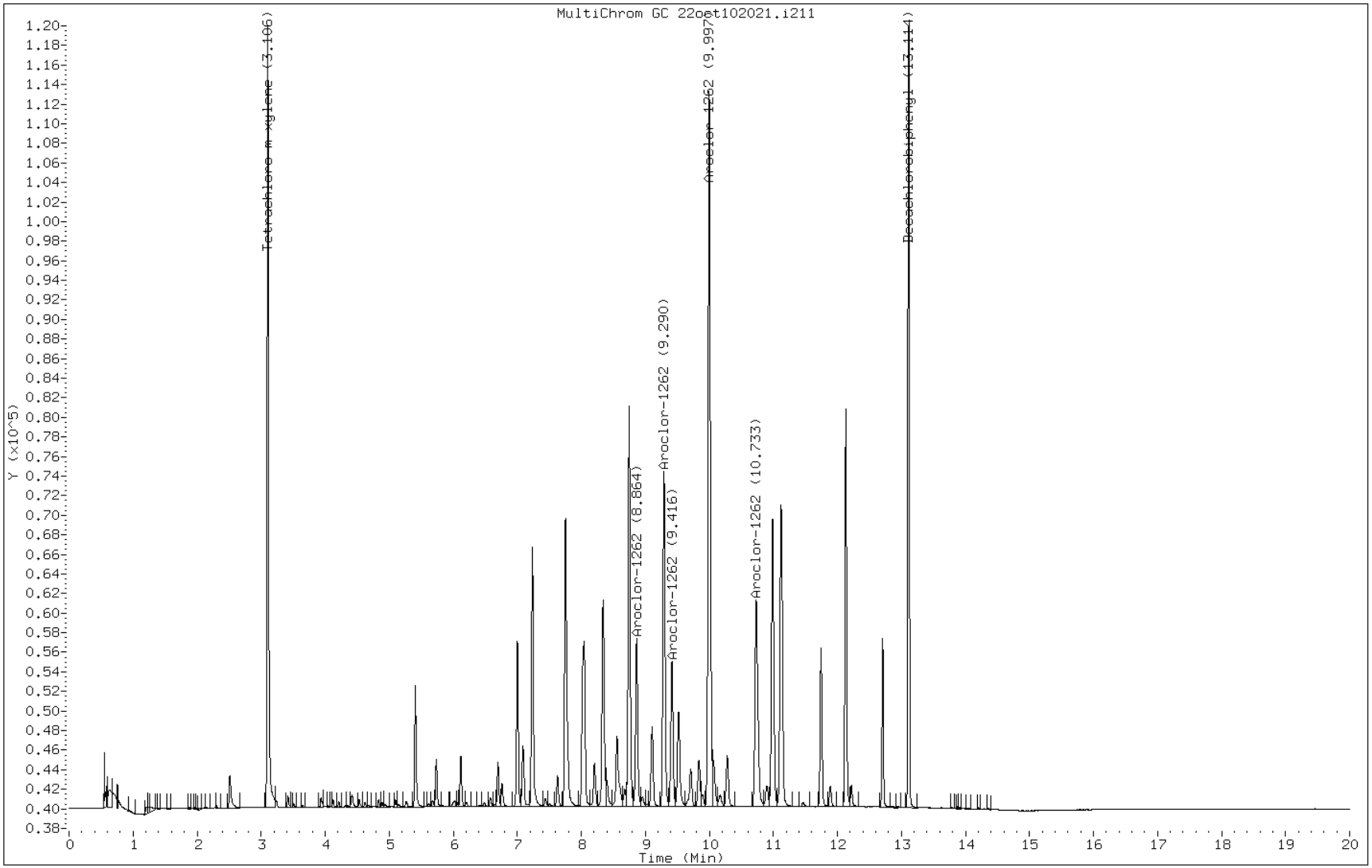
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.106	3.101	0.005	84424	20.0000	23.21	80.00- 120.00	100.00
8 Aroclor-1262					CAS #: 37324-23-5		
8.864	8.864	0.000	17218	200.000	200.0	0.00- 20.00	100.00
9.290	9.290	0.000	34229	200.000	200.0	0.00- 20.00	198.80
9.416	9.416	0.000	14844	200.000	200.0	0.00- 20.00	86.21
9.997	9.997	0.000	73129	200.000	200.0	0.00- 20.00	424.72
10.733	10.733	0.000	21116	200.000	200.0	0.00- 20.00	122.64
Average of Peak Amounts =					200		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.114	13.107	0.007	117781	20.0000	22.27	80.00- 120.00	100.00

Data File:	22oct102021-r211.d	Date:	23-OCT-2010 04:30
Client ID:	AR1262_200	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30289,1,AR1262_200		
Lab Sample ID:	IC-30289		



Data File:	22oct102021-r211.d	Date:	23-OCT-2010 04:30
Client ID:	AR1262_200	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-30289,1,AR1262_200		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 04:30 Calibration End Date: 10/23/2010 04:30 Calibration ID: 2847

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/21	22oct102021-r211.d

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1262 Peak 1	10.115										10.065 - 10.165	10.115
PCB-1262 Peak 2	10.820										10.770 - 10.870	10.820
PCB-1262 Peak 3	11.081										11.031 - 11.131	11.081
PCB-1262 Peak 4	11.489										11.439 - 11.539	11.489
PCB-1262 Peak 5	12.385										12.335 - 12.435	12.385

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 04:30 Calibration End Date: 10/23/2010 04:30 Calibration ID: 2847

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-8378/21	AR1262_200	22oct102021-r211.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1262 Peak 1	171.30				Ave		171						20.0			
PCB-1262 Peak 2	84.155				Ave		84						20.0			
PCB-1262 Peak 3	104.55				Ave		105						20.0			
PCB-1262 Peak 4	123.93				Ave		124						20.0			
PCB-1262 Peak 5	663.18				Ave		663						20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 04:30 Calibration End Date: 10/23/2010 04:30 Calibration ID: 2847

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/21	22oct102021-r211.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
PCB-1262 Peak 1	Ave	34259					200				
PCB-1262 Peak 2	Ave	16831					200				
PCB-1262 Peak 3	Ave	20910					200				
PCB-1262 Peak 4	Ave	24786					200				
PCB-1262 Peak 5	Ave	132635					200				

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r211.d
Lab Smp Id: IC-30289 Client Smp ID: AR1262_200
Inj Date : 23-OCT-2010 04:30
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-30289,1,AR1262_200
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:47 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:08 Cal File: 22oct102021-r301.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1262STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

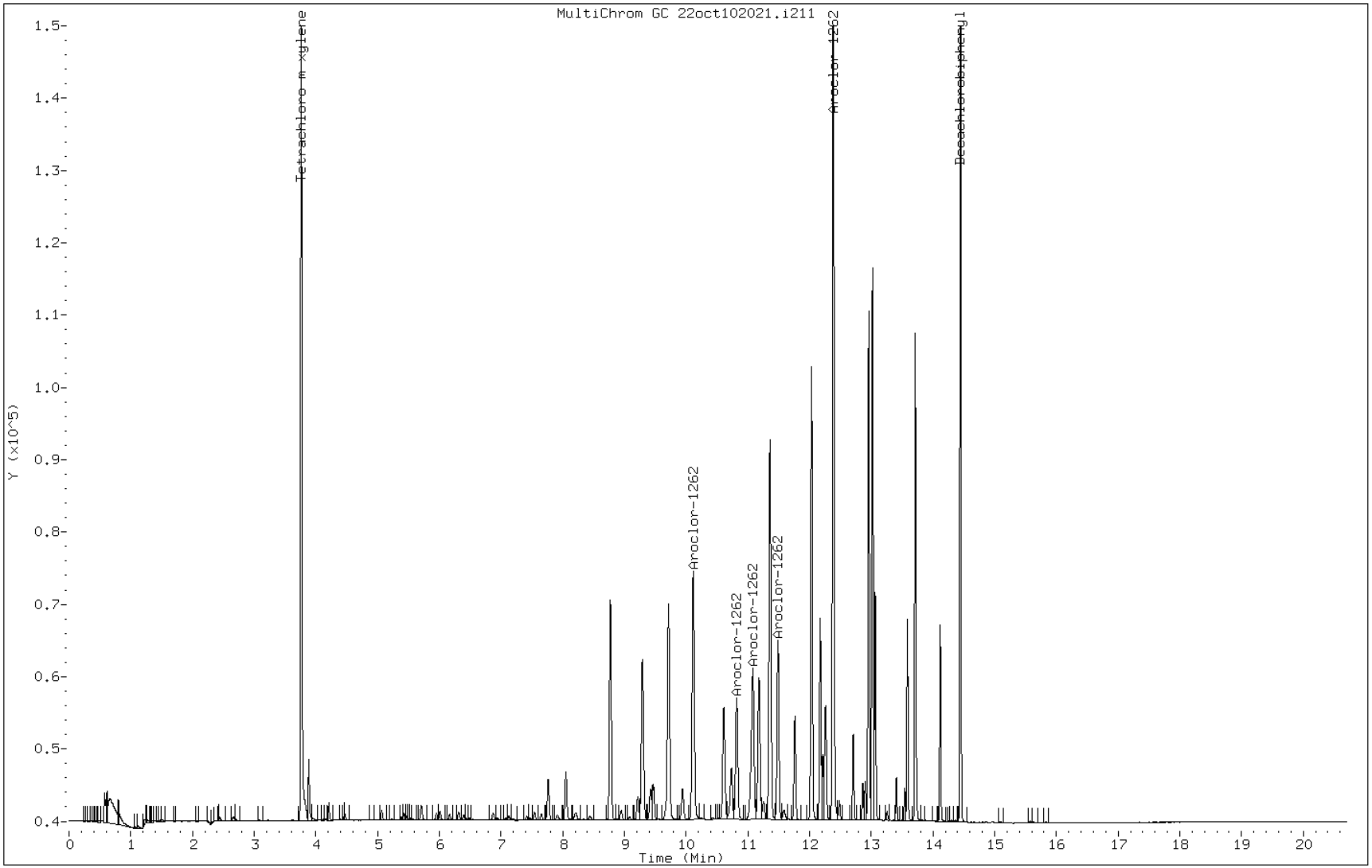
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

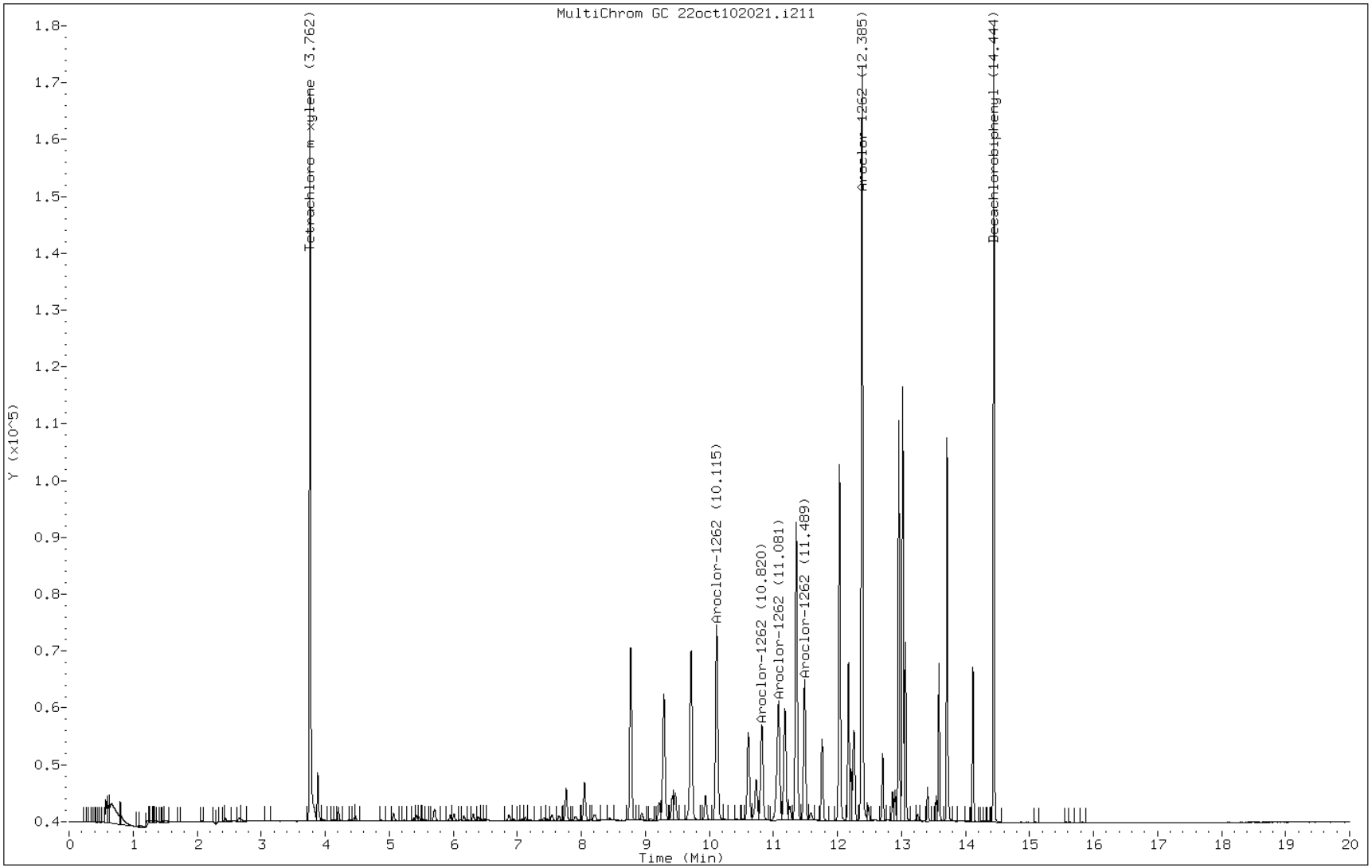
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.762	3.746	0.016	128551	20.0000	22.16	80.00- 120.00	100.00
8 Aroclor-1262					CAS #: 37324-23-5		
10.115	10.115	0.000	34259	200.000	200.0	0.00- 20.00	100.00
10.820	10.820	0.000	16831	200.000	200.0	0.00- 20.00	49.13
11.081	11.081	0.000	20910	200.000	200.0	0.00- 20.00	61.04
11.489	11.489	0.000	24786	200.000	200.0	0.00- 20.00	72.35
12.385	12.385	0.000	132635	200.000	200.0	0.00- 20.00	387.15
Average of Peak Amounts =					200		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.444	14.426	0.018	144469	20.0000	21.45	80.00- 120.00	100.00

Data File:	22oct102021-r211.d	Date:	23-OCT-2010 04:30
Client ID:	AR1262_200	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30289,1,AR1262_200		
Lab Sample ID:	IC-30289		



Data File:	22oct102021-r211.d	Date:	23-OCT-2010 04:30
Client ID:	AR1262_200	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	IC-30289,1,AR1262_200		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 04:54 Calibration End Date: 10/23/2010 06:31 Calibration ID: 2840

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/22	22oct102021-r221.d
Level 2	IC 200-8378/23	22oct102021-r231.d
Level 3	IC 200-8378/24	22oct102021-r241.d
Level 4	IC 200-8378/25	22oct102021-r251.d
Level 5	IC 200-8378/26	22oct102021-r261.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1268 Peak 1	10.995	10.981	10.979	10.979	10.977						10.929 - 11.029	10.982
PCB-1268 Peak 2	11.123	11.112	11.108	11.110	11.106						11.058 - 11.158	11.112
PCB-1268 Peak 3	11.744	11.731	11.731	11.731	11.728						11.681 - 11.781	11.733
PCB-1268 Peak 4	11.892	11.881	11.879	11.881	11.877						11.829 - 11.929	11.882
PCB-1268 Peak 5	12.136	12.125	12.121	12.123	12.121						12.071 - 12.171	12.125

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 04:54 Calibration End Date: 10/23/2010 06:31 Calibration ID: 2840

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-8378/22	AR1268_50	22oct102021-r221.d
Level 2	IC 200-8378/23	AR1268_100	22oct102021-r231.d
Level 3	IC 200-8378/24	AR1268_200	22oct102021-r241.d
Level 4	IC 200-8378/25	AR1268_400	22oct102021-r251.d
Level 5	IC 200-8378/26	AR1268_800	22oct102021-r261.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1268 Peak 1	386.14 404.70	378.28	373.78	388.73	Ave		386				3.1		20.0			
PCB-1268 Peak 2	364.22 393.24	353.93	369.75	369.60	Ave		370				3.9		20.0			
PCB-1268 Peak 3	413.66 449.64	418.05	424.75	421.85	Ave		426				3.3		20.0			
PCB-1268 Peak 4	116.42 105.00	109.93	106.10	103.18	Ave		108				4.9		20.0			
PCB-1268 Peak 5	197.30 213.77	199.94	201.81	199.62	Ave		202				3.2		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 04:54 Calibration End Date: 10/23/2010 06:31 Calibration ID: 2840

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/22	22oct102021-r221.d
Level 2	IC 200-8378/23	22oct102021-r231.d
Level 3	IC 200-8378/24	22oct102021-r241.d
Level 4	IC 200-8378/25	22oct102021-r251.d
Level 5	IC 200-8378/26	22oct102021-r261.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1268 Peak 1	Ave	19307	37828	74756	155490	323763	50.0	100	200	400	800
PCB-1268 Peak 2	Ave	18211	35393	73950	147840	314589	50.0	100	200	400	800
PCB-1268 Peak 3	Ave	20683	41805	84949	168738	359712	50.0	100	200	400	800
PCB-1268 Peak 4	Ave	5821	10993	21219	41272	84001	50.0	100	200	400	800
PCB-1268 Peak 5	Ave	9865	19994	40362	79849	171013	50.0	100	200	400	800

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r221.d
Lab Smp Id: IC-30296 Client Smp ID: AR1268_50
Inj Date : 23-OCT-2010 04:54
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-30296,1,AR1268_50
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

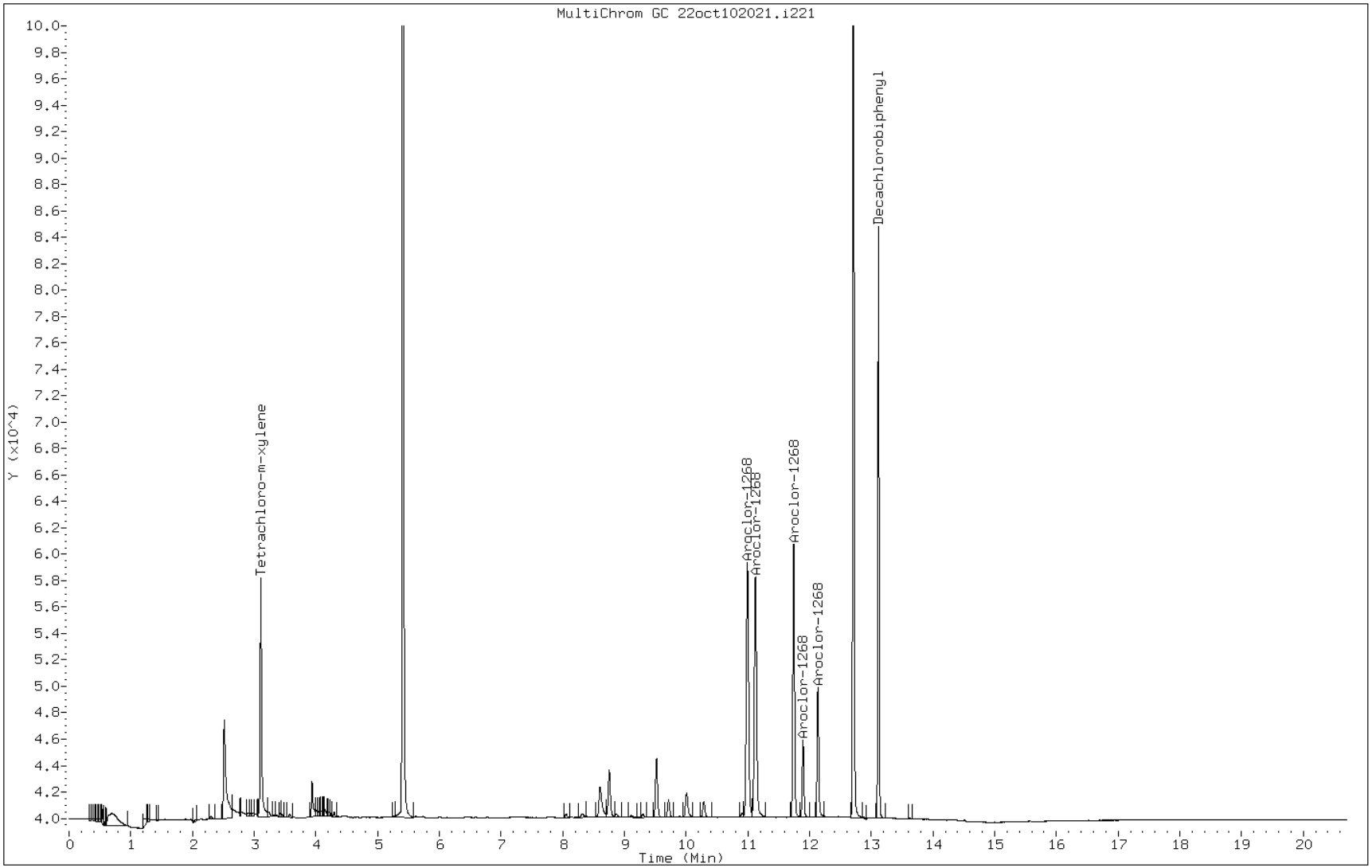
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.108	3.101	0.007	18088	5.00000	4.972	80.00- 120.00	100.00(a)
9 Aroclor-1268					CAS #: 11100-14-4		
10.995	10.979	0.016	19307	50.0000	49.98	0.00- 20.00	100.00
11.123	11.108	0.015	18211	50.0000	49.20	0.00- 20.00	94.32
11.744	11.731	0.013	20683	50.0000	48.60	0.00- 20.00	107.13
11.892	11.879	0.013	5821	50.0000	53.84	0.00- 20.00	30.15
12.136	12.121	0.015	9865	50.0000	48.72	0.00- 20.00	51.10
Average of Peak Amounts =					50.07		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.116	13.107	0.009	44766	5.00000	8.465	80.00- 120.00	100.00

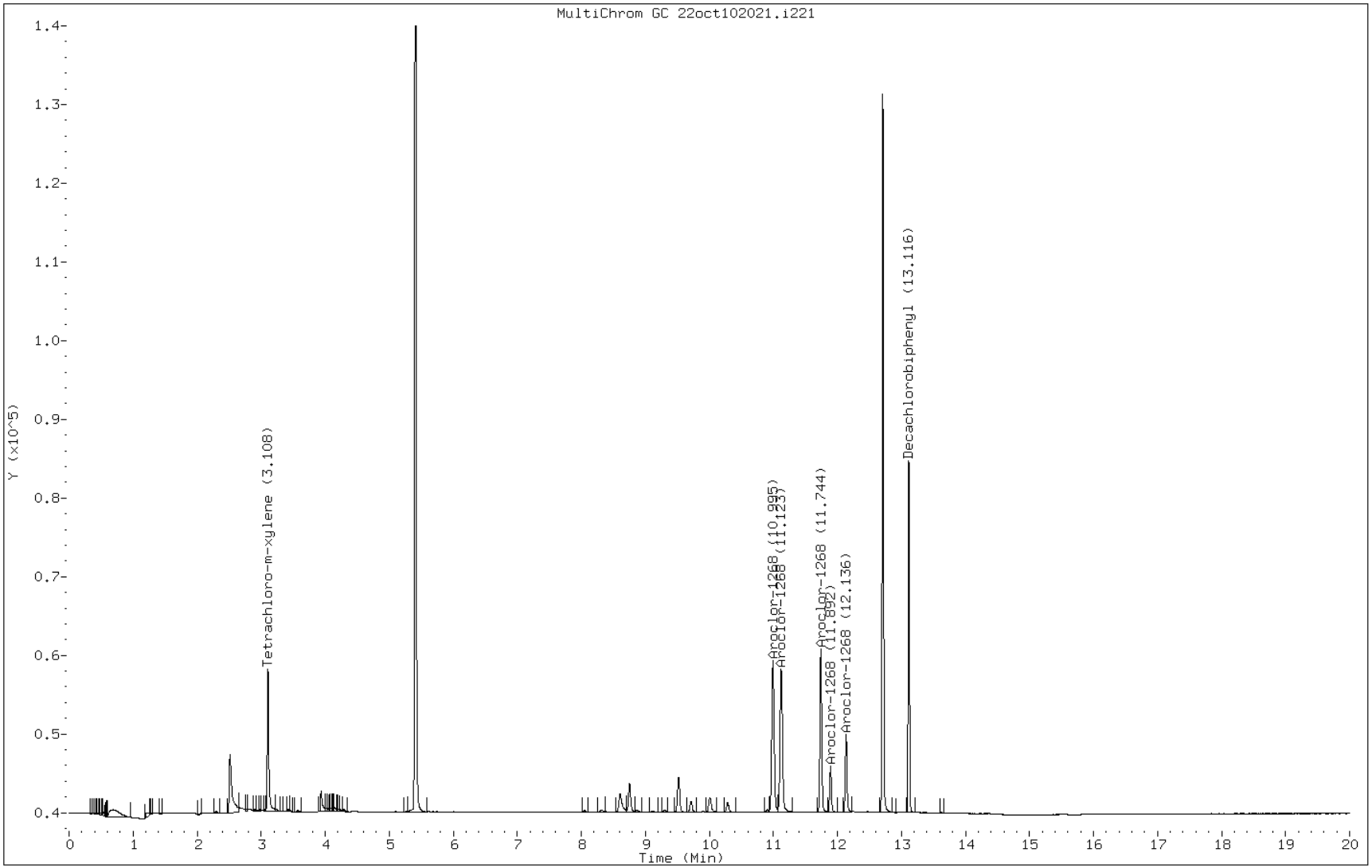
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	22oct102021-r221.d	Date:	23-OCT-2010 04:54
Client ID:	AR1268_50	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30296,1,AR1268_50		
Lab Sample ID:	IC-30296		



Data File:	22oct102021-r221.d	Date:	23-OCT-2010 04:54
Client ID:	AR1268_50	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-30296,1,AR1268_50		



TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r231.d
Lab Smp Id: IC-30295 Client Smp ID: AR1268_100
Inj Date : 23-OCT-2010 05:18
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-30295,1,AR1268_100
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

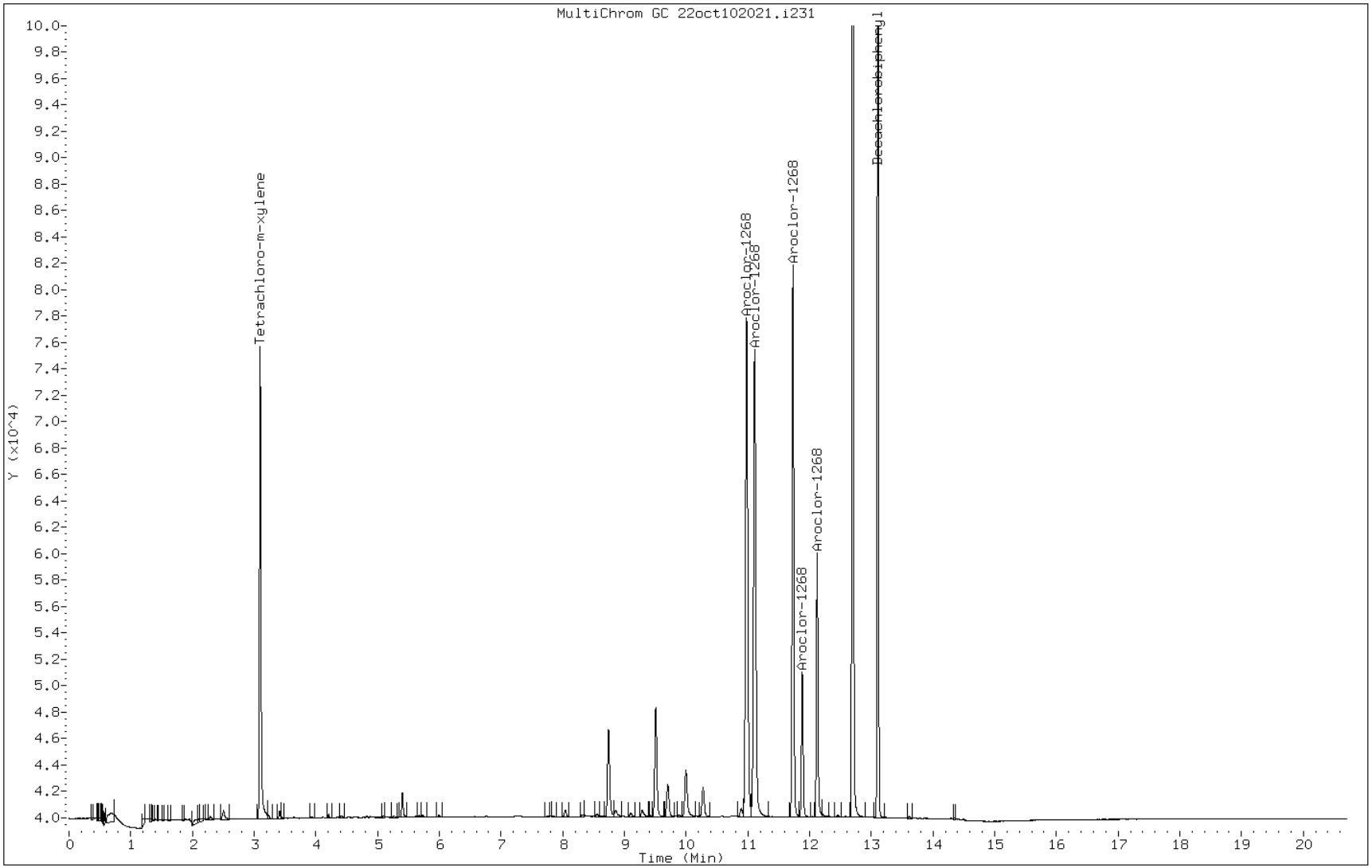
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

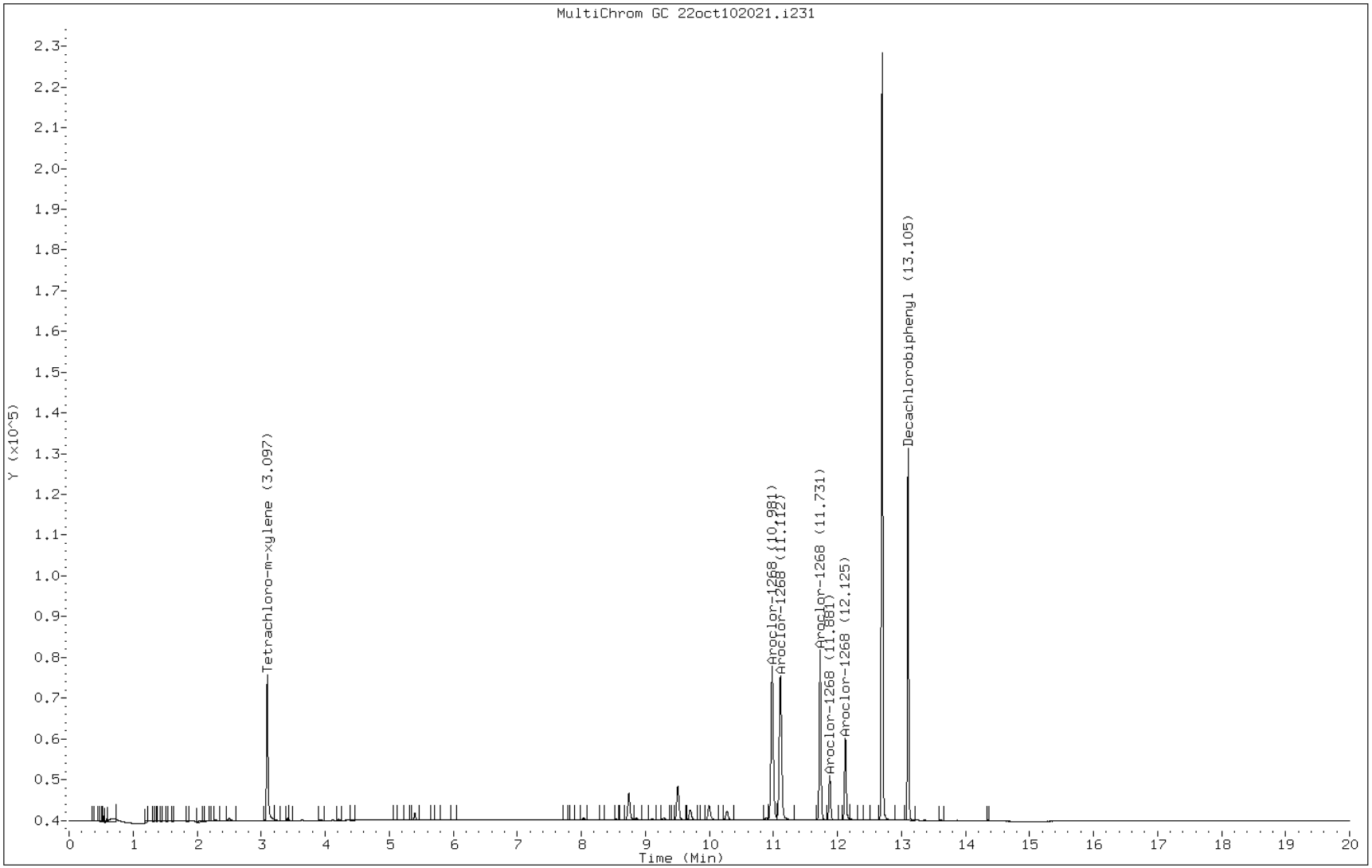
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.097	3.101	-0.004	35822	10.0000	9.847	80.00- 120.00	100.00
9 Aroclor-1268					CAS #: 11100-14-4		
10.981	10.979	0.002	37828	100.000	97.92	0.00- 20.00	100.00
11.112	11.108	0.004	35393	100.000	95.62	0.00- 20.00	93.56
11.731	11.731	0.000	41805	100.000	98.23	0.00- 20.00	110.51
11.881	11.879	0.002	10993	100.000	101.7	0.00- 20.00	29.06
12.125	12.121	0.004	19994	100.000	98.74	0.00- 20.00	52.86
Average of Peak Amounts =					98.44		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.105	13.107	-0.002	91248	10.0000	17.25	80.00- 120.00	100.00

Data File:	22oct102021-r231.d	Date:	23-OCT-2010 05:18
Client ID:	AR1268_100	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30295,1,AR1268_100		
Lab Sample ID:	IC-30295		



Data File:	22oct102021-r231.d	Date:	23-OCT-2010 05:18
Client ID:	AR1268_100	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-30295,1,AR1268_100		



TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r241.d
Lab Smp Id: IC-30294 Client Smp ID: AR1268_200
Inj Date : 23-OCT-2010 05:43
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-30294,1,AR1268_200
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

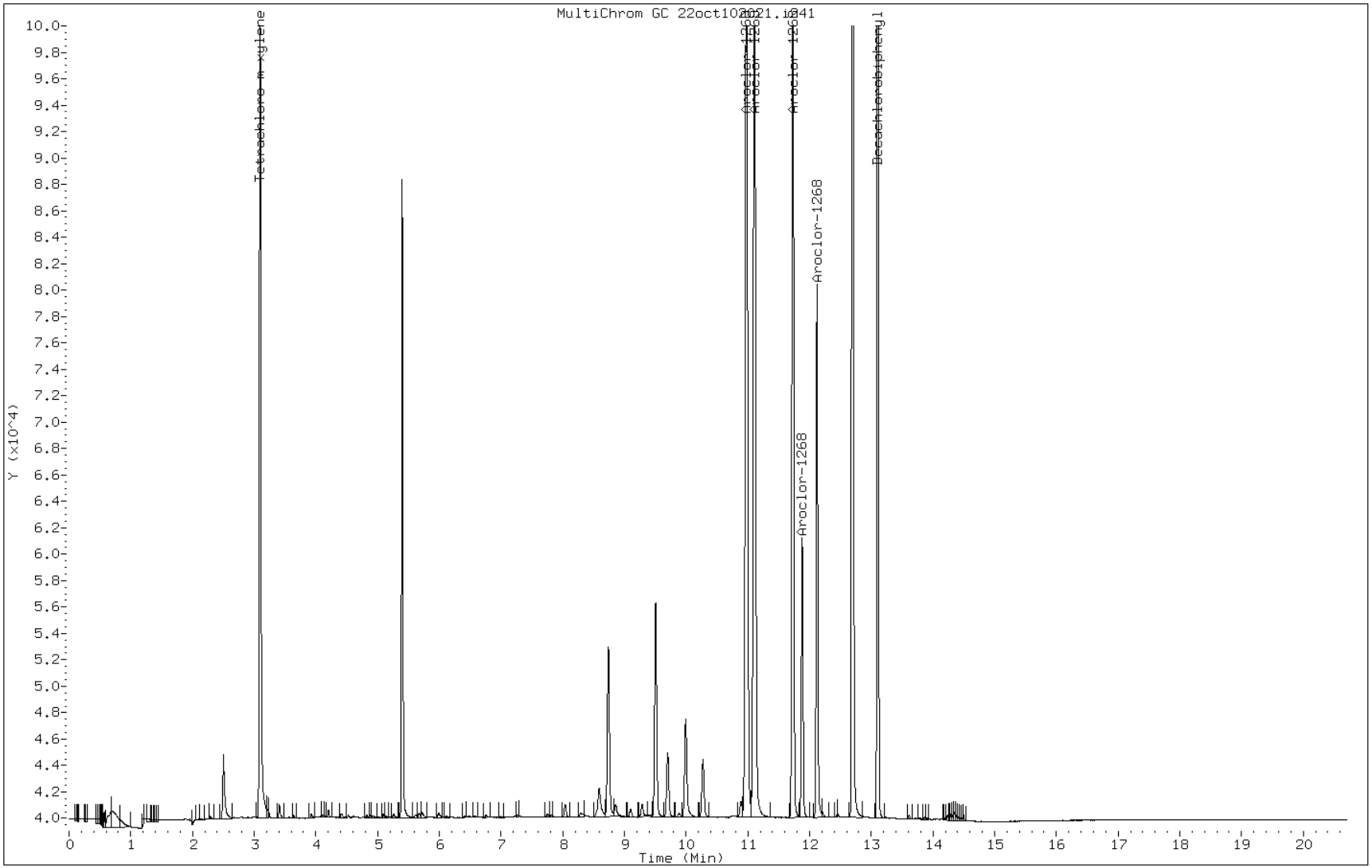
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

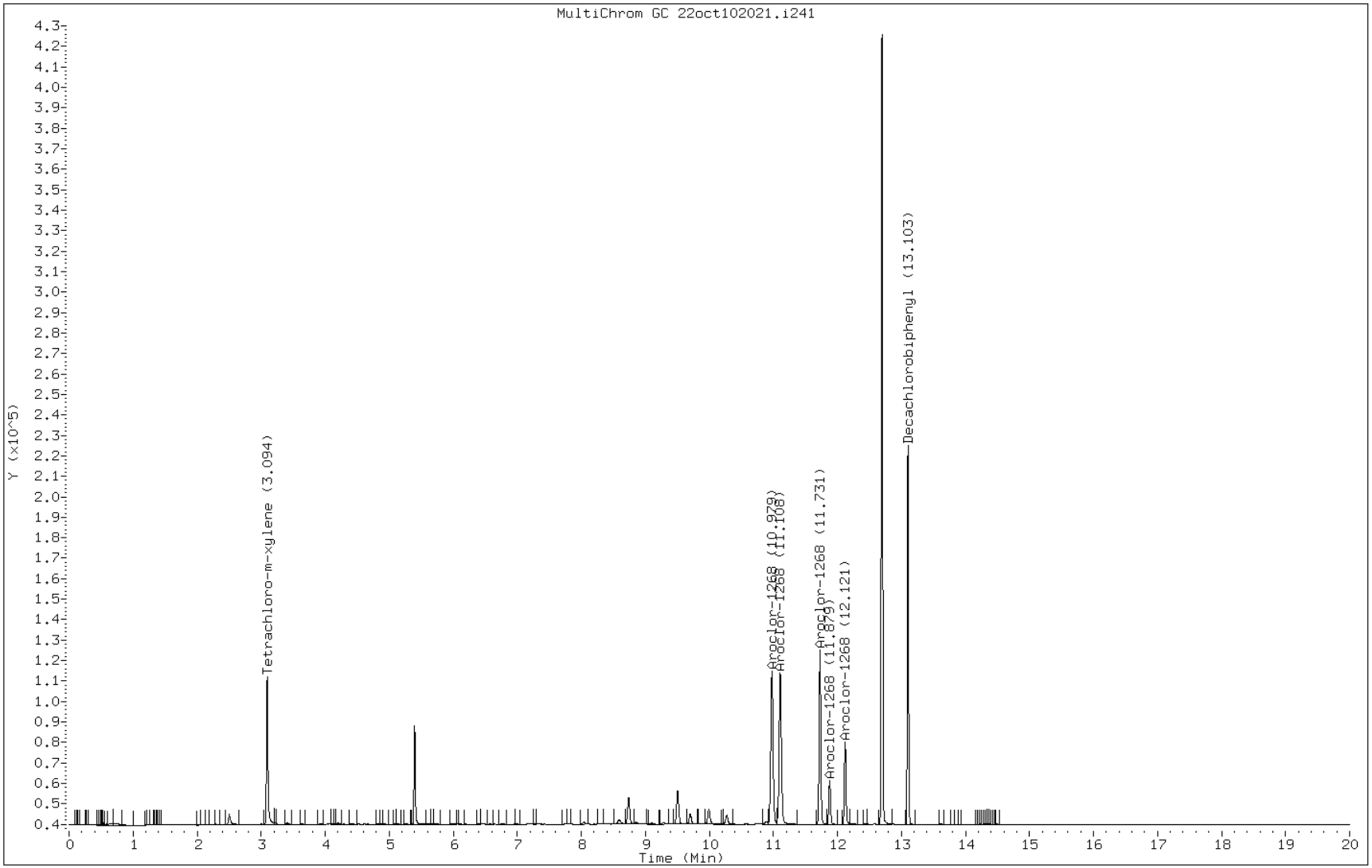
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.094	3.101	-0.007	71872	20.0000	19.76	80.00- 120.00	100.00
9 Aroclor-1268					CAS #: 11100-14-4		
10.979	10.979	0.000	74756	200.000	193.5	0.00- 20.00	100.00
11.108	11.108	0.000	73950	200.000	199.8	0.00- 20.00	98.92
11.731	11.731	0.000	84949	200.000	199.6	0.00- 20.00	113.64
11.879	11.879	0.000	21219	200.000	196.2	0.00- 20.00	28.38
12.121	12.121	0.000	40362	200.000	199.3	0.00- 20.00	53.99
Average of Peak Amounts =					197.7		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.103	13.107	-0.004	184885	20.0000	34.96	80.00- 120.00	100.00

Data File:	22oct102021-r241.d	Date:	23-OCT-2010 05:43
Client ID:	AR1268_200	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30294,1,AR1268_200		
Lab Sample ID:	IC-30294		



Data File:	22oct102021-r241.d	Date:	23-OCT-2010 05:43
Client ID:	AR1268_200	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-30294,1,AR1268_200		



TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r251.d
Lab Smp Id: IC-30293 Client Smp ID: AR1268_400
Inj Date : 23-OCT-2010 06:07
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-30293,1,AR1268_400
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

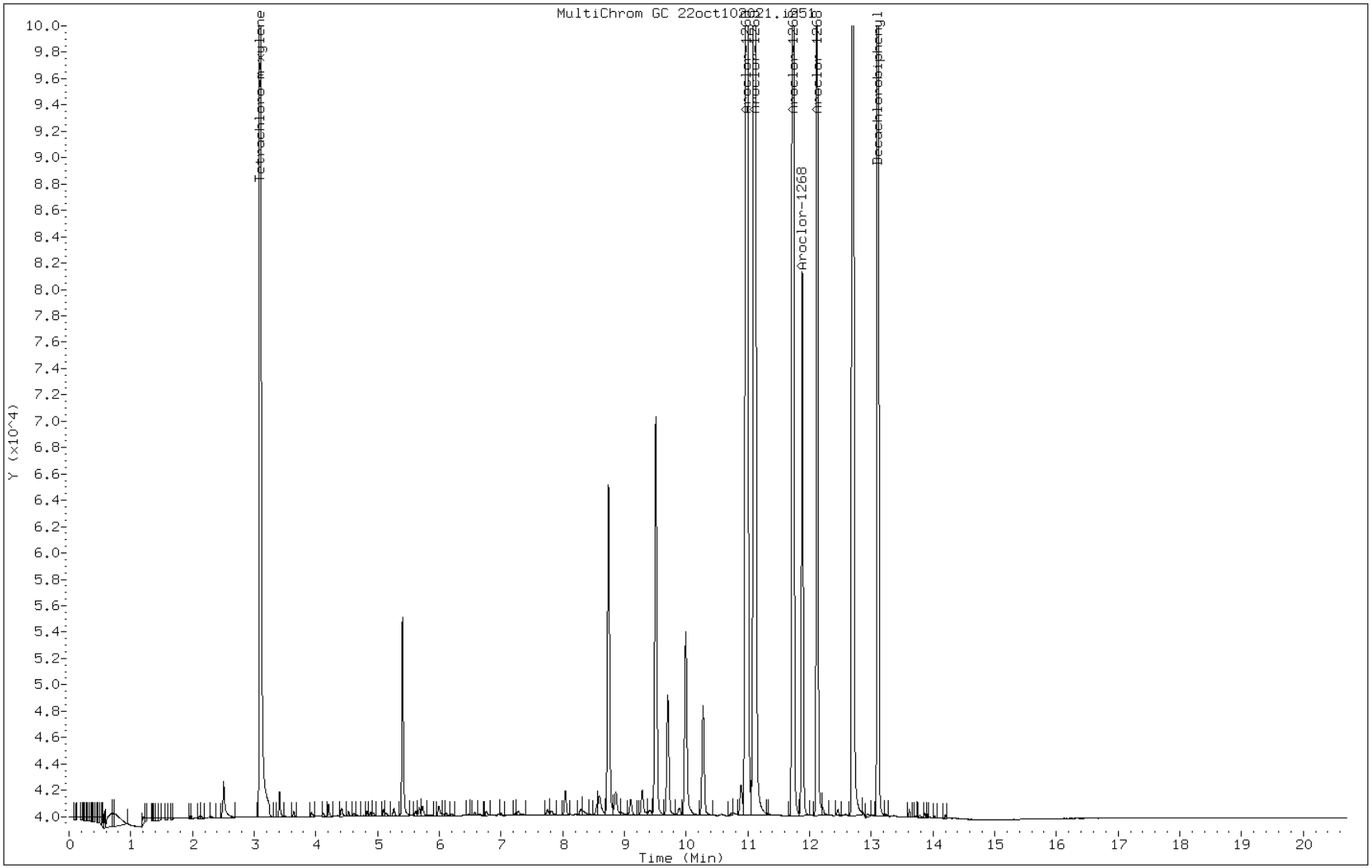
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

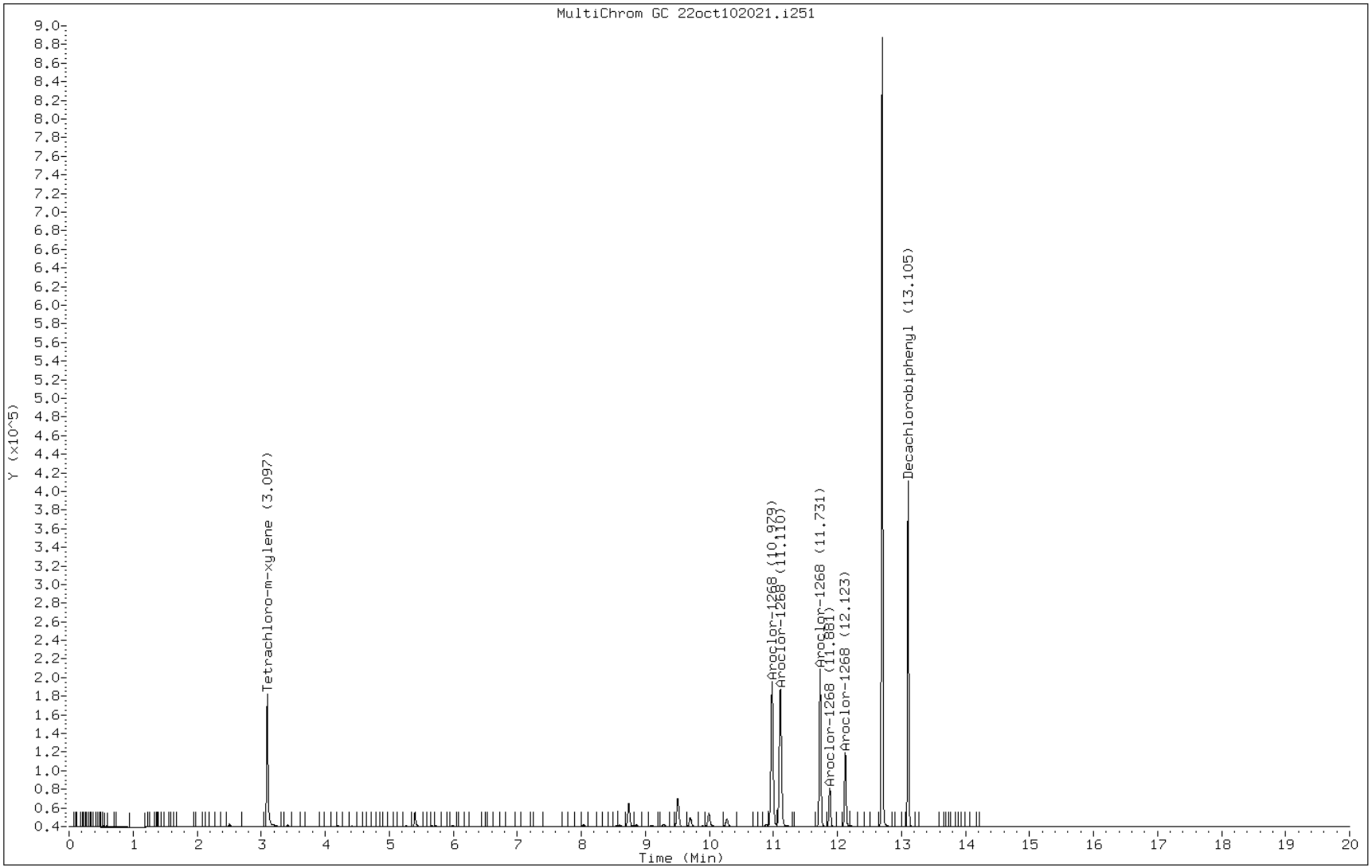
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.097	3.101	-0.004	142745	40.0000	39.24	80.00- 120.00	100.00
9 Aroclor-1268					CAS #: 11100-14-4		
10.979	10.979	0.000	155490	400.000	402.5	0.00- 20.00	100.00
11.110	11.108	0.002	147840	400.000	399.4	0.00- 20.00	95.08
11.731	11.731	0.000	168738	400.000	396.5	0.00- 20.00	108.52
11.881	11.879	0.002	41272	400.000	381.7	0.00- 20.00	26.54
12.123	12.121	0.002	79849	400.000	394.3	0.00- 20.00	51.35
Average of Peak Amounts =					394.9		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.105	13.107	-0.002	371023	40.0000	70.16	80.00- 120.00	100.00

Data File:	22oct102021-r251.d	Date:	23-OCT-2010 06:07
Client ID:	AR1268_400	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30293,1,AR1268_400		
Lab Sample ID:	IC-30293		



Data File:	22oct102021-r251.d	Date:	23-OCT-2010 06:07
Client ID:	AR1268_400	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-30293,1,AR1268_400		



TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r261.d
Lab Smp Id: IC-30292 Client Smp ID: AR1268_800
Inj Date : 23-OCT-2010 06:31
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-30292,1,AR1268_800
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

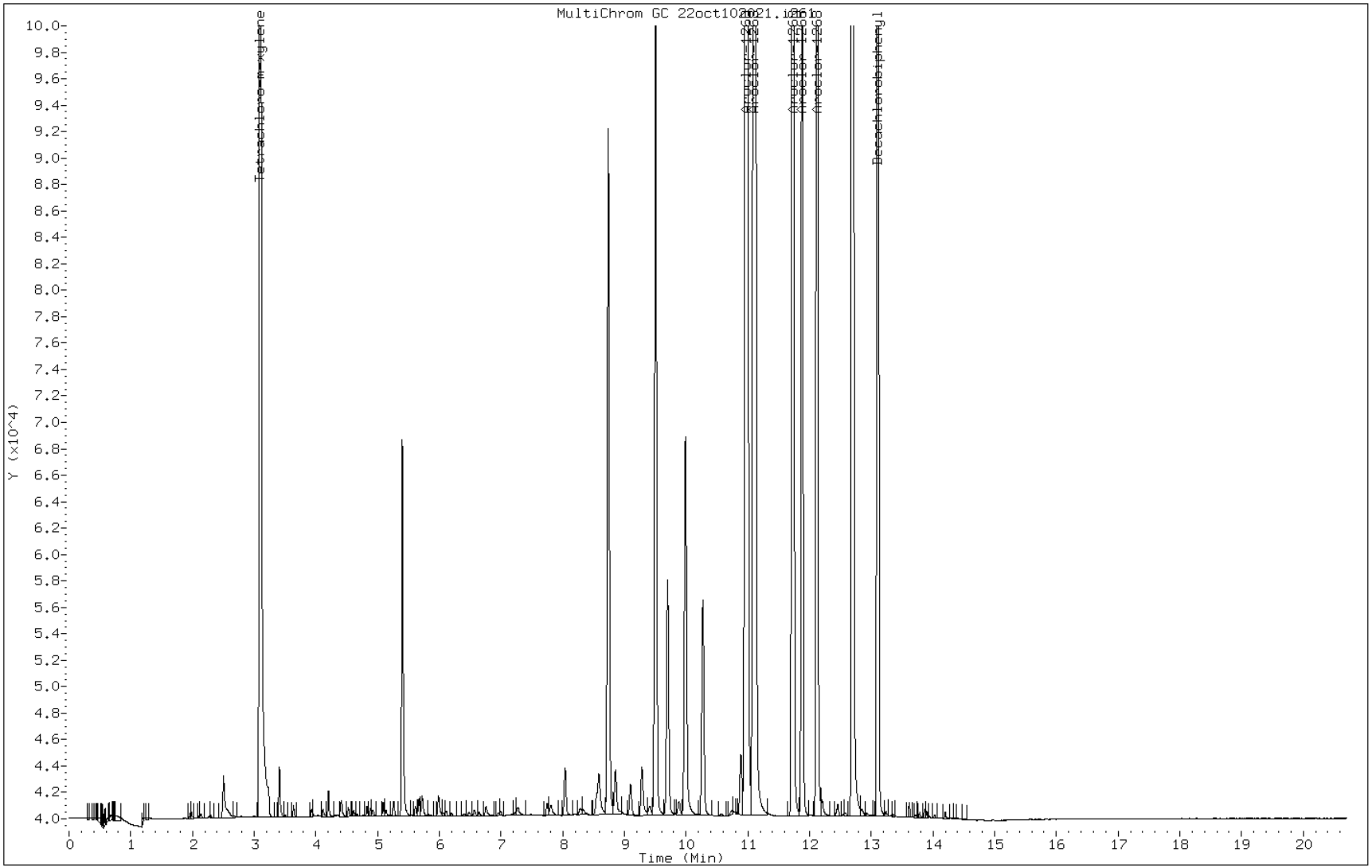
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.094	3.101	-0.007	298051	80.0000	81.93	80.00- 120.00	100.00(A)
9 Aroclor-1268					CAS #: 11100-14-4		
10.977	10.979	-0.002	323763	800.000	838.1	0.00- 20.00	100.00(A)
11.105	11.108	-0.003	314589	800.000	849.9	0.00- 20.00	97.17
11.728	11.731	-0.003	359712	800.000	845.2	0.00- 20.00	111.10
11.877	11.879	-0.002	84001	800.000	776.9	0.00- 20.00	25.95
12.121	12.121	0.000	171013	800.000	844.6	0.00- 20.00	52.82
Average of Peak Amounts =					830.9		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.103	13.107	-0.004	777904	80.0000	147.1	80.00- 120.00	100.00(A)

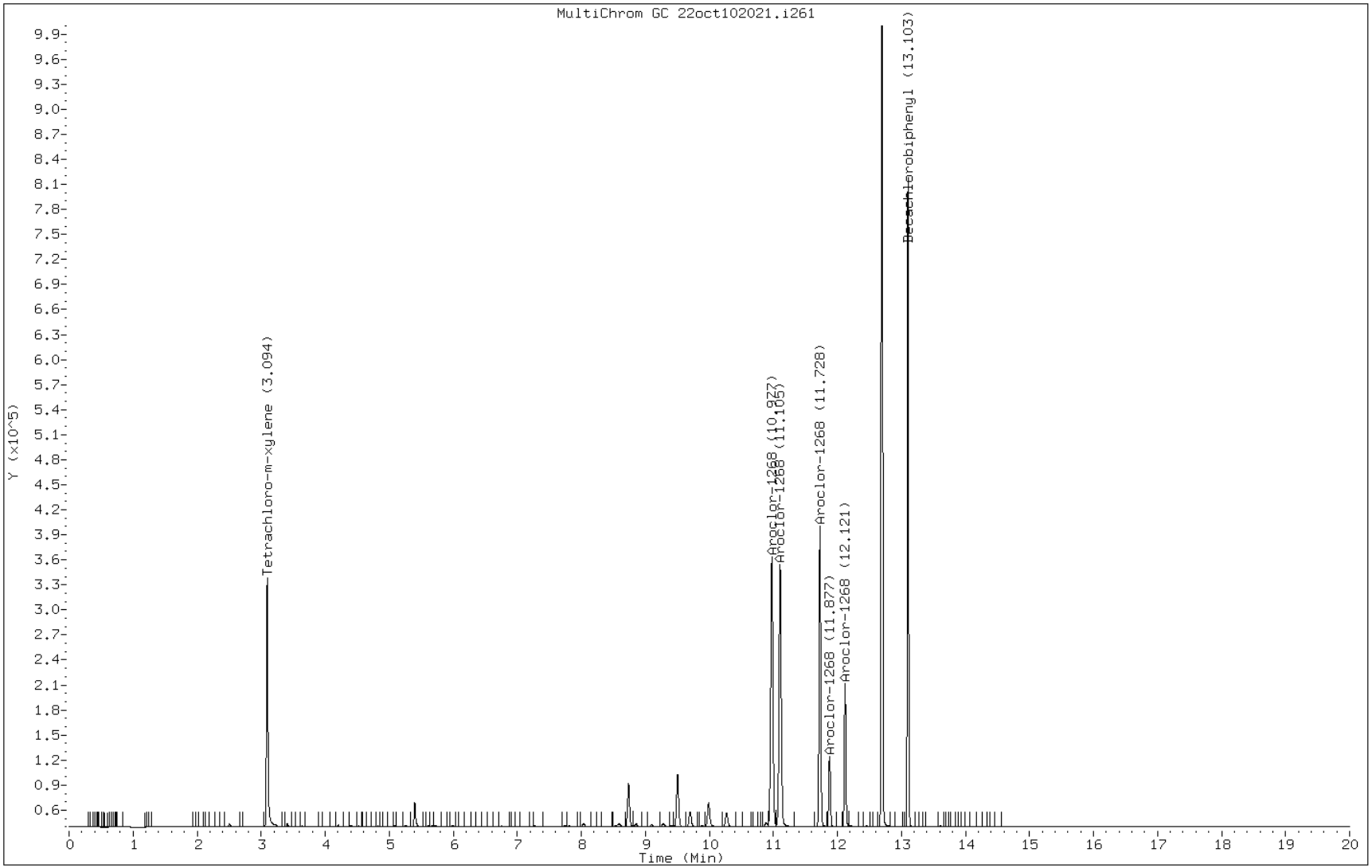
QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File:	22oct102021-r261.d	Date:	23-OCT-2010 06:31
Client ID:	AR1268_800	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30292,1,AR1268_800		
Lab Sample ID:	IC-30292		



Data File:	22oct102021-r261.d	Date:	23-OCT-2010 06:31
Client ID:	AR1268_800	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-30292,1,AR1268_800		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 04:54 Calibration End Date: 10/23/2010 06:31 Calibration ID: 2848

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/22	22oct102021-r221.d
Level 2	IC 200-8378/23	22oct102021-r231.d
Level 3	IC 200-8378/24	22oct102021-r241.d
Level 4	IC 200-8378/25	22oct102021-r251.d
Level 5	IC 200-8378/26	22oct102021-r261.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1268 Peak 1	12.963	12.948	12.952	12.943	12.952						12.902 - 13.002	12.952
PCB-1268 Peak 2	13.027	13.012	13.016	13.007	13.016						12.966 - 13.066	13.016
PCB-1268 Peak 3	13.411	13.395	13.400	13.393	13.400						13.350 - 13.450	13.400
PCB-1268 Peak 4	13.546	13.528	13.533	13.526	13.533						13.483 - 13.583	13.533
PCB-1268 Peak 5	13.717	13.699	13.703	13.697	13.703						13.653 - 13.753	13.704

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 04:54 Calibration End Date: 10/23/2010 06:31 Calibration ID: 2848

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-8378/22	AR1268_50	22oct102021-r221.d
Level 2	IC 200-8378/23	AR1268_100	22oct102021-r231.d
Level 3	IC 200-8378/24	AR1268_200	22oct102021-r241.d
Level 4	IC 200-8378/25	AR1268_400	22oct102021-r251.d
Level 5	IC 200-8378/26	AR1268_800	22oct102021-r261.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1268 Peak 1	846.70 828.06	791.58	765.48	788.90	Ave		804				4.1		20.0			
PCB-1268 Peak 2	729.72 673.77	676.42	659.60	636.78	Ave		675				5.1		20.0			
PCB-1268 Peak 3	730.40 692.34	693.65	669.31	651.73	Ave		687				4.3		20.0			
PCB-1268 Peak 4	221.32 164.33	201.75	186.21	170.09	Ave		189				12.4		20.0			
PCB-1268 Peak 5	377.00 318.11	352.35	334.27	308.30	Ave		338				8.1		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 04:54 Calibration End Date: 10/23/2010 06:31 Calibration ID: 2848

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/22	22oct102021-r221.d
Level 2	IC 200-8378/23	22oct102021-r231.d
Level 3	IC 200-8378/24	22oct102021-r241.d
Level 4	IC 200-8378/25	22oct102021-r251.d
Level 5	IC 200-8378/26	22oct102021-r261.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1268 Peak 1	Ave	42335	79158	153095	315559	662445	50.0	100	200	400	800
PCB-1268 Peak 2	Ave	36486	67642	131920	254713	539012	50.0	100	200	400	800
PCB-1268 Peak 3	Ave	36520	69365	133861	260690	553868	50.0	100	200	400	800
PCB-1268 Peak 4	Ave	11066	20175	37241	68034	131467	50.0	100	200	400	800
PCB-1268 Peak 5	Ave	18850	35235	66853	123320	254489	50.0	100	200	400	800

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r221.d
Lab Smp Id: IC-30296 Client Smp ID: AR1268_50
Inj Date : 23-OCT-2010 04:54
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-30296,1,AR1268_50
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:47 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 07:20 Cal File: 22oct102021-r281.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

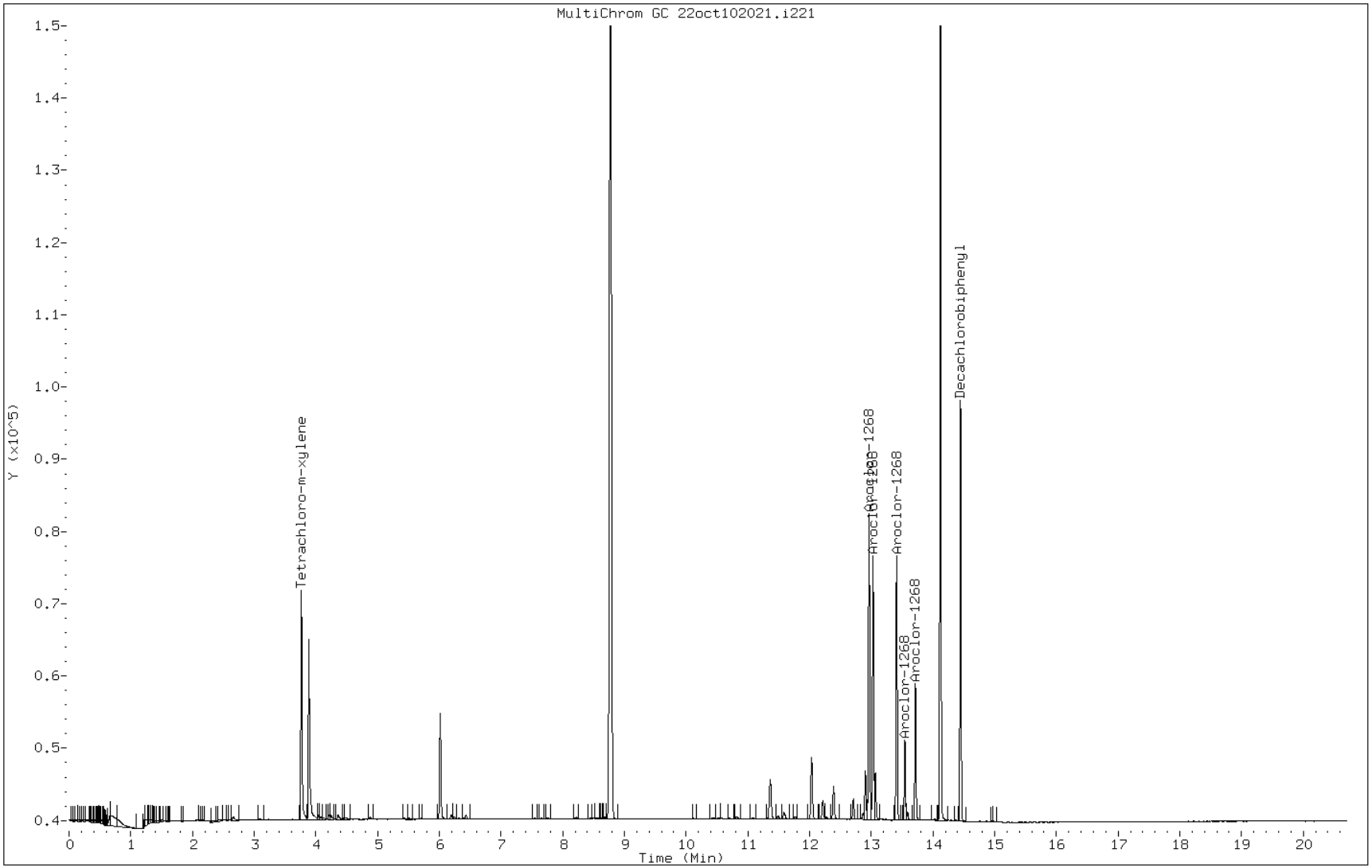
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

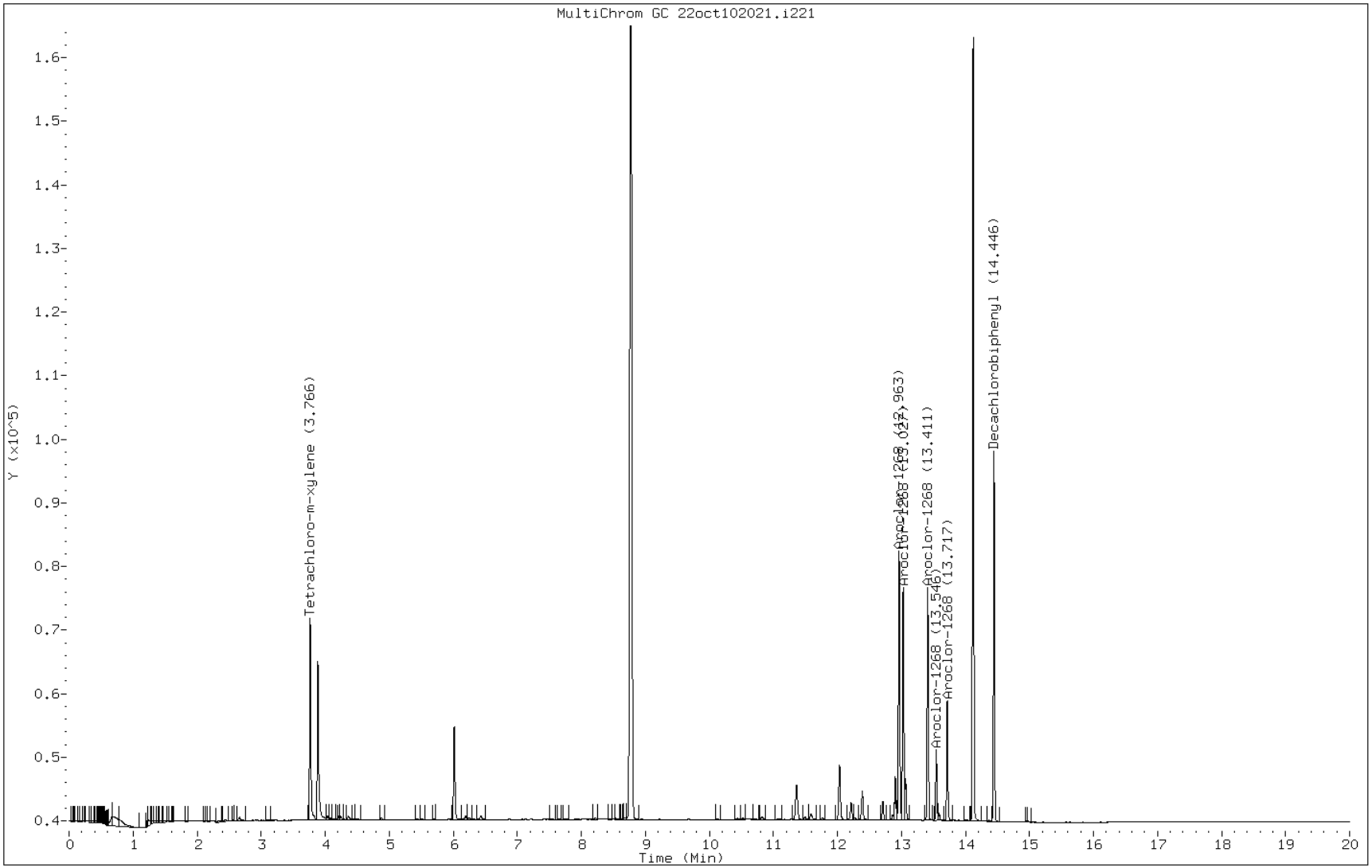
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.766	3.746	0.020	31799	5.00000	5.481	80.00- 120.00	100.00
9 Aroclor-1268					CAS #: 11100-14-4		
12.963	12.952	0.011	42335	50.0000	52.65	0.00- 20.00	100.00
13.027	13.016	0.011	36486	50.0000	54.03	0.00- 20.00	86.18
13.411	13.400	0.011	36520	50.0000	53.12	0.00- 20.00	86.26
13.546	13.533	0.013	11066	50.0000	58.63	0.00- 20.00	26.14
13.717	13.703	0.014	18850	50.0000	55.77	0.00- 20.00	44.53
Average of Peak Amounts =					54.84		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.446	14.426	0.020	58237	5.00000	8.647	80.00- 120.00	100.00

Data File:	22oct102021-r221.d	Date:	23-OCT-2010 04:54
Client ID:	AR1268_50	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30296,1,AR1268_50		
Lab Sample ID:	IC-30296		



Data File:	22oct102021-r221.d	Date:	23-OCT-2010 04:54
Client ID:	AR1268_50	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	IC-30296,1,AR1268_50		



TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r231.d
Lab Smp Id: IC-30295 Client Smp ID: AR1268_100
Inj Date : 23-OCT-2010 05:18
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-30295,1,AR1268_100
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:47 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 07:44 Cal File: 22oct102021-r291.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

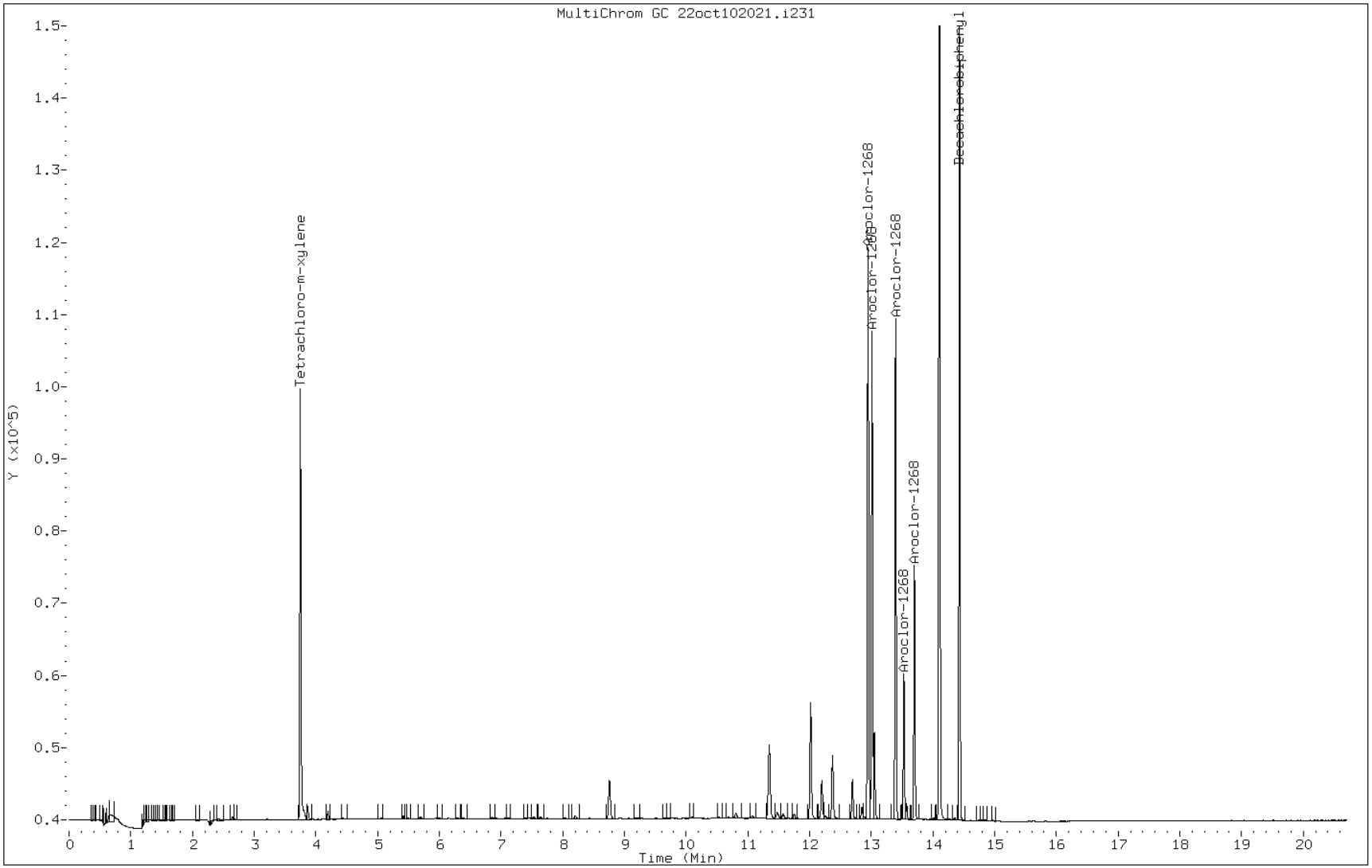
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

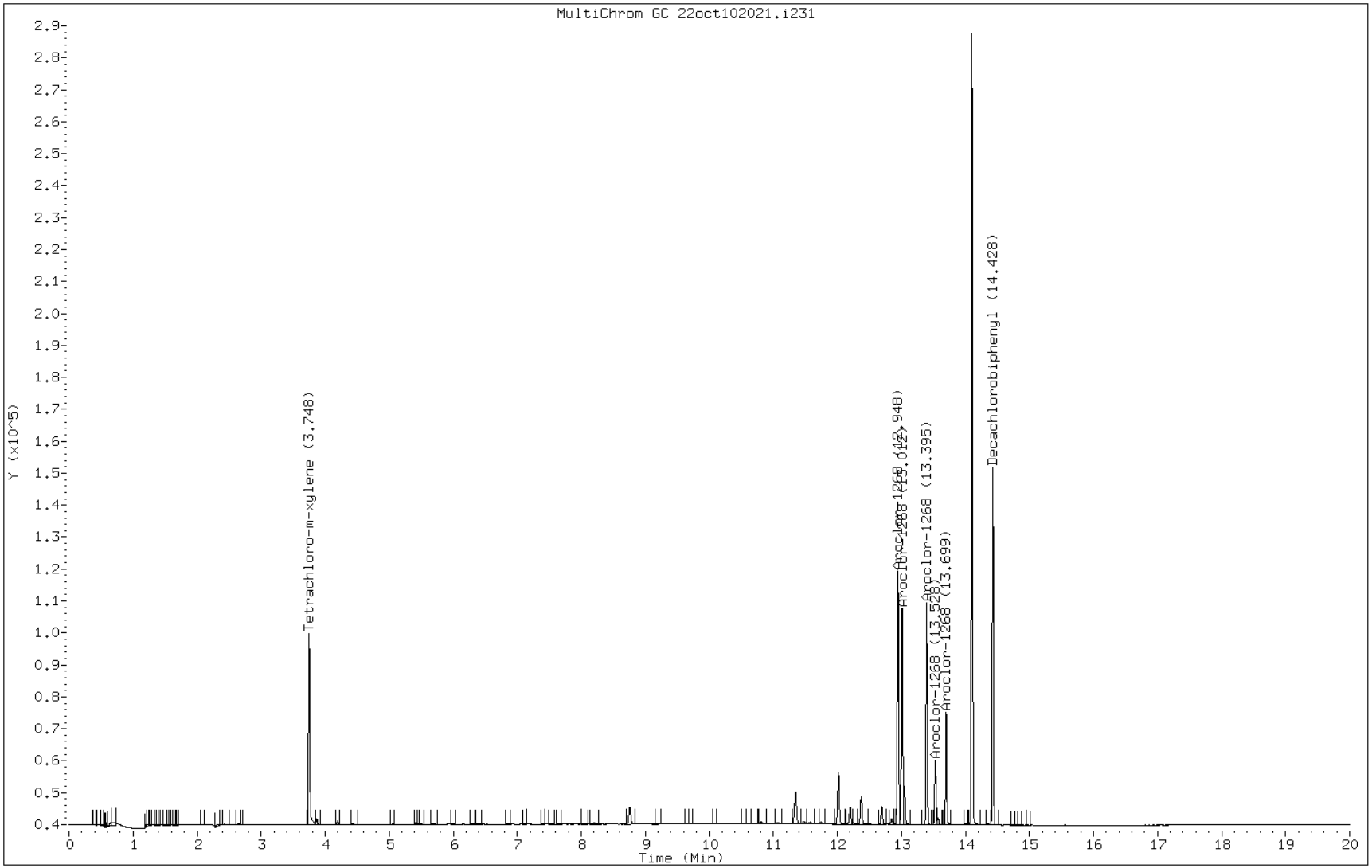
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.748	3.746	0.002	59737	10.0000	10.30	80.00- 120.00	100.00
9 Aroclor-1268					CAS #: 11100-14-4		
12.948	12.952	-0.004	79158	100.000	98.44	0.00- 20.00	100.00
13.012	13.016	-0.004	67642	100.000	100.2	0.00- 20.00	85.45
13.395	13.400	-0.005	69365	100.000	100.9	0.00- 20.00	87.63
13.528	13.533	-0.005	20175	100.000	106.9	0.00- 20.00	25.49
13.699	13.703	-0.004	35235	100.000	104.2	0.00- 20.00	44.51
Average of Peak Amounts =					102.1		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.428	14.426	0.002	111922	10.0000	16.62	80.00- 120.00	100.00

Data File:	22oct102021-r231.d	Date:	23-OCT-2010 05:18
Client ID:	AR1268_100	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30295,1,AR1268_100		
Lab Sample ID:	IC-30295		



Data File:	22oct102021-r231.d	Date:	23-OCT-2010 05:18
Client ID:	AR1268_100	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	IC-30295,1,AR1268_100		



TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r241.d
Lab Smp Id: IC-30294 Client Smp ID: AR1268_200
Inj Date : 23-OCT-2010 05:43
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-30294,1,AR1268_200
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:47 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:08 Cal File: 22oct102021-r301.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

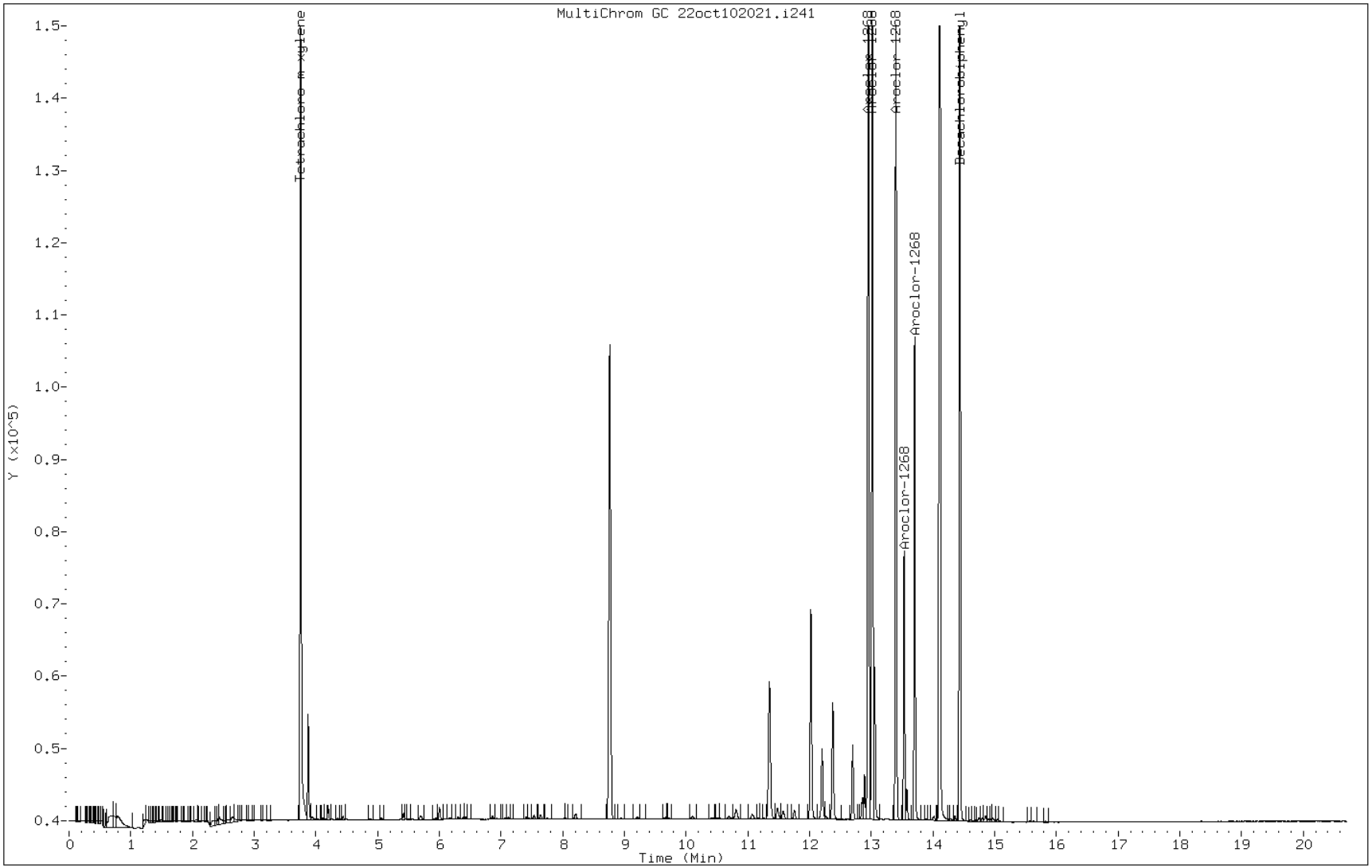
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

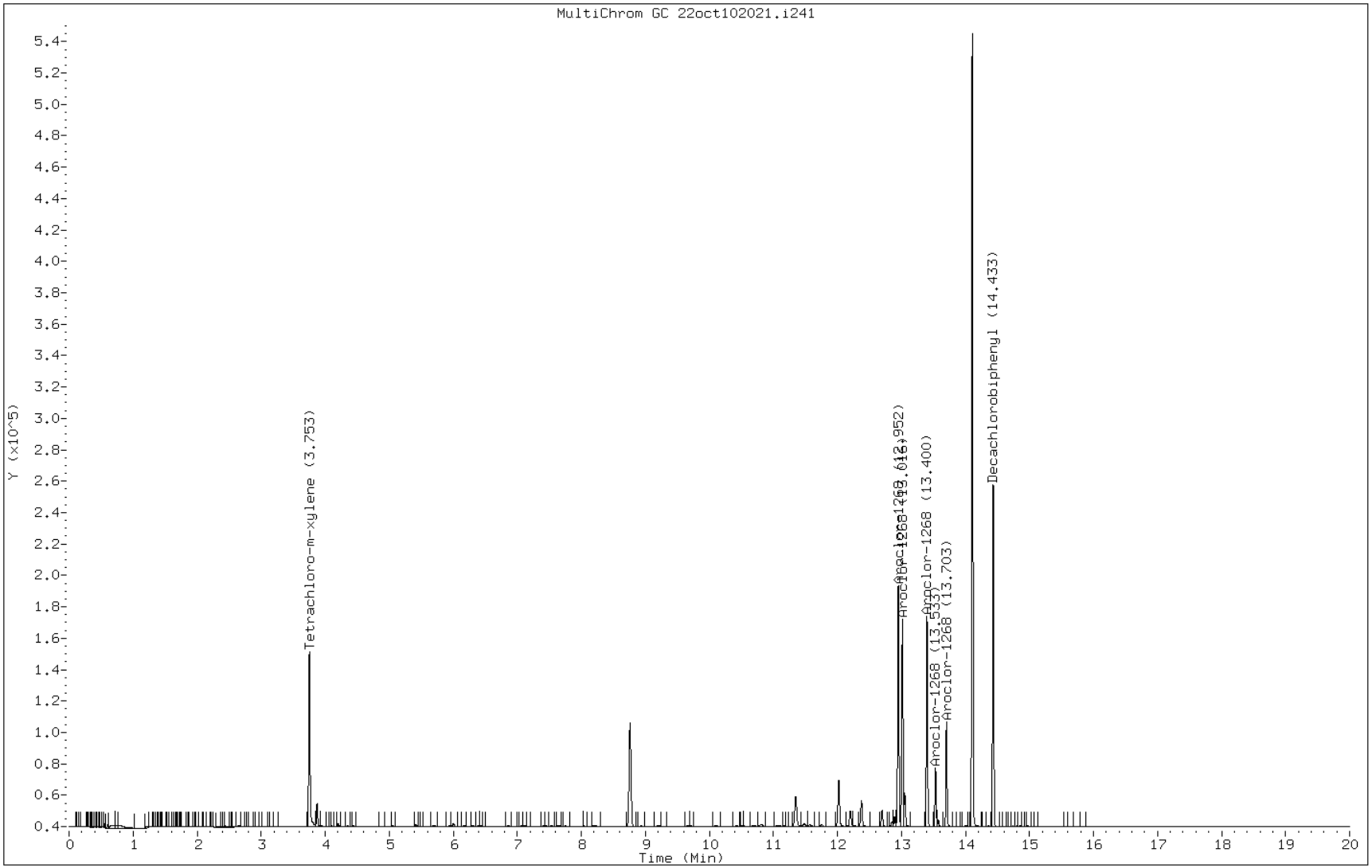
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.753	3.746	0.007	111540	20.0000	19.23	80.00- 120.00	100.00
9 Aroclor-1268					CAS #: 11100-14-4		
12.952	12.952	0.000	153095	200.000	190.4	0.00- 20.00	100.00
13.016	13.016	0.000	131920	200.000	195.4	0.00- 20.00	86.17
13.400	13.400	0.000	133861	200.000	194.7	0.00- 20.00	87.44
13.533	13.533	0.000	37241	200.000	197.3	0.00- 20.00	24.33
13.703	13.703	0.000	66853	200.000	197.8	0.00- 20.00	43.67
Average of Peak Amounts =					195.1		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.433	14.426	0.007	217639	20.0000	32.31	80.00- 120.00	100.00

Data File:	22oct102021-r241.d	Date:	23-OCT-2010 05:43
Client ID:	AR1268_200	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30294,1,AR1268_200		
Lab Sample ID:	IC-30294		



Data File:	22oct102021-r241.d	Date:	23-OCT-2010 05:43
Client ID:	AR1268_200	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	IC-30294,1,AR1268_200		



TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r251.d
Lab Smp Id: IC-30293 Client Smp ID: AR1268_400
Inj Date : 23-OCT-2010 06:07
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-30293,1,AR1268_400
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:47 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:32 Cal File: 22oct102021-r311.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

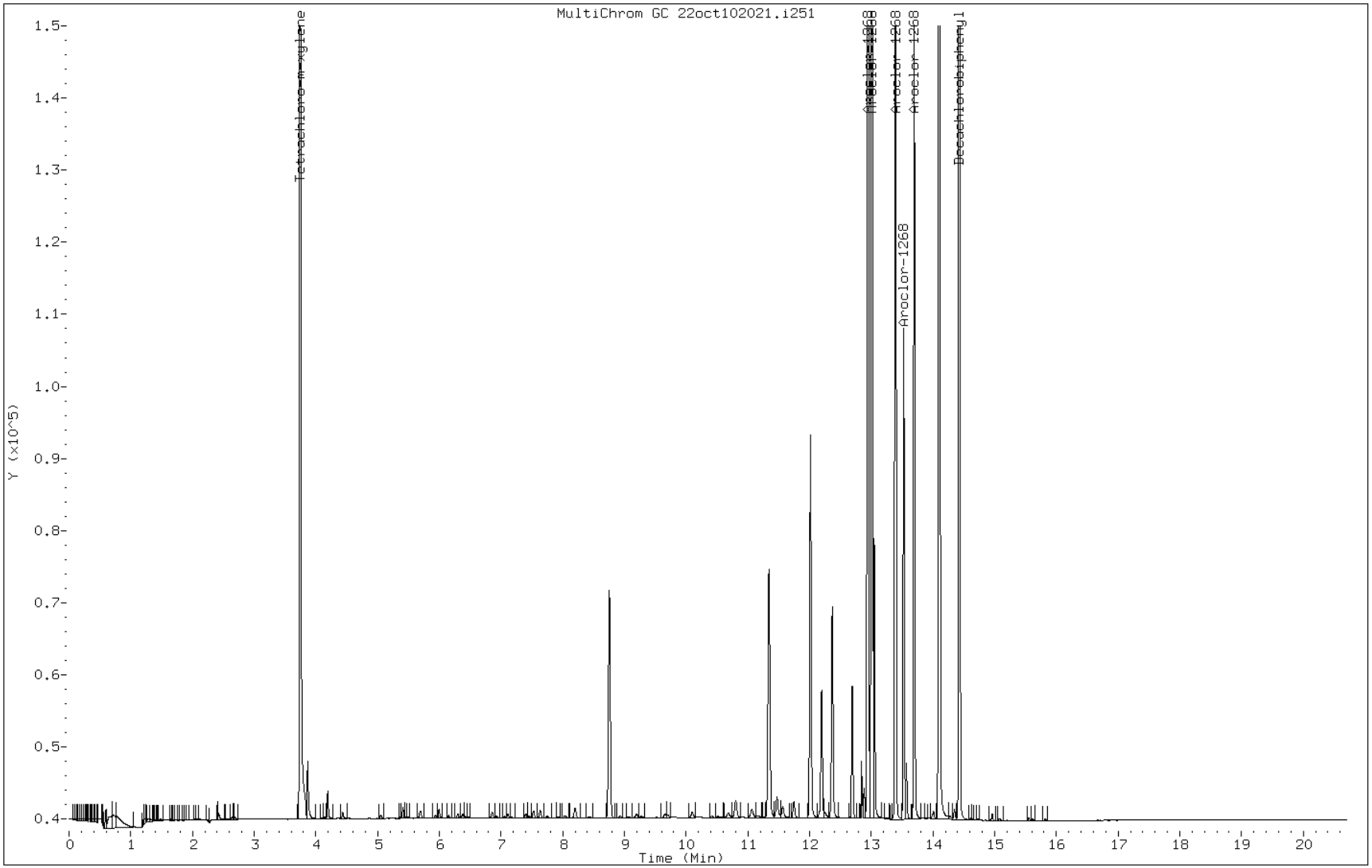
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

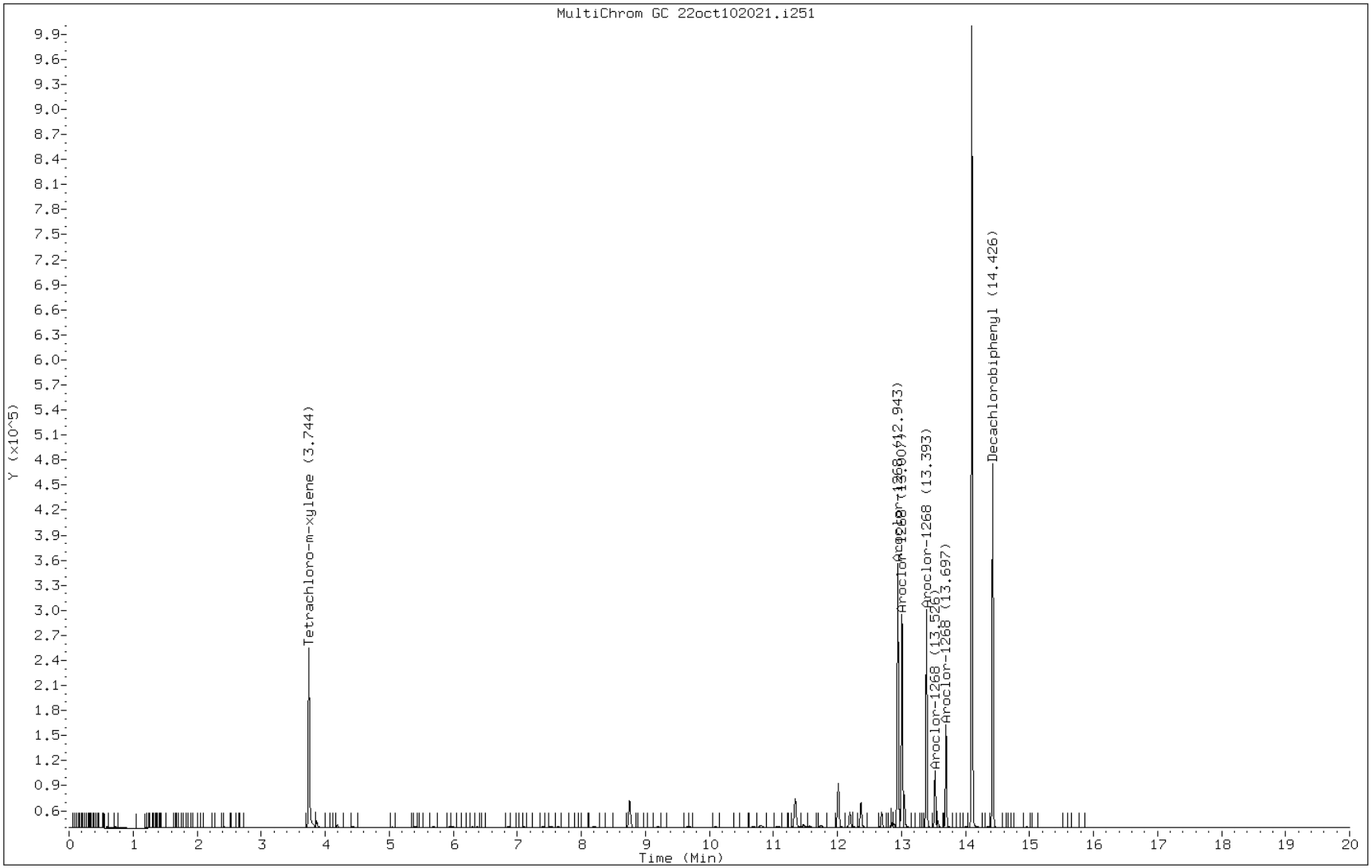
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.744	3.746	-0.002	215139	40.0000	37.08	80.00- 120.00	100.00
9 Aroclor-1268					CAS #: 11100-14-4		
12.943	12.952	-0.009	315559	400.000	392.4	0.00- 20.00	100.00
13.007	13.016	-0.009	254713	400.000	377.2	0.00- 20.00	80.72
13.393	13.400	-0.007	260690	400.000	379.2	0.00- 20.00	82.61
13.526	13.533	-0.007	68034	400.000	360.5	0.00- 20.00	21.56
13.697	13.703	-0.006	123320	400.000	364.8	0.00- 20.00	39.08
Average of Peak Amounts =					374.8		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.426	14.426	0.000	436312	40.0000	64.78	80.00- 120.00	100.00

Data File:	22oct102021-r251.d	Date:	23-OCT-2010 06:07
Client ID:	AR1268_400	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30293,1,AR1268_400		
Lab Sample ID:	IC-30293		



Data File:	22oct102021-r251.d	Date:	23-OCT-2010 06:07
Client ID:	AR1268_400	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	IC-30293,1,AR1268_400		



TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r261.d
Lab Smp Id: IC-30292 Client Smp ID: AR1268_800
Inj Date : 23-OCT-2010 06:31
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-30292,1,AR1268_800
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:47 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

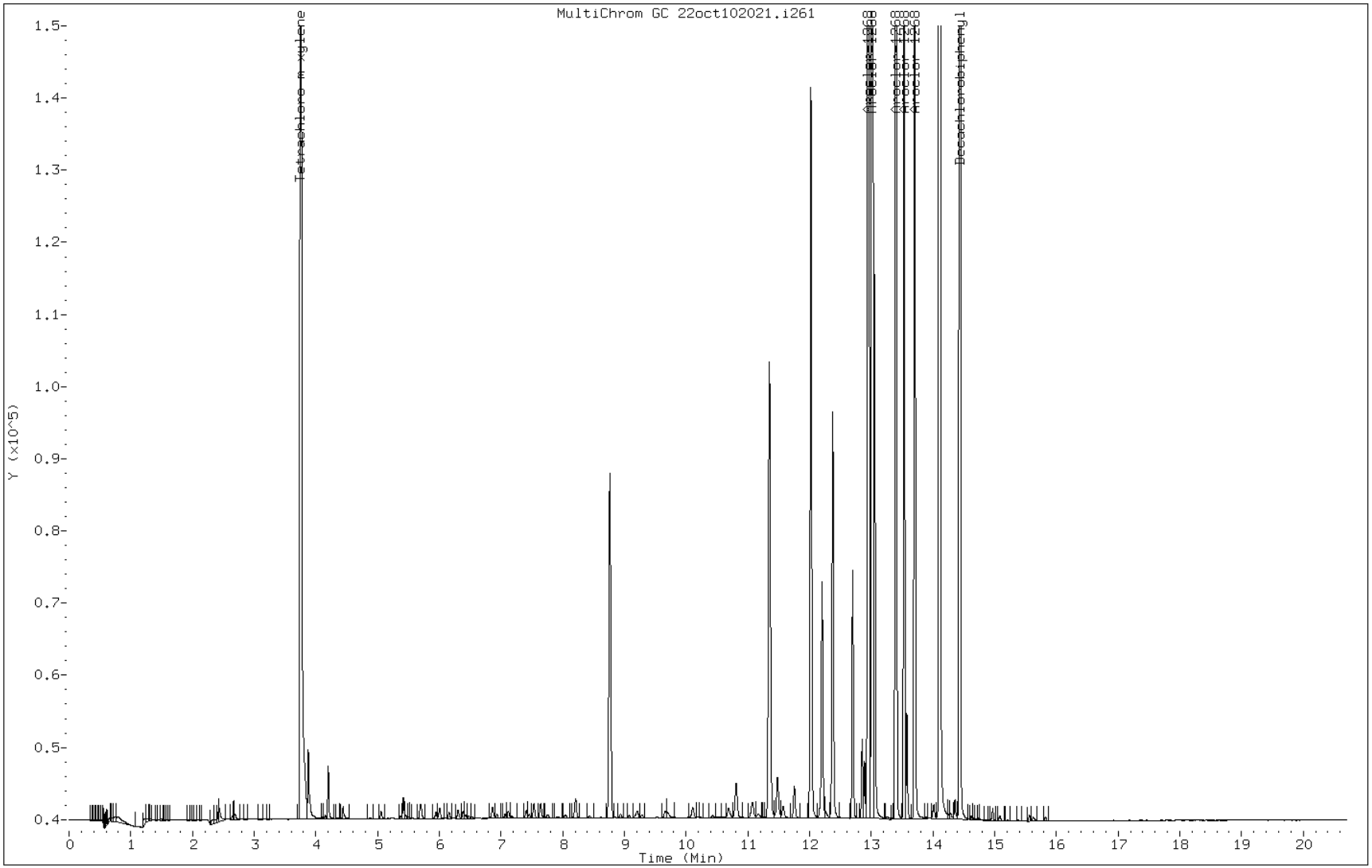
Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.753	3.746	0.007	440211	80.0000	75.88	80.00- 120.00	100.00
9 Aroclor-1268					CAS #: 11100-14-4		
12.952	12.952	0.000	662445	800.000	823.8	0.00- 20.00	100.00
13.016	13.016	0.000	539012	800.000	798.2	0.00- 20.00	81.37
13.400	13.400	0.000	553868	800.000	805.6	0.00- 20.00	83.61
13.533	13.533	0.000	131467	800.000	696.6	0.00- 20.00	19.85
13.703	13.703	0.000	254489	800.000	752.9	0.00- 20.00	38.42
Average of Peak Amounts =					775.4		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.433	14.426	0.007	957526	80.0000	142.2	80.00- 120.00	100.00(A)

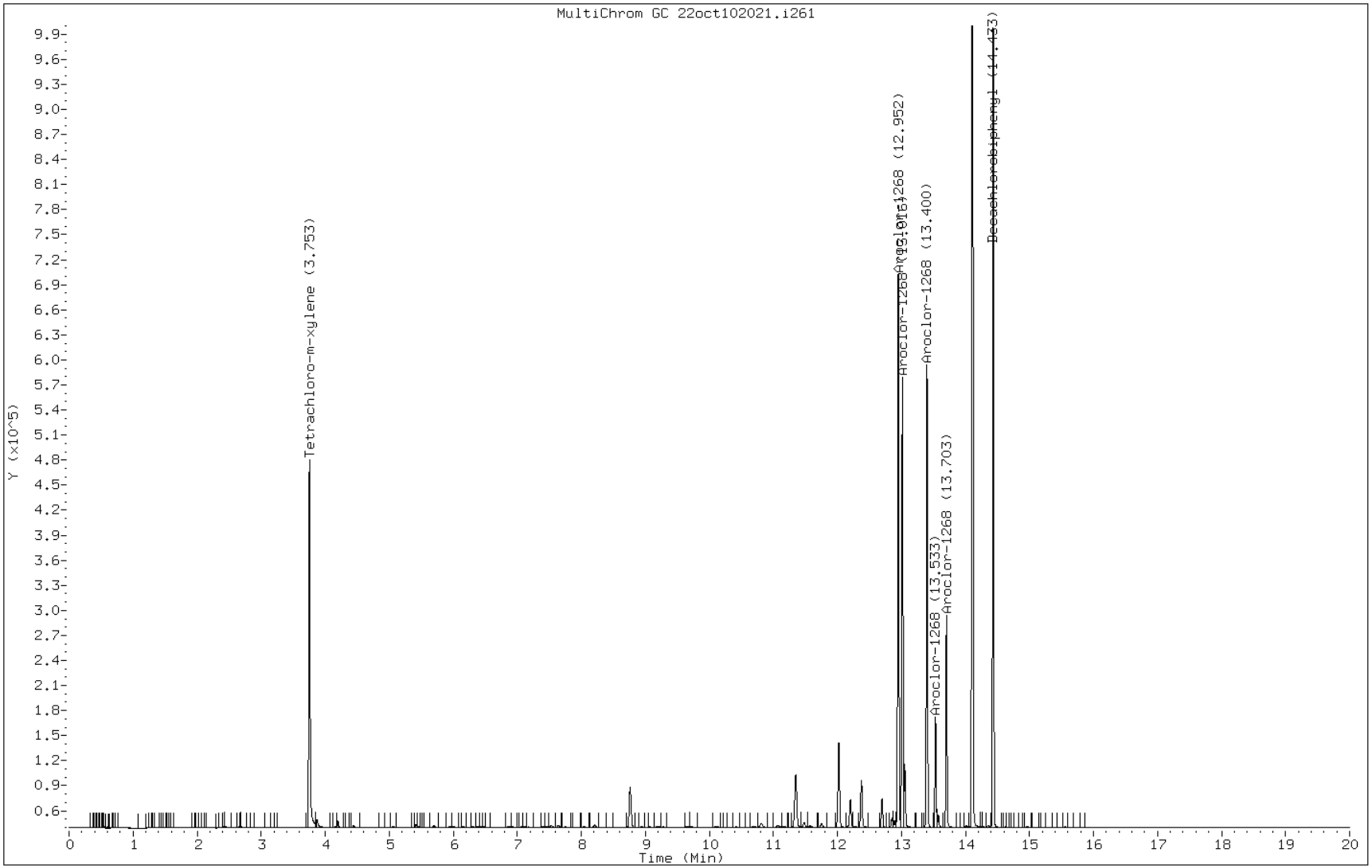
QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.

Data File:	22oct102021-r261.d	Date:	23-OCT-2010 06:31
Client ID:	AR1268_800	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30292,1,AR1268_800		
Lab Sample ID:	IC-30292		



Data File:	22oct102021-r261.d	Date:	23-OCT-2010 06:31
Client ID:	AR1268_800	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	IC-30292,1,AR1268_800		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 07:20 Calibration End Date: 10/23/2010 08:56 Calibration ID: 2841

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/28	22oct102021-r281.d
Level 2	IC 200-8378/29	22oct102021-r291.d
Level 3	ICRT 200-8378/30	22oct102021-r301.d
Level 4	IC 200-8378/31	22oct102021-r311.d
Level 5	IC 200-8378/32	22oct102021-r321.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1016 Peak 1	3.505	3.507	3.505	3.505	3.507						3.455 - 3.555	3.505
PCB-1016 Peak 2	4.119	4.119	4.119	4.119	4.121						4.069 - 4.169	4.119
PCB-1016 Peak 3	4.416	4.416	4.413	4.413	4.413						4.363 - 4.463	4.414
PCB-1016 Peak 4	4.526	4.526	4.524	4.524	4.526						4.474 - 4.574	4.526
PCB-1016 Peak 5	4.615	4.615	4.613	4.613	4.613						4.563 - 4.663	4.614
PCB-1260 Peak 1	8.745	8.747	8.743	8.743	8.745						8.693 - 8.793	8.744
PCB-1260 Peak 2	9.290	9.288	9.286	9.286	9.288						9.236 - 9.336	9.287
PCB-1260 Peak 3	9.997	9.997	9.993	9.993	9.995						9.943 - 10.043	9.995
PCB-1260 Peak 4	10.729	10.731	10.726	10.724	10.726						10.676 - 10.776	10.727
PCB-1260 Peak 5	11.121	11.121	11.119	11.117	11.121						11.069 - 11.169	11.120
Tetrachloro-m-xylene	3.101	3.101	3.101	3.101	3.103						3.051 - 3.151	3.102
DCB Decachlorobiphenyl	13.109	13.109	13.107	13.109	13.112						13.057 - 13.157	13.109

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 07:20 Calibration End Date: 10/23/2010 08:56 Calibration ID: 2841

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-8378/28	AR1660_50	22oct102021-r281.d
Level 2	IC 200-8378/29	AR1660_100	22oct102021-r291.d
Level 3	ICRT 200-8378/30	AR1660_200	22oct102021-r301.d
Level 4	IC 200-8378/31	AR1660_400	22oct102021-r311.d
Level 5	IC 200-8378/32	AR1660_800	22oct102021-r321.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	68.460 64.344	70.560	69.060	71.250	Ave		69				3.9		20.0			
PCB-1016 Peak 2	114.48 104.44	111.08	108.91	114.72	Ave		111				3.9		20.0			
PCB-1016 Peak 3	226.02 245.28	235.76	240.98	265.39	Ave		243				6.0		20.0			
PCB-1016 Peak 4	128.04 126.44	128.31	128.43	138.65	Ave		130				3.8		20.0			
PCB-1016 Peak 5	80.880 87.420	85.630	85.400	92.775	Ave		86				5.0		20.0			
PCB-1260 Peak 1	123.18 112.79	120.36	118.00	124.77	Ave		120				3.9		20.0			
PCB-1260 Peak 2	129.22 122.24	125.45	123.31	130.14	Ave		126				2.8		20.0			
PCB-1260 Peak 3	261.52 285.59	270.80	278.08	307.68	Ave		281				6.2		20.0			
PCB-1260 Peak 4	120.84 122.46	121.32	120.69	131.14	Ave		123				3.6		20.0			
PCB-1260 Peak 5	78.440 71.843	77.940	76.610	82.068	Ave		77				4.8		20.0			
Tetrachloro-m-xylene	3429.0 3754.5	3450.2	3607.0	3947.9	Ave		3638				6.0		20.0			
DCB Decachlorobiphenyl	5206.4 5168.7	5136.7	5187.7	5742.7	Ave		5288				4.8		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-5 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 07:20 Calibration End Date: 10/23/2010 08:56 Calibration ID: 2841

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/28	22oct102021-r281.d
Level 2	IC 200-8378/29	22oct102021-r291.d
Level 3	ICRT 200-8378/30	22oct102021-r301.d
Level 4	IC 200-8378/31	22oct102021-r311.d
Level 5	IC 200-8378/32	22oct102021-r321.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	3423	7056	13812	28500	51475	50.0	100	200	400	800
PCB-1016 Peak 2	Ave	5724	11108	21781	45889	83553	50.0	100	200	400	800
PCB-1016 Peak 3	Ave	11301	23576	48196	106156	196221	50.0	100	200	400	800
PCB-1016 Peak 4	Ave	6402	12831	25686	55461	101155	50.0	100	200	400	800
PCB-1016 Peak 5	Ave	4044	8563	17080	37110	69936	50.0	100	200	400	800
PCB-1260 Peak 1	Ave	6159	12036	23599	49907	90228	50.0	100	200	400	800
PCB-1260 Peak 2	Ave	6461	12545	24662	52055	97795	50.0	100	200	400	800
PCB-1260 Peak 3	Ave	13076	27080	55616	123073	228475	50.0	100	200	400	800
PCB-1260 Peak 4	Ave	6042	12132	24138	52455	97970	50.0	100	200	400	800
PCB-1260 Peak 5	Ave	3922	7794	15322	32827	57474	50.0	100	200	400	800
Tetrachloro-m-xylene	Ave	17145	34502	72140	157915	300363	5.00	10.0	20.0	40.0	80.0
DCB Decachlorobiphenyl	Ave	26032	51367	103754	229706	413492	5.00	10.0	20.0	40.0	80.0

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r281.d
Lab Smp Id: IC-30316 Client Smp ID: AR1660_50
Inj Date : 23-OCT-2010 07:20
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-30316,1,AR1660_50
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

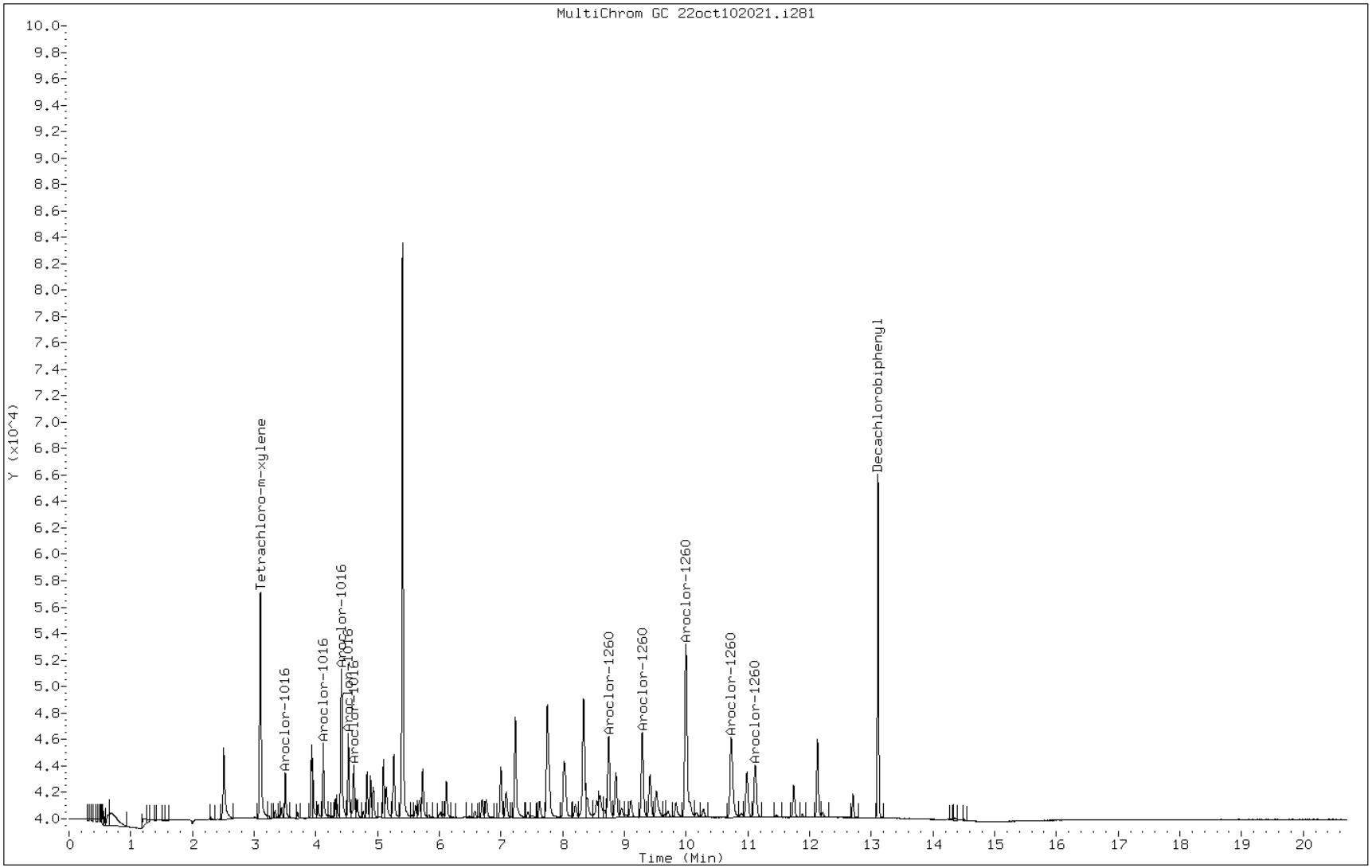
				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.101	3.101	0.000	17145	5.00000	4.713	80.00- 120.00	100.00(a)
1 Aroclor-1016					CAS #: 12674-11-2		
3.505	3.505	0.000	3423	50.0000	49.80	80.00- 120.00	100.00(a)
4.119	4.119	0.000	5724	50.0000	51.70	242.86- 282.86	167.22
4.416	4.413	0.003	11301	50.0000	46.57	231.90- 271.90	330.15
4.526	4.524	0.002	6402	50.0000	49.26	98.24- 138.24	187.03
4.615	4.613	0.002	4044	50.0000	46.79	94.08- 134.08	118.14
Average of Peak Amounts =					48.82		
7 Aroclor-1260					CAS #: 11096-82-5		
8.745	8.743	0.002	6159	50.0000	51.40	80.00- 120.00	100.00(a)
9.290	9.286	0.004	6461	50.0000	51.25	92.64- 132.64	104.90
9.997	9.993	0.004	13076	50.0000	46.58	69.99- 109.99	212.31

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
10.729	10.726	0.003	6042	50.0000	49.01	115.64- 155.64	98.10
11.121	11.119	0.002	3922	50.0000	50.68	57.50- 97.50	63.68
		Average of Peak Amounts =			49.78		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.109	13.107	0.002	26032	5.00000	4.922	80.00- 120.00	100.00(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	22oct102021-r281.d	Date:	23-OCT-2010 07:20
Client ID:	AR1660_50	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30316,1,AR1660_50		
Lab Sample ID:	IC-30316		



TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r291.d
Lab Smp Id: IC-30315 Client Smp ID: AR1660_100
Inj Date : 23-OCT-2010 07:44
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-30315,1,AR1660_100
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

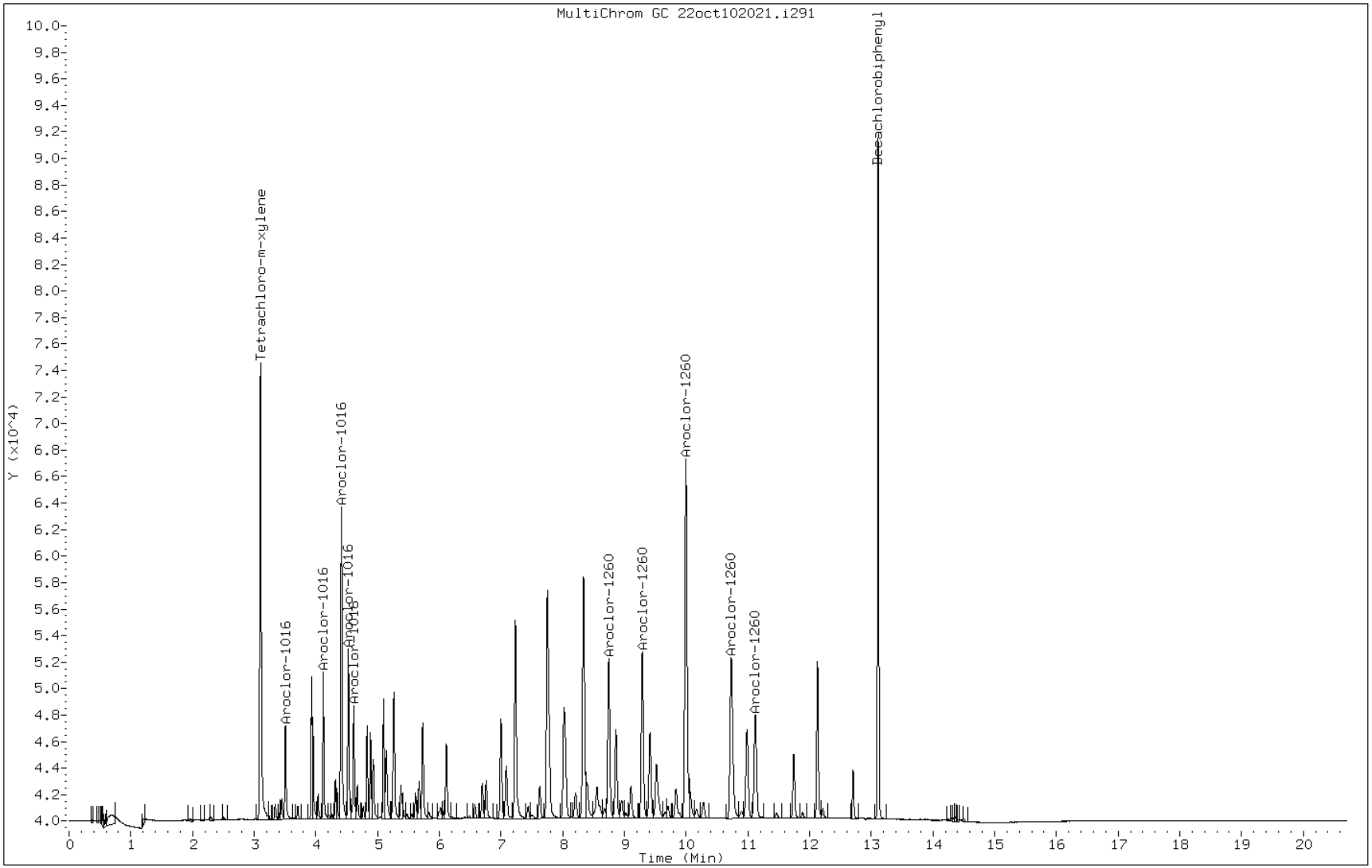
				AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)		
RT	EXP RT	DLT RT	RESPONSE			TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.101	3.101	0.000	34502	10.0000	9.485	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
3.507	3.505	0.002	7056	100.000	102.7	80.00- 120.00	100.00(M)
4.119	4.119	0.000	11108	100.000	100.3	242.86- 282.86	157.43
4.416	4.413	0.003	23576	100.000	97.15	231.90- 271.90	334.13
4.526	4.524	0.002	12831	100.000	98.72	98.24- 138.24	181.85
4.615	4.613	0.002	8563	100.000	99.08	94.08- 134.08	121.36
Average of Peak Amounts =					99.59		
7 Aroclor-1260					CAS #: 11096-82-5		
8.747	8.743	0.004	12036	100.000	100.5	80.00- 120.00	100.00
9.288	9.286	0.002	12545	100.000	99.51	92.64- 132.64	104.23
9.997	9.993	0.004	27080	100.000	96.46	69.99- 109.99	224.99

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
	7 Aroclor-1260 (continued)						
10.731	10.726	0.005	12132	100.000	98.40	115.64- 155.64	100.80
11.121	11.119	0.002	7794	100.000	100.7	57.50- 97.50	64.76
	Average of Peak Amounts =				99.11		
$	11 Decachlorobiphenyl				CAS #: 2051-24-3		
13.109	13.107	0.002	51367	10.0000	9.713	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File:	22oct102021-r291.d	Date:	23-OCT-2010 07:44
Client ID:	AR1660_100	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30315,1,AR1660_100		
Lab Sample ID:	IC-30315		



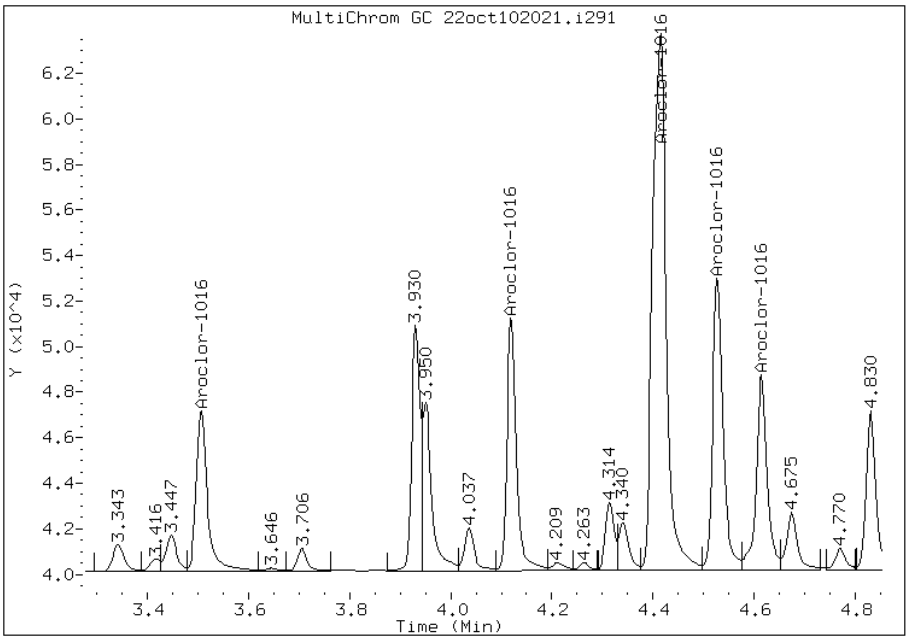
Manual Integration Report

Data File: 22oct102021-r291.d
Inj. Date and Time: 23-OCT-2010 07:44
Instrument ID: 7227_1.i
Client ID: AR1660_100
Compound: 1 Aroclor-1016
CAS #: 12674-11-2
Report Date: 10/26/2010

Processing Integration Results

RT	Response	Conc
3.51	7056	0.00
4.12	11020*	0.00
4.42	23380*	0.00
4.53	12558*	0.00
4.62	8184*	0.00

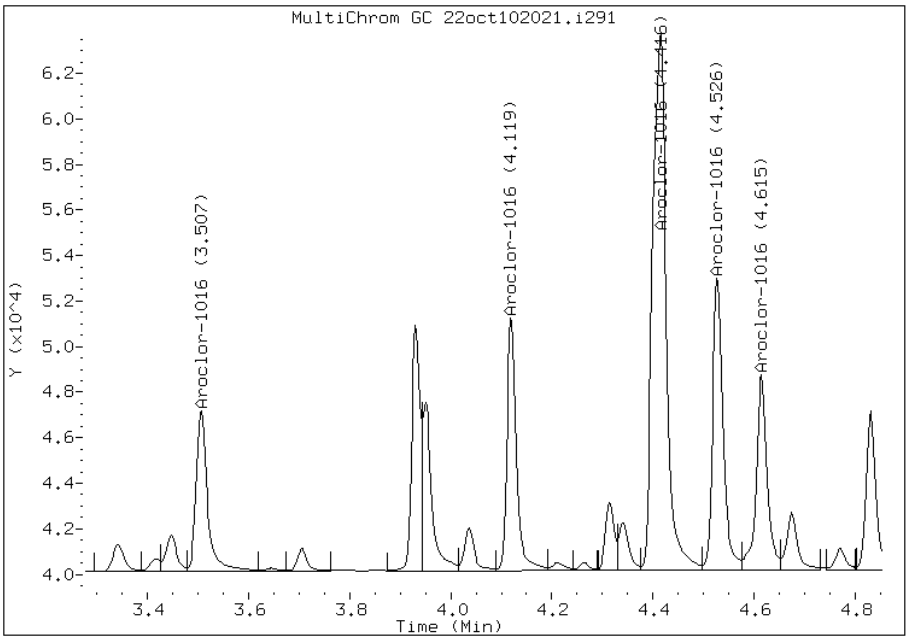
Final Conc		0.00



Manual Integration Results

RT	Response	Conc
3.51	7056	102.66
4.12	11108*	100.32
4.42	23576*	97.15
4.53	12831*	98.72
4.62	8563*	99.08

Final Conc		99.59



File Uploaded By: lmt
Manual Integration Reason: Baseline event

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r301.d
Lab Smp Id: ICRT-58588 Client Smp ID: AR1660_200
Inj Date : 23-OCT-2010 08:08
Operator : RRM Inst ID: 7227_1.i
Smp Info : ICRT-58588,1,AR1660_200
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

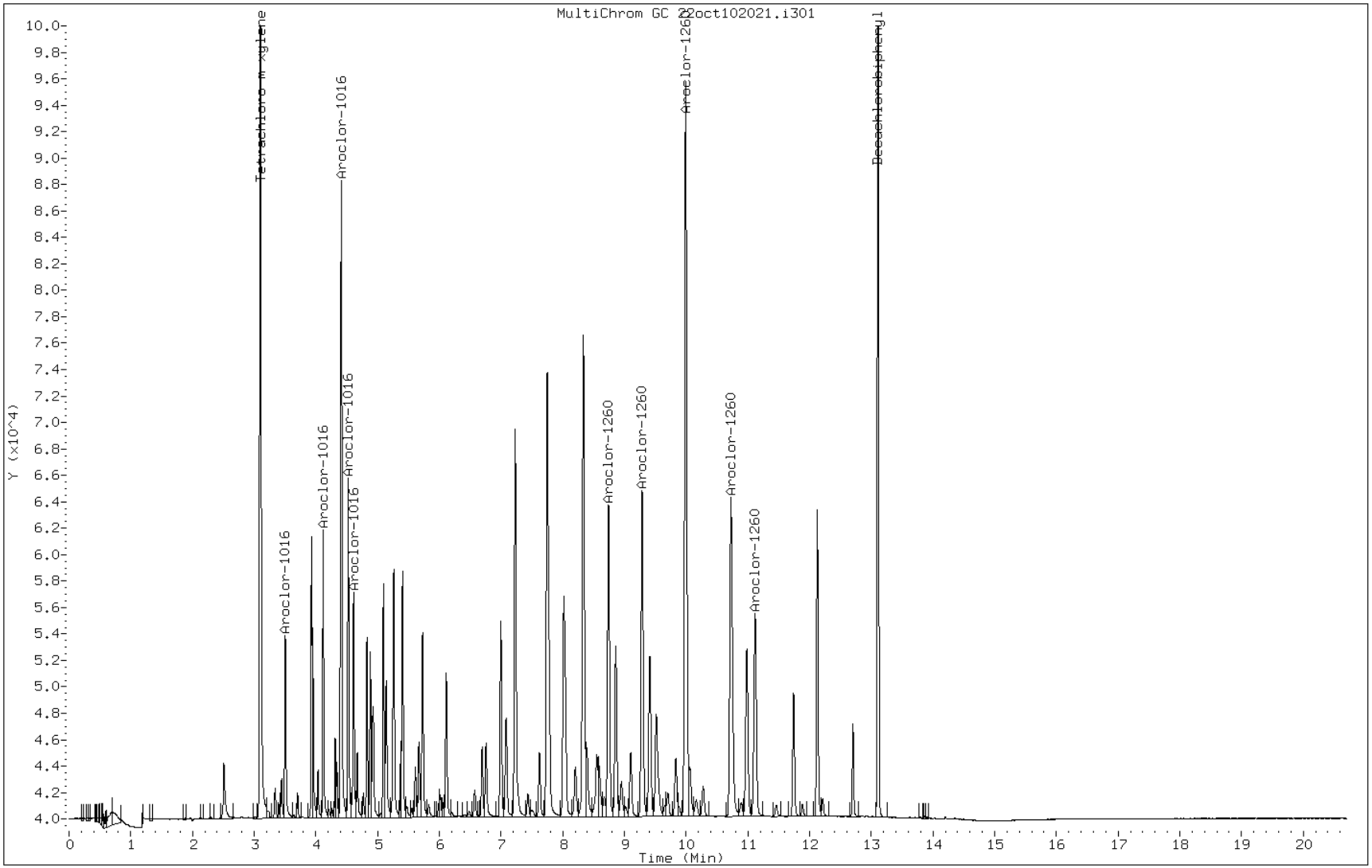
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.101	3.101	0.000	72140	20.0000	19.83	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
3.505	3.505	0.000	13812	200.000	200.9	80.00- 120.00	100.00
4.119	4.119	0.000	21781	200.000	196.7	242.86- 282.86	157.70
4.413	4.413	0.000	48196	200.000	198.6	231.90- 271.90	348.94
4.524	4.524	0.000	25686	200.000	197.6	98.24- 138.24	185.97
4.613	4.613	0.000	17080	200.000	197.6	94.08- 134.08	123.66
Average of Peak Amounts =					198.3		
7 Aroclor-1260					CAS #: 11096-82-5		
8.743	8.743	0.000	23599	200.000	197.0	80.00- 120.00	100.00
9.286	9.286	0.000	24662	200.000	195.6	92.64- 132.64	104.50
9.993	9.993	0.000	55616	200.000	198.1	69.99- 109.99	235.67

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
10.726	10.726	0.000	24138	200.000	195.8	115.64- 155.64	102.28
11.119	11.119	0.000	15322	200.000	198.0	57.50- 97.50	64.93
Average of Peak Amounts =					196.9		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.107	13.107	0.000	103754	20.0000	19.62	80.00- 120.00	100.00

Data File:	22oct102021-r301.d	Date:	23-OCT-2010 08:08
Client ID:	AR1660_200	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	ICRT-58588,1,AR1660_200		
Lab Sample ID:	ICRT-58588		



TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r311.d
Lab Smp Id: IC-30313 Client Smp ID: AR1660_400
Inj Date : 23-OCT-2010 08:32
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-30313,1,AR1660_400
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

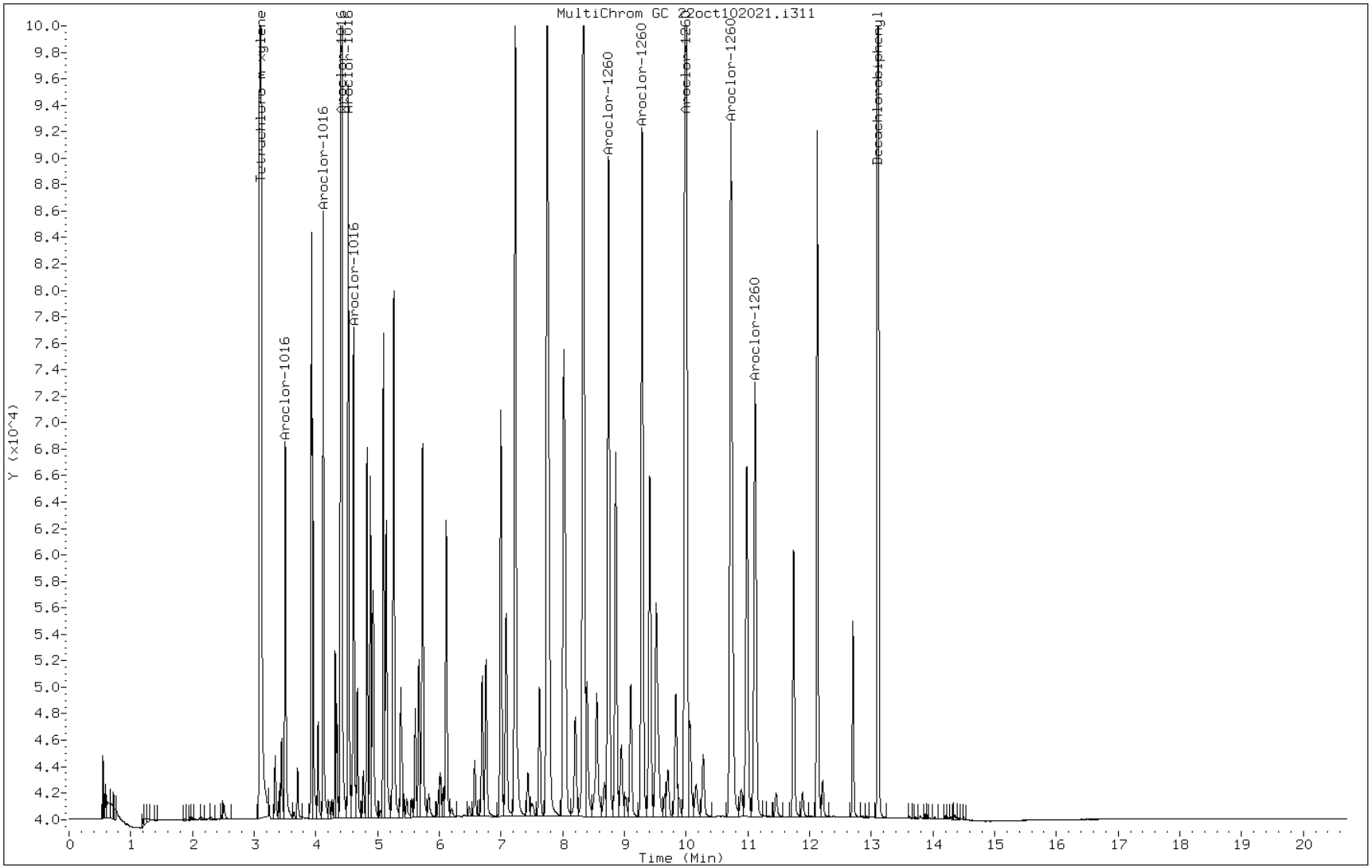
				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.101	3.101	0.000	157915	40.0000	43.41	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
3.505	3.505	0.000	28500	400.000	414.6	80.00- 120.00	100.00(M)
4.119	4.119	0.000	45889	400.000	414.4	242.86- 282.86	161.01
4.413	4.413	0.000	106156	400.000	437.4	231.90- 271.90	372.48
4.524	4.524	0.000	55461	400.000	426.7	98.24- 138.24	194.60
4.613	4.613	0.000	37110	400.000	429.4	94.08- 134.08	130.21
Average of Peak Amounts =					424.5		
7 Aroclor-1260					CAS #: 11096-82-5		
8.743	8.743	0.000	49907	400.000	416.5	80.00- 120.00	100.00
9.286	9.286	0.000	52055	400.000	412.9	92.64- 132.64	104.30
9.993	9.993	0.000	123073	400.000	438.4	69.99- 109.99	246.60

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
10.724	10.726	-0.002	52455	400.000	425.5	115.64- 155.64	105.11
11.117	11.119	-0.002	32827	400.000	424.2	57.50- 97.50	65.78
		Average of Peak Amounts =			423.5		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.109	13.107	0.002	229706	40.0000	43.44	80.00- 120.00	100.00

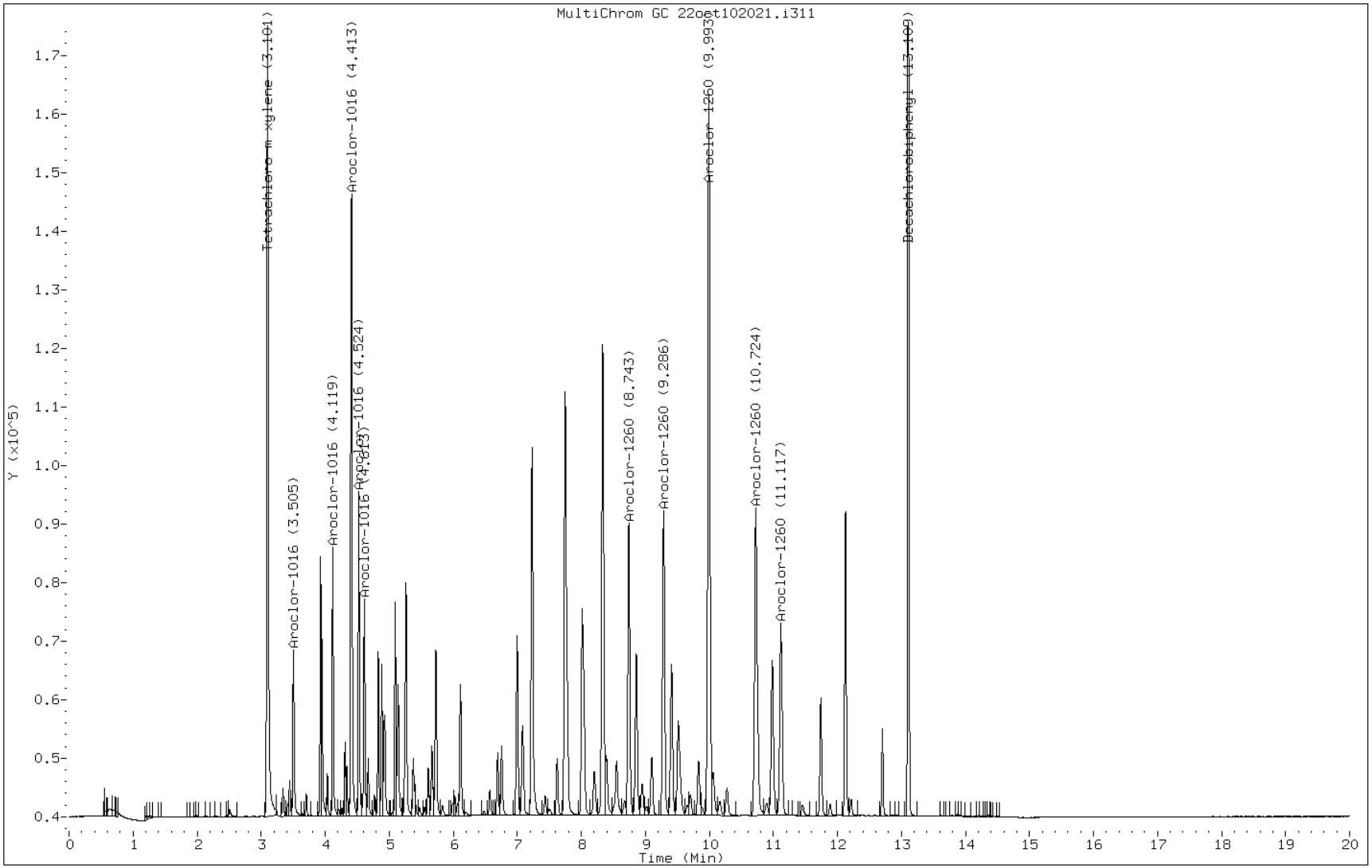
QC Flag Legend

M - Compound response manually integrated.

Data File:	22oct102021-r311.d	Date:	23-OCT-2010 08:32
Client ID:	AR1660_400	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30313,1,AR1660_400		
Lab Sample ID:	IC-30313		



Data File:	22oct102021-r311.d	Date:	23-OCT-2010 08:32
Client ID:	AR1660_400	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-30313,1,AR1660_400		



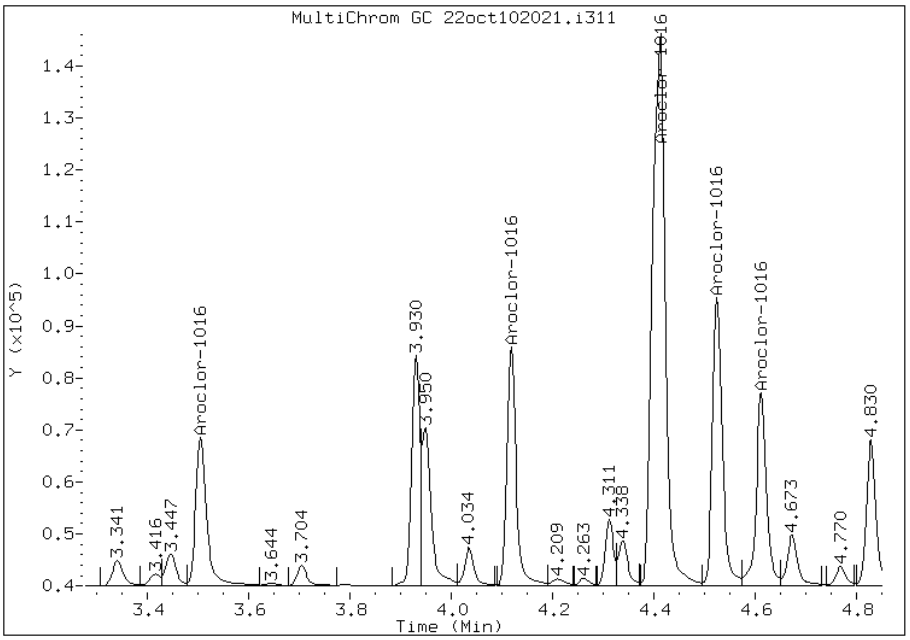
Manual Integration Report

Data File: 22oct102021-r311.d
Inj. Date and Time: 23-OCT-2010 08:32
Instrument ID: 7227_1.i
Client ID: AR1660_400
Compound: 1 Aroclor-1016
CAS #: 12674-11-2
Report Date: 10/26/2010

Processing Integration Results

RT	Response	Conc
3.50	28287*	0.00
4.12	45658*	0.00
4.41	105637*	0.00
4.52	54639*	0.00
4.61	35717*	0.00

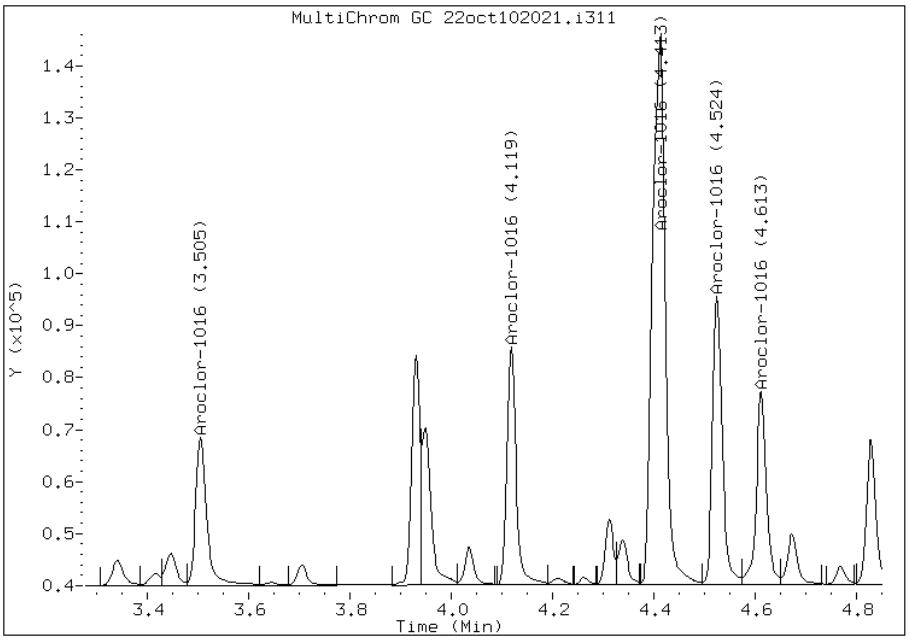
Final Conc		0.00



Manual Integration Results

RT	Response	Conc
3.50	28500*	414.64
4.12	45889*	414.44
4.41	106156*	437.42
4.52	55461*	426.70
4.61	37110*	429.41

Final Conc		424.50



File Uploaded By: lmt
Manual Integration Reason: Baseline event

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r321.d
Lab Smp Id: IC-30312 Client Smp ID: AR1660_800
Inj Date : 23-OCT-2010 08:56
Operator : RRM Inst ID: 7227_1.i
Smp Info : IC-30312,1,AR1660_800
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

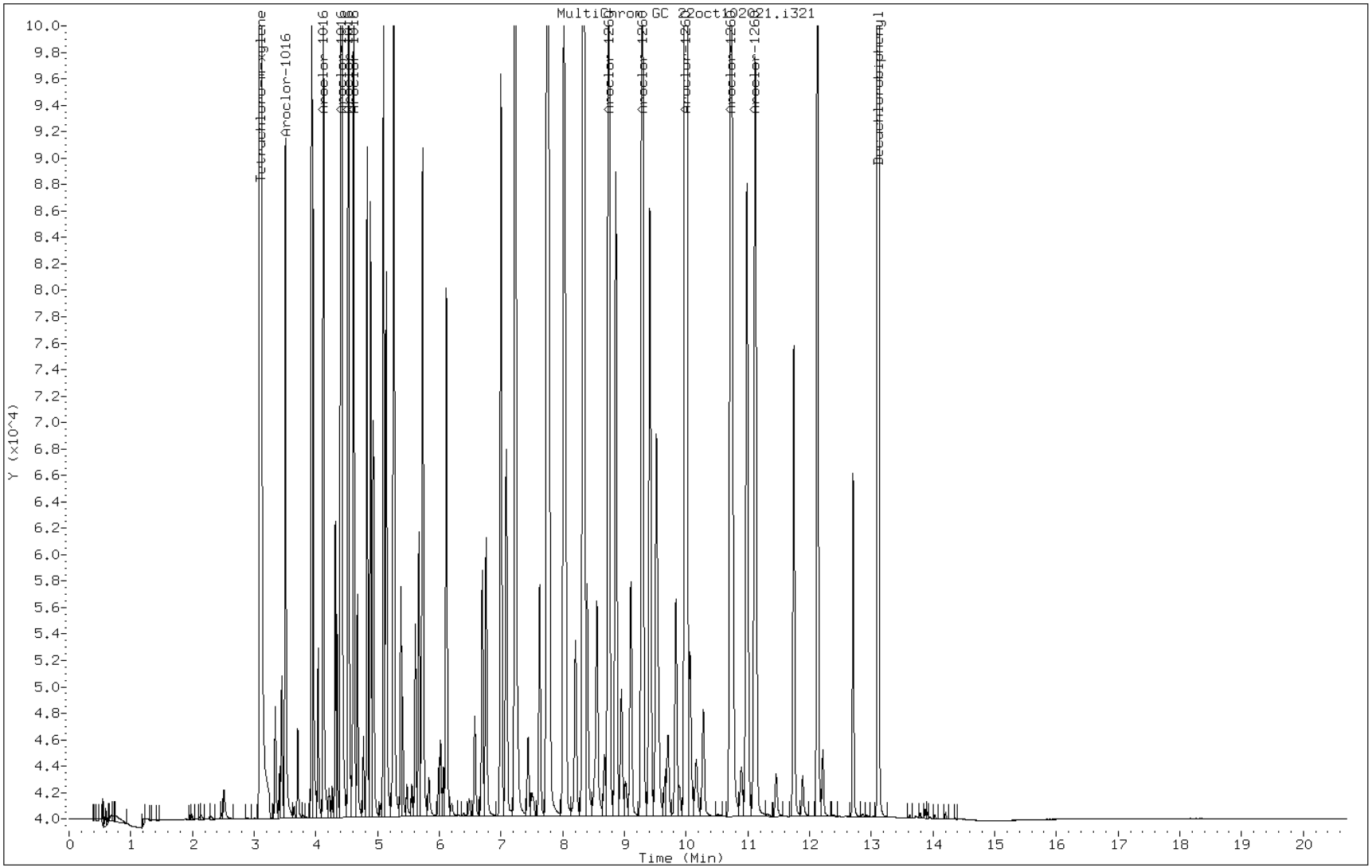
				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.103	3.101	0.002	300363	80.0000	82.57	80.00- 120.00	100.00(A)
1 Aroclor-1016					CAS #: 12674-11-2		
3.507	3.505	0.002	51475	800.000	748.9	80.00- 120.00	100.00
4.121	4.119	0.002	83553	800.000	754.6	242.86- 282.86	162.32
4.413	4.413	0.000	196221	800.000	808.5	231.90- 271.90	381.20
4.526	4.524	0.002	101155	800.000	778.3	98.24- 138.24	196.51
4.613	4.613	0.000	69936	800.000	809.2	94.08- 134.08	135.86
Average of Peak Amounts =					779.9		
7 Aroclor-1260					CAS #: 11096-82-5		
8.745	8.743	0.002	90228	800.000	753.0	80.00- 120.00	100.00
9.288	9.286	0.002	97795	800.000	775.7	92.64- 132.64	108.39
9.995	9.993	0.002	228475	800.000	813.8	69.99- 109.99	253.22

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
10.726	10.726	0.000	97970	800.000	794.6	115.64- 155.64	108.58
11.121	11.119	0.002	57474	800.000	742.8	57.50- 97.50	63.70
Average of Peak Amounts =					776		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.112	13.107	0.005	413492	80.0000	78.19	80.00- 120.00	100.00

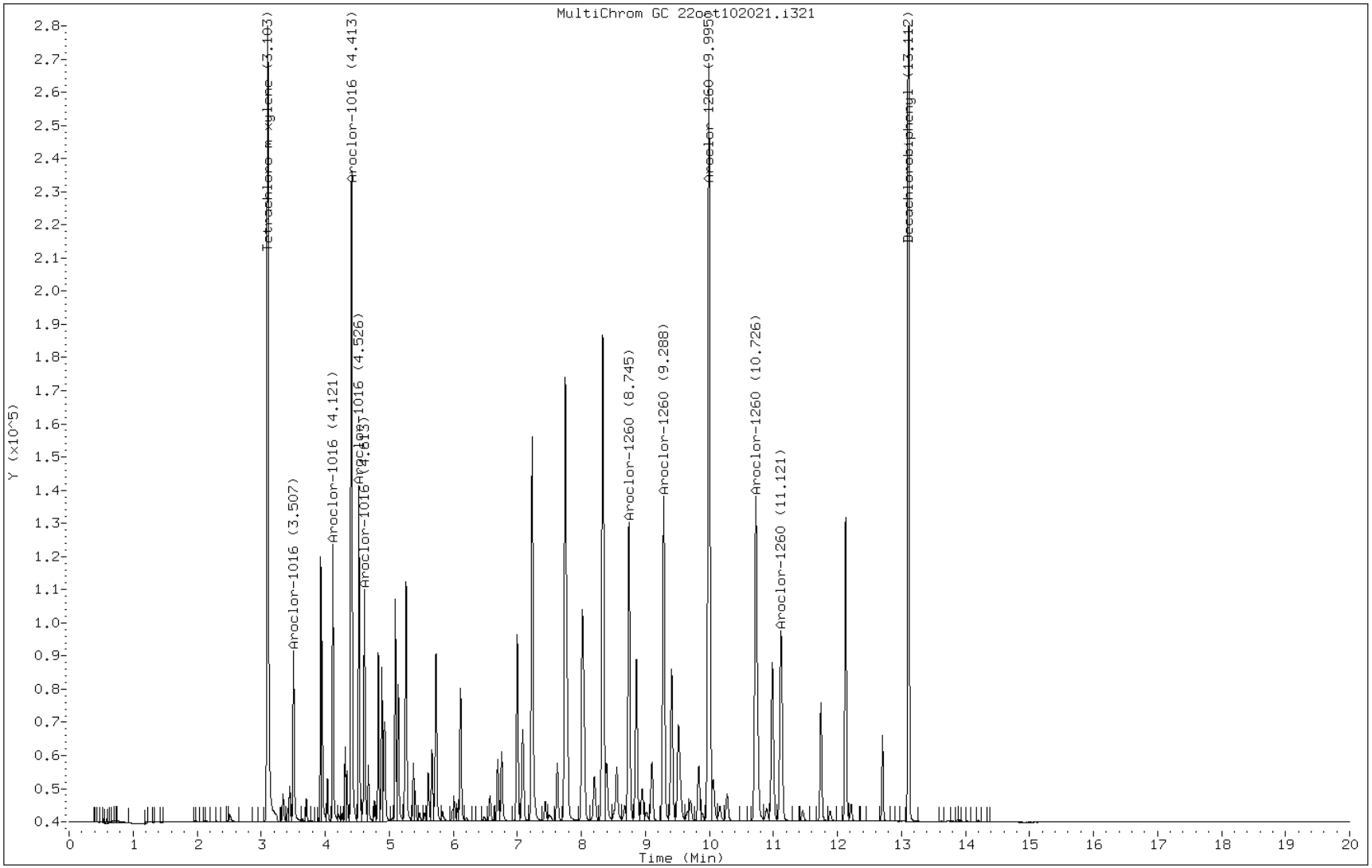
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File:	22oct102021-r321.d	Date:	23-OCT-2010 08:56
Client ID:	AR1660_800	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	IC-30312,1,AR1660_800		
Lab Sample ID:	IC-30312		



Data File:	22oct102021-r321.d	Date:	23-OCT-2010 08:56
Client ID:	AR1660_800	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	IC-30312,1,AR1660_800		



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 07:20 Calibration End Date: 10/23/2010 08:56 Calibration ID: 2849

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/28	22oct102021-r281.d
Level 2	IC 200-8378/29	22oct102021-r291.d
Level 3	ICRT 200-8378/30	22oct102021-r301.d
Level 4	IC 200-8378/31	22oct102021-r311.d
Level 5	IC 200-8378/32	22oct102021-r321.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1016 Peak 1	4.464	4.464	4.458	4.462	4.460						4.408 - 4.508	4.462
PCB-1016 Peak 2	5.056	5.054	5.050	5.054	5.052						5.000 - 5.100	5.053
PCB-1016 Peak 3	5.699	5.699	5.695	5.697	5.697						5.645 - 5.745	5.697
PCB-1016 Peak 4	5.943	5.943	5.936	5.941	5.938						5.886 - 5.986	5.940
PCB-1016 Peak 5	6.156	6.156	6.151	6.153	6.151						6.101 - 6.201	6.153
PCB-1260 Peak 1	11.347	11.347	11.343	11.347	11.345						11.293 - 11.393	11.346
PCB-1260 Peak 2	12.376	12.376	12.369	12.373	12.371						12.319 - 12.419	12.373
PCB-1260 Peak 3	12.948	12.948	12.941	12.945	12.943						12.891 - 12.991	12.945
PCB-1260 Peak 4	13.575	13.575	13.568	13.575	13.570						13.518 - 13.618	13.573
PCB-1260 Peak 5	13.701	13.701	13.697	13.701	13.697						13.647 - 13.747	13.699
Tetrachloro-m-xylene	3.751	3.751	3.746	3.751	3.748						3.696 - 3.796	3.749
DCB Decachlorobiphenyl	14.433	14.433	14.426	14.431	14.428						14.376 - 14.476	14.430

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 07:20 Calibration End Date: 10/23/2010 08:56 Calibration ID: 2849

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-8378/28	AR1660_50	22oct102021-r281.d
Level 2	IC 200-8378/29	AR1660_100	22oct102021-r291.d
Level 3	ICRT 200-8378/30	AR1660_200	22oct102021-r301.d
Level 4	IC 200-8378/31	AR1660_400	22oct102021-r311.d
Level 5	IC 200-8378/32	AR1660_800	22oct102021-r321.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	126.16 89.141	118.53	108.65	106.33	Ave		110				12.8		20.0			
PCB-1016 Peak 2	196.90 143.36	184.06	168.73	165.24	Ave		172				11.8		20.0			
PCB-1016 Peak 3	291.48 232.97	277.20	255.53	259.68	Ave		263				8.4		20.0			
PCB-1016 Peak 4	143.72 106.32	134.63	125.30	124.15	Ave		127				11.0		20.0			
PCB-1016 Peak 5	116.38 88.293	113.55	104.25	103.81	Ave		105				10.4		20.0			
PCB-1260 Peak 1	185.72 134.91	175.37	159.02	155.56	Ave		162				12.0		20.0			
PCB-1260 Peak 2	588.72 504.95	536.78	514.31	545.21	Ave		538				6.1		20.0			
PCB-1260 Peak 3	213.10 158.28	200.88	186.52	182.47	Ave		188				11.0		20.0			
PCB-1260 Peak 4	99.820 73.506	97.070	88.920	87.480	Ave		89				11.5		20.0			
PCB-1260 Peak 5	236.78 175.62	214.39	200.72	204.27	Ave		206				10.8		20.0			
Tetrachloro-m-xylene	6223.6 5511.6	5821.3	5571.0	5879.4	Ave		5801				4.9		20.0			
DCB Decachlorobiphenyl	7211.6 6401.9	6567.9	6437.2	7057.9	Ave		6735				5.6		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-2079-1 Analy Batch No.: 8378

SDG No.:

Instrument ID: 7227.i GC Column: RTX-35 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2010 07:20 Calibration End Date: 10/23/2010 08:56 Calibration ID: 2849

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-8378/28	22oct102021-r281.d
Level 2	IC 200-8378/29	22oct102021-r291.d
Level 3	ICRT 200-8378/30	22oct102021-r301.d
Level 4	IC 200-8378/31	22oct102021-r311.d
Level 5	IC 200-8378/32	22oct102021-r321.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	6308	11853	21729	42532	71313	50.0	100	200	400	800
PCB-1016 Peak 2	Ave	9845	18406	33746	66095	114687	50.0	100	200	400	800
PCB-1016 Peak 3	Ave	14574	27720	51106	103870	186372	50.0	100	200	400	800
PCB-1016 Peak 4	Ave	7186	13463	25059	49658	85059	50.0	100	200	400	800
PCB-1016 Peak 5	Ave	5819	11355	20849	41525	70634	50.0	100	200	400	800
PCB-1260 Peak 1	Ave	9286	17537	31803	62225	107930	50.0	100	200	400	800
PCB-1260 Peak 2	Ave	29436	53678	102862	218082	403960	50.0	100	200	400	800
PCB-1260 Peak 3	Ave	10655	20088	37304	72988	126623	50.0	100	200	400	800
PCB-1260 Peak 4	Ave	4991	9707	17784	34992	58805	50.0	100	200	400	800
PCB-1260 Peak 5	Ave	11839	21439	40143	81708	140492	50.0	100	200	400	800
Tetrachloro-m-xylene	Ave	31118	58213	111419	235176	440930	5.00	10.0	20.0	40.0	80.0
DCB Decachlorobiphenyl	Ave	36058	65679	128743	282314	512149	5.00	10.0	20.0	40.0	80.0

Curve Type Legend:
Ave = Average by Height

TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r281.d
Lab Smp Id: IC-30316 Client Smp ID: AR1660_50
Inj Date : 23-OCT-2010 07:20
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-30316,1,AR1660_50
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:47 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 07:20 Cal File: 22oct102021-r281.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

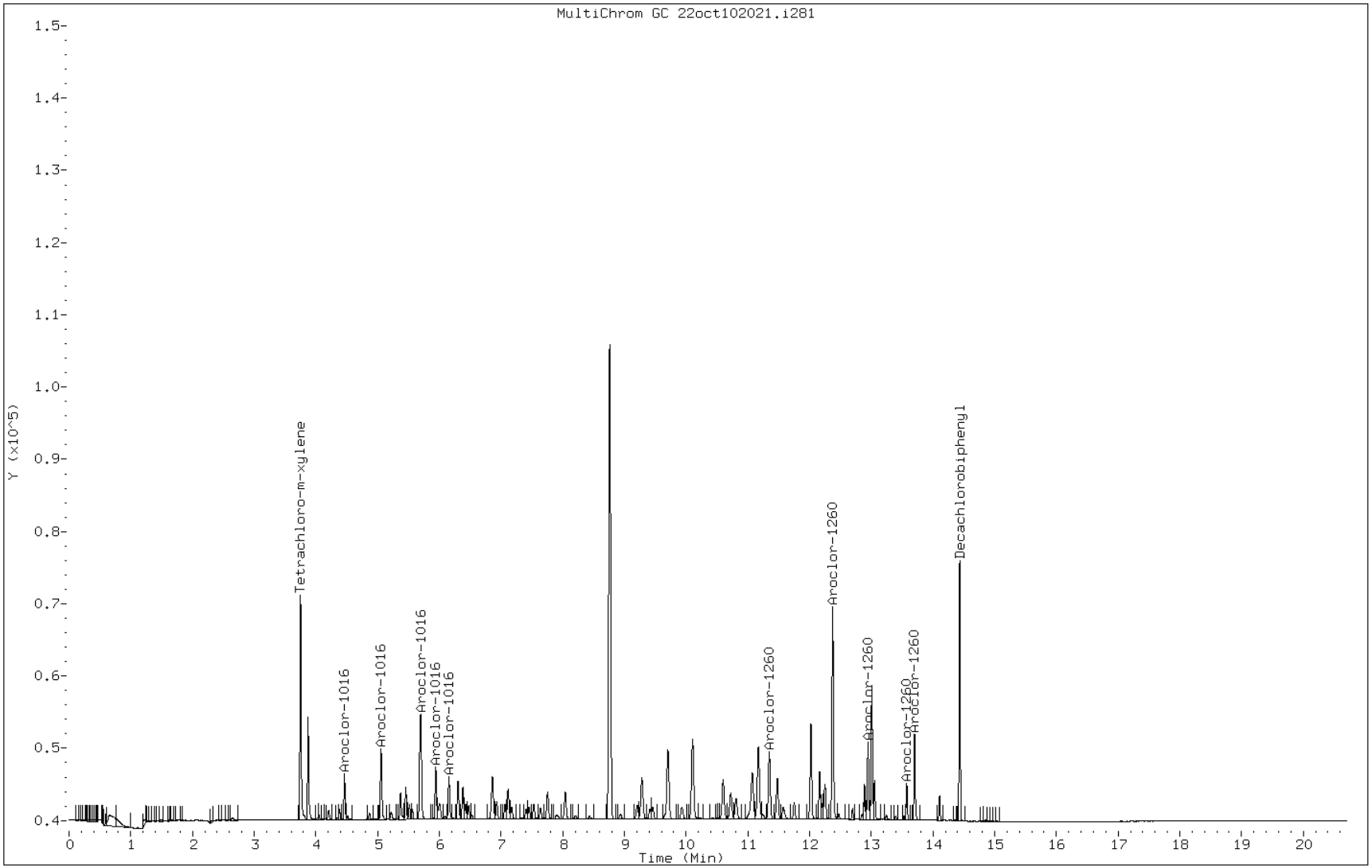
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.751	3.746	0.005	31118	5.00000	5.364	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
4.464	4.458	0.006	6308	50.0000	57.47	80.00- 120.00	100.00
5.056	5.050	0.006	9845	50.0000	57.35	242.86- 282.86	156.07
5.699	5.695	0.004	14574	50.0000	55.34	231.90- 271.90	231.04
5.943	5.936	0.007	7186	50.0000	56.66	98.24- 138.24	113.92
6.156	6.151	0.005	5819	50.0000	55.28	94.08- 134.08	92.25
Average of Peak Amounts =					56.42		
7 Aroclor-1260					CAS #: 11096-82-5		
11.347	11.343	0.004	9286	50.0000	57.28	80.00- 120.00	100.00
12.376	12.369	0.007	29436	50.0000	54.71	92.64- 132.64	316.99
12.948	12.941	0.007	10655	50.0000	56.60	69.99- 109.99	114.74

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
13.575	13.568	0.007	4991	50.0000	55.85	115.64- 155.64	53.75
13.701	13.697	0.004	11839	50.0000	57.37	57.50- 97.50	127.49
		Average of Peak Amounts =			56.36		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.433	14.426	0.007	36058	5.00000	5.354	80.00- 120.00	100.00

Data File:	22oct102021-r281.d	Date:	23-OCT-2010 07:20
Client ID:	AR1660_50	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30316,1,AR1660_50		
Lab Sample ID:	IC-30316		



TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r291.d
Lab Smp Id: IC-30315 Client Smp ID: AR1660_100
Inj Date : 23-OCT-2010 07:44
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-30315,1,AR1660_100
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:47 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 07:44 Cal File: 22oct102021-r291.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

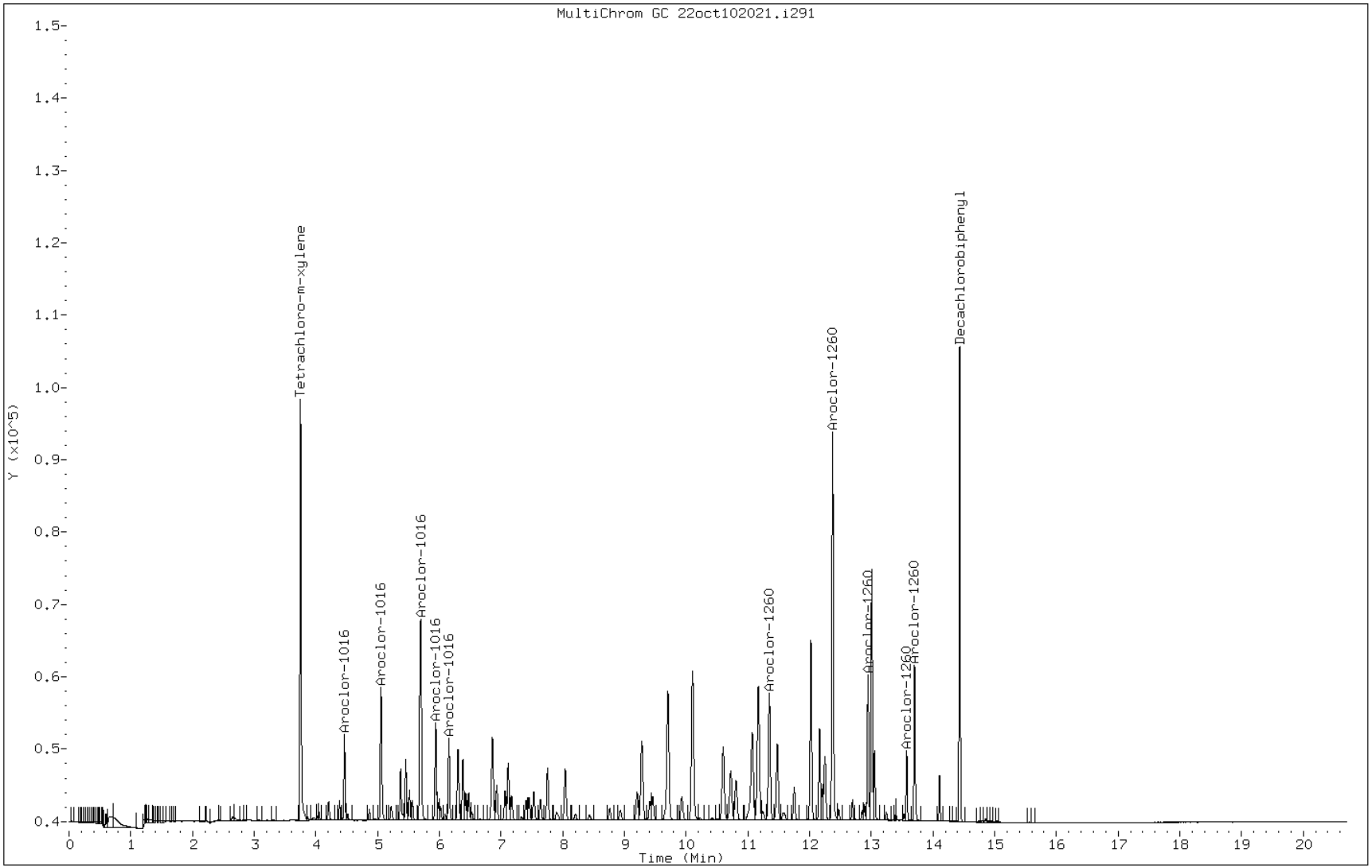
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.751	3.746	0.005	58213	10.0000	10.03	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
4.464	4.458	0.006	11853	100.000	108.0	80.00- 120.00	100.00
5.054	5.050	0.004	18406	100.000	107.2	242.86- 282.86	155.29
5.699	5.695	0.004	27720	100.000	105.3	231.90- 271.90	233.86
5.943	5.936	0.007	13463	100.000	106.2	98.24- 138.24	113.58
6.156	6.151	0.005	11355	100.000	107.9	94.08- 134.08	95.80
Average of Peak Amounts =					106.9		
7 Aroclor-1260					CAS #: 11096-82-5		
11.347	11.343	0.004	17537	100.000	108.2	80.00- 120.00	100.00
12.376	12.369	0.007	53678	100.000	99.77	92.64- 132.64	306.08
12.948	12.941	0.007	20088	100.000	106.7	69.99- 109.99	114.55

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
13.575	13.568	0.007	9707	100.000	108.6	115.64- 155.64	55.35
13.701	13.697	0.004	21439	100.000	103.9	57.50- 97.50	122.25
		Average of Peak Amounts =			105.4		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.433	14.426	0.007	65679	10.0000	9.751	80.00- 120.00	100.00

Data File:	22oct102021-r291.d	Date:	23-OCT-2010 07:44
Client ID:	AR1660_100	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30315,1,AR1660_100		
Lab Sample ID:	IC-30315		



TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r301.d
Lab Smp Id: ICRT-58588 Client Smp ID: AR1660_200
Inj Date : 23-OCT-2010 08:08
Operator : RRM Inst ID: 7227_2.i
Smp Info : ICRT-58588,1,AR1660_200
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:47 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:08 Cal File: 22oct102021-r301.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

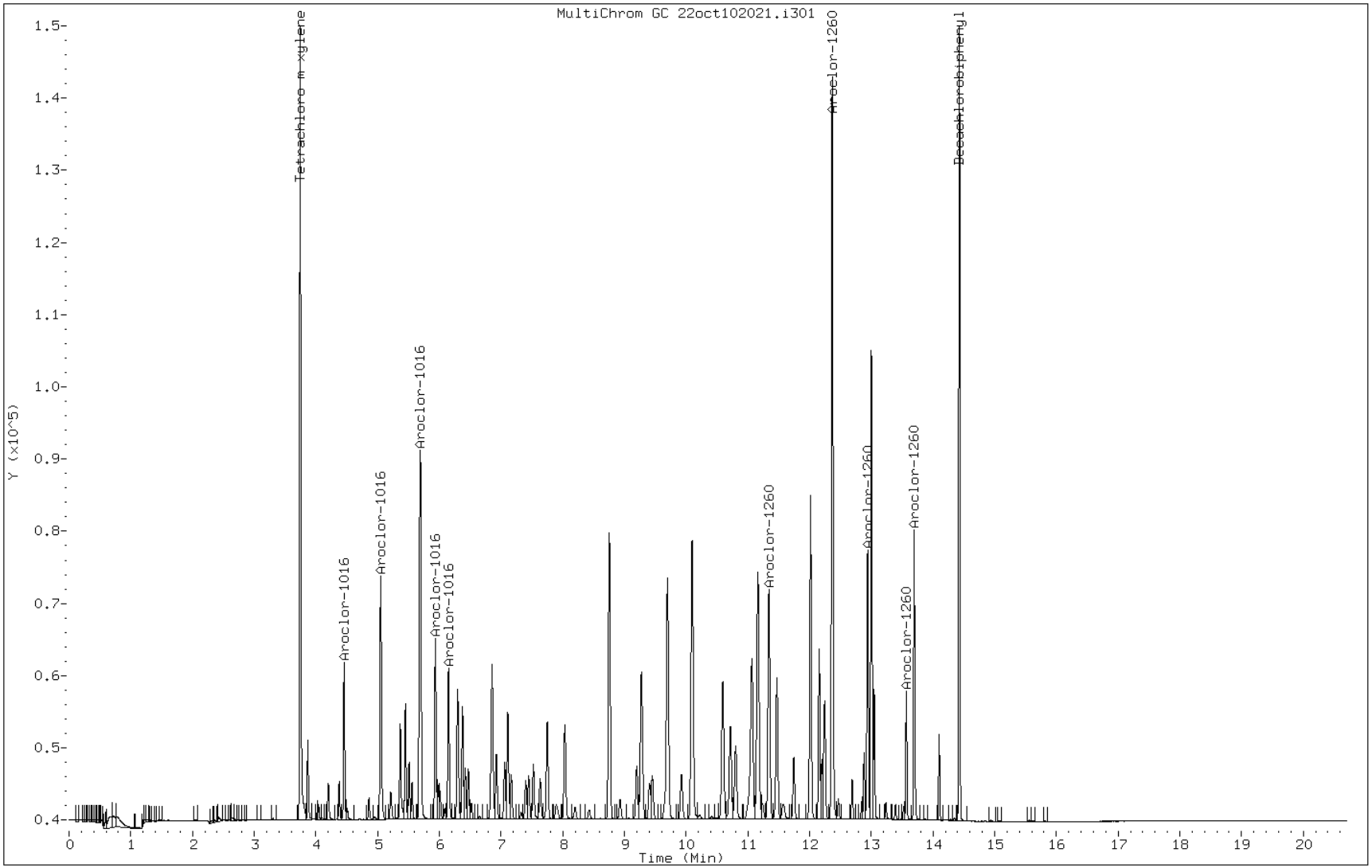
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.746	3.746	0.000	111419	20.0000	19.21	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
4.458	4.458	0.000	21729	200.000	198.0	80.00- 120.00	100.00
5.050	5.050	0.000	33746	200.000	196.6	242.86- 282.86	155.30
5.695	5.695	0.000	51106	200.000	194.0	231.90- 271.90	235.20
5.936	5.936	0.000	25059	200.000	197.6	98.24- 138.24	115.33
6.151	6.151	0.000	20849	200.000	198.1	94.08- 134.08	95.95
Average of Peak Amounts =					196.9		
7 Aroclor-1260					CAS #: 11096-82-5		
11.343	11.343	0.000	31803	200.000	196.2	80.00- 120.00	100.00
12.369	12.369	0.000	102862	200.000	191.2	92.64- 132.64	323.43
12.941	12.941	0.000	37304	200.000	198.2	69.99- 109.99	117.30

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
13.568	13.568	0.000	17784	200.000	199.0	115.64- 155.64	55.92
13.697	13.697	0.000	40143	200.000	194.5	57.50- 97.50	126.22
		Average of Peak Amounts =			195.8		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.426	14.426	0.000	128743	20.0000	19.11	80.00- 120.00	100.00

Data File:	22oct102021-r301.d	Date:	23-OCT-2010 08:08
Client ID:	AR1660_200	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	ICRT-58588,1,AR1660_200		
Lab Sample ID:	ICRT-58588		



TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r311.d
Lab Smp Id: IC-30313 Client Smp ID: AR1660_400
Inj Date : 23-OCT-2010 08:32
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-30313,1,AR1660_400
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:47 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:32 Cal File: 22oct102021-r311.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

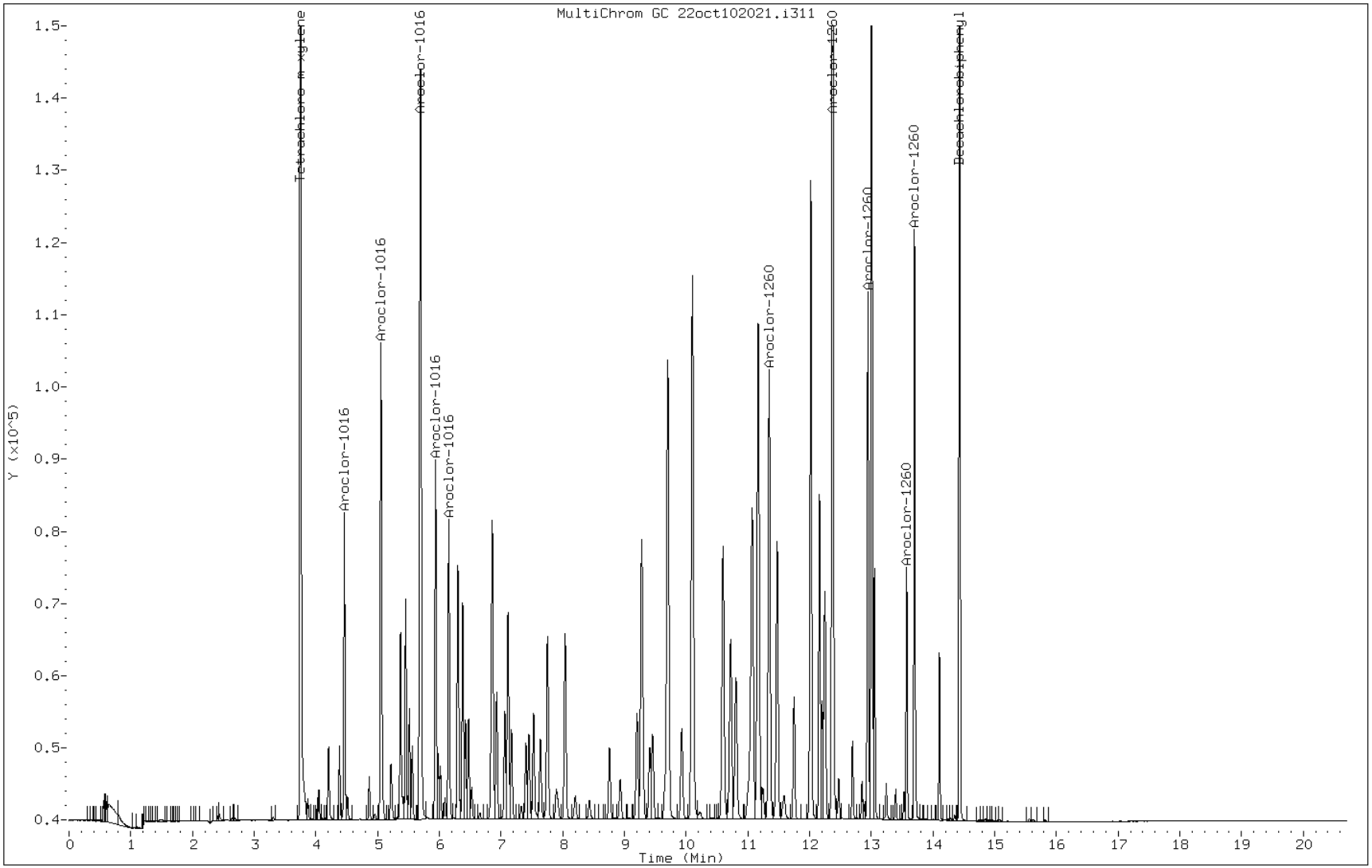
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

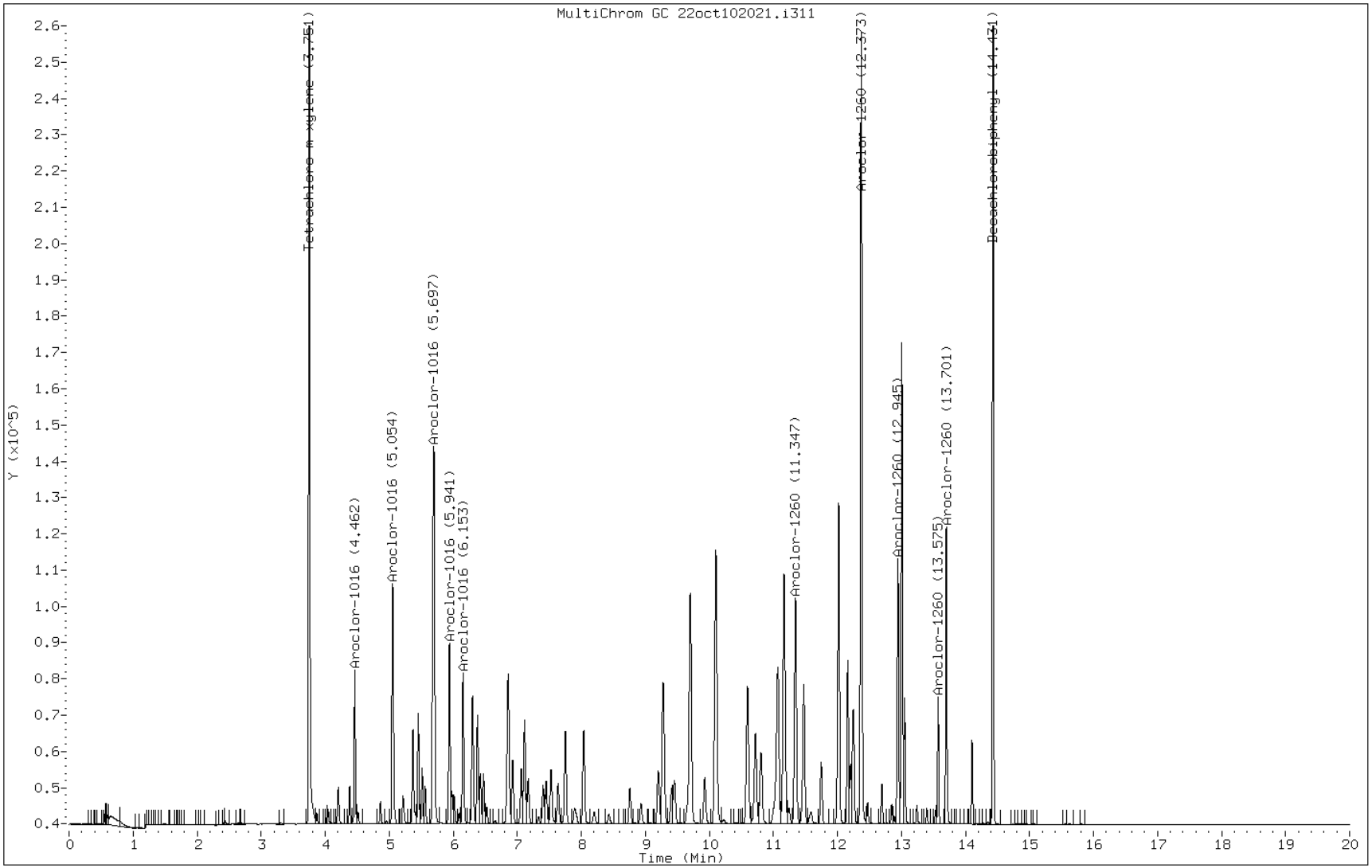
				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.751	3.746	0.005	235176	40.0000	40.54	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
4.462	4.458	0.004	42532	400.000	387.5	80.00- 120.00	100.00
5.054	5.050	0.004	66095	400.000	385.0	242.86- 282.86	155.40
5.697	5.695	0.002	103870	400.000	394.4	231.90- 271.90	244.22
5.941	5.936	0.005	49658	400.000	391.6	98.24- 138.24	116.75
6.153	6.151	0.002	41525	400.000	394.5	94.08- 134.08	97.63
Average of Peak Amounts =					390.6		
7 Aroclor-1260					CAS #: 11096-82-5		
11.347	11.343	0.004	62225	400.000	383.8	80.00- 120.00	100.00
12.373	12.369	0.004	218082	400.000	405.4	92.64- 132.64	350.47
12.945	12.941	0.004	72988	400.000	387.7	69.99- 109.99	117.30

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
13.575	13.568	0.007	34992	400.000	391.6	115.64- 155.64	56.23
13.701	13.697	0.004	81708	400.000	396.0	57.50- 97.50	131.31
		Average of Peak Amounts =			392.9		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.431	14.426	0.005	282314	40.0000	41.92	80.00- 120.00	100.00

Data File:	22oct102021-r311.d	Date:	23-OCT-2010 08:32
Client ID:	AR1660_400	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30313,1,AR1660_400		
Lab Sample ID:	IC-30313		



Data File:	22oct102021-r311.d	Date:	23-OCT-2010 08:32
Client ID:	AR1660_400	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	IC-30313,1,AR1660_400		



TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r321.d
Lab Smp Id: IC-30312 Client Smp ID: AR1660_800
Inj Date : 23-OCT-2010 08:56
Operator : RRM Inst ID: 7227_2.i
Smp Info : IC-30312,1,AR1660_800
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:47 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

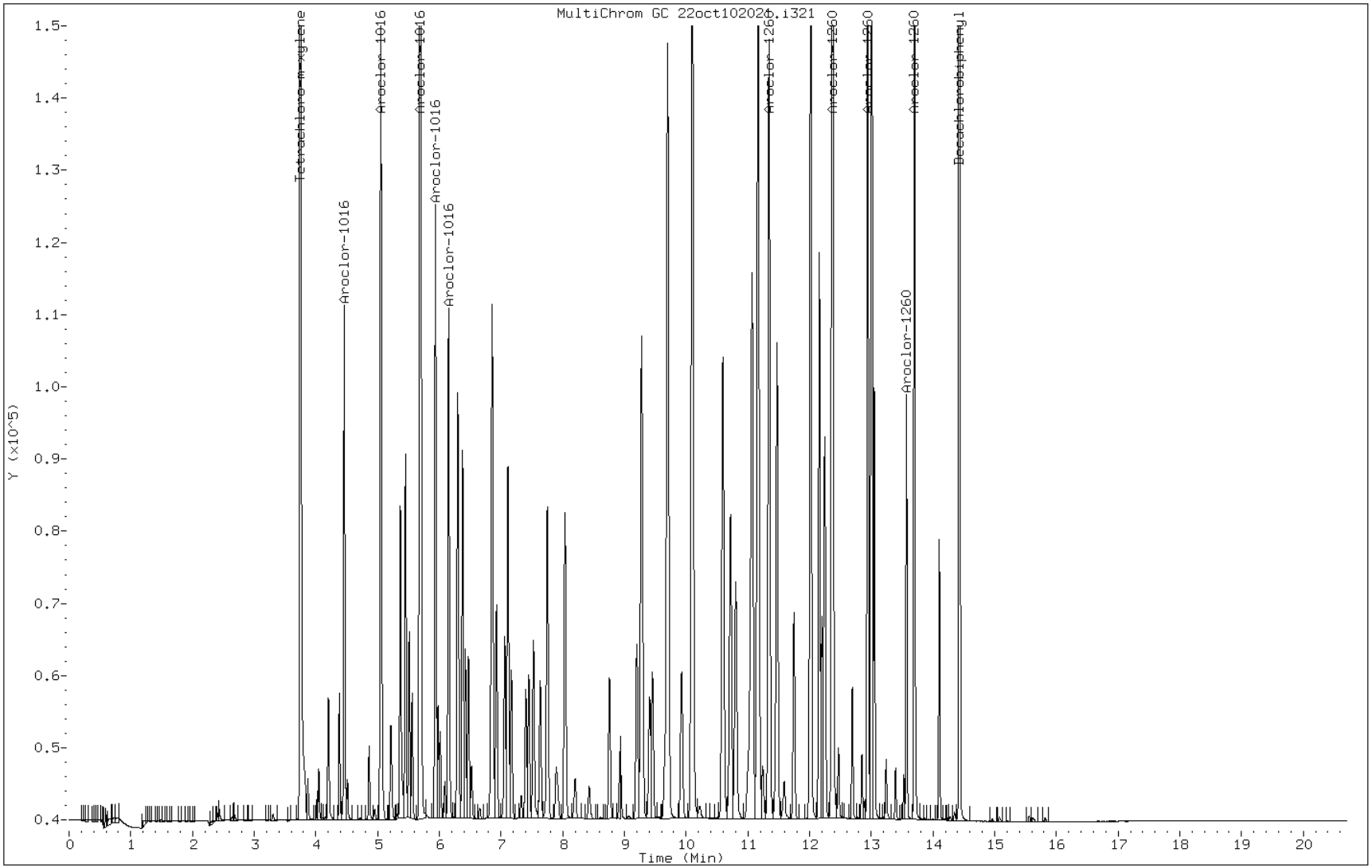
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

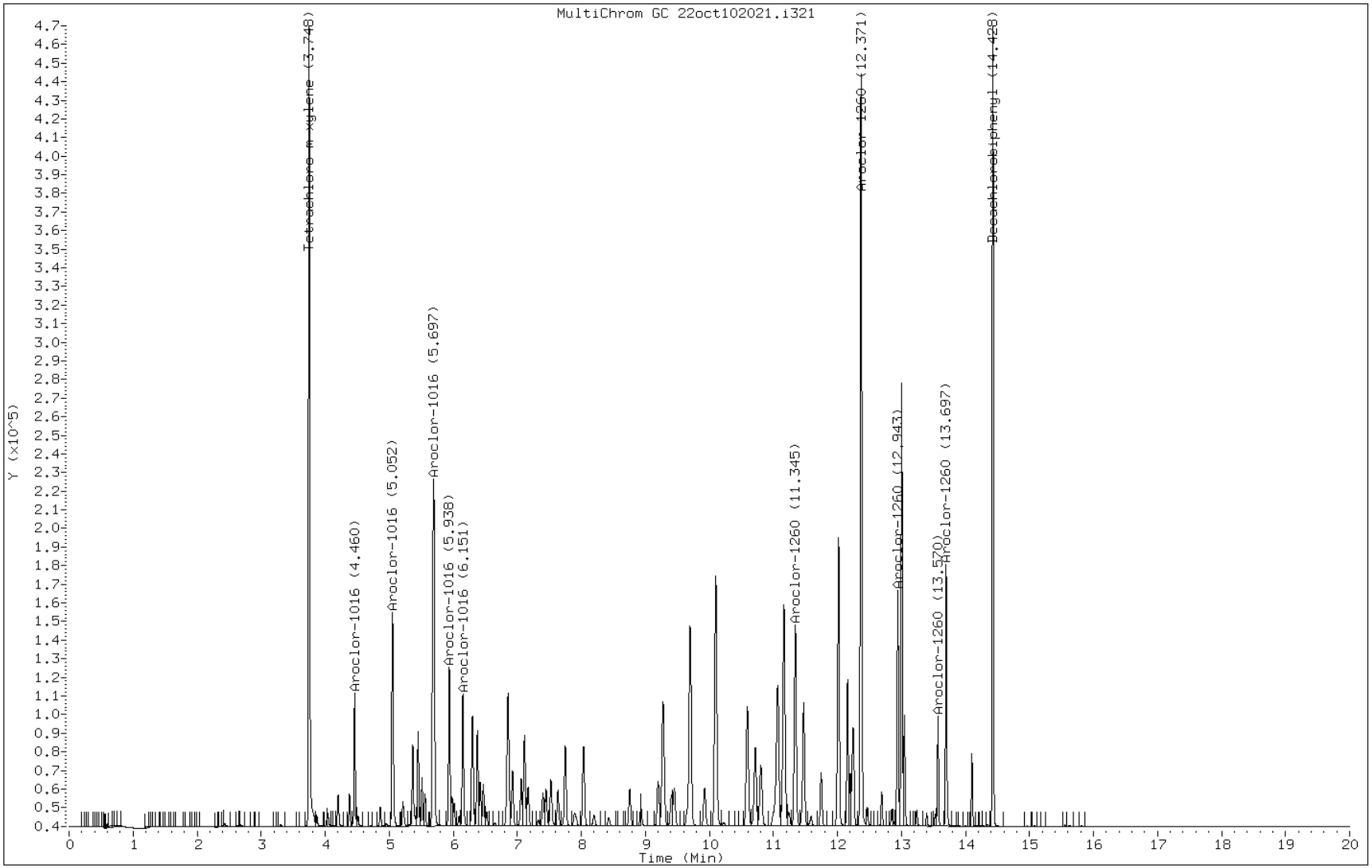
				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.748	3.746	0.002	440930	80.0000	76.00	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
4.460	4.458	0.002	71313	800.000	649.7	80.00- 120.00	100.00
5.052	5.050	0.002	114687	800.000	668.1	242.86- 282.86	160.82
5.697	5.695	0.002	186372	800.000	707.6	231.90- 271.90	261.34
5.938	5.936	0.002	85059	800.000	670.7	98.24- 138.24	119.28
6.151	6.151	0.000	70634	800.000	671.1	94.08- 134.08	99.05
Average of Peak Amounts =					673.4		
7 Aroclor-1260					CAS #: 11096-82-5		
11.345	11.343	0.002	107930	800.000	665.8	80.00- 120.00	100.00
12.371	12.369	0.002	403960	800.000	750.9	92.64- 132.64	374.28
12.943	12.941	0.002	126623	800.000	672.6	69.99- 109.99	117.32

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
13.570	13.568	0.002	58805	800.000	658.1	115.64- 155.64	54.48
13.697	13.697	0.000	140492	800.000	680.8	57.50- 97.50	130.17
		Average of Peak Amounts =			685.6		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.428	14.426	0.002	512149	80.0000	76.04	80.00- 120.00	100.00

Data File:	22oct102021-r321.d	Date:	23-OCT-2010 08:56
Client ID:	AR1660_800	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	IC-30312,1,AR1660_800		
Lab Sample ID:	IC-30312		



Data File:	22oct102021-r321.d	Date:	23-OCT-2010 08:56
Client ID:	AR1660_800	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	IC-30312,1,AR1660_800		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: ICV 200-11196/17 Calibration Date: 12/15/2010 21:08

Instrument ID: 3283.i Calib Start Date: 12/15/2010 18:40

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 12/15/2010 20:18

Lab File ID: 15dec101426-r171.d Conc. Units: ug/L

EPA Sample No.: AR1660_ICV

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	48.31	48.07		199	200	-0.5	20.0
PCB-1016 Peak 2	Ave	49.32	48.12		195	200	-2.4	20.0
PCB-1016 Peak 3	Ave	55.33	54.12		196	200	-2.2	20.0
PCB-1016 Peak 4	Ave	37.01	36.17		195	200	-2.3	20.0
PCB-1016 Peak 5	Ave	38.07	36.06		189	200	-5.3	20.0
PCB-1260 Peak 1	Ave	46.99	45.84		195	200	-2.4	20.0
PCB-1260 Peak 2	Ave	47.76	47.61		199	200	-0.3	20.0
PCB-1260 Peak 3	Ave	106.5	104.8		197	200	-1.6	20.0
PCB-1260 Peak 4	Ave	57.19	56.55		198	200	-1.1	20.0
PCB-1260 Peak 5	Ave	34.75	32.57		187	200	-6.3	20.0
Tetrachloro-m-xylene	Ave	1696	1601		18.9	20.0	-5.6	20.0
DCB Decachlorobiphenyl	Ave	2092	2054		19.6	20.0	-1.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: ICV 200-11196/17 Calibration Date: 12/15/2010 21:08

Instrument ID: 3283.i Calib Start Date: 12/15/2010 18:40

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 12/15/2010 20:18

Lab File ID: 15dec101426-r171.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.11	4.06	4.16
PCB-1016 Peak 2	4.32	4.26	4.36
PCB-1016 Peak 3	4.76	4.70	4.80
PCB-1016 Peak 4	5.38	5.33	5.43
PCB-1016 Peak 5	5.56	5.51	5.61
PCB-1260 Peak 1	9.26	9.21	9.31
PCB-1260 Peak 2	9.83	9.78	9.88
PCB-1260 Peak 3	10.56	10.51	10.61
PCB-1260 Peak 4	11.31	11.26	11.36
PCB-1260 Peak 5	11.62	11.57	11.67
Tetrachloro-m-xylene	3.26	3.20	3.30
DCB Decachlorobiphenyl	13.41	13.35	13.45

TestAmerica Burlington

Data file : /var/chem/3283_1.i/121510_1/15DEC101426.b/15dec101426-r171.d
Lab Smp Id: ICV-30854 Client Smp ID: AR1660_ICV
Inj Date : 15-DEC-2010 21:08
Operator : DPD Inst ID: 3283_1.i
Smp Info : ICV-30854,1,AR1660_ICV
Misc Info :
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101426.b/8082_RTX5.m
Meth Date : 16-Dec-2010 07:24 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ICV1660.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

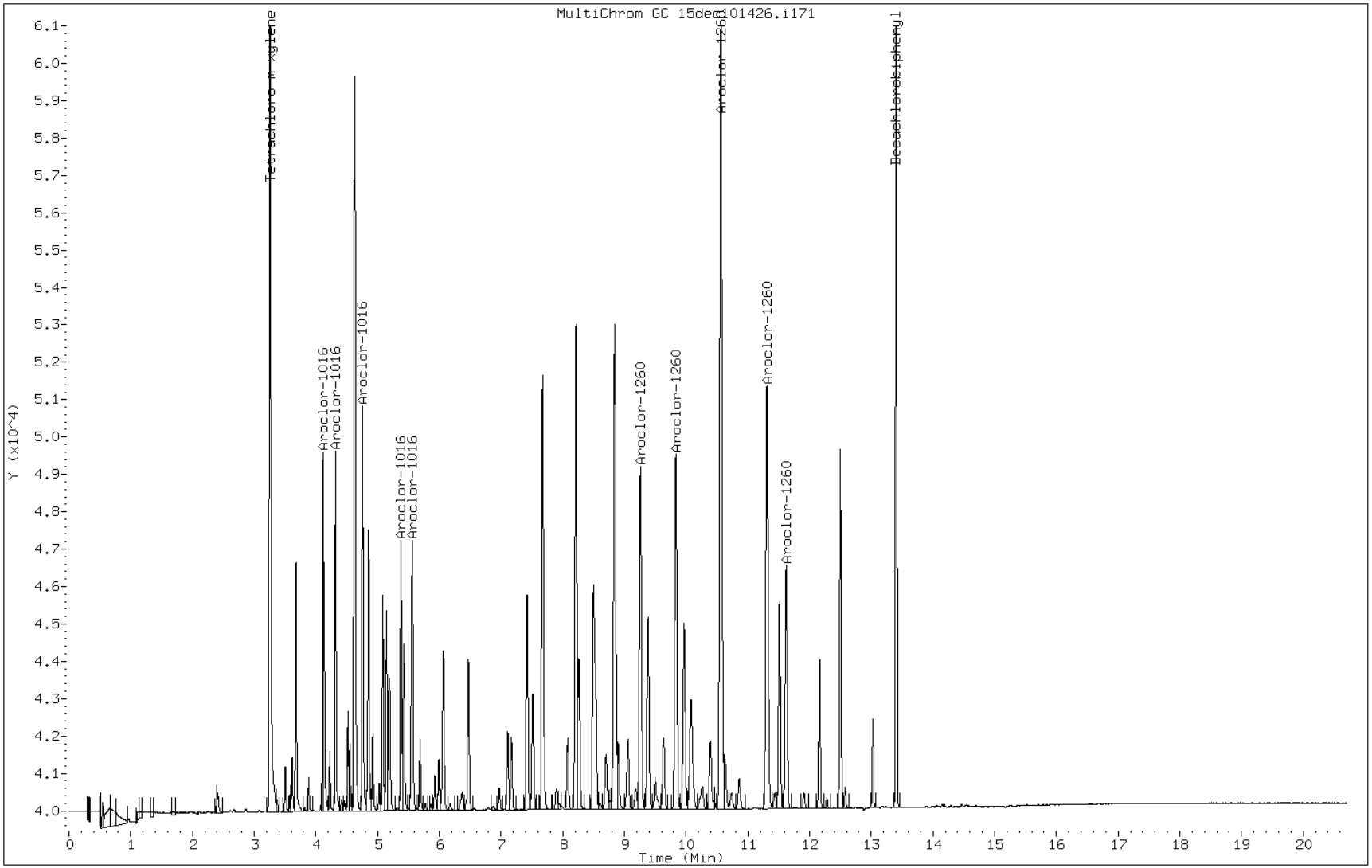
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.259	3.254	0.005	32024	18.8795	18.88	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
4.112	4.107	0.005	9613	198.993	199.0	80.00- 120.00	100.00
4.318	4.314	0.004	9624	195.122	195.1	242.86- 282.86	100.11
4.757	4.753	0.004	10824	195.635	195.6	231.90- 271.90	112.60
5.378	5.375	0.003	7233	195.427	195.4	98.24- 138.24	75.24
5.562	5.559	0.003	7211	189.412	189.4	94.08- 134.08	75.01
Average of Peak Concentrations =					194.9		
7 Aroclor-1260					CAS #: 11096-82-5		
9.259	9.257	0.002	9167	195.102	195.1	80.00- 120.00	100.00(M)
9.833	9.833	0.000	9521	199.367	199.4	92.64- 132.64	103.86
10.562	10.558	0.004	20953	196.779	196.8	69.99- 109.99	228.57

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
11.309	11.305	0.004	11310	197.745	197.7	115.64- 155.64	123.38
11.622	11.618	0.004	6514	187.480	187.5	57.50- 97.50	71.06
		Average of Peak Concentrations =			195.3		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.406	13.402	0.004	41076	19.6347	19.63	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File:	15dec101426-r171.d	Date:	15-DEC-2010 21:08
Client ID:	AR1660_ICV	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	ICV-30854,1,AR1660_ICV		
Lab Sample ID:	ICV-30854		



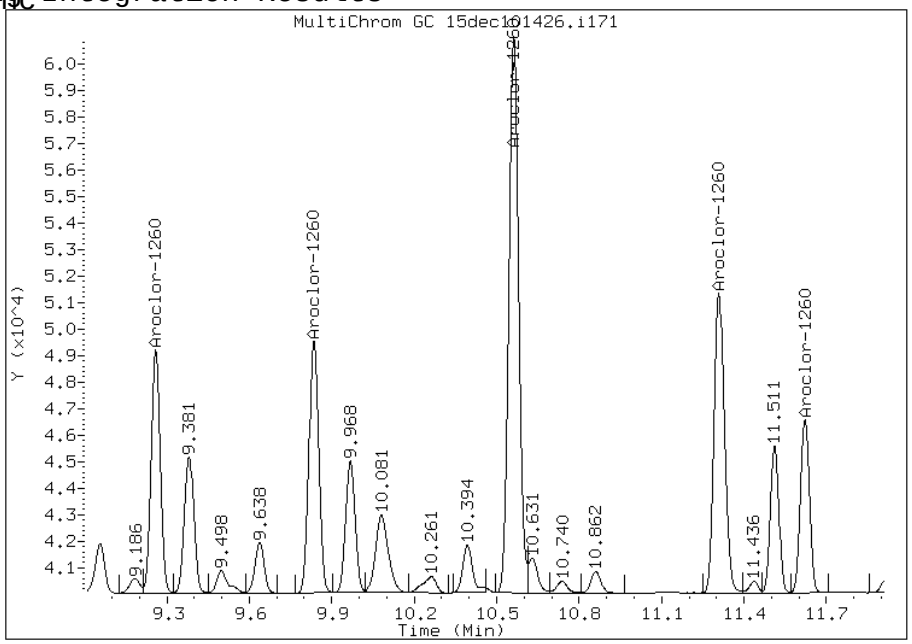
Manual Integration Report

Data File: 15dec101426-r171.d
Lab Sample ID: ICV-30854
Inj. Date and Time: 15-DEC-2010 21:08
Instrument ID: 3283_1.i
Client ID: AR1660_ICV
Compound: 7 Aroclor-1260
CAS #: 11096-82-5
Report Date: 12/16/2010

Processing Integration Results

RT	Response	Conc
9.26	9159*	194.93
9.83	9504*	199.01
10.56	20940*	196.66
11.31	11310	197.75
11.62	6514	187.48

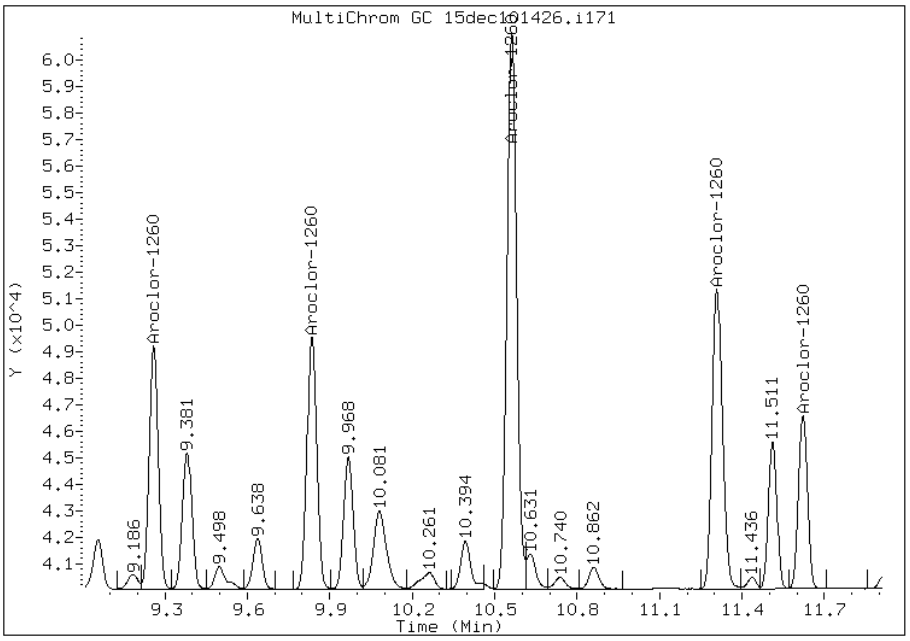
Final Conc		195.20



Manual Integration Results

RT	Response	Conc
9.26	9167*	195.10
9.83	9521*	199.37
10.56	20953*	196.78
11.31	11310	197.75
11.62	6514	187.48

Final Conc		195.30



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: ICV 200-11196/17 Calibration Date: 12/15/2010 21:08

Instrument ID: 3283.i Calib Start Date: 12/15/2010 18:40

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 12/15/2010 20:18

Lab File ID: 15dec101426-r171.d Conc. Units: ug/L

EPA Sample No.: AR1660_ICV

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	24.03	24.46		204	200	1.8	20.0
PCB-1016 Peak 2	Ave	44.31	43.76		198	200	-1.2	20.0
PCB-1016 Peak 3	Ave	75.65	72.73		192	200	-3.9	20.0
PCB-1016 Peak 4	Ave	28.29	28.18		199	200	-0.4	20.0
PCB-1016 Peak 5	Ave	22.48	22.39		199	200	-0.4	20.0
PCB-1260 Peak 1	Ave	26.63	26.94		202	200	1.1	20.0
PCB-1260 Peak 2	Ave	71.65	71.16		199	200	-0.7	20.0
PCB-1260 Peak 3	Ave	25.10	24.19		193	200	-3.6	20.0
PCB-1260 Peak 4	Ave	14.13	13.48		191	200	-4.6	20.0
PCB-1260 Peak 5	Ave	34.34	31.78		185	200	-7.5	20.0
Tetrachloro-m-xylene	Ave	1144	1084		18.9	20.0	-5.3	20.0
DCB Decachlorobiphenyl	Ave	1346	1311		19.5	20.0	-2.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: ICV 200-11196/17 Calibration Date: 12/15/2010 21:08

Instrument ID: 3283.i Calib Start Date: 12/15/2010 18:40

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 12/15/2010 20:18

Lab File ID: 15dec101426-r171.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.86	3.81	3.91
PCB-1016 Peak 2	4.33	4.29	4.39
PCB-1016 Peak 3	4.85	4.80	4.90
PCB-1016 Peak 4	5.05	5.00	5.10
PCB-1016 Peak 5	5.22	5.17	5.27
PCB-1260 Peak 1	9.82	9.77	9.87
PCB-1260 Peak 2	11.23	11.18	11.28
PCB-1260 Peak 3	12.00	11.95	12.05
PCB-1260 Peak 4	12.75	12.70	12.80
PCB-1260 Peak 5	12.91	12.86	12.96
Tetrachloro-m-xylene	3.19	3.14	3.24
DCB Decachlorobiphenyl	13.70	13.65	13.75

TestAmerica Burlington

Data file : /var/chem/3283_2.i/121510_1/15DEC101426.b/15dec101426-r171.d
Lab Smp Id: ICV-30854 Client Smp ID: AR1660_ICV
Inj Date : 15-DEC-2010 21:08
Operator : DPD Inst ID: 3283_2.i
Smp Info : ICV-30854,1,AR1660_ICV
Misc Info :
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101426.b/8082_RTX35.m
Meth Date : 16-Dec-2010 07:26 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ICV1660.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

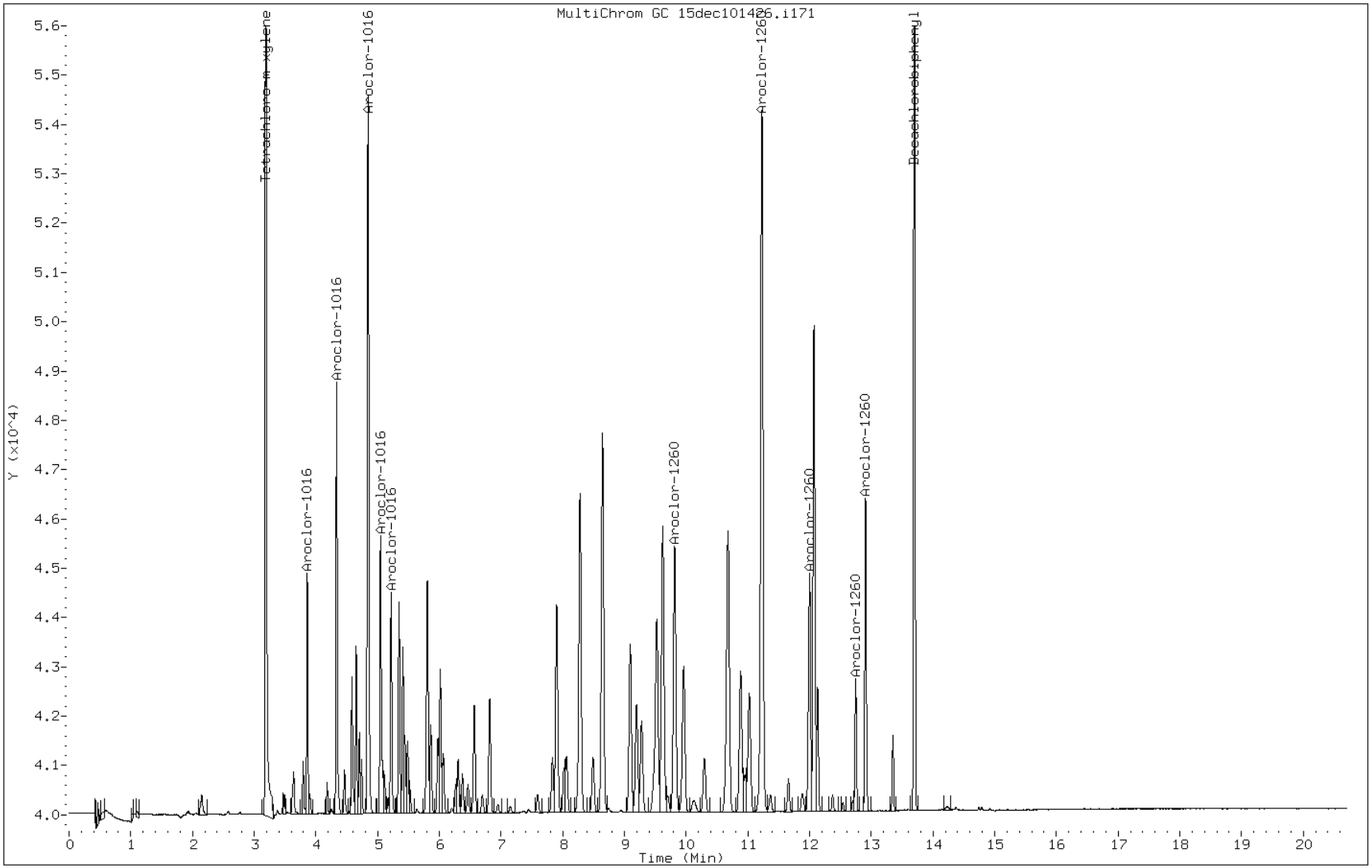
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.188	3.190	-0.002	21674	18.9476	18.95	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
3.861	3.861	0.000	4892	203.573	203.6	80.00- 120.00	100.00
4.334	4.336	-0.002	8752	197.533	197.5	242.86- 282.86	178.90
4.848	4.848	0.000	14546	192.277	192.3	231.90- 271.90	297.34
5.047	5.047	0.000	5635	199.176	199.2	98.24- 138.24	115.19
5.220	5.220	0.000	4477	199.135	199.1	94.08- 134.08	91.52
Average of Peak Concentrations =					198.3		
7 Aroclor-1260					CAS #: 11096-82-5		
9.815	9.815	0.000	5388	202.292	202.3	80.00- 120.00	100.00
11.227	11.227	0.000	14231	198.618	198.6	92.64- 132.64	264.12
12.001	12.001	0.000	4838	192.757	192.8	69.99- 109.99	89.79

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
12.746	12.748	-0.002	2696	190.756	190.8	115.64- 155.64	50.04
12.908	12.908	0.000	6355	185.052	185.1	57.50- 97.50	117.95
		Average of Peak Concentrations =			193.9		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.699	13.699	0.000	26223	19.4883	19.49	80.00- 120.00	100.00

Data File:	15dec101426-r171.d	Date:	15-DEC-2010 21:08
Client ID:	AR1660_ICV	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	ICV-30854,1,AR1660_ICV		
Lab Sample ID:	ICV-30854		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-11224/11 Calibration Date: 12/16/2010 01:39

Instrument ID: 3283.i Calib Start Date: 12/15/2010 18:40

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 12/15/2010 20:18

Lab File ID: 15dec101459-r111.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	48.31	45.99		190	200	-4.8	15.0
PCB-1016 Peak 2	Ave	49.32	47.41		192	200	-3.9	15.0
PCB-1016 Peak 3	Ave	55.33	52.86		191	200	-4.5	15.0
PCB-1016 Peak 4	Ave	37.01	35.22		190	200	-4.9	15.0
PCB-1016 Peak 5	Ave	38.07	36.82		193	200	-3.3	15.0
PCB-1260 Peak 1	Ave	46.99	46.58		198	200	-0.9	15.0
PCB-1260 Peak 2	Ave	47.76	48.55		203	200	1.7	15.0
PCB-1260 Peak 3	Ave	106.5	108.9		204	200	2.2	15.0
PCB-1260 Peak 4	Ave	57.19	58.58		205	200	2.4	15.0
PCB-1260 Peak 5	Ave	34.75	36.06		208	200	3.8	15.0
Tetrachloro-m-xylene	Ave	1696	1663		19.6	20.0	-2.0	15.0
DCB Decachlorobiphenyl	Ave	2092	2165		20.7	20.0	3.5	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-11224/11 Calibration Date: 12/16/2010 01:39

Instrument ID: 3283.i Calib Start Date: 12/15/2010 18:40

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 12/15/2010 20:18

Lab File ID: 15dec101459-r111.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.11	4.06	4.16
PCB-1016 Peak 2	4.32	4.26	4.36
PCB-1016 Peak 3	4.76	4.70	4.80
PCB-1016 Peak 4	5.38	5.33	5.43
PCB-1016 Peak 5	5.56	5.51	5.61
PCB-1260 Peak 1	9.26	9.21	9.31
PCB-1260 Peak 2	9.84	9.78	9.88
PCB-1260 Peak 3	10.56	10.51	10.61
PCB-1260 Peak 4	11.31	11.26	11.36
PCB-1260 Peak 5	11.62	11.57	11.67
Tetrachloro-m-xylene	3.26	3.20	3.30
DCB Decachlorobiphenyl	13.41	13.35	13.45

TestAmerica Burlington

Data file : /var/chem/3283_1.i/121510_1/15DEC101459.b/15dec101459-r111.d
Lab Smp Id: CCV-58588
Inj Date : 16-DEC-2010 01:39
Operator : DPD Inst ID: 3283_1.i
Smp Info : CCV-58588
Misc Info :
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 07:27 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

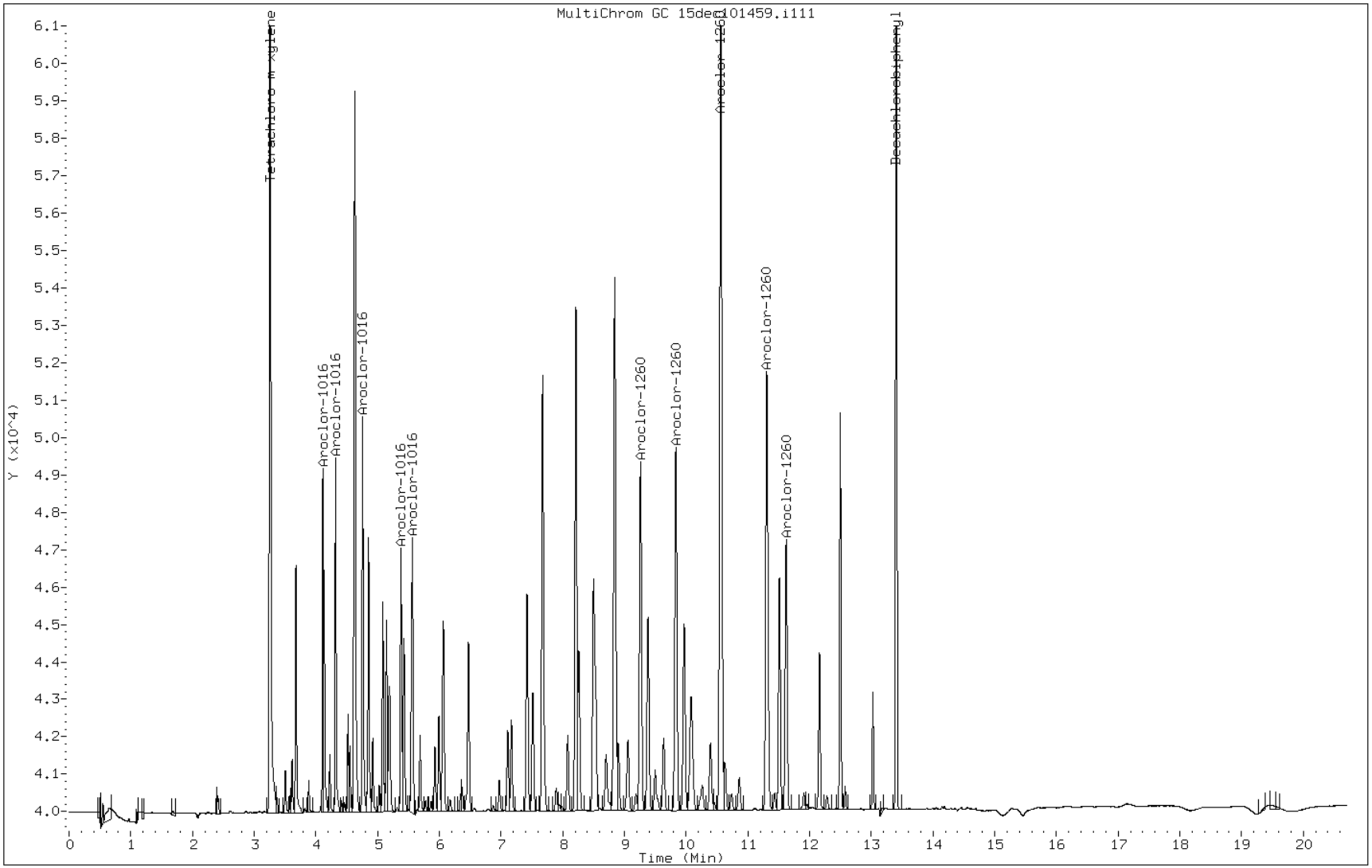
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.261	3.254	0.007	33257	20.0000	19.61	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
4.112	4.107	0.005	9198	200.000	190.4	80.00- 120.00	100.00
4.318	4.314	0.004	9482	200.000	192.2	242.86- 282.86	103.09
4.757	4.753	0.004	10572	200.000	191.1	231.90- 271.90	114.94
5.380	5.375	0.005	7043	200.000	190.3	98.24- 138.24	76.57
5.562	5.559	0.003	7364	200.000	193.4	94.08- 134.08	80.06
Average of Peak Amounts =					191.5		
7 Aroclor-1260					CAS #: 11096-82-5		
9.259	9.257	0.002	9316	200.000	198.3	80.00- 120.00	100.00
9.835	9.833	0.002	9710	200.000	203.3	92.64- 132.64	104.23
10.560	10.558	0.002	21772	200.000	204.5	69.99- 109.99	233.71

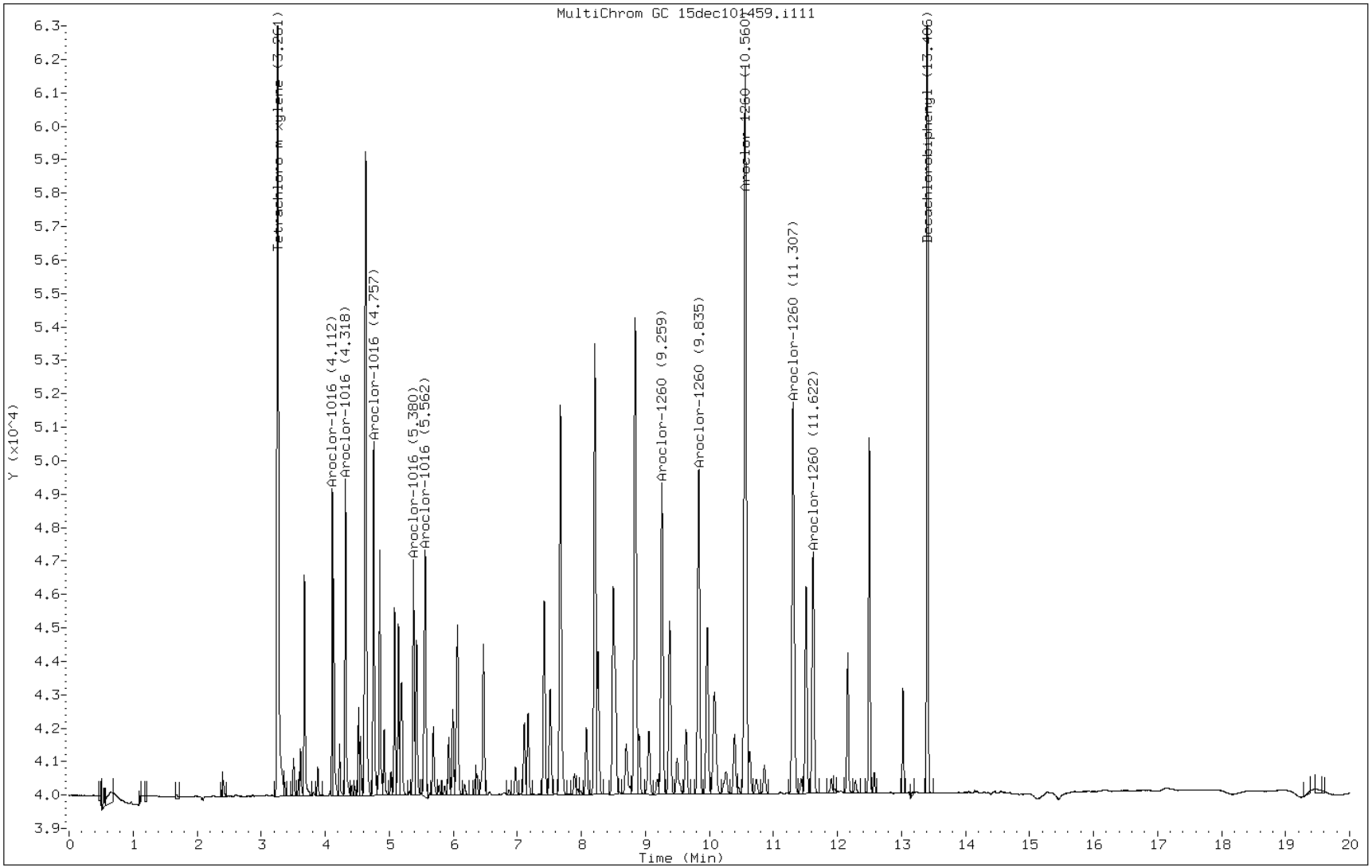
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
11.307	11.305	0.002	11715	200.000	204.8	115.64- 155.64	125.75
11.622	11.618	0.004	7212	200.000	207.6	57.50- 97.50	77.42
		Average of Peak Amounts =			203.7		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.406	13.402	0.004	43300	20.0000	20.70	80.00- 120.00	100.00

Data File:	15dec101459-r111.d	Date:	16-DEC-2010 01:39
Client ID:		Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	CCV-58588		
Lab Sample ID:	CCV-58588		



Data File: 15dec101459-r111.d
Client ID:
Operator: DPD
Column Type:
Stationary Phase: RTX-5
Sample Info: CCV-58588

Date: 16-DEC-2010 01:39
Instrument: 3283_1.i
Inj Vol: 1.0
Diameter: 0.2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-11224/11 Calibration Date: 12/16/2010 01:39

Instrument ID: 3283.i Calib Start Date: 12/15/2010 18:40

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 12/15/2010 20:18

Lab File ID: 15dec101459-r111.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	24.03	23.78		198	200	-1.1	15.0
PCB-1016 Peak 2	Ave	44.31	42.57		192	200	-3.9	15.0
PCB-1016 Peak 3	Ave	75.65	72.53		192	200	-4.1	15.0
PCB-1016 Peak 4	Ave	28.29	27.77		196	200	-1.8	15.0
PCB-1016 Peak 5	Ave	22.48	22.21		198	200	-1.2	15.0
PCB-1260 Peak 1	Ave	26.63	27.14		204	200	1.9	15.0
PCB-1260 Peak 2	Ave	71.65	74.26		207	200	3.6	15.0
PCB-1260 Peak 3	Ave	25.10	25.36		202	200	1.0	15.0
PCB-1260 Peak 4	Ave	14.13	14.19		201	200	0.4	15.0
PCB-1260 Peak 5	Ave	34.34	35.97		209	200	4.7	15.0
Tetrachloro-m-xylene	Ave	1144	1120		19.6	20.0	-2.1	15.0
DCB Decachlorobiphenyl	Ave	1346	1347		20.0	20.0	0.1	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-11224/11 Calibration Date: 12/16/2010 01:39

Instrument ID: 3283.i Calib Start Date: 12/15/2010 18:40

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 12/15/2010 20:18

Lab File ID: 15dec101459-r111.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.87	3.81	3.91
PCB-1016 Peak 2	4.34	4.29	4.39
PCB-1016 Peak 3	4.85	4.80	4.90
PCB-1016 Peak 4	5.05	5.00	5.10
PCB-1016 Peak 5	5.22	5.17	5.27
PCB-1260 Peak 1	9.82	9.77	9.87
PCB-1260 Peak 2	11.23	11.18	11.28
PCB-1260 Peak 3	12.01	11.95	12.05
PCB-1260 Peak 4	12.75	12.70	12.80
PCB-1260 Peak 5	12.91	12.86	12.96
Tetrachloro-m-xylene	3.19	3.14	3.24
DCB Decachlorobiphenyl	13.70	13.65	13.75

TestAmerica Burlington

Data file : /var/chem/3283_2.i/121510_1/15DEC101459.b/15dec101459-r111.d
Lab Smp Id: CCV-58588
Inj Date : 16-DEC-2010 01:39
Operator : DPD Inst ID: 3283_2.i
Smp Info : CCV-58588
Misc Info :
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 07:29 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

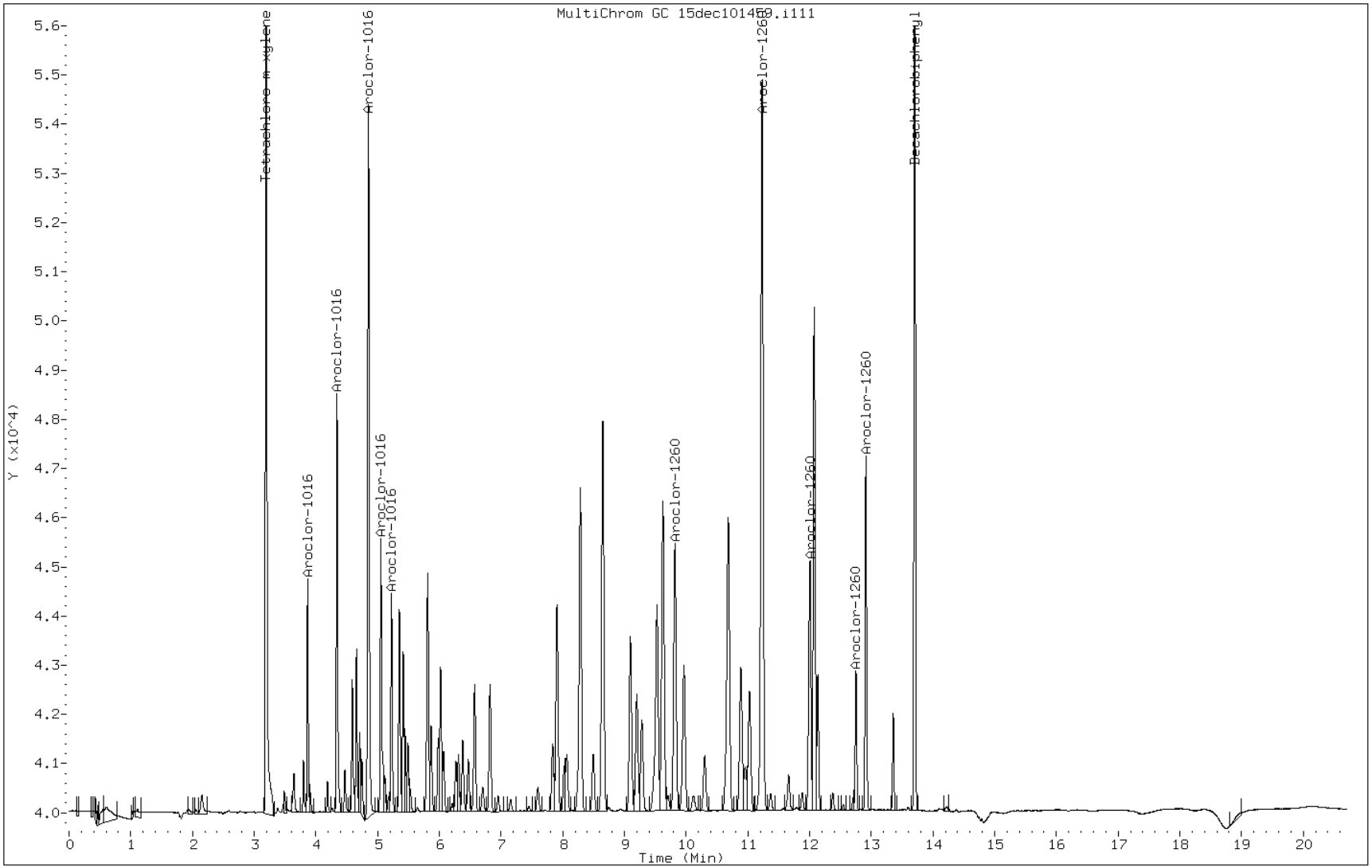
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.194	3.190	0.004	22396	20.0000	19.58	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
3.866	3.861	0.005	4755	200.000	197.9	80.00- 120.00	100.00
4.340	4.336	0.004	8513	200.000	192.1	242.86- 282.86	179.03
4.852	4.848	0.004	14506	200.000	191.7	231.90- 271.90	305.07
5.054	5.047	0.007	5554	200.000	196.3	98.24- 138.24	116.80
5.225	5.220	0.005	4441	200.000	197.5	94.08- 134.08	93.40
Average of Peak Amounts =					195.1		
7 Aroclor-1260					CAS #: 11096-82-5		
9.820	9.815	0.005	5427	200.000	203.8	80.00- 120.00	100.00
11.232	11.227	0.005	14852	200.000	207.3	92.64- 132.64	273.67
12.008	12.001	0.007	5072	200.000	202.1	69.99- 109.99	93.46

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
12.752	12.748	0.004	2838	200.000	200.8	115.64- 155.64	52.29
12.912	12.908	0.004	7194	200.000	209.5	57.50- 97.50	132.56
		Average of Peak Amounts =			204.7		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.703	13.699	0.004	26948	20.0000	20.03	80.00- 120.00	100.00

Data File:	15dec101459-r111.d	Date:	16-DEC-2010 01:39
Client ID:		Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	CCV-58588		
Lab Sample ID:	CCV-58588		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-11224/22 Calibration Date: 12/16/2010 06:13

Instrument ID: 3283.i Calib Start Date: 12/15/2010 18:40

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 12/15/2010 20:18

Lab File ID: 15dec101459-r221.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	48.31	45.49		188	200	-5.8	15.0
PCB-1016 Peak 2	Ave	49.32	46.70		189	200	-5.3	15.0
PCB-1016 Peak 3	Ave	55.33	51.70		187	200	-6.6	15.0
PCB-1016 Peak 4	Ave	37.01	34.41		186	200	-7.0	15.0
PCB-1016 Peak 5	Ave	38.07	36.13		190	200	-5.1	15.0
PCB-1260 Peak 1	Ave	46.99	45.26		193	200	-3.7	15.0
PCB-1260 Peak 2	Ave	47.76	46.73		196	200	-2.1	15.0
PCB-1260 Peak 3	Ave	106.5	104.2		196	200	-2.1	15.0
PCB-1260 Peak 4	Ave	57.19	55.36		194	200	-3.2	15.0
PCB-1260 Peak 5	Ave	34.75	34.53		199	200	-0.6	15.0
Tetrachloro-m-xylene	Ave	1696	1630		19.2	20.0	-3.9	15.0
DCB Decachlorobiphenyl	Ave	2092	2113		20.2	20.0	1.0	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-11224/22 Calibration Date: 12/16/2010 06:13

Instrument ID: 3283.i Calib Start Date: 12/15/2010 18:40

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 12/15/2010 20:18

Lab File ID: 15dec101459-r221.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.11	4.06	4.16
PCB-1016 Peak 2	4.31	4.26	4.36
PCB-1016 Peak 3	4.75	4.70	4.80
PCB-1016 Peak 4	5.37	5.33	5.43
PCB-1016 Peak 5	5.56	5.51	5.61
PCB-1260 Peak 1	9.25	9.21	9.31
PCB-1260 Peak 2	9.83	9.78	9.88
PCB-1260 Peak 3	10.55	10.51	10.61
PCB-1260 Peak 4	11.30	11.26	11.36
PCB-1260 Peak 5	11.61	11.57	11.67
Tetrachloro-m-xylene	3.25	3.20	3.30
DCB Decachlorobiphenyl	13.40	13.35	13.45

TestAmerica Burlington

Data file : /var/chem/3283_1.i/121510_1/15DEC101459.b/15dec101459-r221.d
Lab Smp Id: CCV-58588
Inj Date : 16-DEC-2010 06:13
Operator : DPD Inst ID: 3283_1.i
Smp Info : CCV-58588
Misc Info :
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 07:27 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

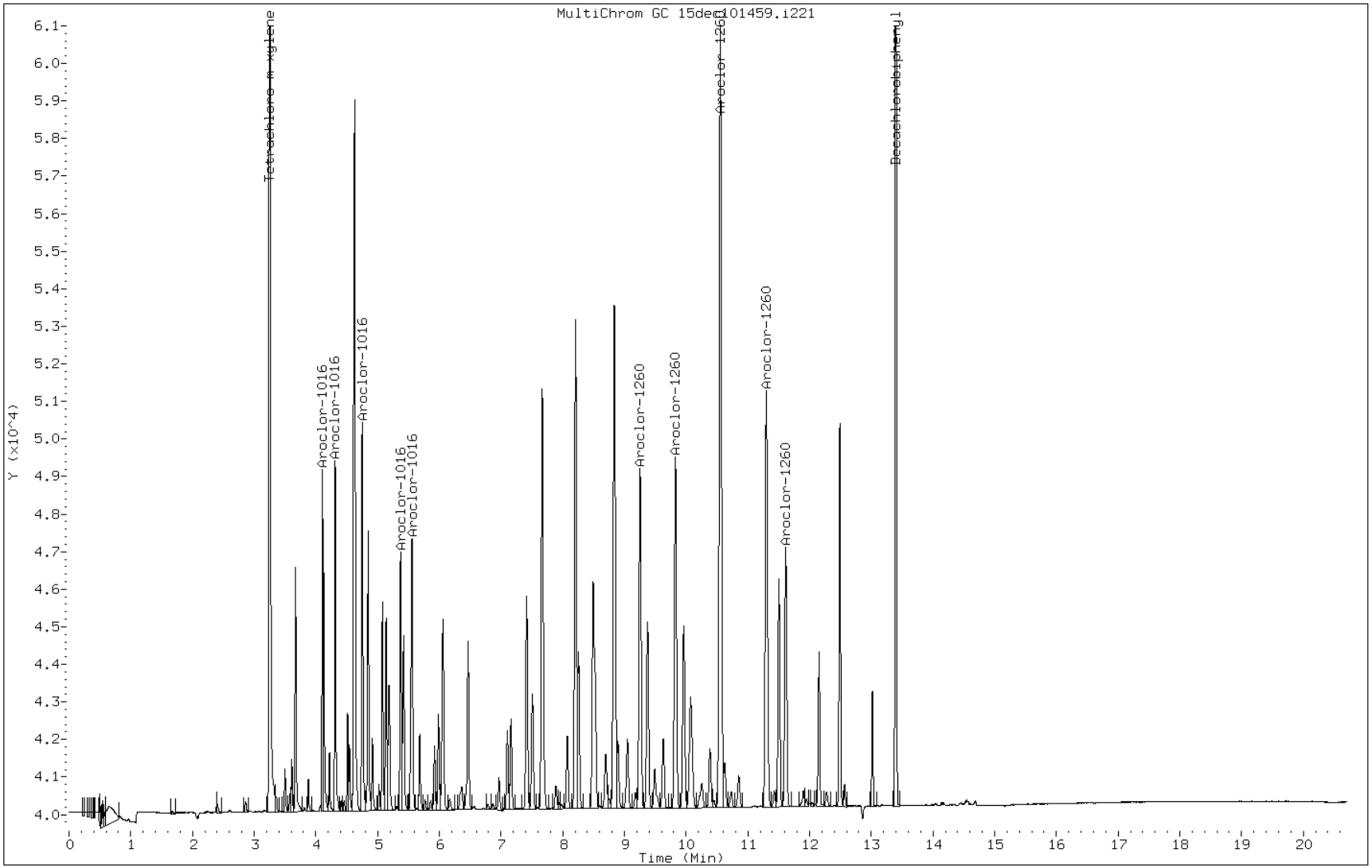
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.254	3.254	0.000	32593	20.0000	19.21	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
4.105	4.107	-0.002	9098	200.000	188.3	80.00- 120.00	100.00
4.311	4.314	-0.003	9340	200.000	189.4	242.86- 282.86	102.66
4.753	4.753	0.000	10339	200.000	186.9	231.90- 271.90	113.64
5.373	5.375	-0.002	6882	200.000	185.9	98.24- 138.24	75.64
5.557	5.559	-0.002	7226	200.000	189.8	94.08- 134.08	79.42
Average of Peak Amounts =					188.1		
7 Aroclor-1260					CAS #: 11096-82-5		
9.252	9.257	-0.005	9052	200.000	192.7	80.00- 120.00	100.00
9.829	9.833	-0.004	9346	200.000	195.7	92.64- 132.64	103.25
10.554	10.558	-0.004	20849	200.000	195.8	69.99- 109.99	230.32

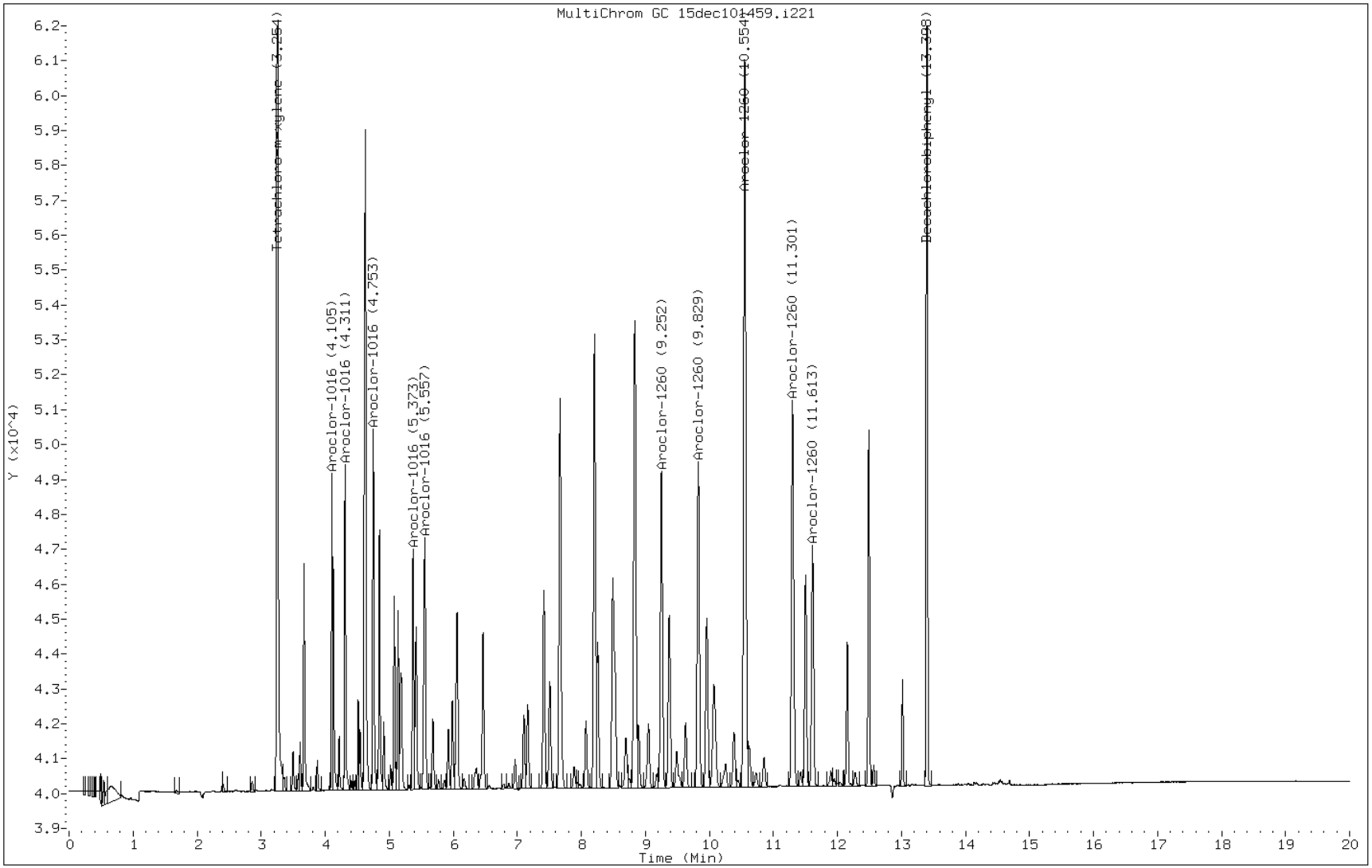
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
11.301	11.305	-0.004	11072	200.000	193.6	115.64- 155.64	122.32
11.613	11.618	-0.005	6905	200.000	198.7	57.50- 97.50	76.28
		Average of Peak Amounts =			195.3		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.398	13.402	-0.004	42258	20.0000	20.20	80.00- 120.00	100.00

Data File:	15dec101459-r221.d	Date:	16-DEC-2010 06:13
Client ID:		Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	CCV-58588		
Lab Sample ID:	CCV-58588		



Data File: 15dec101459-r221.d
Client ID:
Operator: DPD
Column Type:
Stationary Phase: RTX-5
Sample Info: CCV-58588

Date: 16-DEC-2010 06:13
Instrument: 3283_1.i
Inj Vol: 1.0
Diameter: 0.2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-11224/22 Calibration Date: 12/16/2010 06:13

Instrument ID: 3283.i Calib Start Date: 12/15/2010 18:40

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 12/15/2010 20:18

Lab File ID: 15dec101459-r221.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	24.03	23.60		196	200	-1.8	15.0
PCB-1016 Peak 2	Ave	44.31	41.71		188	200	-5.9	15.0
PCB-1016 Peak 3	Ave	75.65	71.27		188	200	-5.8	15.0
PCB-1016 Peak 4	Ave	28.29	27.49		194	200	-2.9	15.0
PCB-1016 Peak 5	Ave	22.48	21.59		192	200	-4.0	15.0
PCB-1260 Peak 1	Ave	26.63	24.11		181	200	-9.5	15.0
PCB-1260 Peak 2	Ave	71.65	69.64		194	200	-2.8	15.0
PCB-1260 Peak 3	Ave	25.10	25.20		201	200	0.4	15.0
PCB-1260 Peak 4	Ave	14.13	14.05		199	200	-0.6	15.0
PCB-1260 Peak 5	Ave	34.34	34.15		199	200	-0.6	15.0
Tetrachloro-m-xylene	Ave	1144	1105		19.3	20.0	-3.4	15.0
DCB Decachlorobiphenyl	Ave	1346	1369		20.3	20.0	1.7	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-11224/22 Calibration Date: 12/16/2010 06:13

Instrument ID: 3283.i Calib Start Date: 12/15/2010 18:40

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 12/15/2010 20:18

Lab File ID: 15dec101459-r221.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.86	3.81	3.91
PCB-1016 Peak 2	4.34	4.29	4.39
PCB-1016 Peak 3	4.85	4.80	4.90
PCB-1016 Peak 4	5.05	5.00	5.10
PCB-1016 Peak 5	5.22	5.17	5.27
PCB-1260 Peak 1	9.82	9.77	9.87
PCB-1260 Peak 2	11.23	11.18	11.28
PCB-1260 Peak 3	12.00	11.95	12.05
PCB-1260 Peak 4	12.75	12.70	12.80
PCB-1260 Peak 5	12.91	12.86	12.96
Tetrachloro-m-xylene	3.19	3.14	3.24
DCB Decachlorobiphenyl	13.70	13.65	13.75

TestAmerica Burlington

Data file : /var/chem/3283_2.i/121510_1/15DEC101459.b/15dec101459-r221.d
Lab Smp Id: CCV-58588
Inj Date : 16-DEC-2010 06:13
Operator : DPD Inst ID: 3283_2.i
Smp Info : CCV-58588
Misc Info :
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 07:29 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

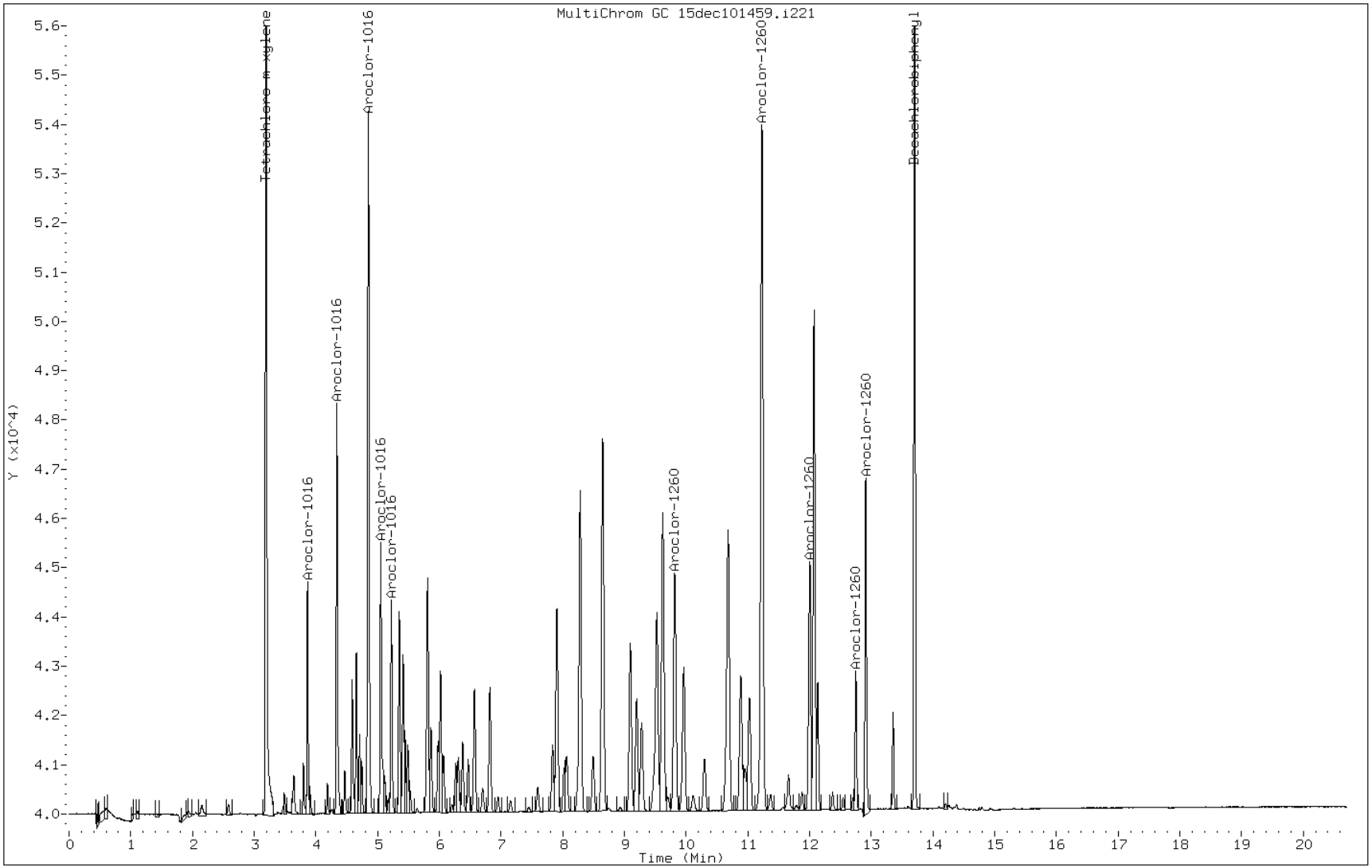
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.192	3.190	0.002	22100	20.0000	19.32	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
3.864	3.861	0.003	4719	200.000	196.4	80.00- 120.00	100.00
4.338	4.336	0.002	8341	200.000	188.3	242.86- 282.86	176.75
4.852	4.848	0.004	14254	200.000	188.4	231.90- 271.90	302.06
5.052	5.047	0.005	5497	200.000	194.3	98.24- 138.24	116.49
5.222	5.220	0.002	4318	200.000	192.1	94.08- 134.08	91.50
Average of Peak Amounts =					191.9		
7 Aroclor-1260					CAS #: 11096-82-5		
9.815	9.815	0.000	4821	200.000	181.0	80.00- 120.00	100.00
11.230	11.227	0.003	13927	200.000	194.4	92.64- 132.64	288.88
12.003	12.001	0.002	5040	200.000	200.8	69.99- 109.99	104.54

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
12.750	12.748	0.002	2810	200.000	198.8	115.64- 155.64	58.29
12.910	12.908	0.002	6829	200.000	198.9	57.50- 97.50	141.65
		Average of Peak Amounts =			194.8		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.701	13.699	0.002	27374	20.0000	20.34	80.00- 120.00	100.00

Data File:	15dec101459-r221.d	Date:	16-DEC-2010 06:13
Client ID:		Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	CCV-58588		
Lab Sample ID:	CCV-58588		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-11224/30 Calibration Date: 12/16/2010 09:34

Instrument ID: 3283.i Calib Start Date: 12/15/2010 18:40

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 12/15/2010 20:18

Lab File ID: 15dec101459-r301.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	48.31	45.88		190	200	-5.0	15.0
PCB-1016 Peak 2	Ave	49.32	46.47		188	200	-5.8	15.0
PCB-1016 Peak 3	Ave	55.33	52.03		188	200	-6.0	15.0
PCB-1016 Peak 4	Ave	37.01	34.08		184	200	-7.9	15.0
PCB-1016 Peak 5	Ave	38.07	35.18		185	200	-7.6	15.0
PCB-1260 Peak 1	Ave	46.99	46.71		199	200	-0.6	15.0
PCB-1260 Peak 2	Ave	47.76	47.61		199	200	-0.3	15.0
PCB-1260 Peak 3	Ave	106.5	106.2		199	200	-0.3	15.0
PCB-1260 Peak 4	Ave	57.19	58.11		203	200	1.6	15.0
PCB-1260 Peak 5	Ave	34.75	35.01		202	200	0.8	15.0
Tetrachloro-m-xylene	Ave	1696	1672		19.7	20.0	-1.4	15.0
DCB Decachlorobiphenyl	Ave	2092	2184		20.9	20.0	4.4	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-11224/30 Calibration Date: 12/16/2010 09:34

Instrument ID: 3283.i Calib Start Date: 12/15/2010 18:40

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 12/15/2010 20:18

Lab File ID: 15dec101459-r301.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.11	4.06	4.16
PCB-1016 Peak 2	4.31	4.26	4.36
PCB-1016 Peak 3	4.75	4.70	4.80
PCB-1016 Peak 4	5.37	5.33	5.43
PCB-1016 Peak 5	5.56	5.51	5.61
PCB-1260 Peak 1	9.25	9.21	9.31
PCB-1260 Peak 2	9.83	9.78	9.88
PCB-1260 Peak 3	10.56	10.51	10.61
PCB-1260 Peak 4	11.30	11.26	11.36
PCB-1260 Peak 5	11.61	11.57	11.67
Tetrachloro-m-xylene	3.25	3.20	3.30
DCB Decachlorobiphenyl	13.40	13.35	13.45

TestAmerica Burlington

Data file : /var/chem/3283_1.i/121510_1/15DEC101459.b/15dec101459-r301.d
Lab Smp Id: CCV-58588
Inj Date : 16-DEC-2010 09:34
Operator : DPD Inst ID: 3283_1.i
Smp Info : CCV-58588
Misc Info :
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 10:05 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

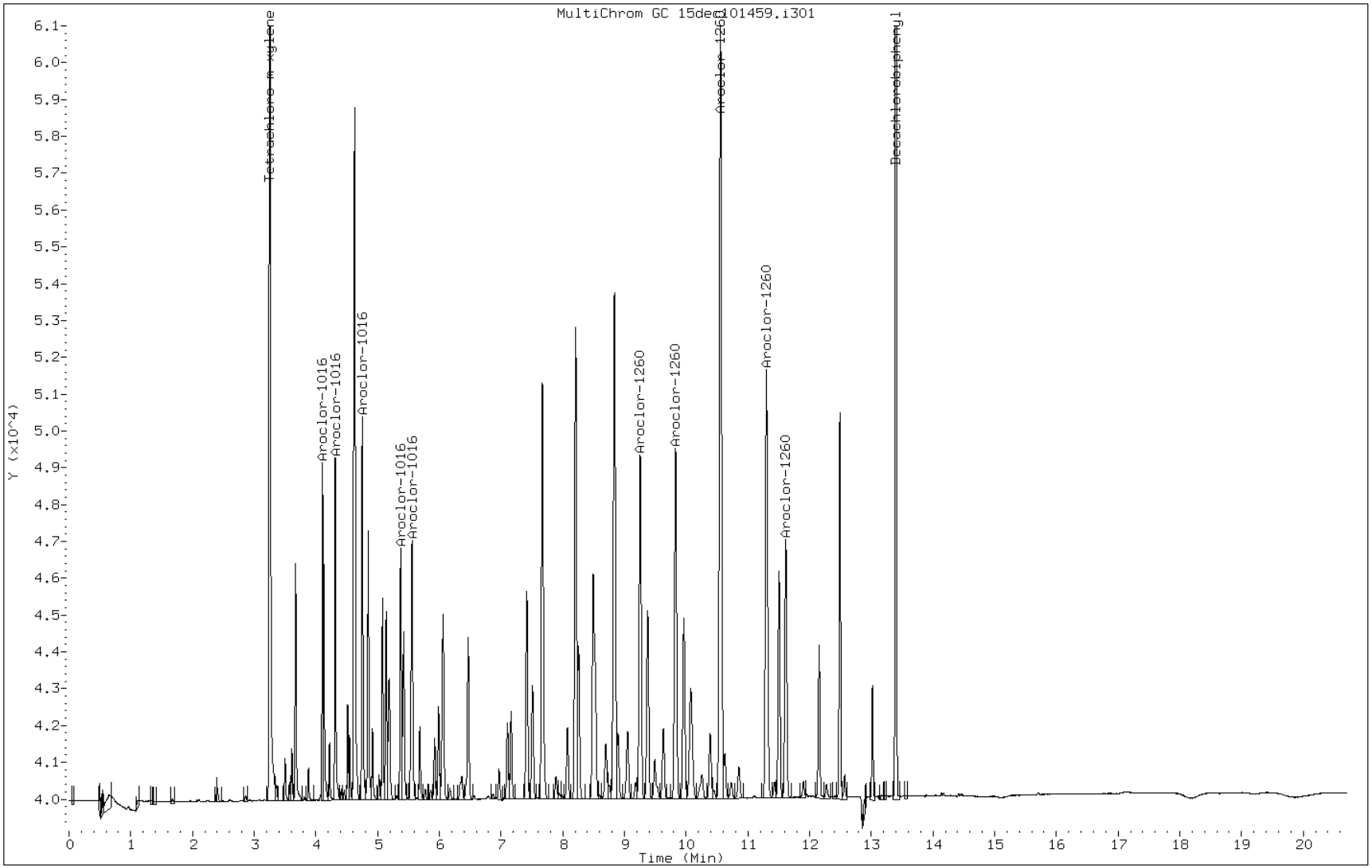
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

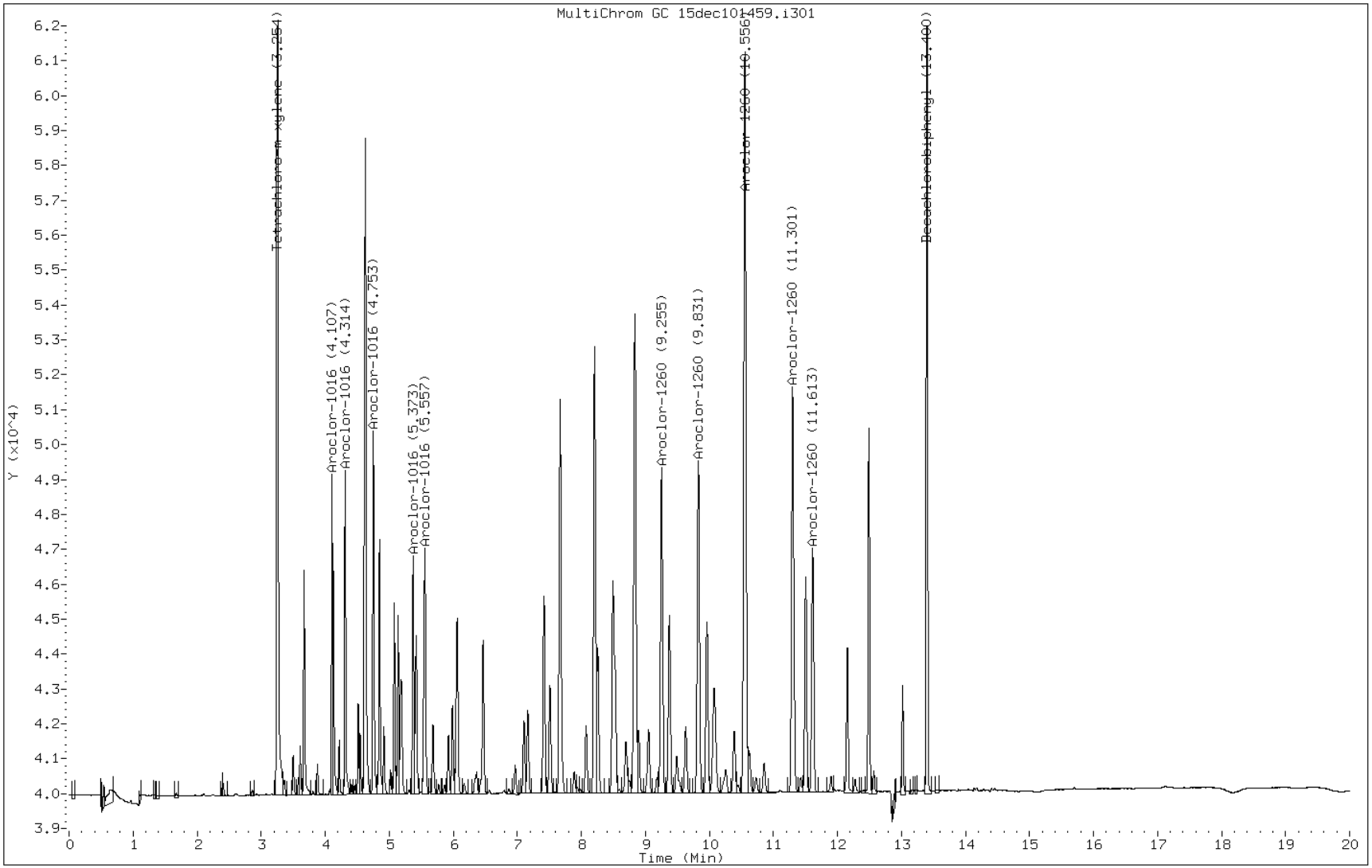
				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.254	3.254	0.000	33449	20.0000	19.72	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
4.107	4.107	0.000	9175	200.000	189.9	80.00- 120.00	100.00
4.314	4.314	0.000	9293	200.000	188.4	242.86- 282.86	101.29
4.753	4.753	0.000	10406	200.000	188.1	231.90- 271.90	113.42
5.373	5.375	-0.002	6816	200.000	184.2	98.24- 138.24	74.29
5.557	5.559	-0.002	7035	200.000	184.8	94.08- 134.08	76.68
Average of Peak Amounts =					187.1		
7 Aroclor-1260					CAS #: 11096-82-5		
9.255	9.257	-0.002	9341	200.000	198.8	80.00- 120.00	100.00
9.831	9.833	-0.002	9521	200.000	199.4	92.64- 132.64	101.93
10.556	10.558	-0.002	21239	200.000	199.5	69.99- 109.99	227.37

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
11.301	11.305	-0.004	11621	200.000	203.2	115.64- 155.64	124.41
11.613	11.618	-0.005	7002	200.000	201.5	57.50- 97.50	74.96
		Average of Peak Amounts =			200.5		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.400	13.402	-0.002	43673	20.0000	20.88	80.00- 120.00	100.00

Data File:	15dec101459-r301.d	Date:	16-DEC-2010 09:34
Client ID:		Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	CCV-58588		
Lab Sample ID:	CCV-58588		



Data File:	15dec101459-r301.d	Date:	16-DEC-2010 09:34
Client ID:		Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	CCV-58588		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-11224/30 Calibration Date: 12/16/2010 09:34

Instrument ID: 3283.i Calib Start Date: 12/15/2010 18:40

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 12/15/2010 20:18

Lab File ID: 15dec101459-r301.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	24.03	23.14		193	200	-3.7	15.0
PCB-1016 Peak 2	Ave	44.31	41.53		187	200	-6.3	15.0
PCB-1016 Peak 3	Ave	75.65	69.59		184	200	-8.0	15.0
PCB-1016 Peak 4	Ave	28.29	26.66		188	200	-5.8	15.0
PCB-1016 Peak 5	Ave	22.48	21.10		188	200	-6.1	15.0
PCB-1260 Peak 1	Ave	26.63	26.24		197	200	-1.5	15.0
PCB-1260 Peak 2	Ave	71.65	71.05		198	200	-0.8	15.0
PCB-1260 Peak 3	Ave	25.10	25.18		201	200	0.3	15.0
PCB-1260 Peak 4	Ave	14.13	15.17		215	200	7.3	15.0
PCB-1260 Peak 5	Ave	34.34	35.05		204	200	2.1	15.0
Tetrachloro-m-xylene	Ave	1144	1104		19.3	20.0	-3.5	15.0
DCB Decachlorobiphenyl	Ave	1346	1343		20.0	20.0	-0.2	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-11224/30 Calibration Date: 12/16/2010 09:34

Instrument ID: 3283.i Calib Start Date: 12/15/2010 18:40

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 12/15/2010 20:18

Lab File ID: 15dec101459-r301.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.86	3.81	3.91
PCB-1016 Peak 2	4.33	4.29	4.39
PCB-1016 Peak 3	4.85	4.80	4.90
PCB-1016 Peak 4	5.05	5.00	5.10
PCB-1016 Peak 5	5.22	5.17	5.27
PCB-1260 Peak 1	9.81	9.77	9.87
PCB-1260 Peak 2	11.22	11.18	11.28
PCB-1260 Peak 3	12.00	11.95	12.05
PCB-1260 Peak 4	12.74	12.70	12.80
PCB-1260 Peak 5	12.90	12.86	12.96
Tetrachloro-m-xylene	3.19	3.14	3.24
DCB Decachlorobiphenyl	13.69	13.65	13.75

TestAmerica Burlington

Data file : /var/chem/3283_2.i/121510_1/15DEC101459.b/15dec101459-r301.d
Lab Smp Id: CCV-58588
Inj Date : 16-DEC-2010 09:34
Operator : DPD Inst ID: 3283_2.i
Smp Info : CCV-58588
Misc Info :
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 10:06 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

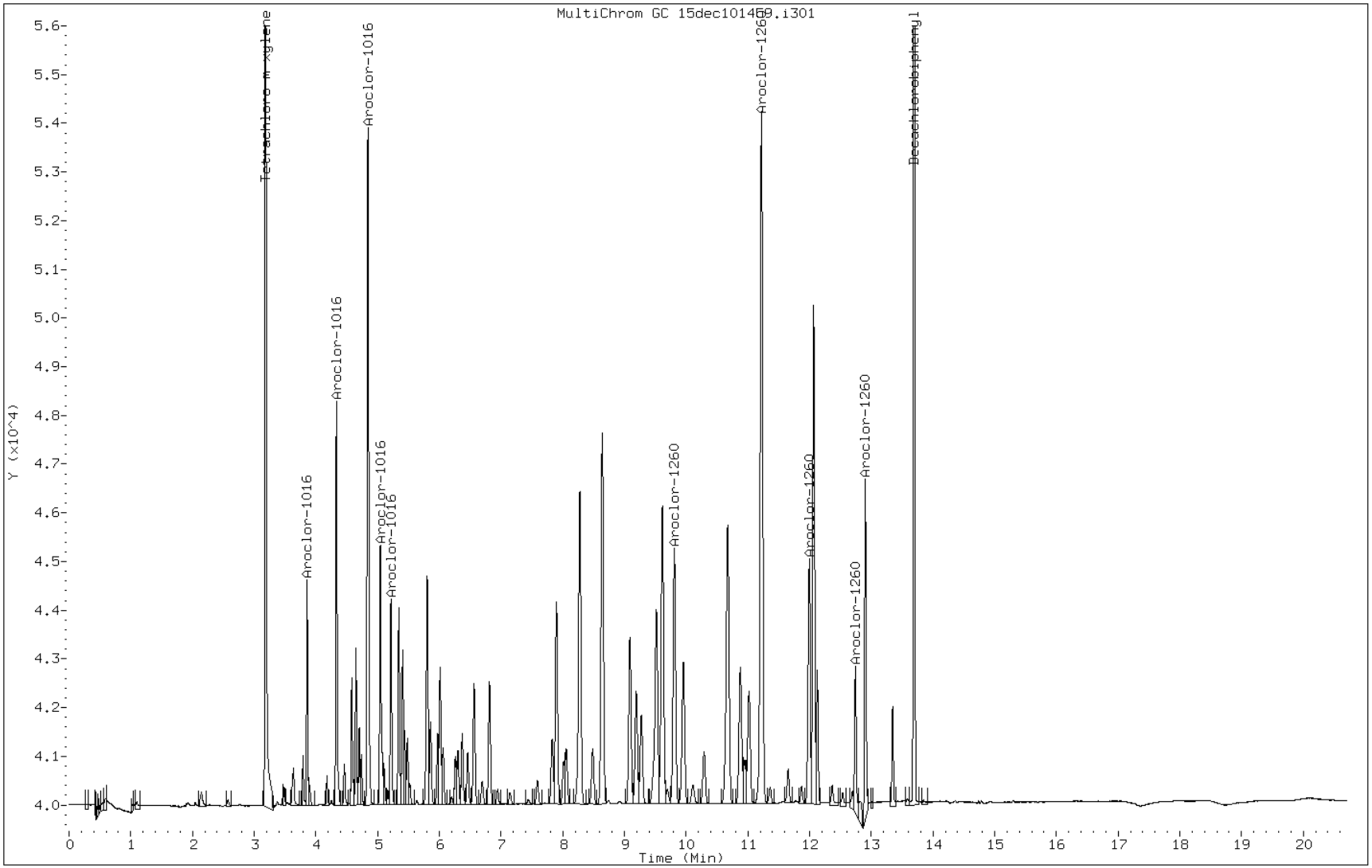
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
RT	EXP RT	DLT RT	RESPONSE				
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.185	3.190	-0.005	22072	20.0000	19.30	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
3.857	3.861	-0.004	4628	200.000	192.6	80.00- 120.00	100.00
4.331	4.336	-0.005	8306	200.000	187.5	242.86- 282.86	179.47
4.846	4.848	-0.002	13917	200.000	184.0	231.90- 271.90	300.71
5.045	5.047	-0.002	5332	200.000	188.5	98.24- 138.24	115.21
5.216	5.220	-0.004	4220	200.000	187.7	94.08- 134.08	91.18
Average of Peak Amounts =					188		
7 Aroclor-1260					CAS #: 11096-82-5		
9.809	9.815	-0.006	5248	200.000	197.0	80.00- 120.00	100.00
11.221	11.227	-0.006	14210	200.000	198.3	92.64- 132.64	270.77
11.997	12.001	-0.004	5035	200.000	200.6	69.99- 109.99	95.94

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
12.744	12.748	-0.004	3033	200.000	214.6	115.64- 155.64	57.79
12.903	12.908	-0.005	7010	200.000	204.1	57.50- 97.50	133.57
		Average of Peak Amounts =			202.9		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.695	13.699	-0.004	26857	20.0000	19.96	80.00- 120.00	100.00

Data File:	15dec101459-r301.d	Date:	16-DEC-2010 09:34
Client ID:		Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	CCV-58588		
Lab Sample ID:	CCV-58588		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: ICV 200-8378/34 Calibration Date: 10/23/2010 09:45

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 22oct102021-r341.d Conc. Units: ug/L

EPA Sample No.: AR1660ICV

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	68.73	70.87		206	200	3.1	20.0
PCB-1016 Peak 2	Ave	110.7	109.1		197	200	-1.5	20.0
PCB-1016 Peak 3	Ave	242.7	243.4		201	200	0.3	20.0
PCB-1016 Peak 4	Ave	130.0	129.2		199	200	-0.6	20.0
PCB-1016 Peak 5	Ave	86.42	86.19		199	200	-0.3	20.0
PCB-1260 Peak 1	Ave	119.8	116.9		195	200	-2.4	20.0
PCB-1260 Peak 2	Ave	126.1	124.4		197	200	-1.3	20.0
PCB-1260 Peak 3	Ave	280.7	278.9		199	200	-0.6	20.0
PCB-1260 Peak 4	Ave	123.3	122.6		199	200	-0.6	20.0
PCB-1260 Peak 5	Ave	77.38	73.15		189	200	-5.5	20.0
Tetrachloro-m-xylene	Ave	3638	3606		19.8	20.0	-0.9	20.0
DCB Decachlorobiphenyl	Ave	5288	4990		18.9	20.0	-5.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: ICV 200-8378/34 Calibration Date: 10/23/2010 09:45

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 22oct102021-r341.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.51	3.45	3.55
PCB-1016 Peak 2	4.13	4.07	4.17
PCB-1016 Peak 3	4.42	4.36	4.46
PCB-1016 Peak 4	4.53	4.47	4.57
PCB-1016 Peak 5	4.62	4.56	4.66
PCB-1260 Peak 1	8.75	8.69	8.79
PCB-1260 Peak 2	9.29	9.24	9.34
PCB-1260 Peak 3	10.00	9.94	10.04
PCB-1260 Peak 4	10.73	10.68	10.78
PCB-1260 Peak 5	11.12	11.07	11.17
Tetrachloro-m-xylene	3.11	3.05	3.15
DCB Decachlorobiphenyl	13.11	13.06	13.16

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/22OCT102021.b/22oct102021-r341.d
Lab Smp Id: ICV-30854 Client Smp ID: AR1660ICV
Inj Date : 23-OCT-2010 09:45
Operator : RRM Inst ID: 7227_1.i
Smp Info : ICV-30854,1,AR1660ICV
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/22OCT102021.b/8082_RTX5.m
Meth Date : 26-Oct-2010 09:43 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ICV1660.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

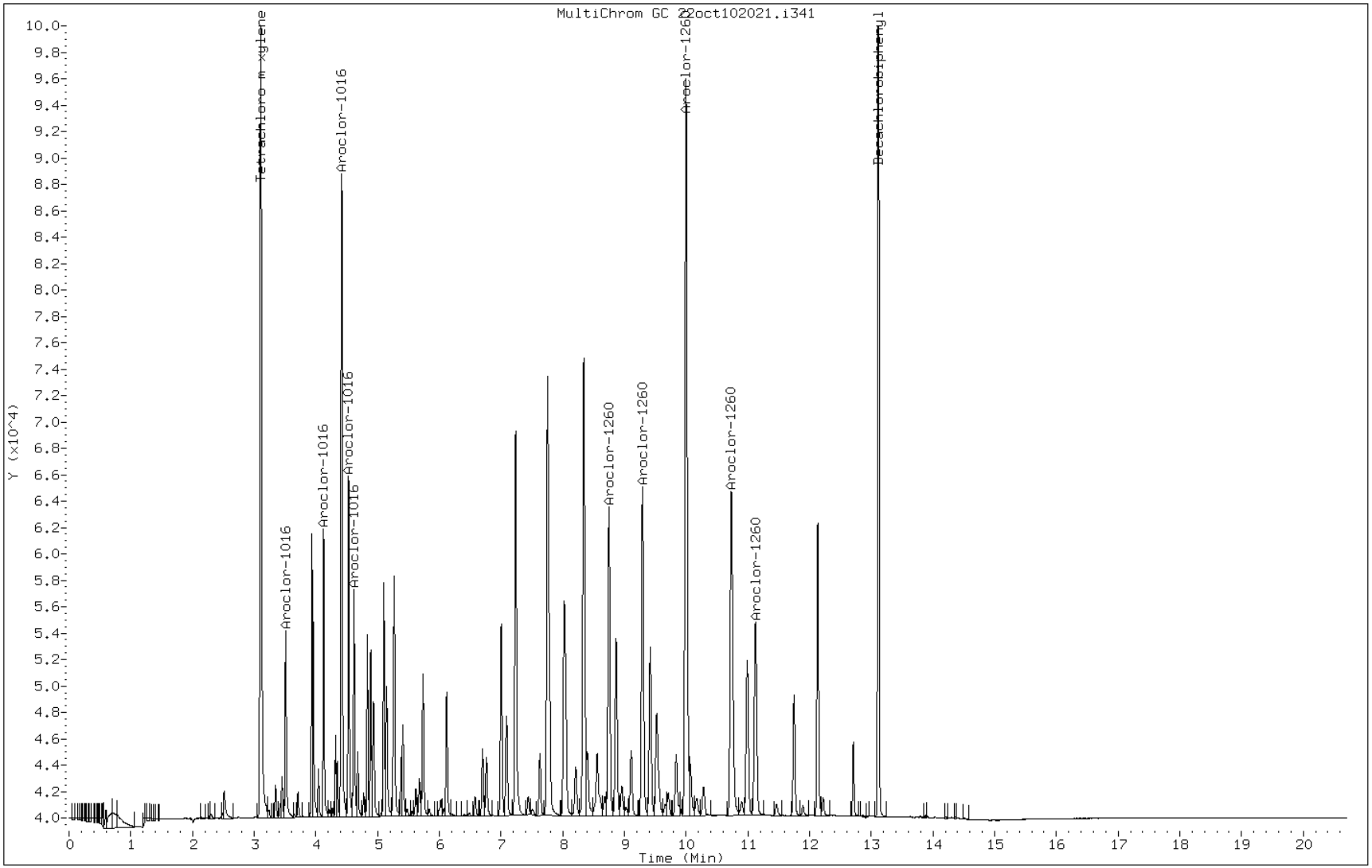
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.108	3.101	0.007	72113	19.8237	19.82	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
3.511	3.505	0.006	14173	206.198	206.2	80.00- 120.00	100.00
4.125	4.119	0.006	21821	197.072	197.1	242.86- 282.86	153.96
4.420	4.413	0.007	48682	200.597	200.6	231.90- 271.90	343.48
4.531	4.524	0.007	25837	198.784	198.8	98.24- 138.24	182.30
4.620	4.613	0.007	17237	199.454	199.5	94.08- 134.08	121.62
Average of Peak Concentrations =					200.4		
7 Aroclor-1260					CAS #: 11096-82-5		
8.749	8.743	0.006	23388	195.197	195.2	80.00- 120.00	100.00(M)
9.292	9.286	0.006	24889	197.419	197.4	92.64- 132.64	106.42
9.999	9.993	0.006	55788	198.721	198.7	69.99- 109.99	238.53

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
10.731	10.726	0.005	24519	198.873	198.9	115.64- 155.64	104.84
11.123	11.119	0.004	14630	189.067	189.1	57.50- 97.50	62.55
		Average of Peak Concentrations =			195.9		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.114	13.107	0.007	99792	18.8699	18.87	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File:	22oct102021-r341.d	Date:	23-OCT-2010 09:45
Client ID:	AR1660ICV	Instrument:	7227_1.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	ICV-30854,1,AR1660ICV		
Lab Sample ID:	ICV-30854		



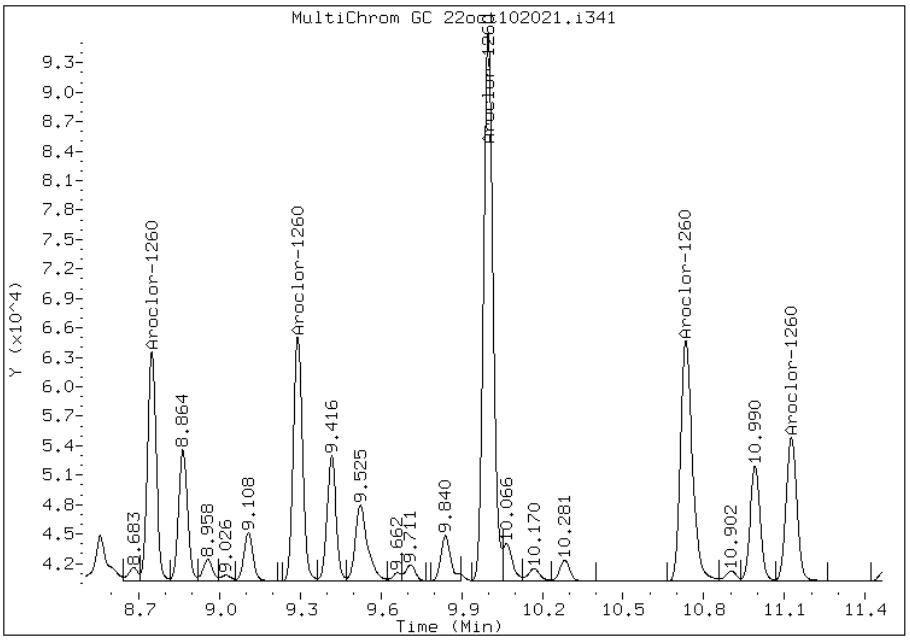
Manual Integration Report

Data File: 22oct102021-r341.d
Inj. Date and Time: 23-OCT-2010 09:45
Instrument ID: 7227_1.i
Client ID: AR1660ICV
Compound: 7 Aroclor-1260
CAS #: 11096-82-5
Report Date: 10/26/2010

Processing Integration Results

RT	Response	Conc
8.75	23029*	192.20
9.29	24761*	196.40
10.00	55702*	198.41
10.73	24519	198.87
11.12	14630	189.07

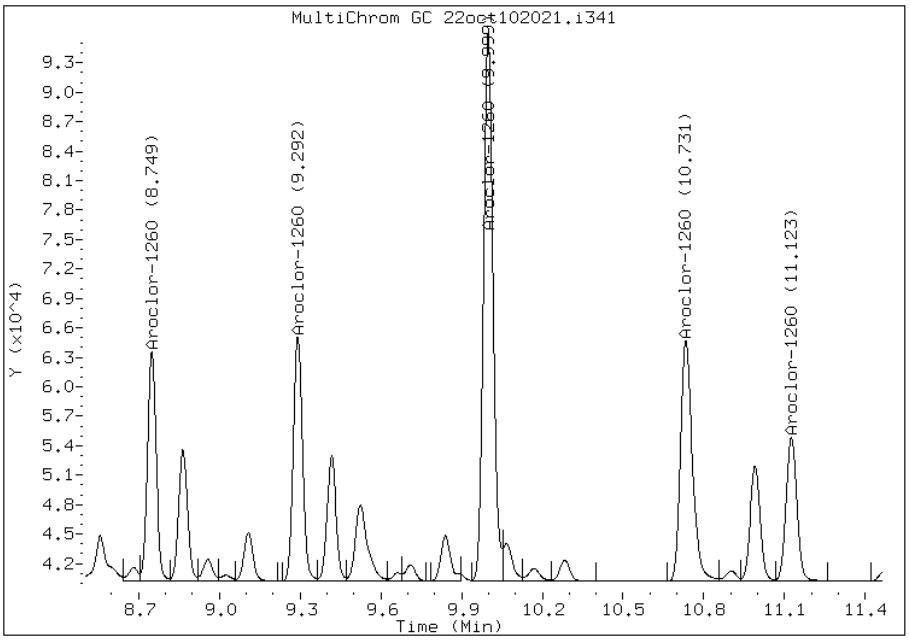
Final Conc		195.00



Manual Integration Results

RT	Response	Conc
8.75	23388*	195.20
9.29	24889*	197.42
10.00	55788*	198.72
10.73	24519	198.87
11.12	14630	189.07

Final Conc		195.90



File Uploaded By: lmt
Manual Integration Reason: Baseline event

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: ICV 200-8378/34 Calibration Date: 10/23/2010 09:45

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 22oct102021-r341.d Conc. Units: ug/L

EPA Sample No.: AR1660ICV

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	109.8	113.4		207	200	3.3	20.0
PCB-1016 Peak 2	Ave	171.7	171.8		200	200	0.0	20.0
PCB-1016 Peak 3	Ave	263.4	257.4		195	200	-2.3	20.0
PCB-1016 Peak 4	Ave	126.8	126.2		199	200	-0.5	20.0
PCB-1016 Peak 5	Ave	105.3	105.4		200	200	0.1	20.0
PCB-1260 Peak 1	Ave	162.1	162.3		200	200	0.1	20.0
PCB-1260 Peak 2	Ave	538.0	518.2		193	200	-3.7	20.0
PCB-1260 Peak 3	Ave	188.2	173.2		184	200	-8.0	20.0
PCB-1260 Peak 4	Ave	89.36	88.65		198	200	-0.8	20.0
PCB-1260 Peak 5	Ave	206.4	191.1		185	200	-7.4	20.0
Tetrachloro-m-xylene	Ave	5801	5506		19.0	20.0	-5.1	20.0
DCB Decachlorobiphenyl	Ave	6735	6303		18.7	20.0	-6.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: ICV 200-8378/34 Calibration Date: 10/23/2010 09:45

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 22oct102021-r341.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.47	4.41	4.51
PCB-1016 Peak 2	5.06	5.00	5.10
PCB-1016 Peak 3	5.71	5.64	5.74
PCB-1016 Peak 4	5.95	5.89	5.99
PCB-1016 Peak 5	6.16	6.10	6.20
PCB-1260 Peak 1	11.35	11.29	11.39
PCB-1260 Peak 2	12.38	12.32	12.42
PCB-1260 Peak 3	12.95	12.89	12.99
PCB-1260 Peak 4	13.58	13.52	13.62
PCB-1260 Peak 5	13.71	13.65	13.75
Tetrachloro-m-xylene	3.76	3.70	3.80
DCB Decachlorobiphenyl	14.44	14.38	14.48

TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/22OCT102021.b/22oct102021-r341.d
Lab Smp Id: ICV-30854 Client Smp ID: AR1660ICV
Inj Date : 23-OCT-2010 09:45
Operator : RRM Inst ID: 7227_2.i
Smp Info : ICV-30854,1,AR1660ICV
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/22OCT102021.b/8082_RTX35.m
Meth Date : 26-Oct-2010 09:47 lmt Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ICV1660.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

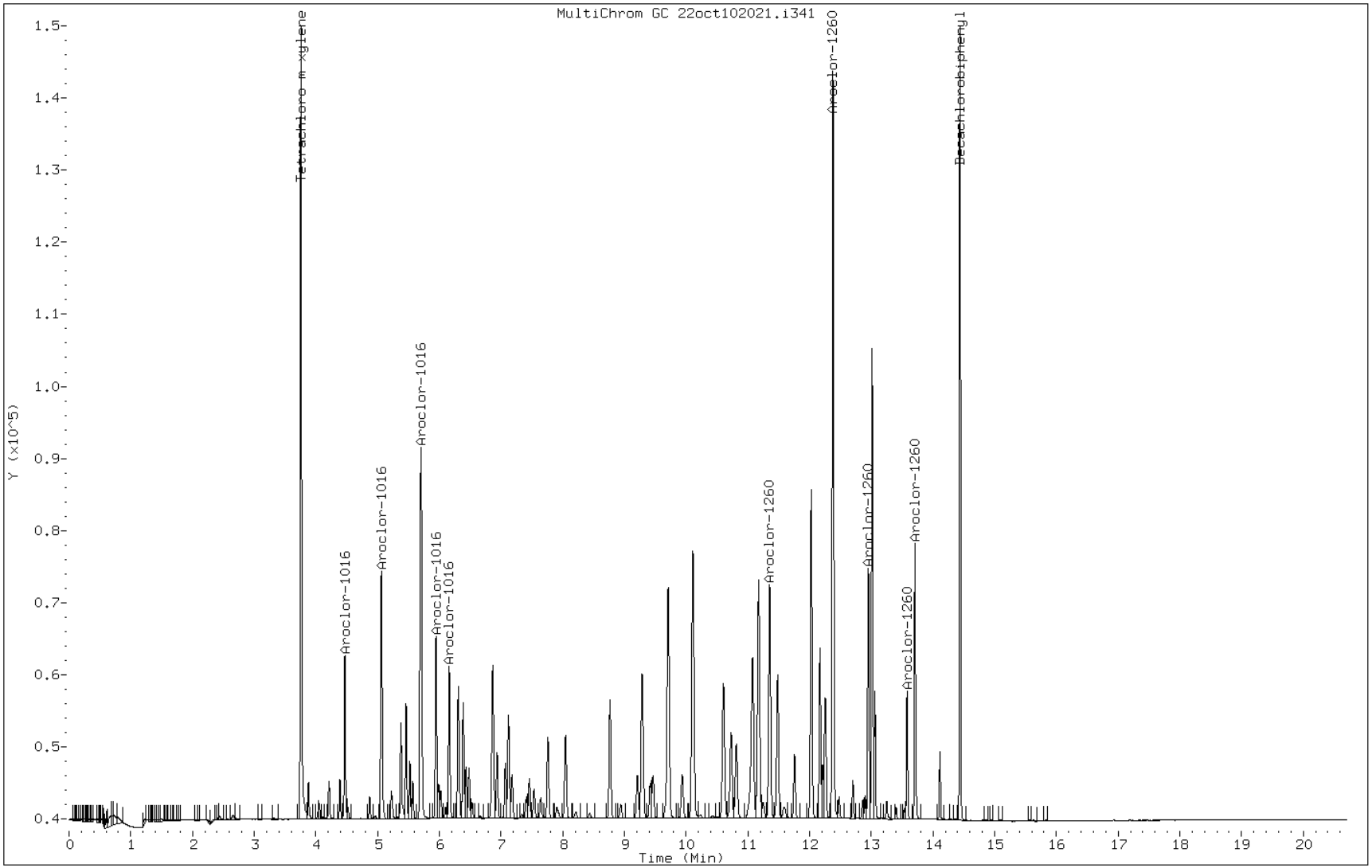
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.757	3.746	0.011	110122	18.9821	18.98	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
4.471	4.458	0.013	22673	206.567	206.6	80.00- 120.00	100.00
5.061	5.050	0.011	34363	200.184	200.2	242.86- 282.86	151.56
5.706	5.695	0.011	51483	195.478	195.5	231.90- 271.90	227.07
5.947	5.936	0.011	25237	198.994	199.0	98.24- 138.24	111.31
6.160	6.151	0.009	21075	200.226	200.2	94.08- 134.08	92.95
Average of Peak Concentrations =					200.3		
7 Aroclor-1260					CAS #: 11096-82-5		
11.354	11.343	0.011	32463	200.246	200.2	80.00- 120.00	100.00
12.380	12.369	0.011	103635	192.633	192.6	92.64- 132.64	319.24
12.954	12.941	0.013	34647	184.048	184.0	69.99- 109.99	106.73

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
13.582	13.568	0.014	17729	198.401	198.4	115.64- 155.64	54.61
13.708	13.697	0.011	38224	185.235	185.2	57.50- 97.50	117.75
		Average of Peak Concentrations =			192.1		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.437	14.426	0.011	126053	18.7154	18.72	80.00- 120.00	100.00

Data File:	22oct102021-r341.d	Date:	23-OCT-2010 09:45
Client ID:	AR1660ICV	Instrument:	7227_2.i
Operator:	RRM	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	ICV-30854,1,AR1660ICV		
Lab Sample ID:	ICV-30854		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCVRT 200-9347/2 Calibration Date: 11/05/2010 16:15

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 05nov101546-r021.d Conc. Units: ug/L

EPA Sample No.: AR1660_200

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	68.73	65.99		192	200	-4.0	15.0
PCB-1016 Peak 2	Ave	110.7	106.9		193	200	-3.5	15.0
PCB-1016 Peak 3	Ave	242.7	238.0		196	200	-1.9	15.0
PCB-1016 Peak 4	Ave	130.0	125.1		193	200	-3.7	15.0
PCB-1016 Peak 5	Ave	86.42	82.59		191	200	-4.4	15.0
PCB-1260 Peak 1	Ave	119.8	111.0		185	200	-7.3	15.0
PCB-1260 Peak 2	Ave	126.1	115.7		183	200	-8.3	15.0
PCB-1260 Peak 3	Ave	280.7	259.9		185	200	-7.4	15.0
PCB-1260 Peak 4	Ave	123.3	110.1		179	200	-10.7	15.0
PCB-1260 Peak 5	Ave	77.38	70.49		182	200	-8.9	15.0
Tetrachloro-m-xylene	Ave	3638	3426		18.8	20.0	-5.8	15.0
DCB Decachlorobiphenyl	Ave	5288	4715		17.8	20.0	-10.8	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCVRT 200-9347/2 Calibration Date: 11/05/2010 16:15

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 05nov101546-r021.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.49	3.44	3.54
PCB-1016 Peak 2	4.11	4.06	4.16
PCB-1016 Peak 3	4.40	4.35	4.45
PCB-1016 Peak 4	4.51	4.46	4.56
PCB-1016 Peak 5	4.60	4.55	4.65
PCB-1260 Peak 1	8.72	8.67	8.77
PCB-1260 Peak 2	9.26	9.21	9.31
PCB-1260 Peak 3	9.96	9.91	10.01
PCB-1260 Peak 4	10.70	10.65	10.75
PCB-1260 Peak 5	11.09	11.04	11.14
Tetrachloro-m-xylene	3.09	3.04	3.14
DCB Decachlorobiphenyl	13.09	13.04	13.14

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/05NOV101546.b/05nov101546-r021.d
Lab Smp Id: CCVRT-58588 Client Smp ID: AR1660_200
Inj Date : 05-NOV-2010 16:15
Operator : DPD Inst ID: 7227_1.i
Smp Info : CCVRT-58588,1,AR1660_200
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 05-Nov-2010 16:40 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

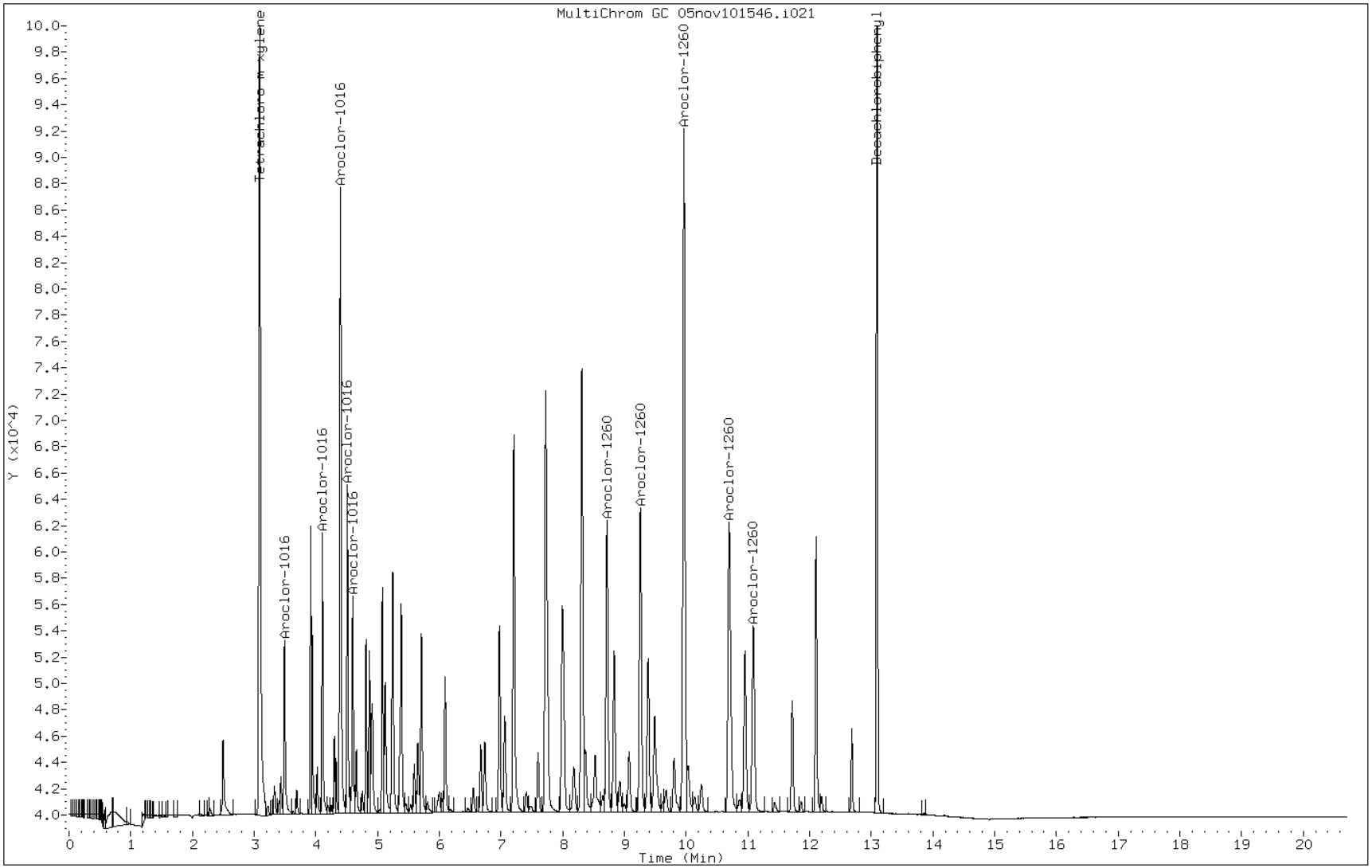
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.090	3.090	0.000	68528	20.0000	18.84	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
3.493	3.493	0.000	13198	200.000	192.0	80.00- 120.00	100.00
4.105	4.105	0.000	21376	200.000	193.1	242.86- 282.86	161.96
4.398	4.398	0.000	47605	200.000	196.2	231.90- 271.90	360.70
4.511	4.511	0.000	25026	200.000	192.5	98.24- 138.24	189.62
4.597	4.597	0.000	16518	200.000	191.1	94.08- 134.08	125.16
Average of Peak Amounts =					193		
7 Aroclor-1260					CAS #: 11096-82-5		
8.716	8.716	0.000	22205	200.000	185.3	80.00- 120.00	100.00
9.259	9.259	0.000	23133	200.000	183.5	92.64- 132.64	104.18
9.964	9.964	0.000	51973	200.000	185.1	69.99- 109.99	234.06

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
	7 Aroclor-1260 (continued)						
10.695	10.695	0.000	22024	200.000	178.6	115.64- 155.64	99.18
11.090	11.090	0.000	14098	200.000	182.2	57.50- 97.50	63.49
	Average of Peak Amounts =				183		
$	11 Decachlorobiphenyl				CAS #: 2051-24-3		
13.092	13.092	0.000	94294	20.0000	17.83	80.00- 120.00	100.00

Data File:	05nov101546-r021.d	Date:	05-NOV-2010 16:15
Client ID:	AR1660_200	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	CCVRT-58588,1,AR1660_200		
Lab Sample ID:	CCVRT-58588		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCVRT 200-9347/2 Calibration Date: 11/05/2010 16:15

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 05nov101546-r021.d Conc. Units: ug/L

EPA Sample No.: AR1660_200

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	109.8	113.7		207	200	3.6	15.0
PCB-1016 Peak 2	Ave	171.7	180.7		211	200	5.3	15.0
PCB-1016 Peak 3	Ave	263.4	271.7		206	200	3.2	15.0
PCB-1016 Peak 4	Ave	126.8	134.0		211	200	5.6	15.0
PCB-1016 Peak 5	Ave	105.3	112.1		213	200	6.5	15.0
PCB-1260 Peak 1	Ave	162.1	159.6		197	200	-1.5	15.0
PCB-1260 Peak 2	Ave	538.0	519.7		193	200	-3.4	15.0
PCB-1260 Peak 3	Ave	188.2	182.4		194	200	-3.1	15.0
PCB-1260 Peak 4	Ave	89.36	87.87		197	200	-1.7	15.0
PCB-1260 Peak 5	Ave	206.4	195.1		189	200	-5.5	15.0
Tetrachloro-m-xylene	Ave	5801	5670		19.5	20.0	-2.3	15.0
DCB Decachlorobiphenyl	Ave	6735	5883		17.5	20.0	-12.7	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCVRT 200-9347/2 Calibration Date: 11/05/2010 16:15

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 05nov101546-r021.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.46	4.41	4.51
PCB-1016 Peak 2	5.05	5.00	5.10
PCB-1016 Peak 3	5.70	5.65	5.75
PCB-1016 Peak 4	5.94	5.89	5.99
PCB-1016 Peak 5	6.15	6.10	6.20
PCB-1260 Peak 1	11.34	11.29	11.39
PCB-1260 Peak 2	12.37	12.32	12.42
PCB-1260 Peak 3	12.95	12.90	13.00
PCB-1260 Peak 4	13.57	13.52	13.62
PCB-1260 Peak 5	13.70	13.65	13.75
Tetrachloro-m-xylene	3.75	3.70	3.80
DCB Decachlorobiphenyl	14.43	14.38	14.48

TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/05NOV101546.b/05nov101546-r021.d
Lab Smp Id: CCVRT-58588 Client Smp ID: AR1660_200
Inj Date : 05-NOV-2010 16:15
Operator : DPD Inst ID: 7227_2.i
Smp Info : CCVRT-58588,1,AR1660_200
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 05-Nov-2010 16:43 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

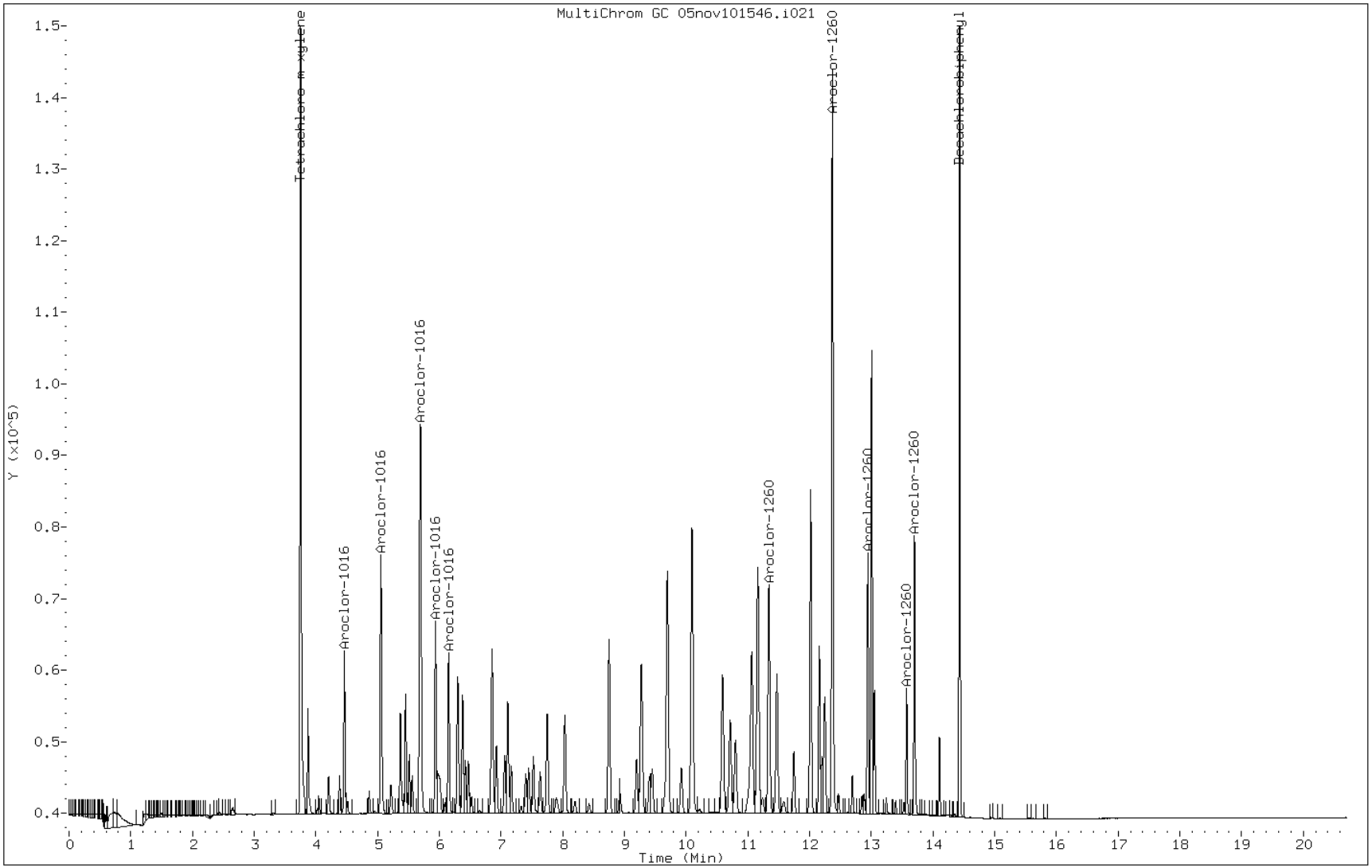
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.753	3.753	0.000	113399	20.0000	19.55	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
4.464	4.464	0.000	22749	200.000	207.3	80.00- 120.00	100.00
5.054	5.054	0.000	36149	200.000	210.6	242.86- 282.86	158.90
5.697	5.697	0.000	54343	200.000	206.3	231.90- 271.90	238.88
5.938	5.938	0.000	26793	200.000	211.3	98.24- 138.24	117.78
6.151	6.151	0.000	22420	200.000	213.0	94.08- 134.08	98.55
Average of Peak Amounts =					209.7		
7 Aroclor-1260					CAS #: 11096-82-5		
11.343	11.343	0.000	31926	200.000	196.9	80.00- 120.00	100.00
12.371	12.371	0.000	103946	200.000	193.2	92.64- 132.64	325.58
12.945	12.945	0.000	36472	200.000	193.7	69.99- 109.99	114.24

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
	7 Aroclor-1260 (continued)						
13.573	13.573	0.000	17574	200.000	196.7	115.64- 155.64	55.05
13.701	13.701	0.000	39012	200.000	189.1	57.50- 97.50	122.20
	Average of Peak Amounts =				193.9		
$	11 Decachlorobiphenyl				CAS #: 2051-24-3		
14.431	14.431	0.000	117650	20.0000	17.47	80.00- 120.00	100.00

Data File:	05nov101546-r021.d	Date:	05-NOV-2010 16:15
Client ID:	AR1660_200	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	CCVRT-58588,1,AR1660_200		
Lab Sample ID:	CCVRT-58588		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9347/13 Calibration Date: 11/05/2010 20:42

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 05nov101546-r131.d Conc. Units: ug/L

EPA Sample No.: AR1660_200

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	68.73	69.02		201	200	0.4	15.0
PCB-1016 Peak 2	Ave	110.7	112.4		203	200	1.5	15.0
PCB-1016 Peak 3	Ave	242.7	250.1		206	200	3.1	15.0
PCB-1016 Peak 4	Ave	130.0	131.3		202	200	1.0	15.0
PCB-1016 Peak 5	Ave	86.42	90.95		210	200	5.2	15.0
PCB-1260 Peak 1	Ave	119.8	117.5		196	200	-1.9	15.0
PCB-1260 Peak 2	Ave	126.1	126.2		200	200	0.0	15.0
PCB-1260 Peak 3	Ave	280.7	278.0		198	200	-1.0	15.0
PCB-1260 Peak 4	Ave	123.3	124.8		202	200	1.2	15.0
PCB-1260 Peak 5	Ave	77.38	75.30		195	200	-2.7	15.0
Tetrachloro-m-xylene	Ave	3638	3615		19.9	20.0	-0.6	15.0
DCB Decachlorobiphenyl	Ave	5288	5007		18.9	20.0	-5.3	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9347/13 Calibration Date: 11/05/2010 20:42

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 05nov101546-r131.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.50	3.44	3.54
PCB-1016 Peak 2	4.11	4.06	4.16
PCB-1016 Peak 3	4.41	4.35	4.45
PCB-1016 Peak 4	4.52	4.46	4.56
PCB-1016 Peak 5	4.61	4.55	4.65
PCB-1260 Peak 1	8.72	8.67	8.77
PCB-1260 Peak 2	9.27	9.21	9.31
PCB-1260 Peak 3	9.97	9.91	10.01
PCB-1260 Peak 4	10.70	10.65	10.75
PCB-1260 Peak 5	11.10	11.04	11.14
Tetrachloro-m-xylene	3.10	3.04	3.14
DCB Decachlorobiphenyl	13.10	13.04	13.14

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/05NOV101546.b/05nov101546-r131.d
Lab Smp Id: CCV-58588 Client Smp ID: AR1660_200
Inj Date : 05-NOV-2010 20:42
Operator : DPD Inst ID: 7227_1.i
Smp Info : CCV-58588,1,AR1660_200
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 10:46 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

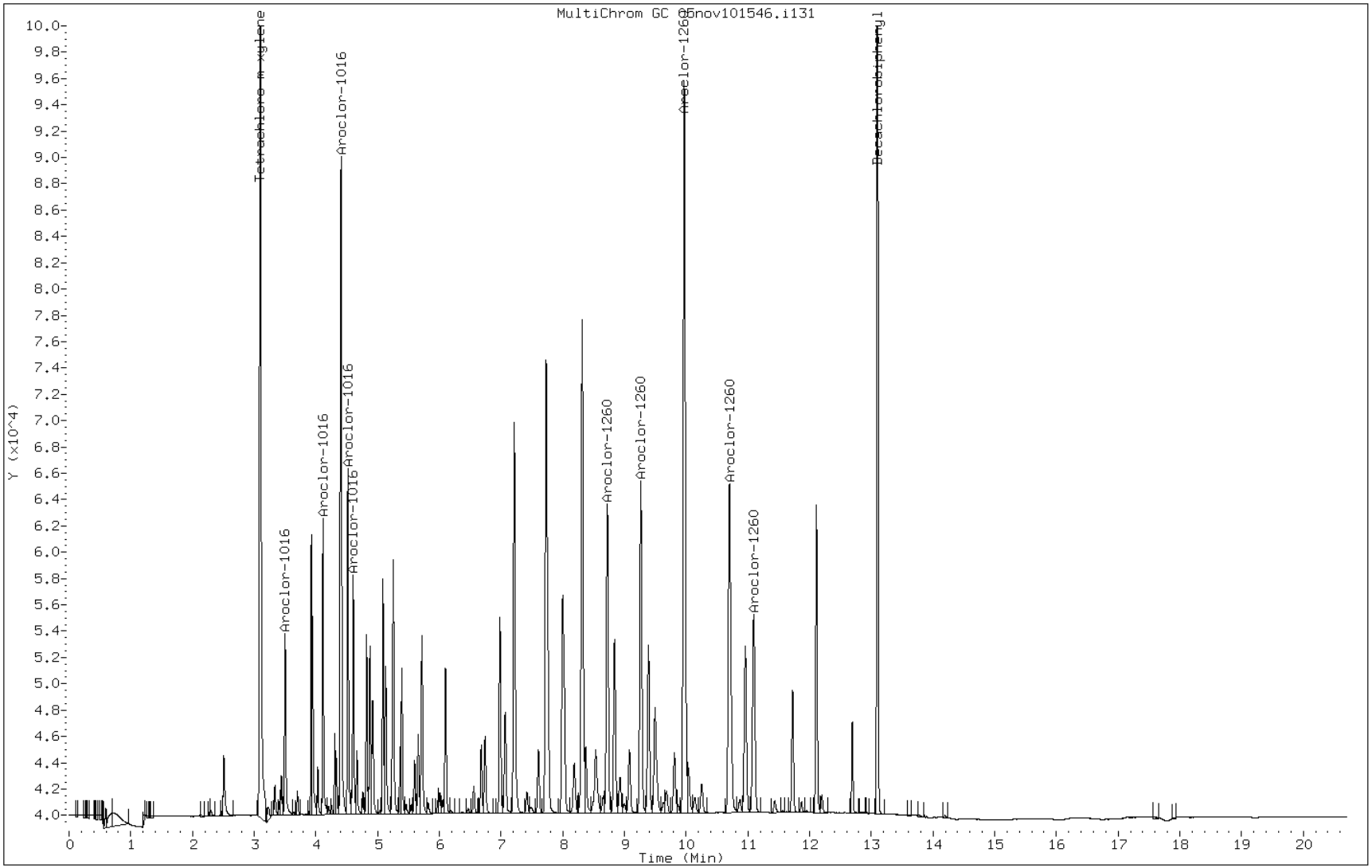
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.099	3.090	0.009	72304	20.0000	19.88	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
3.502	3.493	0.009	13803	200.000	200.8	80.00- 120.00	100.00
4.114	4.105	0.009	22479	200.000	203.0	242.86- 282.86	162.86
4.407	4.398	0.009	50026	200.000	206.1	231.90- 271.90	362.43
4.520	4.511	0.009	26260	200.000	202.0	98.24- 138.24	190.25
4.606	4.597	0.009	18189	200.000	210.5	94.08- 134.08	131.78
Average of Peak Amounts =					204.5		
7 Aroclor-1260					CAS #: 11096-82-5		
8.725	8.716	0.009	23499	200.000	196.1	80.00- 120.00	100.00
9.266	9.259	0.007	25231	200.000	200.1	92.64- 132.64	107.37
9.971	9.964	0.007	55603	200.000	198.1	69.99- 109.99	236.62

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
	7 Aroclor-1260 (continued)						
10.702	10.695	0.007	24964	200.000	202.5	115.64- 155.64	106.23
11.097	11.090	0.007	15060	200.000	194.6	57.50- 97.50	64.09
	Average of Peak Amounts =				198.3		
$	11 Decachlorobiphenyl				CAS #: 2051-24-3		
13.098	13.092	0.006	100133	20.0000	18.93	80.00- 120.00	100.00

Data File:	05nov101546-r131.d	Date:	05-NOV-2010 20:42
Client ID:	AR1660_200	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	CCV-58588,1,AR1660_200		
Lab Sample ID:	CCV-58588		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9347/13 Calibration Date: 11/05/2010 20:42

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 05nov101546-r131.d Conc. Units: ug/L

EPA Sample No.: AR1660_200

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	109.8	115.8		211	200	5.5	15.0
PCB-1016 Peak 2	Ave	171.7	178.4		208	200	3.9	15.0
PCB-1016 Peak 3	Ave	263.4	276.0		210	200	4.8	15.0
PCB-1016 Peak 4	Ave	126.8	133.6		211	200	5.4	15.0
PCB-1016 Peak 5	Ave	105.3	112.4		213	200	6.7	15.0
PCB-1260 Peak 1	Ave	162.1	166.6		205	200	2.7	15.0
PCB-1260 Peak 2	Ave	538.0	547.0		203	200	1.7	15.0
PCB-1260 Peak 3	Ave	188.2	188.7		200	200	0.2	15.0
PCB-1260 Peak 4	Ave	89.36	90.73		203	200	1.5	15.0
PCB-1260 Peak 5	Ave	206.4	203.7		197	200	-1.3	15.0
Tetrachloro-m-xylene	Ave	5801	5870		20.2	20.0	1.2	15.0
DCB Decachlorobiphenyl	Ave	6735	6429		19.1	20.0	-4.5	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9347/13 Calibration Date: 11/05/2010 20:42

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 05nov101546-r131.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.47	4.41	4.51
PCB-1016 Peak 2	5.06	5.00	5.10
PCB-1016 Peak 3	5.70	5.65	5.75
PCB-1016 Peak 4	5.95	5.89	5.99
PCB-1016 Peak 5	6.16	6.10	6.20
PCB-1260 Peak 1	11.35	11.29	11.39
PCB-1260 Peak 2	12.38	12.32	12.42
PCB-1260 Peak 3	12.95	12.90	13.00
PCB-1260 Peak 4	13.58	13.52	13.62
PCB-1260 Peak 5	13.71	13.65	13.75
Tetrachloro-m-xylene	3.76	3.70	3.80
DCB Decachlorobiphenyl	14.44	14.38	14.48

TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/05NOV101546.b/05nov101546-r131.d
Lab Smp Id: CCV-58588 Client Smp ID: AR1660_200
Inj Date : 05-NOV-2010 20:42
Operator : DPD Inst ID: 7227_2.i
Smp Info : CCV-58588,1,AR1660_200
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:49 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

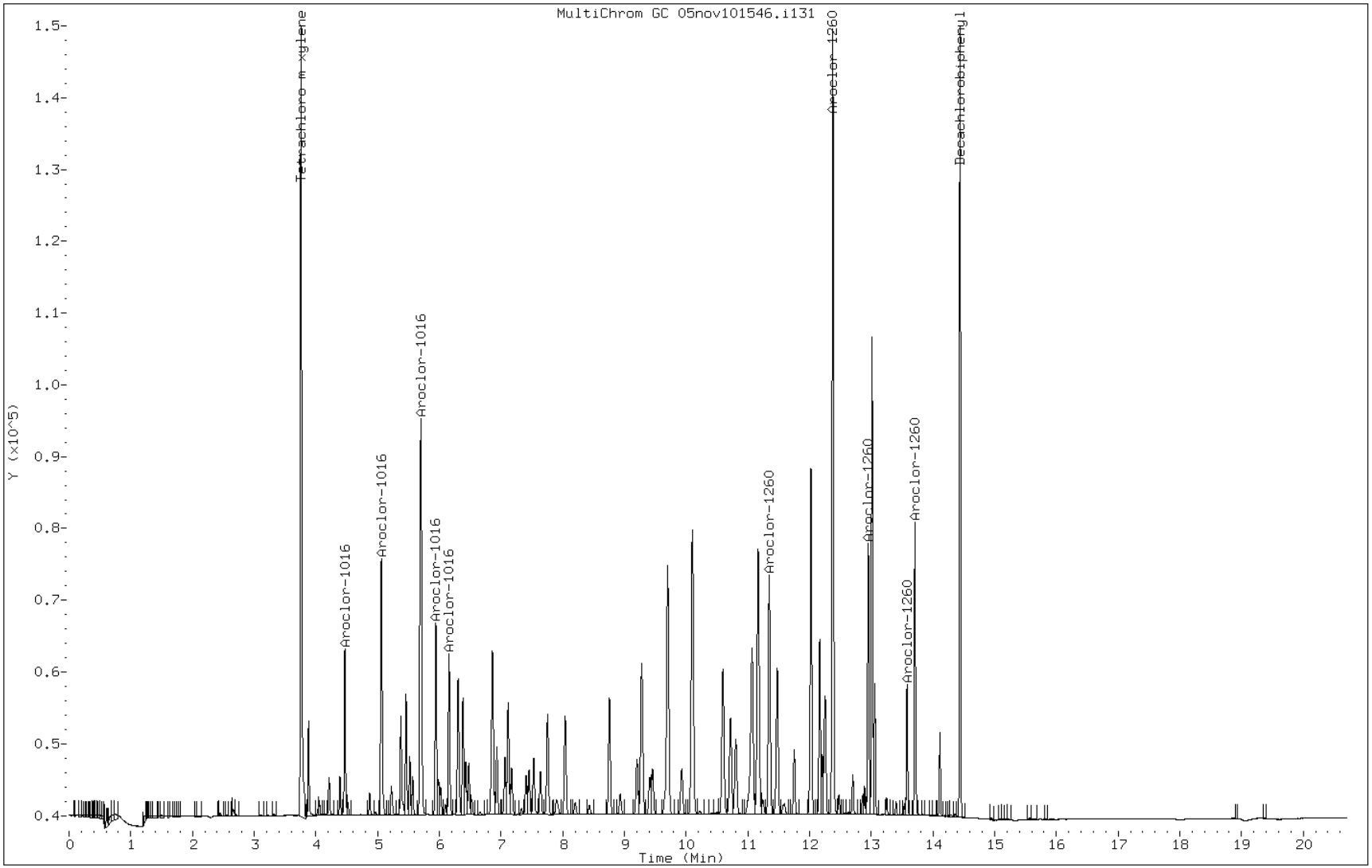
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.759	3.753	0.006	117406	20.0000	20.24	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
4.471	4.464	0.007	23168	200.000	211.1	80.00- 120.00	100.00
5.061	5.054	0.007	35682	200.000	207.9	242.86- 282.86	154.01
5.703	5.697	0.006	55196	200.000	209.6	231.90- 271.90	238.24
5.945	5.938	0.007	26723	200.000	210.7	98.24- 138.24	115.34
6.158	6.151	0.007	22472	200.000	213.5	94.08- 134.08	97.00
Average of Peak Amounts =					210.5		
7 Aroclor-1260					CAS #: 11096-82-5		
11.347	11.343	0.004	33313	200.000	205.5	80.00- 120.00	100.00
12.378	12.371	0.007	109397	200.000	203.3	92.64- 132.64	328.39
12.952	12.945	0.007	37743	200.000	200.5	69.99- 109.99	113.30

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
	7 Aroclor-1260 (continued)						
13.582	13.573	0.009	18145	200.000	203.1	115.64- 155.64	54.47
13.708	13.701	0.007	40731	200.000	197.4	57.50- 97.50	122.27
	Average of Peak Amounts =				202		
$	11 Decachlorobiphenyl				CAS #: 2051-24-3		
14.437	14.431	0.006	128579	20.0000	19.09	80.00- 120.00	100.00

Data File:	05nov101546-r131.d	Date:	05-NOV-2010 20:42
Client ID:	AR1660_200	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	CCV-58588,1,AR1660_200		
Lab Sample ID:	CCV-58588		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9347/24 Calibration Date: 11/06/2010 01:08

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 05nov101546-r241.d Conc. Units: ug/L

EPA Sample No.: AR1660_200

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	68.73	68.90		200	200	0.2	15.0
PCB-1016 Peak 2	Ave	110.7	111.6		202	200	0.8	15.0
PCB-1016 Peak 3	Ave	242.7	247.0		204	200	1.8	15.0
PCB-1016 Peak 4	Ave	130.0	128.2		197	200	-1.4	15.0
PCB-1016 Peak 5	Ave	86.42	88.93		206	200	2.9	15.0
PCB-1260 Peak 1	Ave	119.8	117.7		197	200	-1.7	15.0
PCB-1260 Peak 2	Ave	126.1	126.0		200	200	-0.1	15.0
PCB-1260 Peak 3	Ave	280.7	272.3		194	200	-3.0	15.0
PCB-1260 Peak 4	Ave	123.3	121.5		197	200	-1.5	15.0
PCB-1260 Peak 5	Ave	77.38	75.84		196	200	-2.0	15.0
Tetrachloro-m-xylene	Ave	3638	3642		20.0	20.0	0.1	15.0
DCB Decachlorobiphenyl	Ave	5288	5267		19.9	20.0	-0.4	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9347/24 Calibration Date: 11/06/2010 01:08

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 05nov101546-r241.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.50	3.44	3.54
PCB-1016 Peak 2	4.11	4.06	4.16
PCB-1016 Peak 3	4.40	4.35	4.45
PCB-1016 Peak 4	4.52	4.46	4.56
PCB-1016 Peak 5	4.60	4.55	4.65
PCB-1260 Peak 1	8.72	8.67	8.77
PCB-1260 Peak 2	9.26	9.21	9.31
PCB-1260 Peak 3	9.97	9.91	10.01
PCB-1260 Peak 4	10.70	10.65	10.75
PCB-1260 Peak 5	11.09	11.04	11.14
Tetrachloro-m-xylene	3.10	3.04	3.14
DCB Decachlorobiphenyl	13.10	13.04	13.14

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/05NOV101546.b/05nov101546-r241.d
Lab Smp Id: CCV-58588 Client Smp ID: AR1660_200
Inj Date : 06-NOV-2010 01:08
Operator : DPD Inst ID: 7227_1.i
Smp Info : CCV-58588,1,AR1660_200
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 10:46 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

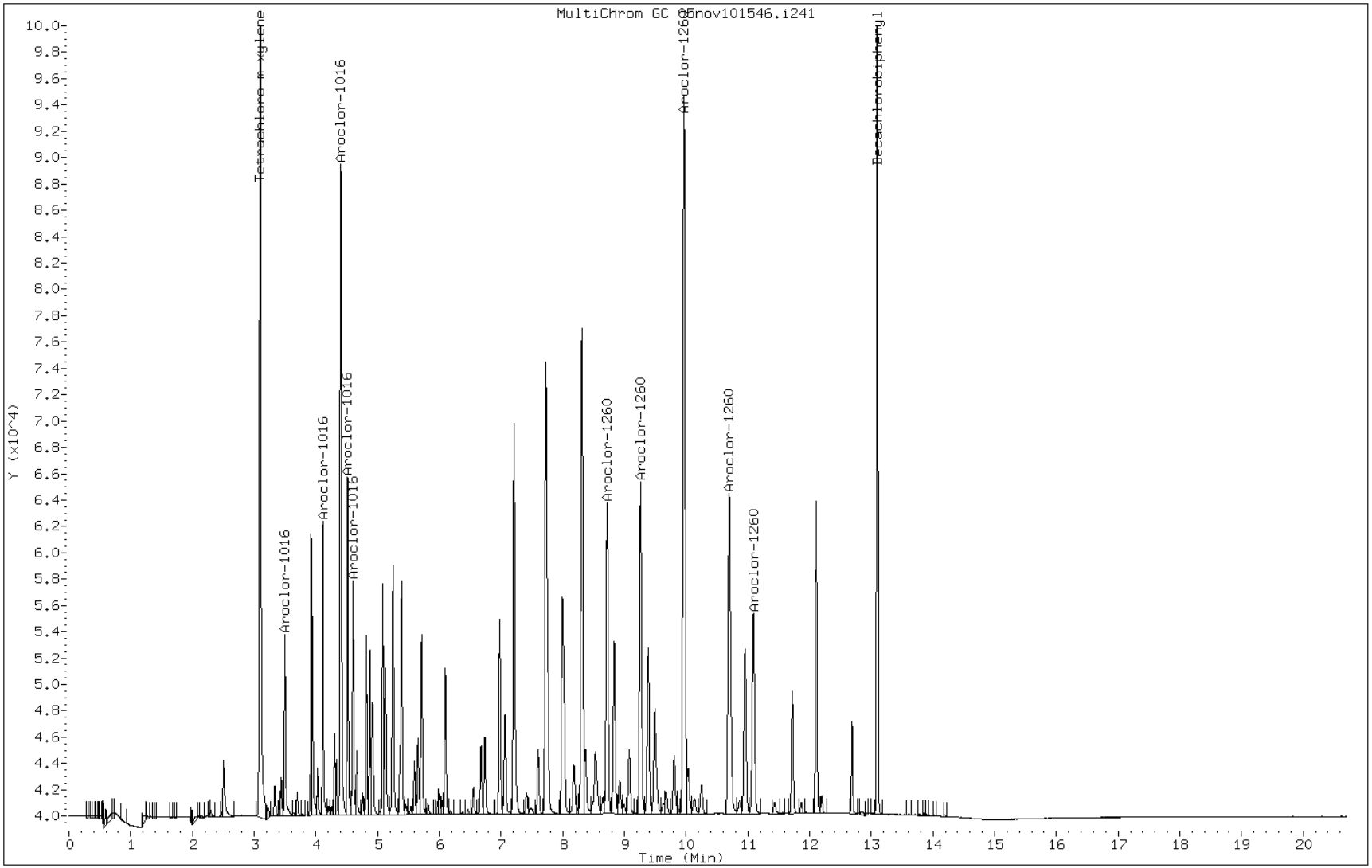
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.097	3.090	0.007	72847	20.0000	20.03	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
3.500	3.493	0.007	13780	200.000	200.5	80.00- 120.00	100.00
4.112	4.105	0.007	22327	200.000	201.6	242.86- 282.86	162.02
4.405	4.398	0.007	49401	200.000	203.6	231.90- 271.90	358.50
4.515	4.511	0.004	25631	200.000	197.2	98.24- 138.24	186.00
4.604	4.597	0.007	17786	200.000	205.8	94.08- 134.08	129.07
Average of Peak Amounts =					201.7		
7 Aroclor-1260					CAS #: 11096-82-5		
8.720	8.716	0.004	23549	200.000	196.5	80.00- 120.00	100.00
9.261	9.259	0.002	25190	200.000	199.8	92.64- 132.64	106.97
9.968	9.964	0.004	54469	200.000	194.0	69.99- 109.99	231.30

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
10.700	10.695	0.005	24299	200.000	197.1	115.64- 155.64	103.18
11.092	11.090	0.002	15167	200.000	196.0	57.50- 97.50	64.41
	Average of Peak Amounts =				196.7		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.096	13.092	0.004	105349	20.0000	19.92	80.00- 120.00	100.00

Data File:	05nov101546-r241.d	Date:	06-NOV-2010 01:08
Client ID:	AR1660_200	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	CCV-58588,1,AR1660_200		
Lab Sample ID:	CCV-58588		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9347/24 Calibration Date: 11/06/2010 01:08

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 05nov101546-r241.d Conc. Units: ug/L

EPA Sample No.: AR1660_200

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	109.8	113.6		207	200	3.5	15.0
PCB-1016 Peak 2	Ave	171.7	174.4		203	200	1.6	15.0
PCB-1016 Peak 3	Ave	263.4	270.0		205	200	2.5	15.0
PCB-1016 Peak 4	Ave	126.8	131.9		208	200	4.0	15.0
PCB-1016 Peak 5	Ave	105.3	110.6		210	200	5.0	15.0
PCB-1260 Peak 1	Ave	162.1	163.2		201	200	0.7	15.0
PCB-1260 Peak 2	Ave	538.0	526.1		196	200	-2.2	15.0
PCB-1260 Peak 3	Ave	188.2	183.7		195	200	-2.4	15.0
PCB-1260 Peak 4	Ave	89.36	91.02		204	200	1.9	15.0
PCB-1260 Peak 5	Ave	206.4	201.7		196	200	-2.2	15.0
Tetrachloro-m-xylene	Ave	5801	5723		19.7	20.0	-1.3	15.0
DCB Decachlorobiphenyl	Ave	6735	6275		18.6	20.0	-6.8	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9347/24 Calibration Date: 11/06/2010 01:08

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 05nov101546-r241.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.46	4.41	4.51
PCB-1016 Peak 2	5.05	5.00	5.10
PCB-1016 Peak 3	5.69	5.65	5.75
PCB-1016 Peak 4	5.94	5.89	5.99
PCB-1016 Peak 5	6.15	6.10	6.20
PCB-1260 Peak 1	11.34	11.29	11.39
PCB-1260 Peak 2	12.37	12.32	12.42
PCB-1260 Peak 3	12.94	12.90	13.00
PCB-1260 Peak 4	13.57	13.52	13.62
PCB-1260 Peak 5	13.70	13.65	13.75
Tetrachloro-m-xylene	3.75	3.70	3.80
DCB Decachlorobiphenyl	14.43	14.38	14.48

TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/05NOV101546.b/05nov101546-r241.d
Lab Smp Id: CCV-58588 Client Smp ID: AR1660_200
Inj Date : 06-NOV-2010 01:08
Operator : DPD Inst ID: 7227_2.i
Smp Info : CCV-58588,1,AR1660_200
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:49 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

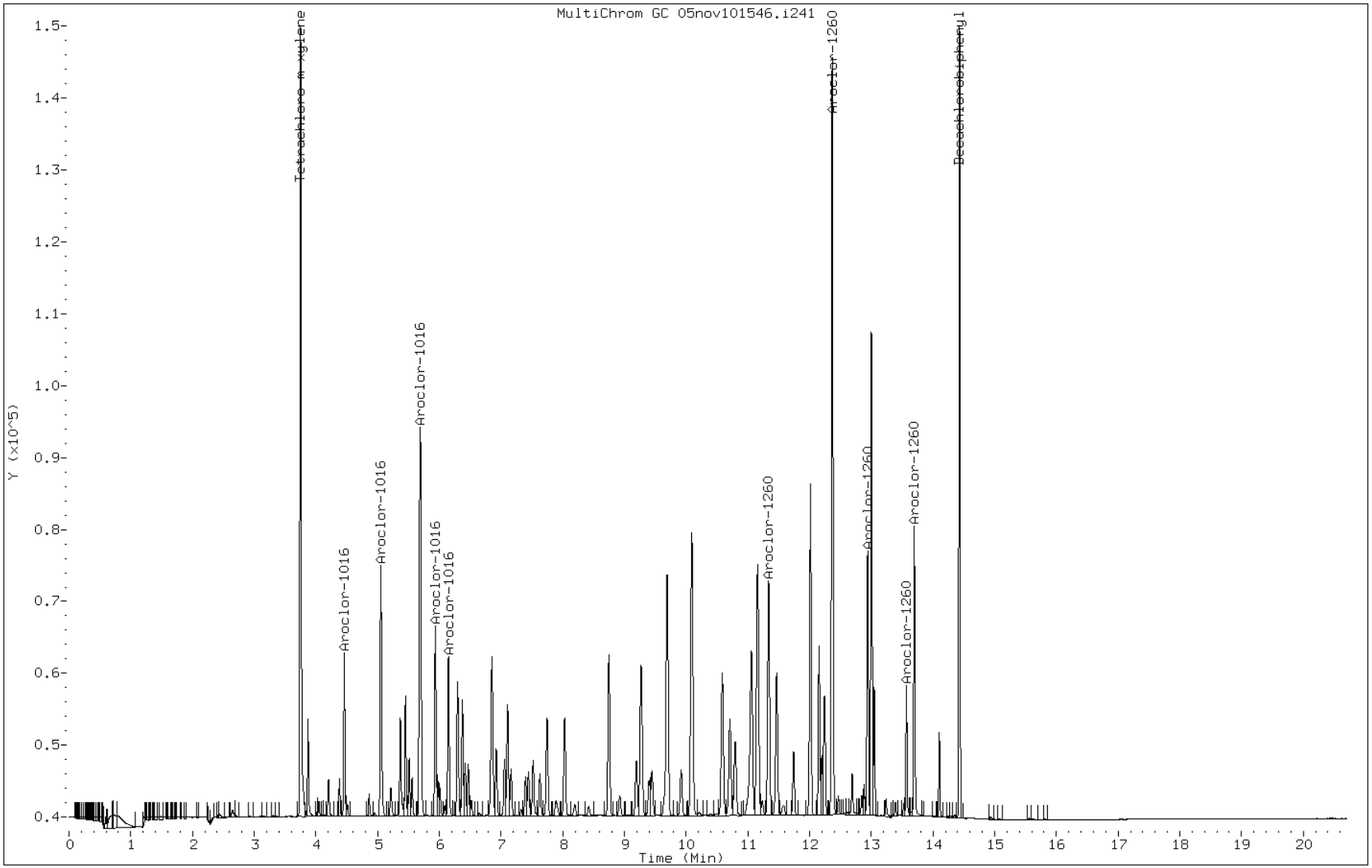
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.751	3.753	-0.002	114463	20.0000	19.73	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
4.462	4.464	-0.002	22712	200.000	206.9	80.00- 120.00	100.00
5.052	5.054	-0.002	34881	200.000	203.2	242.86- 282.86	153.58
5.695	5.697	-0.002	53992	200.000	205.0	231.90- 271.90	237.72
5.936	5.938	-0.002	26371	200.000	207.9	98.24- 138.24	116.11
6.149	6.151	-0.002	22111	200.000	210.1	94.08- 134.08	97.35
Average of Peak Amounts =					206.6		
7 Aroclor-1260					CAS #: 11096-82-5		
11.338	11.343	-0.005	32637	200.000	201.3	80.00- 120.00	100.00
12.367	12.371	-0.004	105224	200.000	195.6	92.64- 132.64	322.41
12.941	12.945	-0.004	36735	200.000	195.1	69.99- 109.99	112.56

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
13.570	13.573	-0.003	18203	200.000	203.7	115.64- 155.64	55.77
13.697	13.701	-0.004	40344	200.000	195.5	57.50- 97.50	123.61
	Average of Peak Amounts =				198.3		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.428	14.431	-0.003	125497	20.0000	18.63	80.00- 120.00	100.00

Data File:	05nov101546-r241.d	Date:	06-NOV-2010 01:08
Client ID:	AR1660_200	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	CCV-58588,1,AR1660_200		
Lab Sample ID:	CCV-58588		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9347/33 Calibration Date: 11/06/2010 04:46

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 05nov101546-r331.d Conc. Units: ug/L

EPA Sample No.: AR1660_200

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	68.73	69.55		202	200	1.2	15.0
PCB-1016 Peak 2	Ave	110.7	109.8		198	200	-0.9	15.0
PCB-1016 Peak 3	Ave	242.7	245.4		202	200	1.1	15.0
PCB-1016 Peak 4	Ave	130.0	129.8		200	200	-0.1	15.0
PCB-1016 Peak 5	Ave	86.42	88.36		204	200	2.2	15.0
PCB-1260 Peak 1	Ave	119.8	116.6		195	200	-2.7	15.0
PCB-1260 Peak 2	Ave	126.1	121.3		192	200	-3.8	15.0
PCB-1260 Peak 3	Ave	280.7	274.3		195	200	-2.3	15.0
PCB-1260 Peak 4	Ave	123.3	122.0		198	200	-1.0	15.0
PCB-1260 Peak 5	Ave	77.38	74.26		192	200	-4.0	15.0
Tetrachloro-m-xylene	Ave	3638	3635		20.0	20.0	-0.0	15.0
DCB Decachlorobiphenyl	Ave	5288	5061		19.1	20.0	-4.3	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9347/33 Calibration Date: 11/06/2010 04:46

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 05nov101546-r331.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.50	3.44	3.54
PCB-1016 Peak 2	4.11	4.06	4.16
PCB-1016 Peak 3	4.41	4.35	4.45
PCB-1016 Peak 4	4.52	4.46	4.56
PCB-1016 Peak 5	4.60	4.55	4.65
PCB-1260 Peak 1	8.72	8.67	8.77
PCB-1260 Peak 2	9.26	9.21	9.31
PCB-1260 Peak 3	9.97	9.91	10.01
PCB-1260 Peak 4	10.70	10.65	10.75
PCB-1260 Peak 5	11.09	11.04	11.14
Tetrachloro-m-xylene	3.10	3.04	3.14
DCB Decachlorobiphenyl	13.10	13.04	13.14

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/05NOV101546.b/05nov101546-r331.d
Lab Smp Id: CCV-58588 Client Smp ID: AR1660_200
Inj Date : 06-NOV-2010 04:46
Operator : DPD Inst ID: 7227_1.i
Smp Info : CCV-58588,1,AR1660_200
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 10:46 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

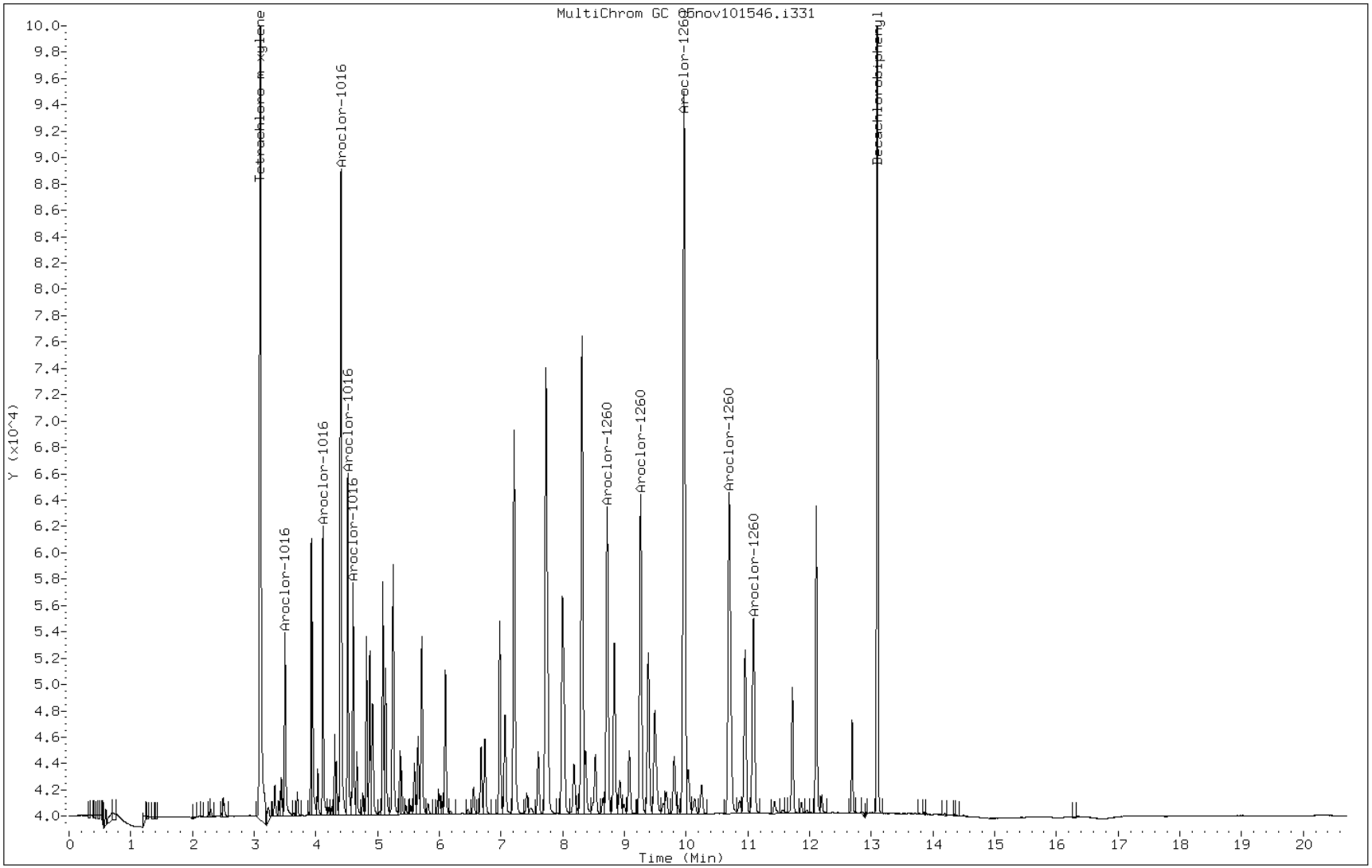
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)		
RT	EXP RT	DLT RT	RESPONSE			TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.099	3.090	0.009	72701	20.0000	19.99	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
3.500	3.493	0.007	13910	200.000	202.4	80.00- 120.00	100.00
4.112	4.105	0.007	21950	200.000	198.2	242.86- 282.86	157.80
4.407	4.398	0.009	49076	200.000	202.2	231.90- 271.90	352.81
4.518	4.511	0.007	25965	200.000	199.8	98.24- 138.24	186.66
4.604	4.597	0.007	17672	200.000	204.5	94.08- 134.08	127.05
Average of Peak Amounts =					201.4		
7 Aroclor-1260					CAS #: 11096-82-5		
8.720	8.716	0.004	23311	200.000	194.6	80.00- 120.00	100.00
9.261	9.259	0.002	24259	200.000	192.4	92.64- 132.64	104.07
9.966	9.964	0.002	54850	200.000	195.4	69.99- 109.99	235.30

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
	7 Aroclor-1260 (continued)						
10.698	10.695	0.003	24403	200.000	197.9	115.64- 155.64	104.68
11.092	11.090	0.002	14851	200.000	191.9	57.50- 97.50	63.71
	Average of Peak Amounts =				194.4		
$	11 Decachlorobiphenyl				CAS #: 2051-24-3		
13.098	13.092	0.006	101213	20.0000	19.14	80.00- 120.00	100.00

Data File:	05nov101546-r331.d	Date:	06-NOV-2010 04:46
Client ID:	AR1660_200	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	CCV-58588,1,AR1660_200		
Lab Sample ID:	CCV-58588		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9347/33 Calibration Date: 11/06/2010 04:46

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 05nov101546-r331.d Conc. Units: ug/L

EPA Sample No.: AR1660_200

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	109.8	112.1		204	200	2.1	15.0
PCB-1016 Peak 2	Ave	171.7	173.1		202	200	0.8	15.0
PCB-1016 Peak 3	Ave	263.4	267.2		203	200	1.4	15.0
PCB-1016 Peak 4	Ave	126.8	131.0		207	200	3.3	15.0
PCB-1016 Peak 5	Ave	105.3	108.1		205	200	2.7	15.0
PCB-1260 Peak 1	Ave	162.1	161.0		199	200	-0.7	15.0
PCB-1260 Peak 2	Ave	538.0	531.1		197	200	-1.3	15.0
PCB-1260 Peak 3	Ave	188.2	186.4		198	200	-1.0	15.0
PCB-1260 Peak 4	Ave	89.36	90.83		203	200	1.6	15.0
PCB-1260 Peak 5	Ave	206.4	202.8		197	200	-1.7	15.0
Tetrachloro-m-xylene	Ave	5801	5714		19.7	20.0	-1.5	15.0
DCB Decachlorobiphenyl	Ave	6735	6401		19.0	20.0	-5.0	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9347/33 Calibration Date: 11/06/2010 04:46

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 05nov101546-r331.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.47	4.41	4.51
PCB-1016 Peak 2	5.06	5.00	5.10
PCB-1016 Peak 3	5.70	5.65	5.75
PCB-1016 Peak 4	5.95	5.89	5.99
PCB-1016 Peak 5	6.16	6.10	6.20
PCB-1260 Peak 1	11.34	11.29	11.39
PCB-1260 Peak 2	12.38	12.32	12.42
PCB-1260 Peak 3	12.95	12.90	13.00
PCB-1260 Peak 4	13.58	13.52	13.62
PCB-1260 Peak 5	13.71	13.65	13.75
Tetrachloro-m-xylene	3.76	3.70	3.80
DCB Decachlorobiphenyl	14.44	14.38	14.48

TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/05NOV101546.b/05nov101546-r331.d
Lab Smp Id: CCV-58588 Client Smp ID: AR1660_200
Inj Date : 06-NOV-2010 04:46
Operator : DPD Inst ID: 7227_2.i
Smp Info : CCV-58588,1,AR1660_200
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:49 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

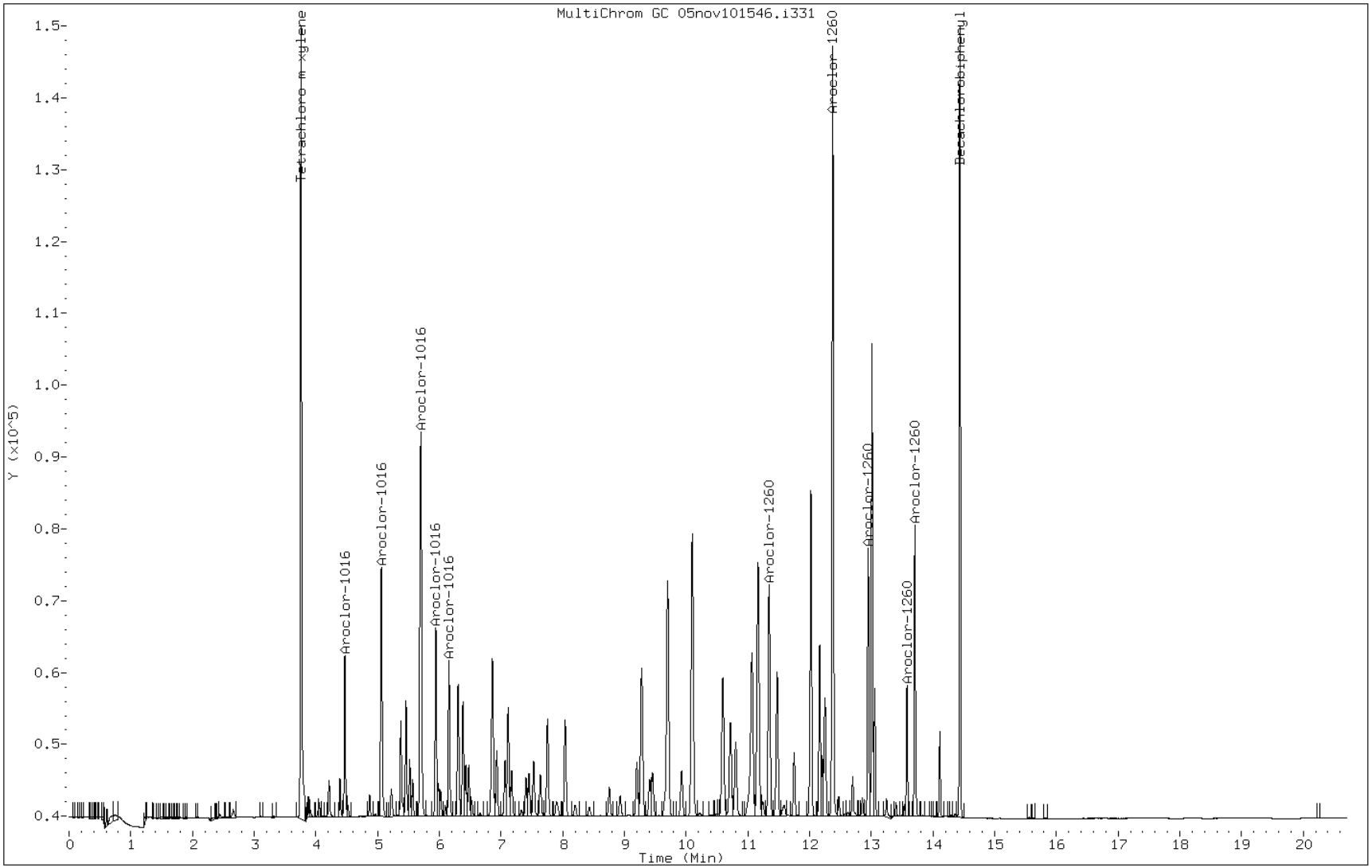
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.759	3.753	0.006	114275	20.0000	19.70	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
4.471	4.464	0.007	22417	200.000	204.2	80.00- 120.00	100.00
5.061	5.054	0.007	34618	200.000	201.7	242.86- 282.86	154.43
5.703	5.697	0.006	53436	200.000	202.9	231.90- 271.90	238.37
5.945	5.938	0.007	26205	200.000	206.6	98.24- 138.24	116.90
6.158	6.151	0.007	21612	200.000	205.3	94.08- 134.08	96.41
Average of Peak Amounts =					204.2		
7 Aroclor-1260					CAS #: 11096-82-5		
11.345	11.343	0.002	32202	200.000	198.6	80.00- 120.00	100.00
12.376	12.371	0.005	106227	200.000	197.5	92.64- 132.64	329.88
12.950	12.945	0.005	37276	200.000	198.0	69.99- 109.99	115.76

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
	7 Aroclor-1260 (continued)						
13.579	13.573	0.006	18166	200.000	203.3	115.64- 155.64	56.41
13.706	13.701	0.005	40553	200.000	196.5	57.50- 97.50	125.93
	Average of Peak Amounts =				198.8		
$	11 Decachlorobiphenyl				CAS #: 2051-24-3		
14.437	14.431	0.006	128025	20.0000	19.01	80.00- 120.00	100.00

Data File:	05nov101546-r331.d	Date:	06-NOV-2010 04:46
Client ID:	AR1660_200	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	CCV-58588,1,AR1660_200		
Lab Sample ID:	CCV-58588		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCVRT 200-9333/2 Calibration Date: 11/09/2010 15:36

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 09nov101450-r021.d Conc. Units: ug/L

EPA Sample No.: AR1660_200

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	68.73	65.45		190	200	-4.8	15.0
PCB-1016 Peak 2	Ave	110.7	105.3		190	200	-4.9	15.0
PCB-1016 Peak 3	Ave	242.7	236.5		195	200	-2.6	15.0
PCB-1016 Peak 4	Ave	130.0	124.9		192	200	-3.9	15.0
PCB-1016 Peak 5	Ave	86.42	83.32		193	200	-3.6	15.0
PCB-1260 Peak 1	Ave	119.8	113.1		189	200	-5.6	15.0
PCB-1260 Peak 2	Ave	126.1	119.2		189	200	-5.4	15.0
PCB-1260 Peak 3	Ave	280.7	264.1		188	200	-5.9	15.0
PCB-1260 Peak 4	Ave	123.3	117.9		191	200	-4.4	15.0
PCB-1260 Peak 5	Ave	77.38	71.52		185	200	-7.6	15.0
Tetrachloro-m-xylene	Ave	3638	3496		19.2	20.0	-3.9	15.0
DCB Decachlorobiphenyl	Ave	5288	4908		18.6	20.0	-7.2	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCVRT 200-9333/2 Calibration Date: 11/09/2010 15:36

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 09nov101450-r021.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.50	3.45	3.55
PCB-1016 Peak 2	4.11	4.06	4.16
PCB-1016 Peak 3	4.41	4.36	4.46
PCB-1016 Peak 4	4.52	4.47	4.57
PCB-1016 Peak 5	4.61	4.56	4.66
PCB-1260 Peak 1	8.72	8.67	8.77
PCB-1260 Peak 2	9.26	9.21	9.31
PCB-1260 Peak 3	9.97	9.92	10.02
PCB-1260 Peak 4	10.70	10.65	10.75
PCB-1260 Peak 5	11.09	11.04	11.14
Tetrachloro-m-xylene	3.10	3.05	3.15
DCB Decachlorobiphenyl	13.10	13.05	13.15

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/09NOV101450.b/09nov101450-r021.d
Lab Smp Id: CCVRT-58588 Client Smp ID: AR1660_200
Inj Date : 09-NOV-2010 15:36
Operator : SLD Inst ID: 7227_1.i
Smp Info : CCVRT-58588,1,AR1660_200
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/09NOV101450.b/8082_RTX5.m
Meth Date : 10-Nov-2010 08:03 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 07:20 Cal File: 22oct102021-r281.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

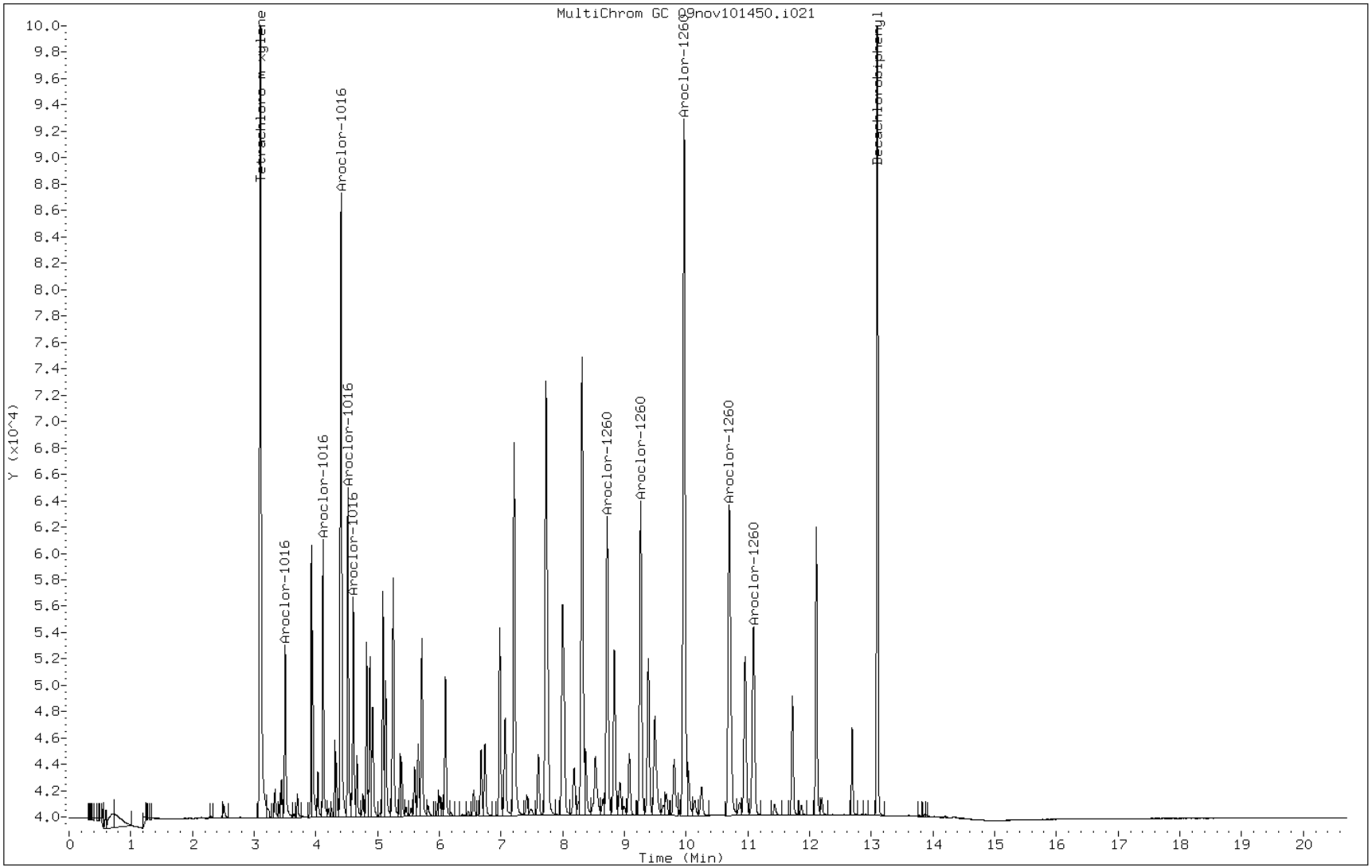
				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.101	3.101	0.000	69924	20.0000	19.22	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
3.502	3.502	0.000	13089	200.000	190.4	80.00- 120.00	100.00
4.114	4.114	0.000	21055	200.000	190.2	242.86- 282.86	160.86
4.409	4.409	0.000	47293	200.000	194.9	231.90- 271.90	361.32
4.520	4.520	0.000	24979	200.000	192.2	98.24- 138.24	190.84
4.606	4.606	0.000	16664	200.000	192.8	94.08- 134.08	127.31
Average of Peak Amounts =					192.1		
7 Aroclor-1260					CAS #: 11096-82-5		
8.720	8.720	0.000	22629	200.000	188.9	80.00- 120.00	100.00(M)
9.261	9.261	0.000	23847	200.000	189.2	92.64- 132.64	105.38
9.968	9.968	0.000	52817	200.000	188.1	69.99- 109.99	233.40

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
10.698	10.698	0.000	23579	200.000	191.2	115.64- 155.64	104.20
11.092	11.092	0.000	14304	200.000	184.9	57.50- 97.50	63.21
		Average of Peak Amounts =			188.5		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.098	13.098	0.000	98167	20.0000	18.56	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File:	09nov101450-r021.d	Date:	09-NOV-2010 15:36
Client ID:	AR1660_200	Instrument:	7227_1.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	CCVRT-58588,1,AR1660_200		
Lab Sample ID:	CCVRT-58588		



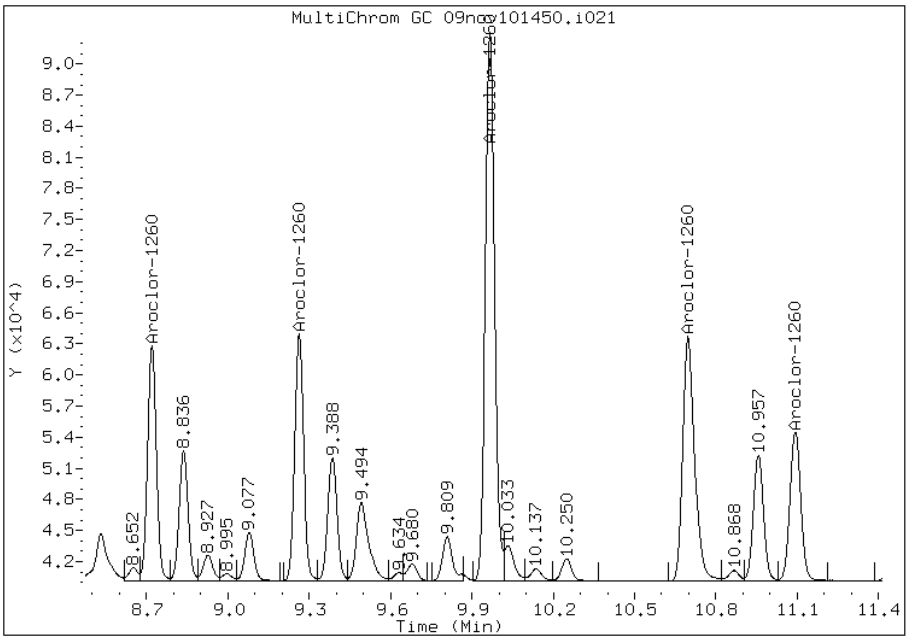
Manual Integration Report

Data File: 09nov101450-r021.d
Inj. Date and Time: 09-NOV-2010 15:36
Instrument ID: 7227_1.i
Client ID: AR1660_200
Compound: 7 Aroclor-1260
CAS #: 11096-82-5
Report Date: 11/10/2010

Processing Integration Results

RT	Response	Conc
8.72	22395*	186.91
9.26	23754*	188.42
9.97	52746*	187.89
10.70	23572*	191.19
11.09	14304	184.85

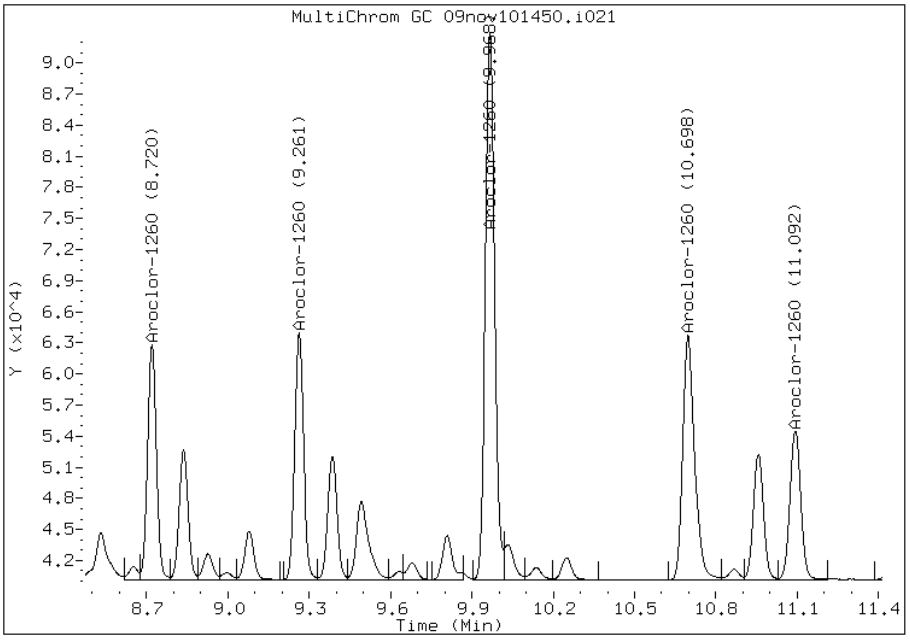
Final Conc		187.90



Manual Integration Results

RT	Response	Conc
8.72	22629*	188.86
9.26	23847*	189.15
9.97	52817*	188.14
10.70	23579*	191.25
11.09	14304	184.85

Final Conc		188.50



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCVRT 200-9333/2 Calibration Date: 11/09/2010 15:36

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 09nov101450-r021.d Conc. Units: ug/L

EPA Sample No.: AR1660_200

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	109.8	110.3		201	200	0.5	15.0
PCB-1016 Peak 2	Ave	171.7	171.1		199	200	-0.3	15.0
PCB-1016 Peak 3	Ave	263.4	259.5		197	200	-1.5	15.0
PCB-1016 Peak 4	Ave	126.8	126.9		200	200	0.0	15.0
PCB-1016 Peak 5	Ave	105.3	105.7		201	200	0.4	15.0
PCB-1260 Peak 1	Ave	162.1	157.0		194	200	-3.2	15.0
PCB-1260 Peak 2	Ave	538.0	509.9		190	200	-5.2	15.0
PCB-1260 Peak 3	Ave	188.2	177.8		189	200	-5.6	15.0
PCB-1260 Peak 4	Ave	89.36	87.40		196	200	-2.2	15.0
PCB-1260 Peak 5	Ave	206.4	200.1		194	200	-3.0	15.0
Tetrachloro-m-xylene	Ave	5801	5503		19.0	20.0	-5.1	15.0
DCB Decachlorobiphenyl	Ave	6735	5979		17.8	20.0	-11.2	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCVRT 200-9333/2 Calibration Date: 11/09/2010 15:36

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 09nov101450-r021.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.46	4.41	4.51
PCB-1016 Peak 2	5.05	5.00	5.10
PCB-1016 Peak 3	5.70	5.65	5.75
PCB-1016 Peak 4	5.94	5.89	5.99
PCB-1016 Peak 5	6.15	6.10	6.20
PCB-1260 Peak 1	11.34	11.29	11.39
PCB-1260 Peak 2	12.37	12.32	12.42
PCB-1260 Peak 3	12.95	12.90	13.00
PCB-1260 Peak 4	13.57	13.52	13.62
PCB-1260 Peak 5	13.70	13.65	13.75
Tetrachloro-m-xylene	3.75	3.70	3.80
DCB Decachlorobiphenyl	14.43	14.38	14.48

TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/09NOV101450.b/09nov101450-r021.d
Lab Smp Id: CCVRT-58588 Client Smp ID: AR1660_200
Inj Date : 09-NOV-2010 15:36
Operator : SLD Inst ID: 7227_2.i
Smp Info : CCVRT-58588,1,AR1660_200
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/09NOV101450.b/8082_RTX35.m
Meth Date : 10-Nov-2010 08:05 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

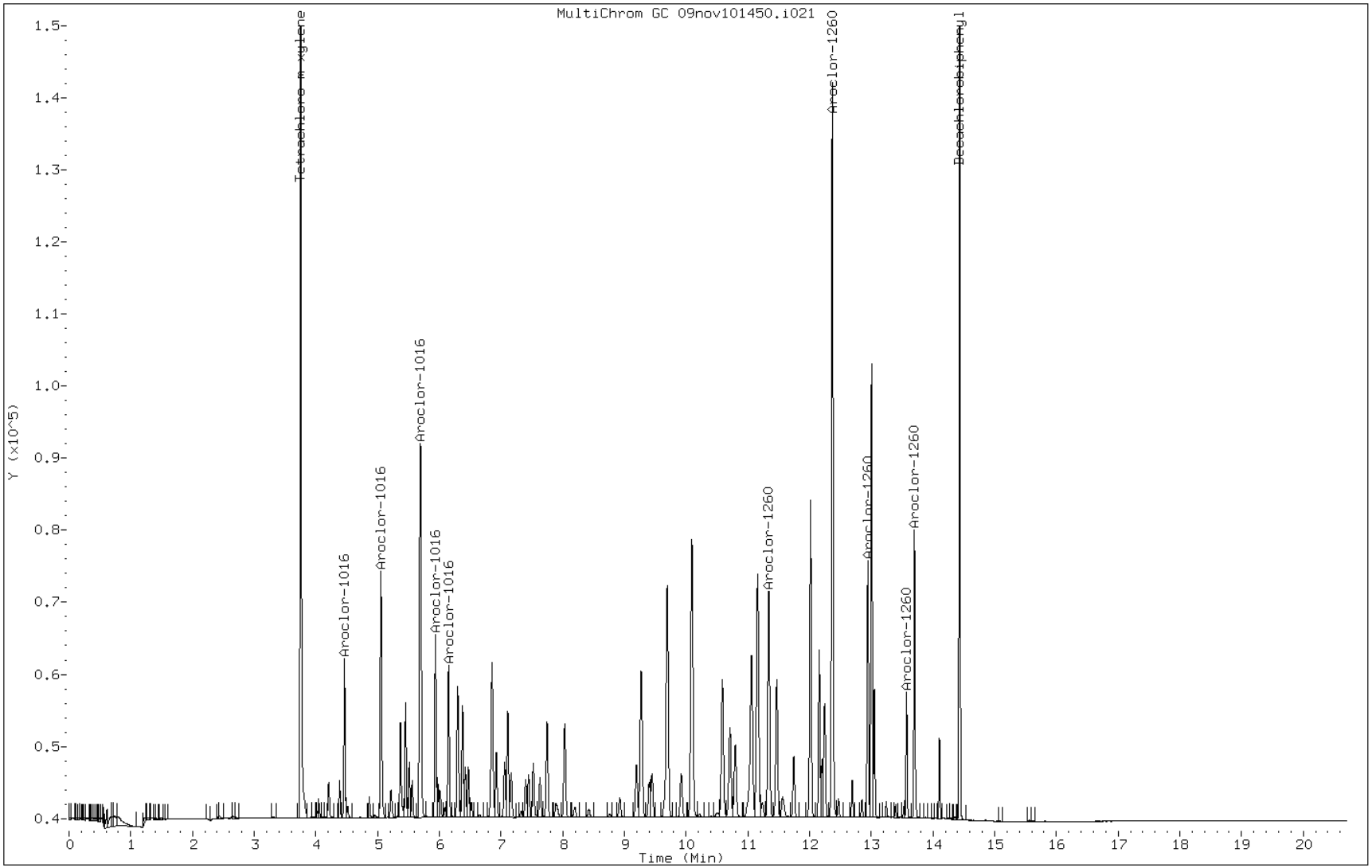
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.753	3.753	0.000	110057	20.0000	18.97	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
4.464	4.464	0.000	22052	200.000	200.9	80.00- 120.00	100.00
5.054	5.054	0.000	34220	200.000	199.4	242.86- 282.86	155.18
5.697	5.697	0.000	51893	200.000	197.0	231.90- 271.90	235.32
5.938	5.938	0.000	25371	200.000	200.1	98.24- 138.24	115.05
6.151	6.151	0.000	21137	200.000	200.8	94.08- 134.08	95.85
Average of Peak Amounts =					199.6		
7 Aroclor-1260					CAS #: 11096-82-5		
11.338	11.338	0.000	31392	200.000	193.6	80.00- 120.00	100.00
12.369	12.369	0.000	101989	200.000	189.6	92.64- 132.64	324.89
12.945	12.945	0.000	35551	200.000	188.9	69.99- 109.99	113.25

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
13.573	13.573	0.000	17479	200.000	195.6	115.64- 155.64	55.68
13.699	13.699	0.000	40016	200.000	193.9	57.50- 97.50	127.47
Average of Peak Amounts =					192.3		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.431	14.431	0.000	119579	20.0000	17.75	80.00- 120.00	100.00

Data File:	09nov101450-r021.d	Date:	09-NOV-2010 15:36
Client ID:	AR1660_200	Instrument:	7227_2.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	CCVRT-58588,1,AR1660_200		
Lab Sample ID:	CCVRT-58588		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9333/13 Calibration Date: 11/09/2010 20:02

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 09nov101450-r131.d Conc. Units: ug/L

EPA Sample No.: AR1660_200

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	68.73	68.30		199	200	-0.6	15.0
PCB-1016 Peak 2	Ave	110.7	106.9		193	200	-3.5	15.0
PCB-1016 Peak 3	Ave	242.7	238.9		197	200	-1.5	15.0
PCB-1016 Peak 4	Ave	130.0	124.1		191	200	-4.5	15.0
PCB-1016 Peak 5	Ave	86.42	86.53		200	200	0.1	15.0
PCB-1260 Peak 1	Ave	119.8	114.8		192	200	-4.2	15.0
PCB-1260 Peak 2	Ave	126.1	120.7		191	200	-4.3	15.0
PCB-1260 Peak 3	Ave	280.7	275.3		196	200	-1.9	15.0
PCB-1260 Peak 4	Ave	123.3	119.6		194	200	-3.0	15.0
PCB-1260 Peak 5	Ave	77.38	71.74		185	200	-7.3	15.0
Tetrachloro-m-xylene	Ave	3638	3501		19.2	20.0	-3.8	15.0
DCB Decachlorobiphenyl	Ave	5288	4945		18.7	20.0	-6.5	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9333/13 Calibration Date: 11/09/2010 20:02

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 09nov101450-r131.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.50	3.45	3.55
PCB-1016 Peak 2	4.11	4.06	4.16
PCB-1016 Peak 3	4.40	4.36	4.46
PCB-1016 Peak 4	4.52	4.47	4.57
PCB-1016 Peak 5	4.60	4.56	4.66
PCB-1260 Peak 1	8.71	8.67	8.77
PCB-1260 Peak 2	9.26	9.21	9.31
PCB-1260 Peak 3	9.96	9.92	10.02
PCB-1260 Peak 4	10.69	10.65	10.75
PCB-1260 Peak 5	11.09	11.04	11.14
Tetrachloro-m-xylene	3.09	3.05	3.15
DCB Decachlorobiphenyl	13.09	13.05	13.15

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/09NOV101450.b/09nov101450-r131.d
Lab Smp Id: CCV-58588 Client Smp ID: AR1660_200
Inj Date : 09-NOV-2010 20:02
Operator : SLD Inst ID: 7227_1.i
Smp Info : CCV-58588,1,AR1660_200
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/09NOV101450.b/8082_RTX5.m
Meth Date : 10-Nov-2010 08:07 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 07:20 Cal File: 22oct102021-r281.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

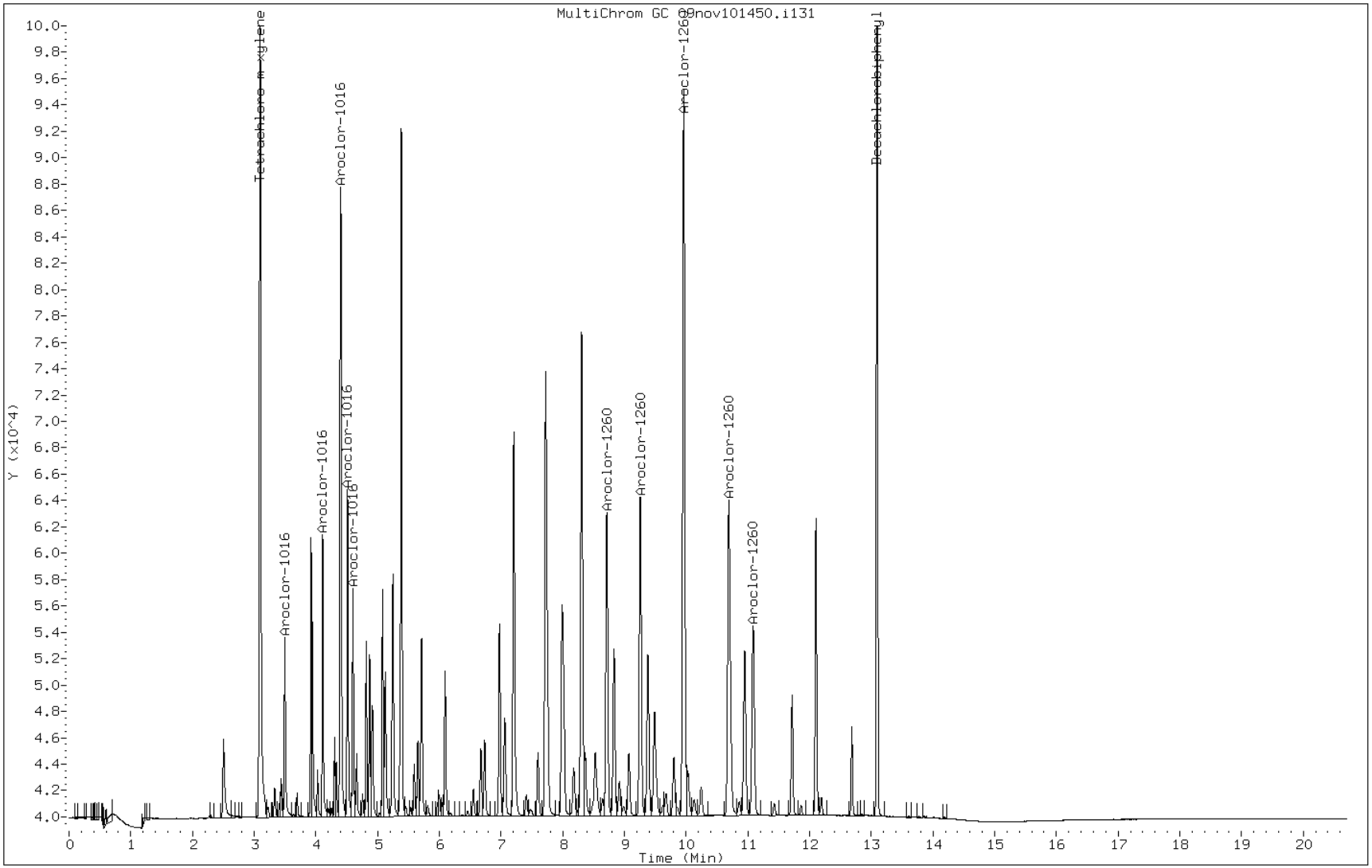
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.094	3.101	-0.007	70017	20.0000	19.25	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
3.498	3.502	-0.004	13659	200.000	198.7	80.00- 120.00	100.00
4.110	4.114	-0.004	21378	200.000	193.1	242.86- 282.86	156.51
4.402	4.409	-0.007	47788	200.000	196.9	231.90- 271.90	349.86
4.515	4.520	-0.005	24827	200.000	191.0	98.24- 138.24	181.76
4.602	4.606	-0.004	17305	200.000	200.2	94.08- 134.08	126.69
Average of Peak Amounts =					196		
7 Aroclor-1260					CAS #: 11096-82-5		
8.714	8.720	-0.006	22967	200.000	191.7	80.00- 120.00	100.00
9.257	9.261	-0.004	24135	200.000	191.4	92.64- 132.64	105.09
9.962	9.968	-0.006	55056	200.000	196.1	69.99- 109.99	239.72

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
	7 Aroclor-1260 (continued)						
10.691	10.698	-0.007	23920	200.000	194.0	115.64- 155.64	104.15
11.088	11.092	-0.004	14347	200.000	185.4	57.50- 97.50	62.47
	Average of Peak Amounts =				191.7		
$	11 Decachlorobiphenyl				CAS #: 2051-24-3		
13.092	13.098	-0.006	98901	20.0000	18.70	80.00- 120.00	100.00

Data File:	09nov101450-r131.d	Date:	09-NOV-2010 20:02
Client ID:	AR1660_200	Instrument:	7227_1.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	CCV-58588,1,AR1660_200		
Lab Sample ID:	CCV-58588		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9333/13 Calibration Date: 11/09/2010 20:02

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 09nov101450-r131.d Conc. Units: ug/L

EPA Sample No.: AR1660_200

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	109.8	110.0		200	200	0.2	15.0
PCB-1016 Peak 2	Ave	171.7	171.8		200	200	0.1	15.0
PCB-1016 Peak 3	Ave	263.4	263.8		200	200	0.2	15.0
PCB-1016 Peak 4	Ave	126.8	128.4		202	200	1.2	15.0
PCB-1016 Peak 5	Ave	105.3	106.6		203	200	1.3	15.0
PCB-1260 Peak 1	Ave	162.1	155.1		191	200	-4.4	15.0
PCB-1260 Peak 2	Ave	538.0	508.8		189	200	-5.4	15.0
PCB-1260 Peak 3	Ave	188.2	174.7		186	200	-7.2	15.0
PCB-1260 Peak 4	Ave	89.36	88.81		199	200	-0.6	15.0
PCB-1260 Peak 5	Ave	206.4	195.4		189	200	-5.3	15.0
Tetrachloro-m-xylene	Ave	5801	5490		18.9	20.0	-5.4	15.0
DCB Decachlorobiphenyl	Ave	6735	6165		18.3	20.0	-8.5	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9333/13 Calibration Date: 11/09/2010 20:02

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 09nov101450-r131.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.46	4.41	4.51
PCB-1016 Peak 2	5.05	5.00	5.10
PCB-1016 Peak 3	5.69	5.65	5.75
PCB-1016 Peak 4	5.93	5.89	5.99
PCB-1016 Peak 5	6.14	6.10	6.20
PCB-1260 Peak 1	11.33	11.29	11.39
PCB-1260 Peak 2	12.36	12.32	12.42
PCB-1260 Peak 3	12.93	12.90	13.00
PCB-1260 Peak 4	13.56	13.52	13.62
PCB-1260 Peak 5	13.69	13.65	13.75
Tetrachloro-m-xylene	3.74	3.70	3.80
DCB Decachlorobiphenyl	14.42	14.38	14.48

TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/09NOV101450.b/09nov101450-r131.d
Lab Smp Id: CCV-58588 Client Smp ID: AR1660_200
Inj Date : 09-NOV-2010 20:02
Operator : SLD Inst ID: 7227_2.i
Smp Info : CCV-58588,1,AR1660_200
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/09NOV101450.b/8082_RTX35.m
Meth Date : 10-Nov-2010 08:10 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

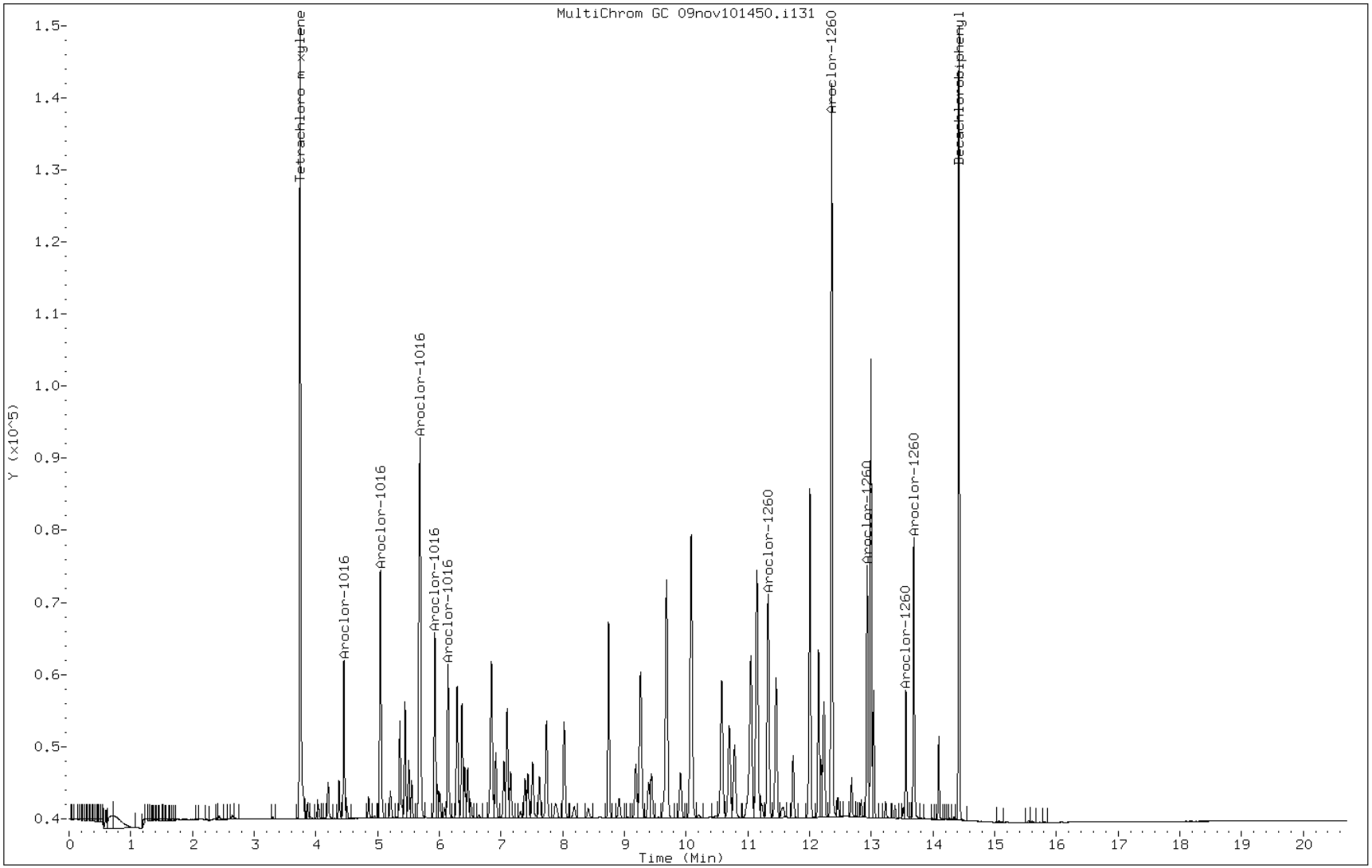
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.744	3.753	-0.009	109791	20.0000	18.92	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
4.455	4.464	-0.009	21995	200.000	200.4	80.00- 120.00	100.00
5.045	5.054	-0.009	34369	200.000	200.2	242.86- 282.86	156.26
5.688	5.697	-0.009	52755	200.000	200.3	231.90- 271.90	239.85
5.927	5.938	-0.011	25678	200.000	202.5	98.24- 138.24	116.74
6.142	6.151	-0.009	21326	200.000	202.6	94.08- 134.08	96.96
Average of Peak Amounts =					201.2		
7 Aroclor-1260					CAS #: 11096-82-5		
11.329	11.338	-0.009	31011	200.000	191.3	80.00- 120.00	100.00
12.360	12.369	-0.009	101759	200.000	189.1	92.64- 132.64	328.14
12.934	12.945	-0.011	34936	200.000	185.6	69.99- 109.99	112.66

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
13.562	13.573	-0.011	17762	200.000	198.8	115.64- 155.64	57.28
13.688	13.699	-0.011	39083	200.000	189.4	57.50- 97.50	126.03
		Average of Peak Amounts =			190.8		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.419	14.431	-0.012	123307	20.0000	18.31	80.00- 120.00	100.00

Data File:	09nov101450-r131.d	Date:	09-NOV-2010 20:02
Client ID:	AR1660_200	Instrument:	7227_2.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	CCV-58588,1,AR1660_200		
Lab Sample ID:	CCV-58588		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9333/24 Calibration Date: 11/10/2010 00:29

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 09nov101450-r241.d Conc. Units: ug/L

EPA Sample No.: AR1660_200

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	68.73	69.75		203	200	1.5	15.0
PCB-1016 Peak 2	Ave	110.7	110.5		200	200	-0.2	15.0
PCB-1016 Peak 3	Ave	242.7	244.1		201	200	0.6	15.0
PCB-1016 Peak 4	Ave	130.0	128.4		198	200	-1.2	15.0
PCB-1016 Peak 5	Ave	86.42	88.50		205	200	2.4	15.0
PCB-1260 Peak 1	Ave	119.8	119.5		199	200	-0.3	15.0
PCB-1260 Peak 2	Ave	126.1	124.3		197	200	-1.4	15.0
PCB-1260 Peak 3	Ave	280.7	284.4		203	200	1.3	15.0
PCB-1260 Peak 4	Ave	123.3	122.9		199	200	-0.3	15.0
PCB-1260 Peak 5	Ave	77.38	73.32		190	200	-5.2	15.0
Tetrachloro-m-xylene	Ave	3638	3654		20.1	20.0	0.4	15.0
DCB Decachlorobiphenyl	Ave	5288	5116		19.3	20.0	-3.3	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9333/24 Calibration Date: 11/10/2010 00:29

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 09nov101450-r241.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.49	3.45	3.55
PCB-1016 Peak 2	4.10	4.06	4.16
PCB-1016 Peak 3	4.40	4.36	4.46
PCB-1016 Peak 4	4.51	4.47	4.57
PCB-1016 Peak 5	4.60	4.56	4.66
PCB-1260 Peak 1	8.71	8.67	8.77
PCB-1260 Peak 2	9.25	9.21	9.31
PCB-1260 Peak 3	9.95	9.92	10.02
PCB-1260 Peak 4	10.68	10.65	10.75
PCB-1260 Peak 5	11.08	11.04	11.14
Tetrachloro-m-xylene	3.09	3.05	3.15
DCB Decachlorobiphenyl	13.08	13.05	13.15

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/09NOV101450.b/09nov101450-r241.d
Lab Smp Id: CCV-58588 Client Smp ID: AR1660_200
Inj Date : 10-NOV-2010 00:29
Operator : SLD Inst ID: 7227_1.i
Smp Info : CCV-58588,1,AR1660_200
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/09NOV101450.b/8082_RTX5.m
Meth Date : 10-Nov-2010 08:07 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 07:20 Cal File: 22oct102021-r281.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

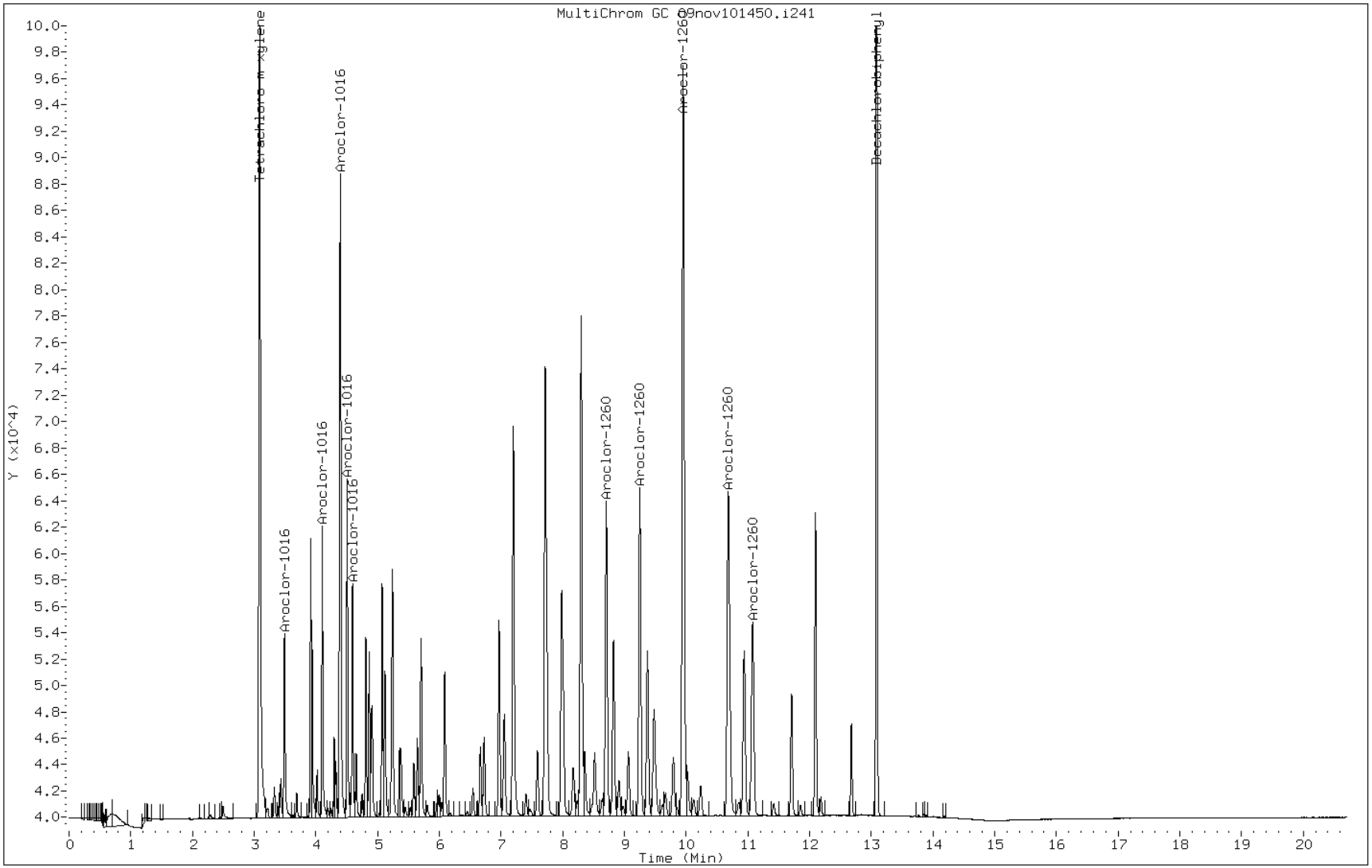
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.090	3.101	-0.011	73077	20.0000	20.09	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
3.491	3.502	-0.011	13949	200.000	202.9	80.00- 120.00	100.00
4.103	4.114	-0.011	22109	200.000	199.7	242.86- 282.86	158.50
4.398	4.409	-0.011	48826	200.000	201.2	231.90- 271.90	350.03
4.506	4.520	-0.014	25679	200.000	197.6	98.24- 138.24	184.09
4.595	4.606	-0.011	17699	200.000	204.8	94.08- 134.08	126.88
Average of Peak Amounts =					201.2		
7 Aroclor-1260					CAS #: 11096-82-5		
8.707	8.720	-0.013	23895	200.000	199.4	80.00- 120.00	100.00
9.248	9.261	-0.013	24864	200.000	197.2	92.64- 132.64	104.06
9.953	9.968	-0.015	56877	200.000	202.6	69.99- 109.99	238.03

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
	7 Aroclor-1260 (continued)						
10.684	10.698	-0.014	24572	200.000	199.3	115.64- 155.64	102.83
11.079	11.092	-0.013	14664	200.000	189.5	57.50- 97.50	61.37
	Average of Peak Amounts =				197.6		
$	11 Decachlorobiphenyl				CAS #: 2051-24-3		
13.085	13.098	-0.013	102322	20.0000	19.35	80.00- 120.00	100.00

Data File:	09nov101450-r241.d	Date:	10-NOV-2010 00:29
Client ID:	AR1660_200	Instrument:	7227_1.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	CCV-58588,1,AR1660_200		
Lab Sample ID:	CCV-58588		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9333/24 Calibration Date: 11/10/2010 00:29

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 09nov101450-r241.d Conc. Units: ug/L

EPA Sample No.: AR1660_200

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	109.8	111.8		204	200	1.8	15.0
PCB-1016 Peak 2	Ave	171.7	172.5		201	200	0.5	15.0
PCB-1016 Peak 3	Ave	263.4	268.4		204	200	1.9	15.0
PCB-1016 Peak 4	Ave	126.8	129.0		203	200	1.7	15.0
PCB-1016 Peak 5	Ave	105.3	109.2		207	200	3.7	15.0
PCB-1260 Peak 1	Ave	162.1	158.8		196	200	-2.1	15.0
PCB-1260 Peak 2	Ave	538.0	527.7		196	200	-1.9	15.0
PCB-1260 Peak 3	Ave	188.2	180.5		192	200	-4.1	15.0
PCB-1260 Peak 4	Ave	89.36	89.17		200	200	-0.2	15.0
PCB-1260 Peak 5	Ave	206.4	198.0		192	200	-4.0	15.0
Tetrachloro-m-xylene	Ave	5801	5661		19.5	20.0	-2.4	15.0
DCB Decachlorobiphenyl	Ave	6735	6166		18.3	20.0	-8.5	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9333/24 Calibration Date: 11/10/2010 00:29

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 09nov101450-r241.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.45	4.41	4.51
PCB-1016 Peak 2	5.04	5.00	5.10
PCB-1016 Peak 3	5.68	5.65	5.75
PCB-1016 Peak 4	5.92	5.89	5.99
PCB-1016 Peak 5	6.14	6.10	6.20
PCB-1260 Peak 1	11.32	11.29	11.39
PCB-1260 Peak 2	12.35	12.32	12.42
PCB-1260 Peak 3	12.93	12.90	13.00
PCB-1260 Peak 4	13.56	13.52	13.62
PCB-1260 Peak 5	13.68	13.65	13.75
Tetrachloro-m-xylene	3.74	3.70	3.80
DCB Decachlorobiphenyl	14.41	14.38	14.48

TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/09NOV101450.b/09nov101450-r241.d
Lab Smp Id: CCV-58588 Client Smp ID: AR1660_200
Inj Date : 10-NOV-2010 00:29
Operator : SLD Inst ID: 7227_2.i
Smp Info : CCV-58588,1,AR1660_200
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/09NOV101450.b/8082_RTX35.m
Meth Date : 10-Nov-2010 08:10 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

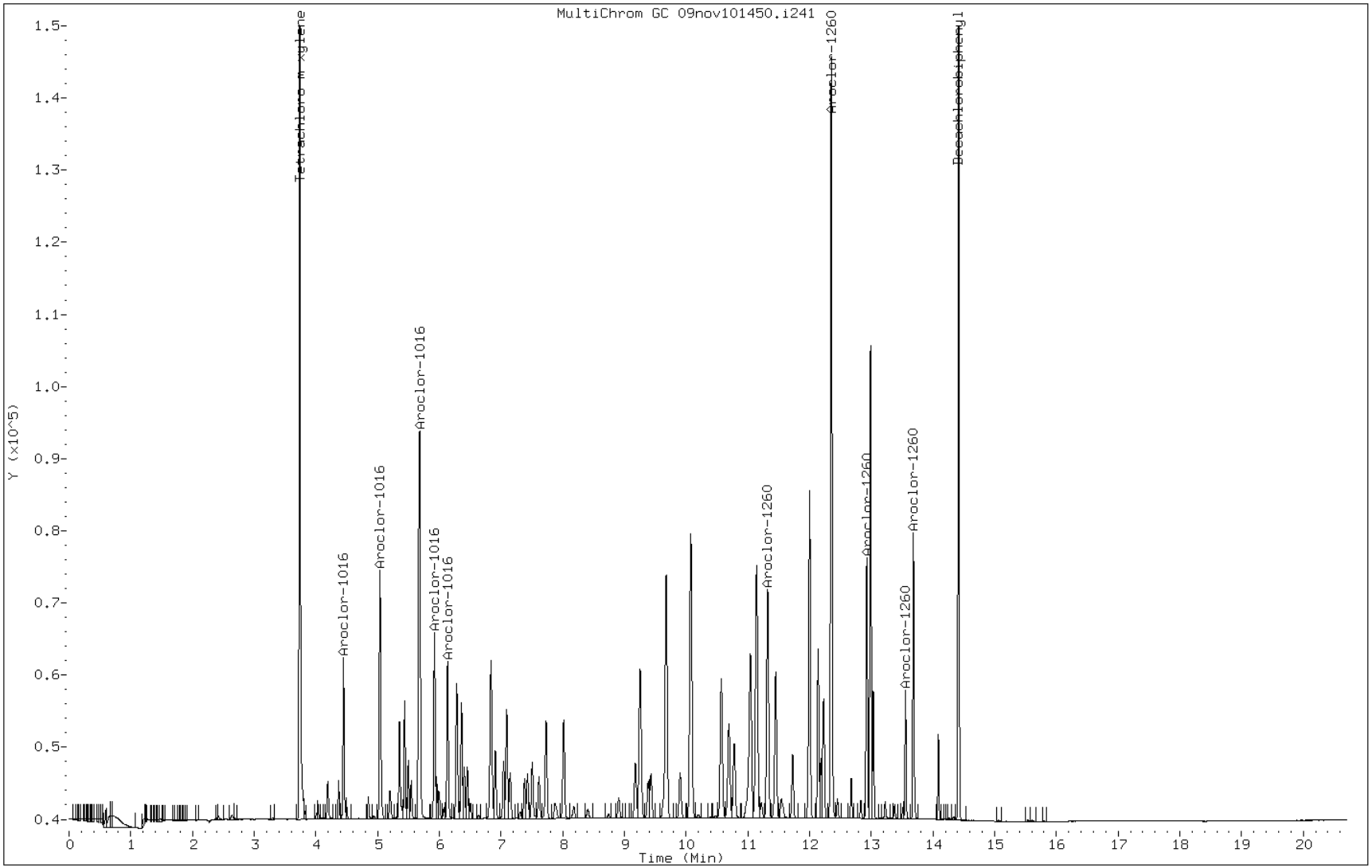
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.740	3.753	-0.013	113221	20.0000	19.52	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
4.449	4.464	-0.015	22356	200.000	203.7	80.00- 120.00	100.00
5.038	5.054	-0.016	34490	200.000	200.9	242.86- 282.86	154.28
5.681	5.697	-0.016	53679	200.000	203.8	231.90- 271.90	240.11
5.923	5.938	-0.015	25802	200.000	203.4	98.24- 138.24	115.41
6.136	6.151	-0.015	21837	200.000	207.5	94.08- 134.08	97.68
Average of Peak Amounts =					203.9		
7 Aroclor-1260					CAS #: 11096-82-5		
11.323	11.338	-0.015	31750	200.000	195.8	80.00- 120.00	100.00
12.353	12.369	-0.016	105537	200.000	196.2	92.64- 132.64	332.40
12.928	12.945	-0.017	36109	200.000	191.8	69.99- 109.99	113.73

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
13.557	13.573	-0.016	17833	200.000	199.6	115.64- 155.64	56.17
13.683	13.699	-0.016	39601	200.000	191.9	57.50- 97.50	124.73
		Average of Peak Amounts =			195.1		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.413	14.431	-0.018	123315	20.0000	18.31	80.00- 120.00	100.00

Data File:	09nov101450-r241.d	Date:	10-NOV-2010 00:29
Client ID:	AR1660_200	Instrument:	7227_2.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	CCV-58588,1,AR1660_200		
Lab Sample ID:	CCV-58588		



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9333/32 Calibration Date: 11/10/2010 03:43

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 09nov101450-r321.d Conc. Units: ug/L

EPA Sample No.: AR1660_200

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	68.73	72.09		210	200	4.9	15.0
PCB-1016 Peak 2	Ave	110.7	114.0		206	200	3.0	15.0
PCB-1016 Peak 3	Ave	242.7	253.5		209	200	4.5	15.0
PCB-1016 Peak 4	Ave	130.0	134.9		208	200	3.8	15.0
PCB-1016 Peak 5	Ave	86.42	92.73		215	200	7.3	15.0
PCB-1260 Peak 1	Ave	119.8	124.5		208	200	3.9	15.0
PCB-1260 Peak 2	Ave	126.1	130.7		207	200	3.6	15.0
PCB-1260 Peak 3	Ave	280.7	295.2		210	200	5.1	15.0
PCB-1260 Peak 4	Ave	123.3	127.1		206	200	3.1	15.0
PCB-1260 Peak 5	Ave	77.38	79.58		206	200	2.8	15.0
Tetrachloro-m-xylene	Ave	3638	3881		21.3	20.0	6.7	15.0
DCB Decachlorobiphenyl	Ave	5288	5275		19.9	20.0	-0.3	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9333/32 Calibration Date: 11/10/2010 03:43

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-5 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 09nov101450-r321.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	3.50	3.45	3.55
PCB-1016 Peak 2	4.11	4.06	4.16
PCB-1016 Peak 3	4.40	4.36	4.46
PCB-1016 Peak 4	4.51	4.47	4.57
PCB-1016 Peak 5	4.60	4.56	4.66
PCB-1260 Peak 1	8.71	8.67	8.77
PCB-1260 Peak 2	9.25	9.21	9.31
PCB-1260 Peak 3	9.96	9.92	10.02
PCB-1260 Peak 4	10.69	10.65	10.75
PCB-1260 Peak 5	11.08	11.04	11.14
Tetrachloro-m-xylene	3.09	3.05	3.15
DCB Decachlorobiphenyl	13.09	13.05	13.15

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/09NOV101450.b/09nov101450-r321.d
Lab Smp Id: CCV-58588 Client Smp ID: AR1660_200
Inj Date : 10-NOV-2010 03:43
Operator : SLD Inst ID: 7227_1.i
Smp Info : CCV-58588,1,AR1660_200
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/09NOV101450.b/8082_RTX5.m
Meth Date : 10-Nov-2010 08:07 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 07:20 Cal File: 22oct102021-r281.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

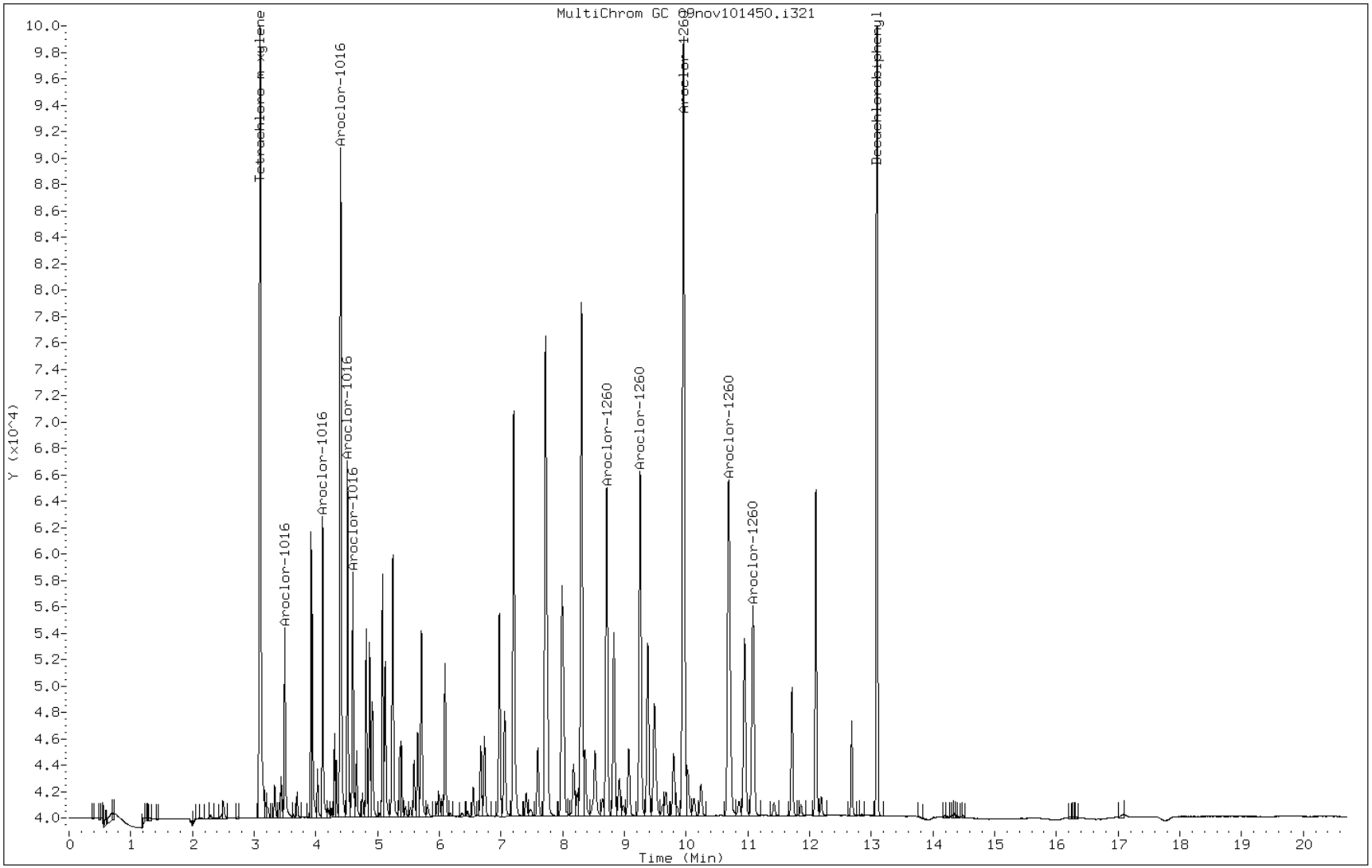
				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.094	3.101	-0.007	77615	20.0000	21.34	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
3.498	3.502	-0.004	14417	200.000	209.7	80.00- 120.00	100.00
4.110	4.114	-0.004	22802	200.000	205.9	242.86- 282.86	158.16
4.402	4.409	-0.007	50703	200.000	208.9	231.90- 271.90	351.69
4.513	4.520	-0.007	26974	200.000	207.5	98.24- 138.24	187.10
4.600	4.606	-0.006	18545	200.000	214.6	94.08- 134.08	128.63
Average of Peak Amounts =					209.3		
7 Aroclor-1260					CAS #: 11096-82-5		
8.714	8.720	-0.006	24907	200.000	207.9	80.00- 120.00	100.00(M)
9.255	9.261	-0.006	26134	200.000	207.3	92.64- 132.64	104.93
9.957	9.968	-0.011	59037	200.000	210.3	69.99- 109.99	237.03

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
10.687	10.698	-0.011	25417	200.000	206.2	115.64- 155.64	102.05
11.083	11.092	-0.009	15915	200.000	205.7	57.50- 97.50	63.90
		Average of Peak Amounts =			207.5		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.092	13.098	-0.006	105501	20.0000	19.95	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Data File:	09nov101450-r321.d	Date:	10-NOV-2010 03:43
Client ID:	AR1660_200	Instrument:	7227_1.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	CCV-58588,1,AR1660_200		
Lab Sample ID:	CCV-58588		



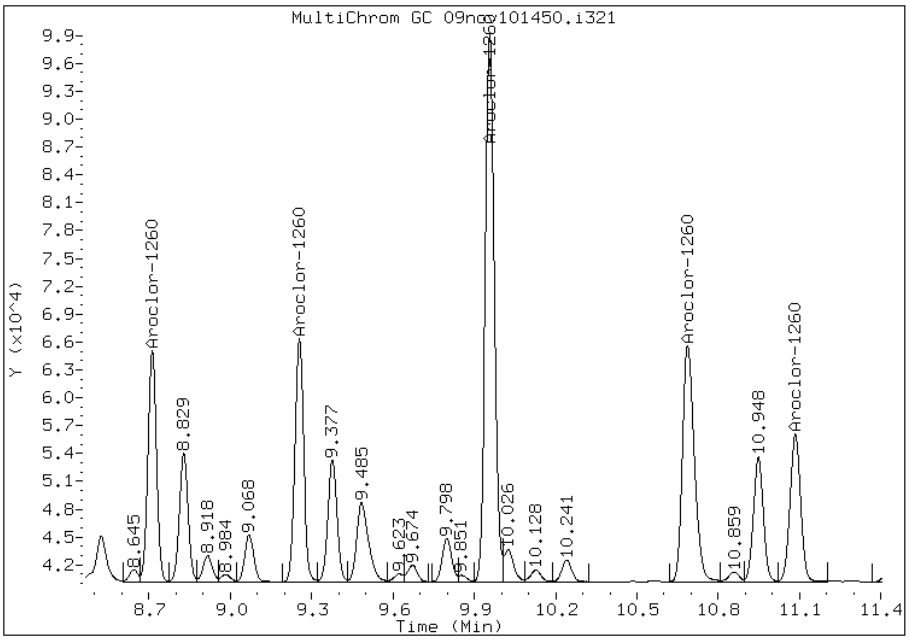
Manual Integration Report

Data File: 09nov101450-r321.d
Inj. Date and Time: 10-NOV-2010 03:43
Instrument ID: 7227_1.i
Client ID: AR1660_200
Compound: 7 Aroclor-1260
CAS #: 11096-82-5
Report Date: 11/10/2010

Processing Integration Results

RT	Response	Conc
8.71	24830*	207.23
9.25	26108*	207.09
9.96	59006*	210.18
10.69	25417	206.16
11.08	15915	205.67

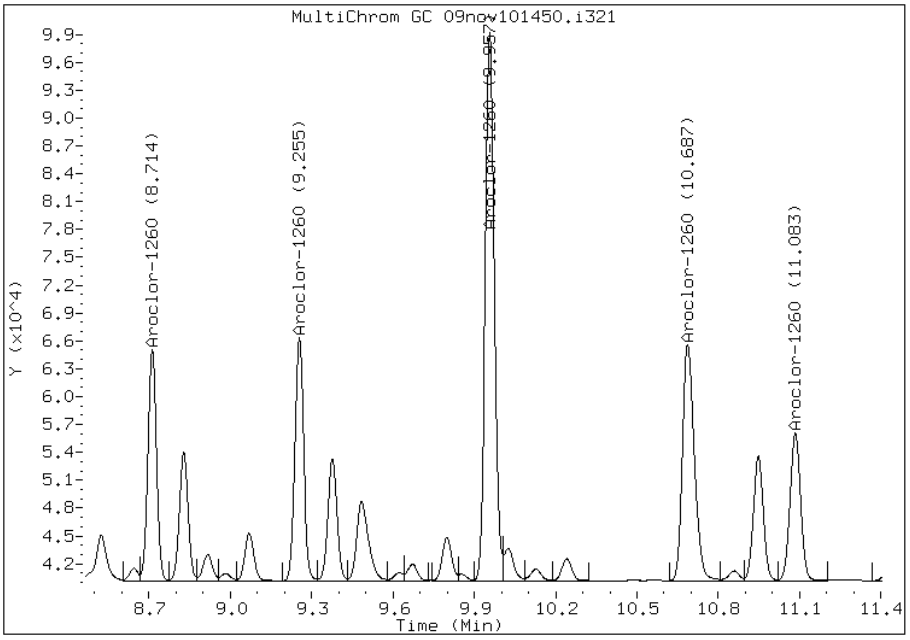
Final Conc		207.30



Manual Integration Results

RT	Response	Conc
8.71	24907*	207.87
9.25	26134*	207.29
9.96	59037*	210.29
10.69	25417	206.16
11.08	15915	205.67

Final Conc		207.50



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9333/32 Calibration Date: 11/10/2010 03:43

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 09nov101450-r321.d Conc. Units: ug/L

EPA Sample No.: AR1660_200

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	109.8	114.0		208	200	3.9	15.0
PCB-1016 Peak 2	Ave	171.7	174.8		204	200	1.9	15.0
PCB-1016 Peak 3	Ave	263.4	273.1		207	200	3.7	15.0
PCB-1016 Peak 4	Ave	126.8	133.2		210	200	5.0	15.0
PCB-1016 Peak 5	Ave	105.3	110.2		209	200	4.7	15.0
PCB-1260 Peak 1	Ave	162.1	168.9		208	200	4.2	15.0
PCB-1260 Peak 2	Ave	538.0	552.6		205	200	2.7	15.0
PCB-1260 Peak 3	Ave	188.2	192.0		204	200	2.0	15.0
PCB-1260 Peak 4	Ave	89.36	92.14		206	200	3.1	15.0
PCB-1260 Peak 5	Ave	206.4	214.1		208	200	3.8	15.0
Tetrachloro-m-xylene	Ave	5801	5874		20.2	20.0	1.2	15.0
DCB Decachlorobiphenyl	Ave	6735	6453		19.2	20.0	-4.2	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: CCV 200-9333/32 Calibration Date: 11/10/2010 03:43

Instrument ID: 7227.i Calib Start Date: 10/23/2010 07:20

GC Column: RTX-35 ID: 0.25(mm) Calib End Date: 10/23/2010 08:56

Lab File ID: 09nov101450-r321.d

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	4.47	4.41	4.51
PCB-1016 Peak 2	5.06	5.00	5.10
PCB-1016 Peak 3	5.70	5.65	5.75
PCB-1016 Peak 4	5.94	5.89	5.99
PCB-1016 Peak 5	6.15	6.10	6.20
PCB-1260 Peak 1	11.34	11.29	11.39
PCB-1260 Peak 2	12.37	12.32	12.42
PCB-1260 Peak 3	12.95	12.90	13.00
PCB-1260 Peak 4	13.57	13.52	13.62
PCB-1260 Peak 5	13.70	13.65	13.75
Tetrachloro-m-xylene	3.76	3.70	3.80
DCB Decachlorobiphenyl	14.43	14.38	14.48

TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/09NOV101450.b/09nov101450-r321.d
Lab Smp Id: CCV-58588 Client Smp ID: AR1660_200
Inj Date : 10-NOV-2010 03:43
Operator : SLD Inst ID: 7227_2.i
Smp Info : CCV-58588,1,AR1660_200
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/09NOV101450.b/8082_RTX35.m
Meth Date : 10-Nov-2010 08:10 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660STD.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

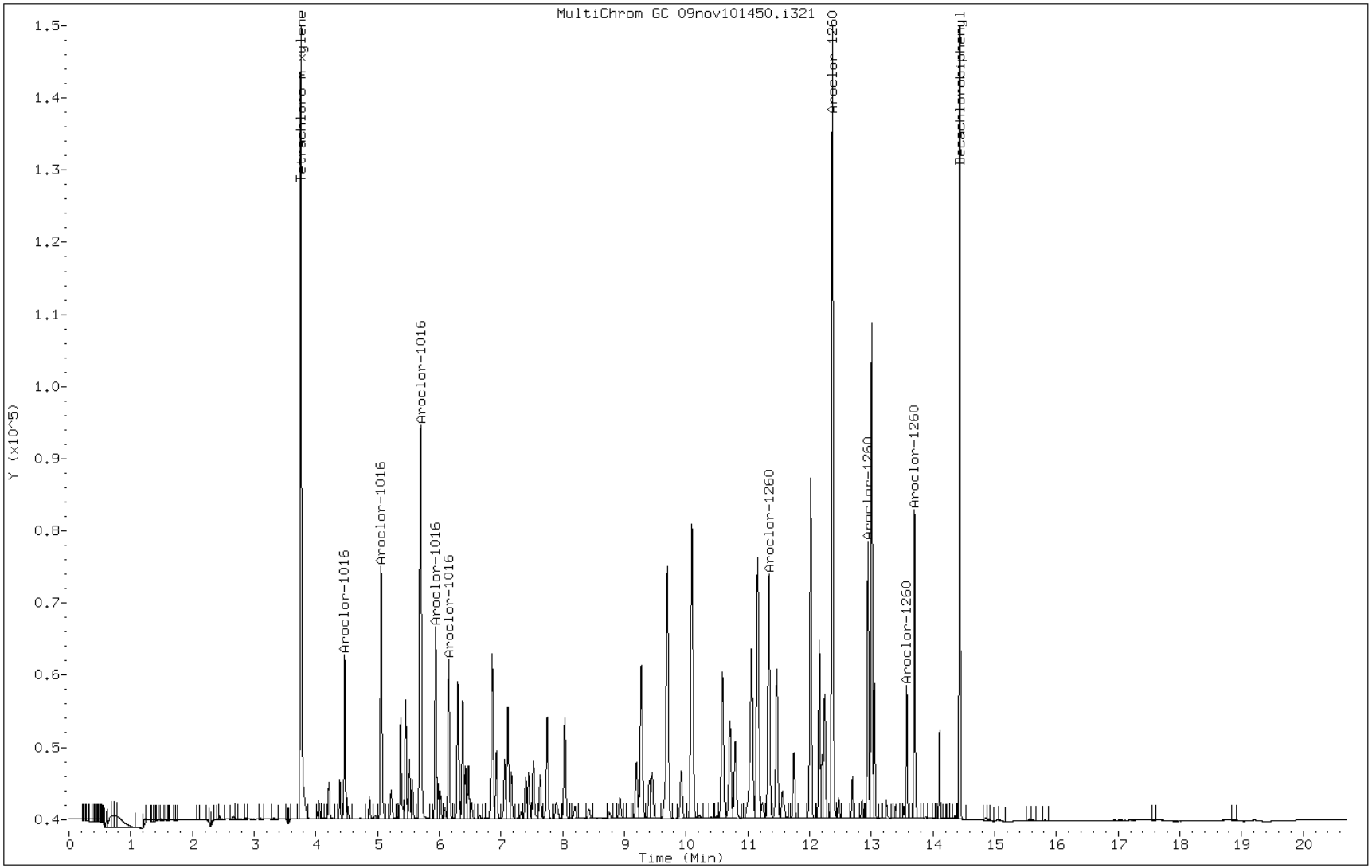
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				AMOUNTS CAL-AMT	AMOUNTS ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.757	3.753	0.004	117472	20.0000	20.25	80.00- 120.00	100.00
1 Aroclor-1016					CAS #: 12674-11-2		
4.469	4.464	0.005	22807	200.000	207.8	80.00- 120.00	100.00
5.056	5.054	0.002	34969	200.000	203.7	242.86- 282.86	153.33
5.699	5.697	0.002	54616	200.000	207.4	231.90- 271.90	239.47
5.941	5.938	0.003	26643	200.000	210.1	98.24- 138.24	116.82
6.153	6.151	0.002	22038	200.000	209.4	94.08- 134.08	96.63
Average of Peak Amounts =					207.7		
7 Aroclor-1260					CAS #: 11096-82-5		
11.340	11.338	0.002	33776	200.000	208.3	80.00- 120.00	100.00
12.371	12.369	0.002	110526	200.000	205.4	92.64- 132.64	327.23
12.945	12.945	0.000	38390	200.000	203.9	69.99- 109.99	113.66

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	TARGET RANGE	RATIO
7 Aroclor-1260 (continued)							
13.575	13.573	0.002	18427	200.000	206.2	115.64- 155.64	54.56
13.701	13.699	0.002	42822	200.000	207.5	57.50- 97.50	126.78
		Average of Peak Amounts =			206.3		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.433	14.431	0.002	129067	20.0000	19.16	80.00- 120.00	100.00

Data File:	09nov101450-r321.d	Date:	10-NOV-2010 03:43
Client ID:	AR1660_200	Instrument:	7227_2.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	CCV-58588,1,AR1660_200		
Lab Sample ID:	CCV-58588		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-8617/1-B

Matrix: Tissue | Lab File ID: 05nov101546-r031.d

Analysis Method: 8082 | Date Collected:

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.01(g) | Date Analyzed: 11/05/2010 16:39

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	51	U	51	25
11104-28-2	PCB-1221	51	U	51	25
11141-16-5	PCB-1232	51	U	51	25
53469-21-9	PCB-1242	51	U	51	25
12672-29-6	PCB-1248	51	U	51	25
11097-69-1	PCB-1254	51	U	51	25
11096-82-5	PCB-1260	51	U	51	25
37324-23-5	PCB-1262	51	U	51	25
11100-14-4	PCB-1268	51	U	51	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	89		30-130
2051-24-3	DCB Decachlorobiphenyl	84		45-125

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/05NOV101546.b/05nov101546-r031.d
Lab Smp Id: MB 200-8617/1-B Client Smp ID: MB 200-8617/1-B
Inj Date : 05-NOV-2010 16:39
Operator : DPD Inst ID: 7227_1.i
Smp Info : MB 200-8617/1-B
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 11:05 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

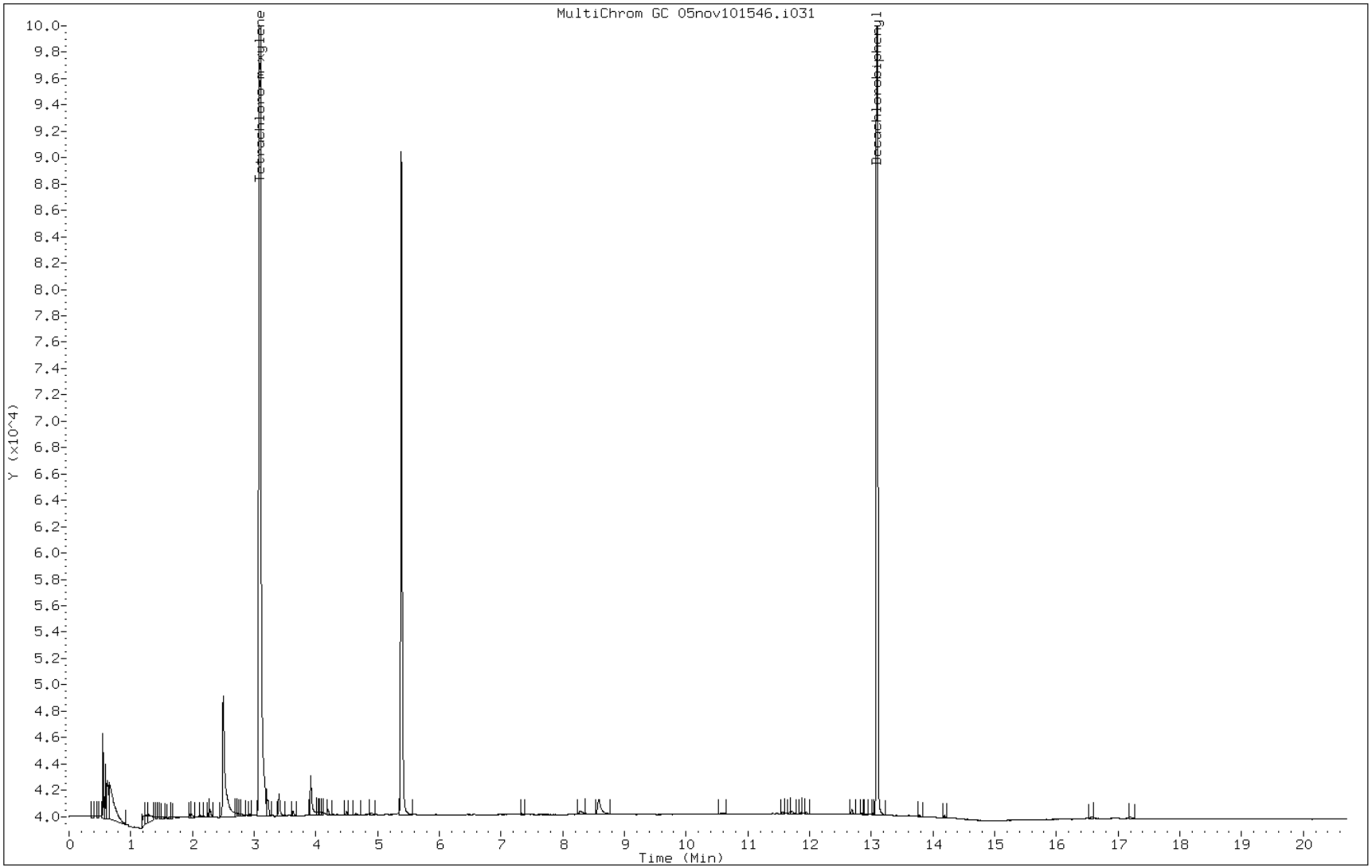
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.090	3.090	0.000	128996	35.4606	35.46	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.094	13.092	0.002	177411	33.5471	33.55	80.00- 120.00	100.00

Data File:	05nov101546-r031.d	Date:	05-NOV-2010 16:39
Client ID:	MB 200-8617/1-B	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	MB 200-8617/1-B		
Lab Sample ID:	MB 200-8617/1-B		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-8617/1-B

Matrix: Tissue Lab File ID: 05nov101546-r031.d

Analysis Method: 8082 Date Collected:

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.01(g) Date Analyzed: 11/05/2010 16:39

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	88		30-130
2051-24-3	DCB Decachlorobiphenyl	81		45-125

TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/05NOV101546.b/05nov101546-r031.d
Lab Smp Id: MB 200-8617/1-B Client Smp ID: MB 200-8617/1-B
Inj Date : 05-NOV-2010 16:39
Operator : DPD Inst ID: 7227_2.i
Smp Info : MB 200-8617/1-B
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:52 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

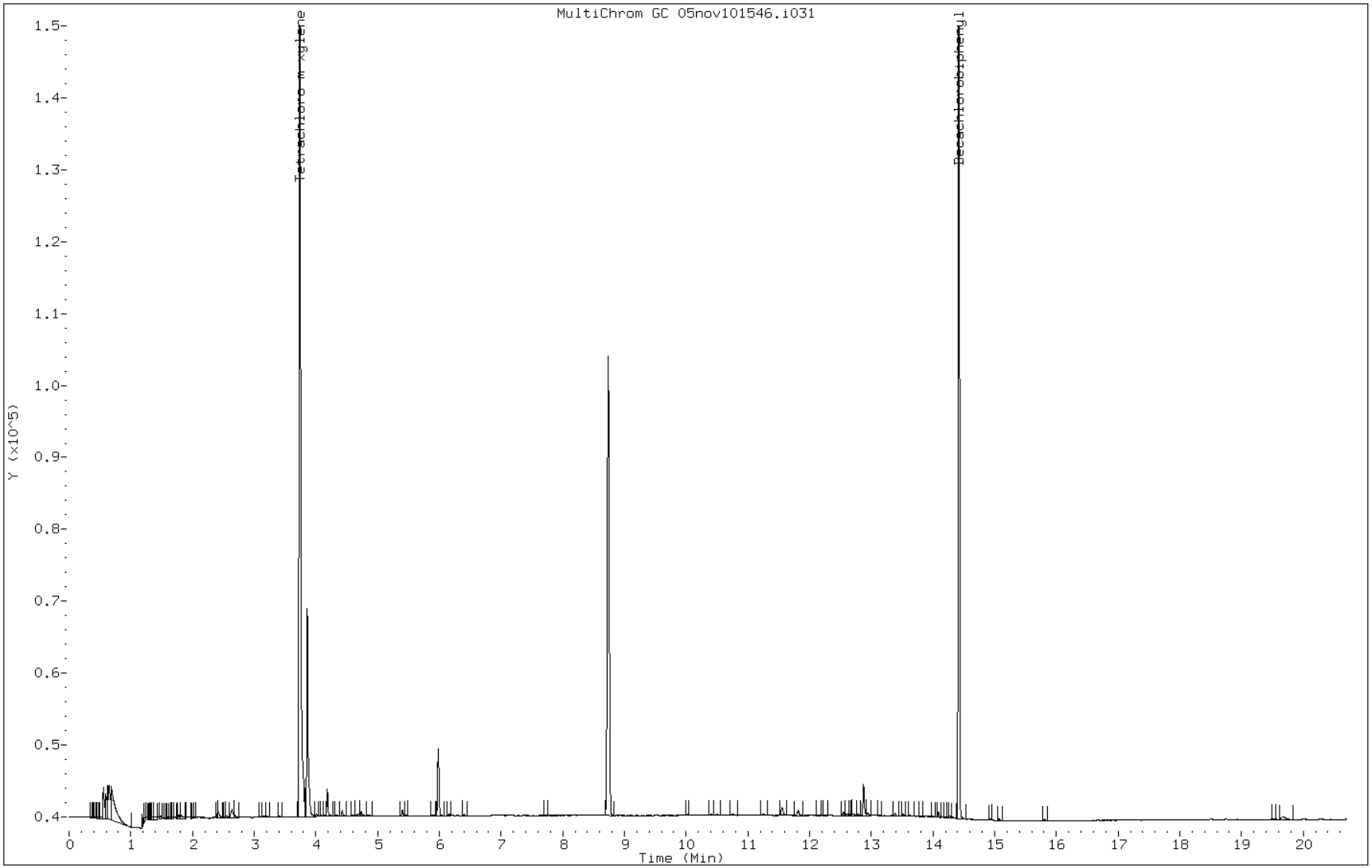
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.740	3.753	-0.013	203112	35.0110	35.01	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.419	14.431	-0.012	219196	32.5445	32.54	80.00- 120.00	100.00

Data File:	05nov101546-r031.d	Date:	05-NOV-2010 16:39
Client ID:	MB 200-8617/1-B	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	MB 200-8617/1-B		
Lab Sample ID:	MB 200-8617/1-B		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-8617/1-C

Matrix: Tissue | Lab File ID: 09nov101450-r251.d

Analysis Method: 8082 | Date Collected:

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.01(g) | Date Analyzed: 11/10/2010 00:53

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9333 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	51	U	51	25
11104-28-2	PCB-1221	51	U	51	25
11141-16-5	PCB-1232	51	U	51	25
53469-21-9	PCB-1242	51	U	51	25
12672-29-6	PCB-1248	51	U	51	25
11097-69-1	PCB-1254	51	U	51	25
11096-82-5	PCB-1260	51	U	51	25
37324-23-5	PCB-1262	51	U	51	25
11100-14-4	PCB-1268	51	U	51	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	95		30-130
2051-24-3	DCB Decachlorobiphenyl	92		45-125

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/09NOV101450.b/09nov101450-r251.d
Lab Smp Id: MB 200-8617/1-C Client Smp ID: MB 200-8617/1-C
Inj Date : 10-NOV-2010 00:53
Operator : SLD Inst ID: 7227_1.i
Smp Info : MB 200-8617/1-C
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/09NOV101450.b/8082_RTX5.m
Meth Date : 10-Nov-2010 08:11 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 07:20 Cal File: 22oct102021-r281.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

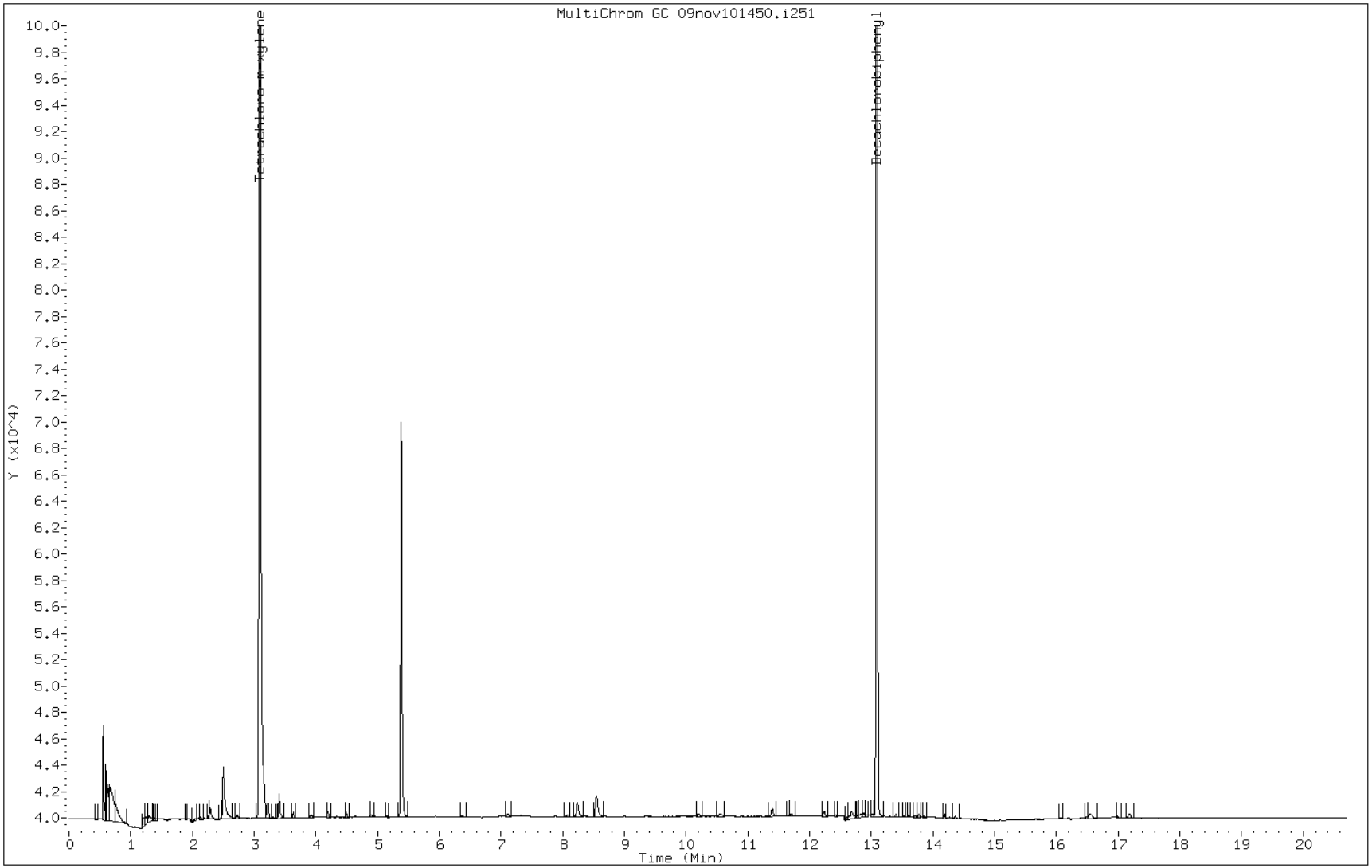
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.092	3.101	-0.009	137931	37.9169	37.92	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.089	13.098	-0.009	193785	36.6433	36.64	80.00- 120.00	100.00

Data File:	09nov101450-r251.d	Date:	10-NOV-2010 00:53
Client ID:	MB 200-8617/1-C	Instrument:	7227_1.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	MB 200-8617/1-C		
Lab Sample ID:	MB 200-8617/1-C		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-8617/1-C

Matrix: Tissue | Lab File ID: 09nov101450-r251.d

Analysis Method: 8082 | Date Collected:

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.01(g) | Date Analyzed: 11/10/2010 00:53

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-35 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9333 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	88		30-130
2051-24-3	DCB Decachlorobiphenyl	86		45-125

TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/09NOV101450.b/09nov101450-r251.d
Lab Smp Id: MB 200-8617/1-C Client Smp ID: MB 200-8617/1-C
Inj Date : 10-NOV-2010 00:53
Operator : SLD Inst ID: 7227_2.i
Smp Info : MB 200-8617/1-C
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/09NOV101450.b/8082_RTX35.m
Meth Date : 10-Nov-2010 09:28 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

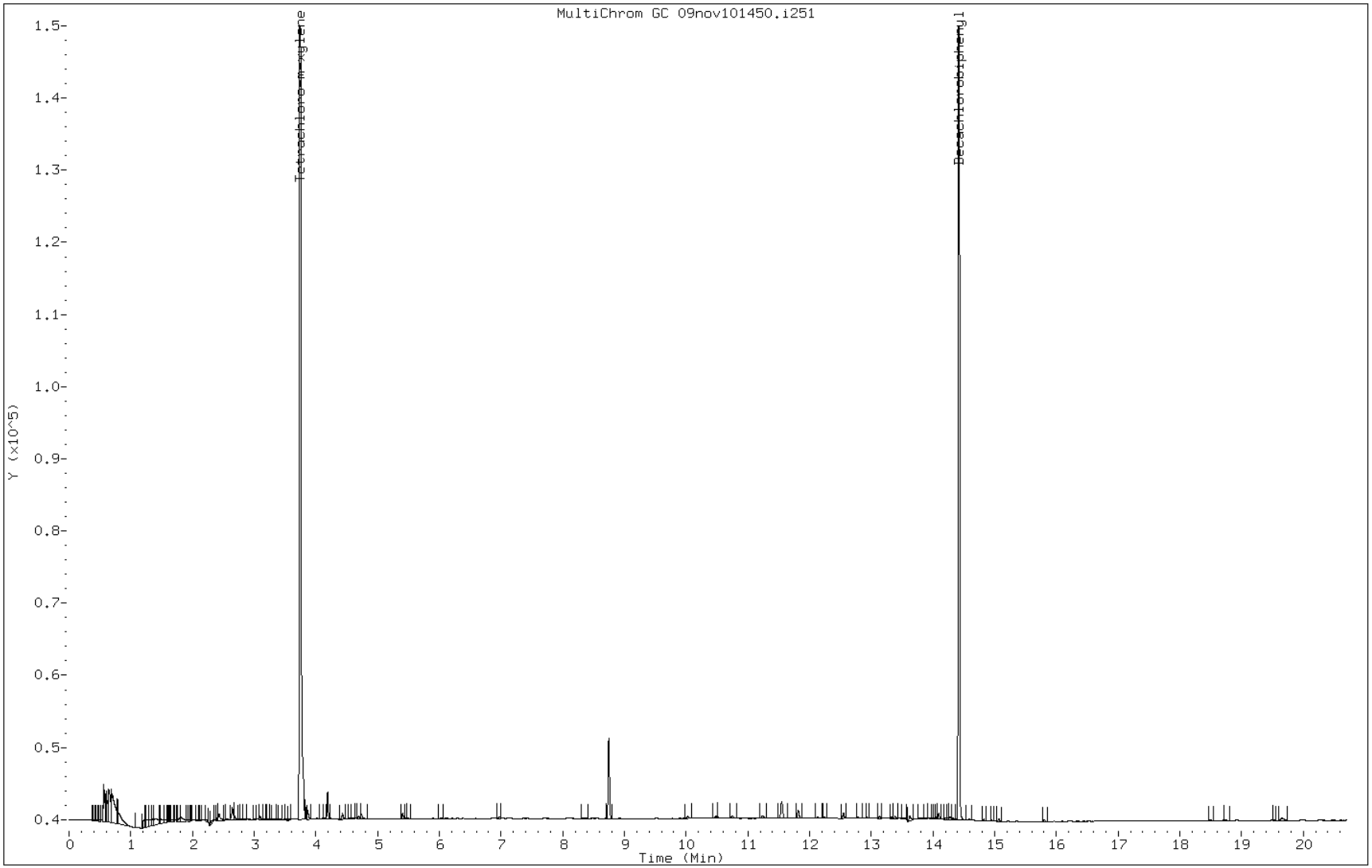
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.746	3.753	-0.007	204577	35.2635	35.26	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.419	14.431	-0.012	231515	34.3735	34.37	80.00- 120.00	100.00

Data File:	09nov101450-r251.d	Date:	10-NOV-2010 00:53
Client ID:	MB 200-8617/1-C	Instrument:	7227_2.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	MB 200-8617/1-C		
Lab Sample ID:	MB 200-8617/1-C		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-10336/1-C

Matrix: Tissue | Lab File ID: 15dec101459-r011.d

Analysis Method: 8082 | Date Collected:

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.01(g) | Date Analyzed: 12/15/2010 21:32

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	20	U	20	10
11104-28-2	PCB-1221	20	U	20	10
11141-16-5	PCB-1232	20	U	20	10
53469-21-9	PCB-1242	20	U	20	10
12672-29-6	PCB-1248	20	U	20	10
11097-69-1	PCB-1254	20	U	20	10
11096-82-5	PCB-1260	20	U	20	10
37324-23-5	PCB-1262	20	U	20	10
11100-14-4	PCB-1268	20	U	20	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	91	*E*	30-130
2051-24-3	DCB Decachlorobiphenyl	95	E	45-125

TestAmerica Burlington

Data file : /var/chem/3283_1.i/121510_1/15DEC101459.b/15dec101459-r011.d
Lab Smp Id: MB 200-10336_1-C
Inj Date : 15-DEC-2010 21:32
Operator : DPD Inst ID: 3283_1.i
Smp Info : MB 200-10336_1-C
Misc Info : MB 200-10336_1-C
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 08:03 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

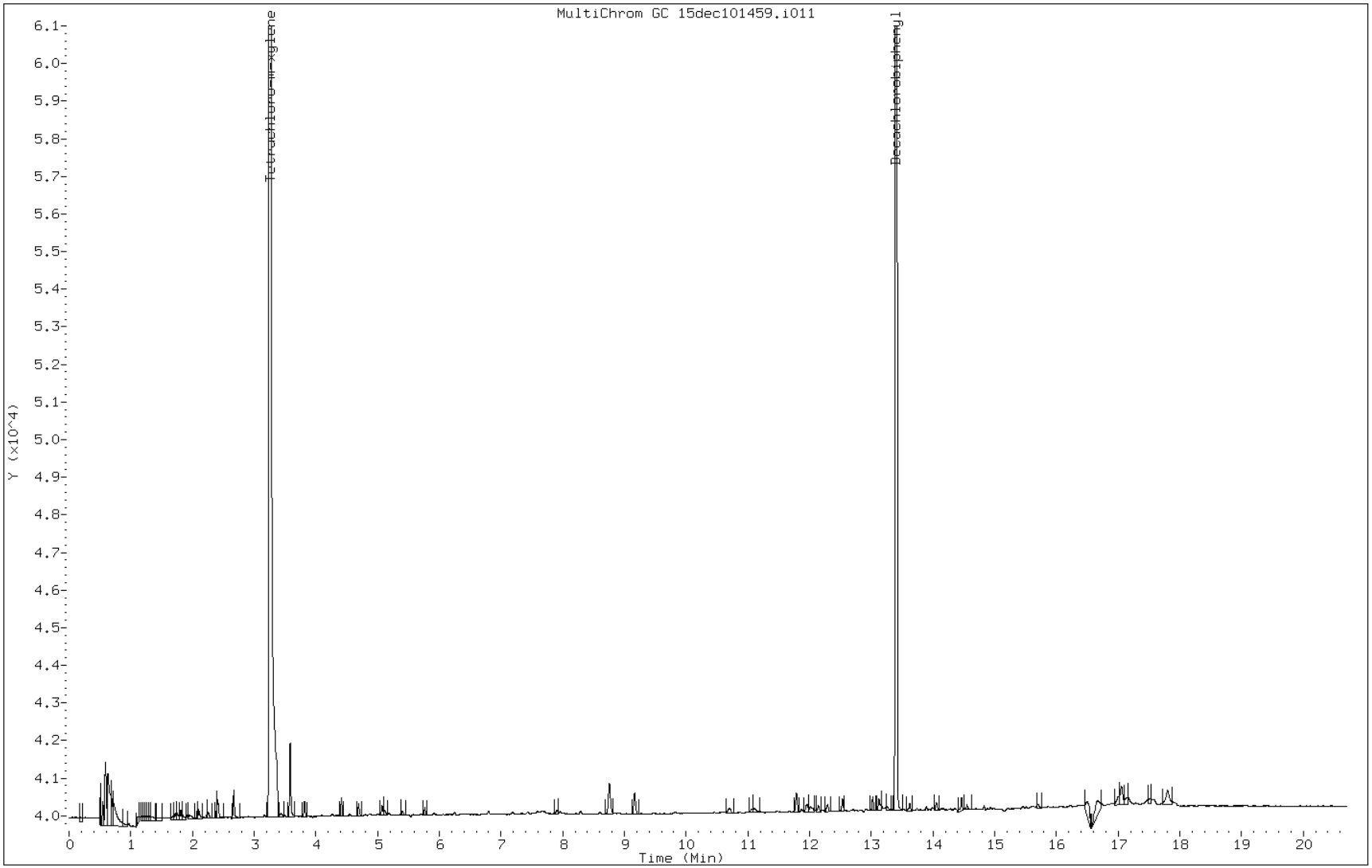
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.259	3.254	0.005	153910	90.7366	90.74	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.404	13.402	0.002	198808	95.0322	95.03	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r011.d	Date:	15-DEC-2010 21:32
Client ID:		Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	MB 200-10336_1-C		
Lab Sample ID:	MB 200-10336_1-C		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-10336/1-C

Matrix: Tissue | Lab File ID: 15dec101459-r011.d

Analysis Method: 8082 | Date Collected:

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.01(g) | Date Analyzed: 12/15/2010 21:32

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-35 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	91	E	30-130
2051-24-3	DCB Decachlorobiphenyl	94	*E*	45-125

TestAmerica Burlington

Data file : /var/chem/3283_2.i/121510_1/15DEC101459.b/15dec101459-r011.d
Lab Smp Id: MB 200-10336_1-C
Inj Date : 15-DEC-2010 21:32
Operator : DPD Inst ID: 3283_2.i
Smp Info : MB 200-10336_1-C
Misc Info : MB 200-10336_1-C
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 09:00 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

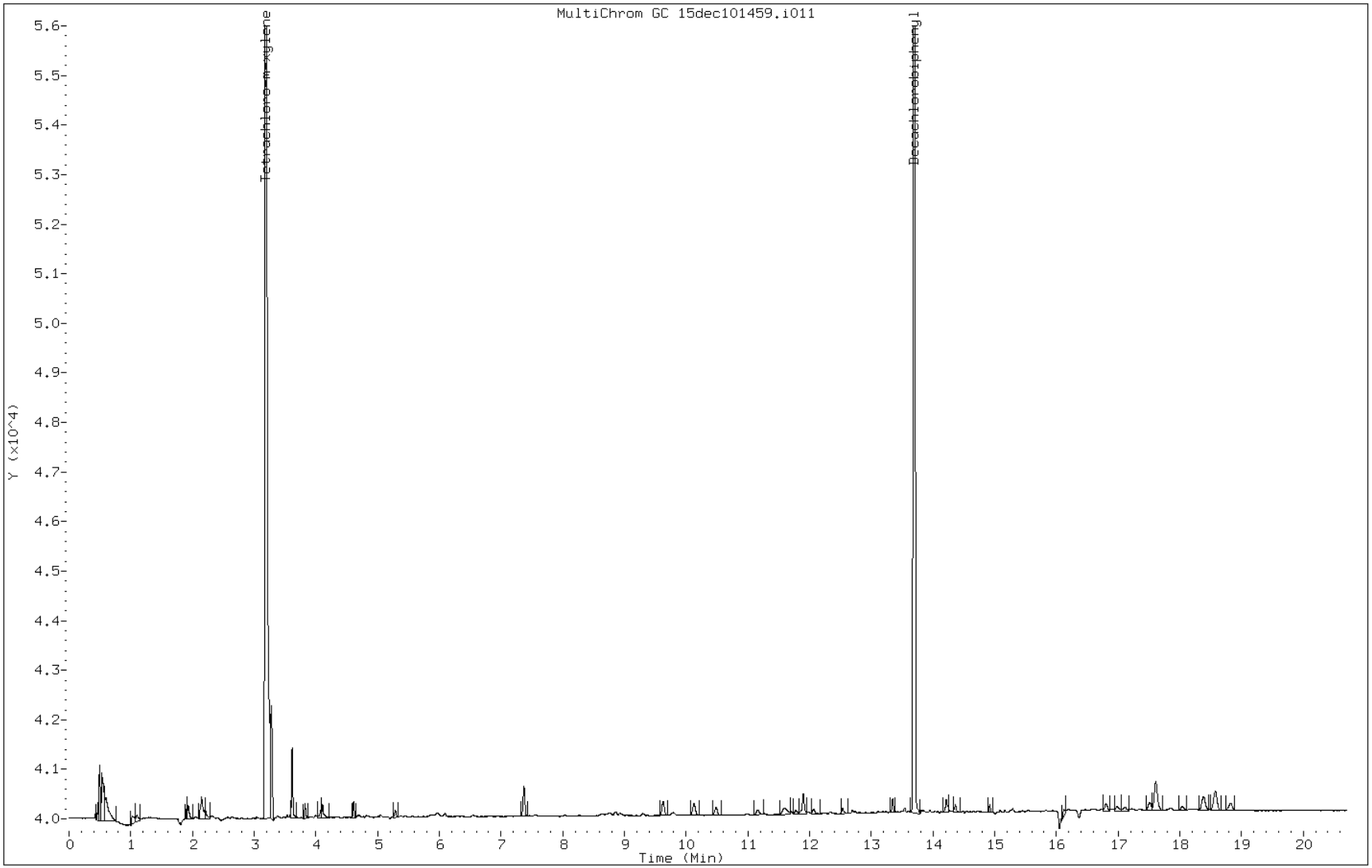
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.185	3.190	-0.005	104105	91.0094	91.01	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.695	13.699	-0.004	126487	94.0022	94.00	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r011.d	Date:	15-DEC-2010 21:32
Client ID:		Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	MB 200-10336_1-C		
Lab Sample ID:	MB 200-10336_1-C		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 200-8617/2-B

Matrix: Tissue | Lab File ID: 05nov101546-r041.d

Analysis Method: 8082 | Date Collected:

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.04(g) | Date Analyzed: 11/05/2010 17:03

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	454		51	25
11104-28-2	PCB-1221	51	U	51	25
11141-16-5	PCB-1232	51	U	51	25
53469-21-9	PCB-1242	51	U	51	25
12672-29-6	PCB-1248	51	U	51	25
11097-69-1	PCB-1254	51	U	51	25
11096-82-5	PCB-1260	445		51	25
37324-23-5	PCB-1262	51	U	51	25
11100-14-4	PCB-1268	51	U	51	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	92		30-130
2051-24-3	DCB Decachlorobiphenyl	88		45-125

TestAmerica Burlington

Data file : /var/chem/7227_1.i/102210_1/05NOV101546.b/05nov101546-r041.d
Lab Smp Id: LCS 200-8617/2-B Client Smp ID: LCS 200-8617/2-B
Inj Date : 05-NOV-2010 17:03
Operator : DPD Inst ID: 7227_1.i
Smp Info : LCS 200-8617/2-B
Misc Info :
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 11:05 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

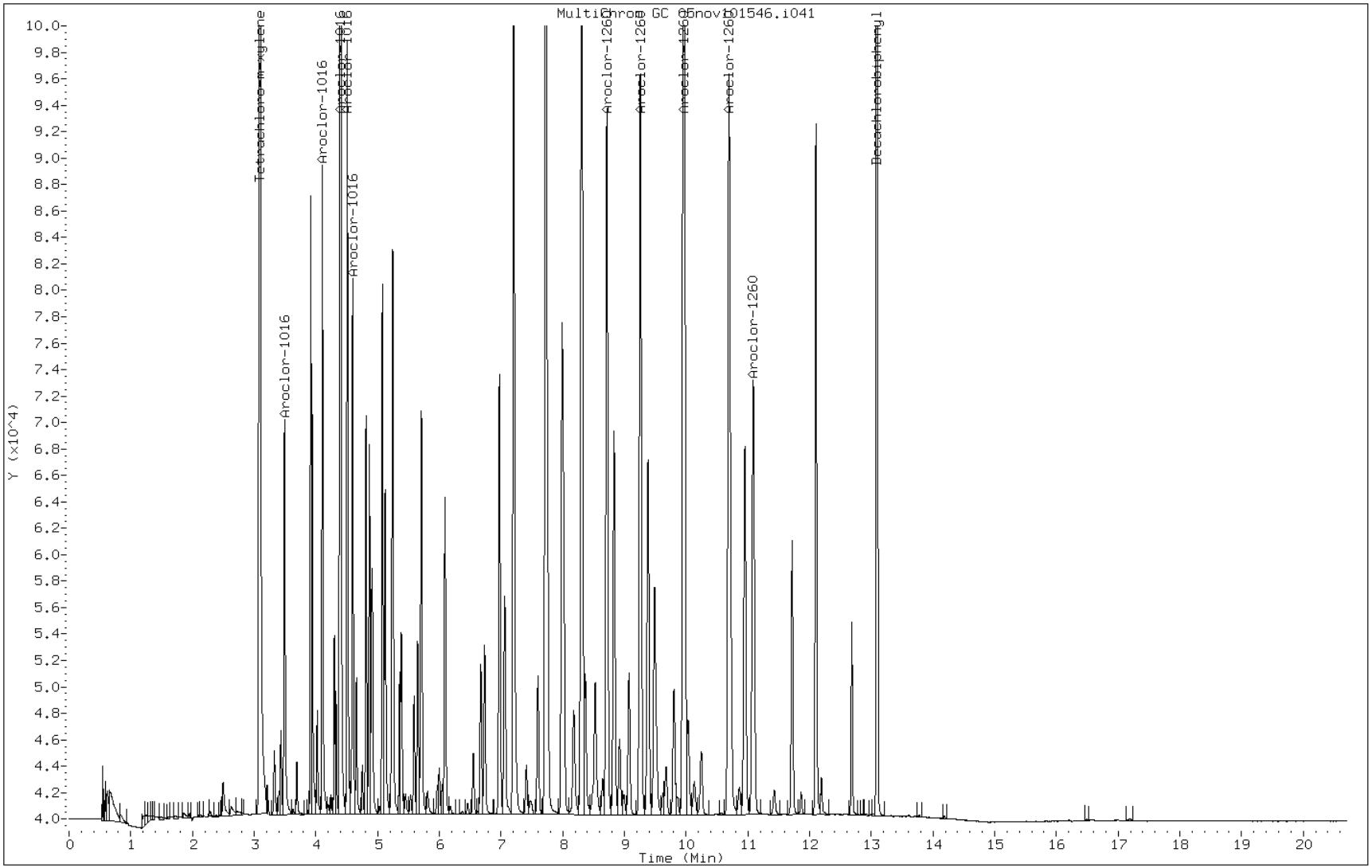
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1	Aroclor-1016					CAS #: 12674-11-2		
	3.491	3.493	-0.002	29872	434.598	434.6	80.00- 120.00	100.00
	4.105	4.105	0.000	49087	443.321	443.3	242.86- 282.86	164.32
	4.398	4.398	0.000	116857	481.517	481.5	231.90- 271.90	391.19
	4.511	4.511	0.000	58508	450.147	450.1	98.24- 138.24	195.86
	4.597	4.597	0.000	40491	468.532	468.5	94.08- 134.08	135.55
	Average of Peak Concentrations =					455.6		
7	Aroclor-1260					CAS #: 11096-82-5		
	8.716	8.716	0.000	53386	445.561	445.6	80.00- 120.00	100.00
	9.257	9.259	-0.002	56042	444.523	444.5	92.64- 132.64	104.98
	9.964	9.964	0.000	129909	462.746	462.7	69.99- 109.99	243.34
	10.695	10.695	0.000	56073	454.806	454.8	115.64- 155.64	105.03
	11.088	11.090	-0.002	32851	424.541	424.5	57.50- 97.50	61.53
	Average of Peak Concentrations =					446.4		

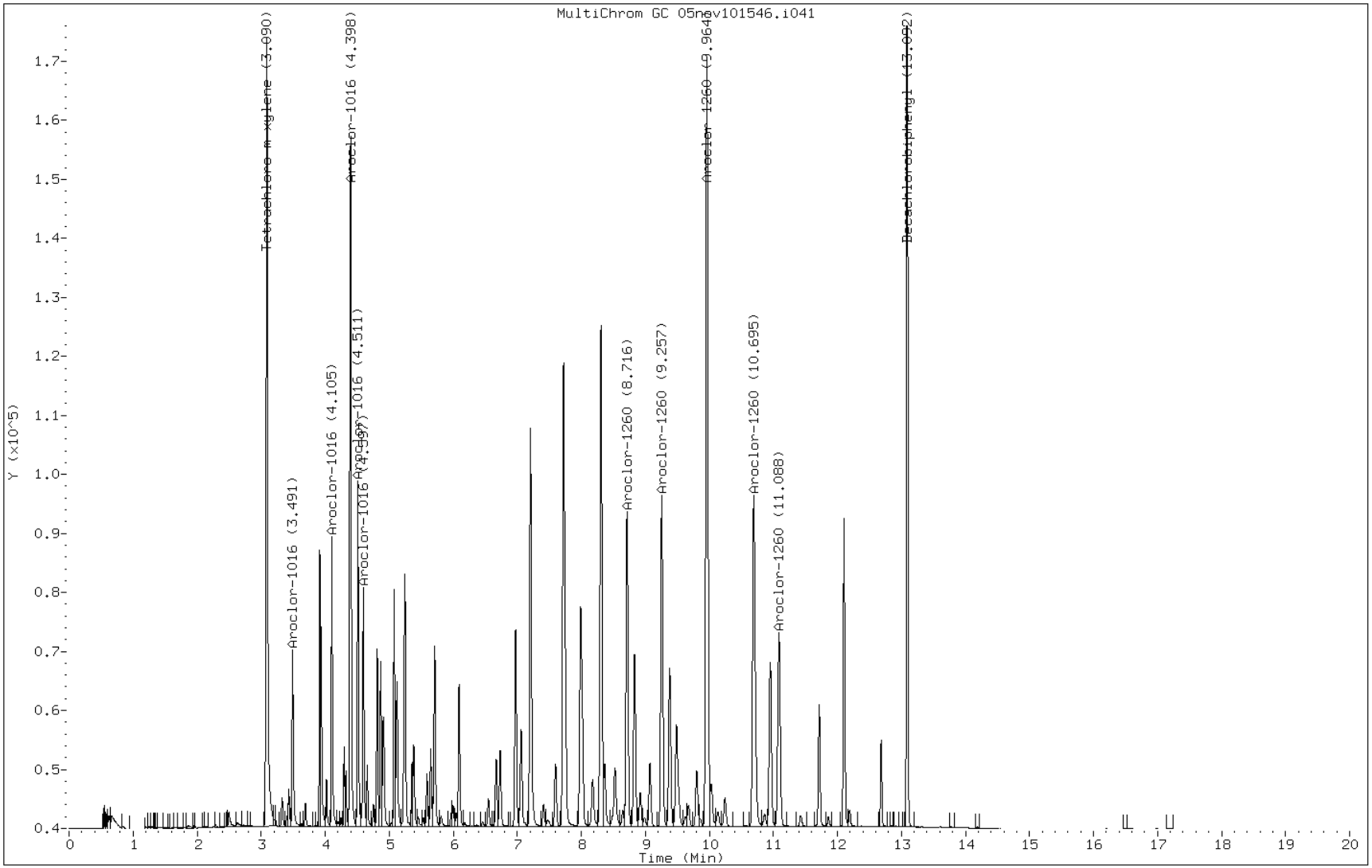
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.090	3.090	0.000	133611	36.7293	36.73	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.092	13.092	0.000	186726	35.3085	35.31	80.00- 120.00	100.00

Data File:	05nov101546-r041.d	Date:	05-NOV-2010 17:03
Client ID:	LCS 200-8617/2-B	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	LCS 200-8617/2-B		
Lab Sample ID:	LCS 200-8617/2-B		



Data File: 05nov101546-r041.d
Client ID: LCS 200-8617/2-B
Operator: DPD
Column Type:
Stationary Phase: RTX-5
Sample Info: LCS 200-8617/2-B

Date: 05-NOV-2010 17:03
Instrument: 7227_1.i
Inj Vol: 1.0
Diameter: 0.2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-8617/2-B

Matrix: Tissue Lab File ID: 05nov101546-r041.d

Analysis Method: 8082 Date Collected:

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.04(g) Date Analyzed: 11/05/2010 17:03

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	91		30-130
2051-24-3	DCB Decachlorobiphenyl	86		45-125

TestAmerica Burlington

Data file : /var/chem/7227_2.i/102210_1/05NOV101546.b/05nov101546-r041.d
Lab Smp Id: LCS 200-8617/2-B Client Smp ID: LCS 200-8617/2-B
Inj Date : 05-NOV-2010 17:03
Operator : DPD Inst ID: 7227_2.i
Smp Info : LCS 200-8617/2-B
Misc Info :
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:52 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

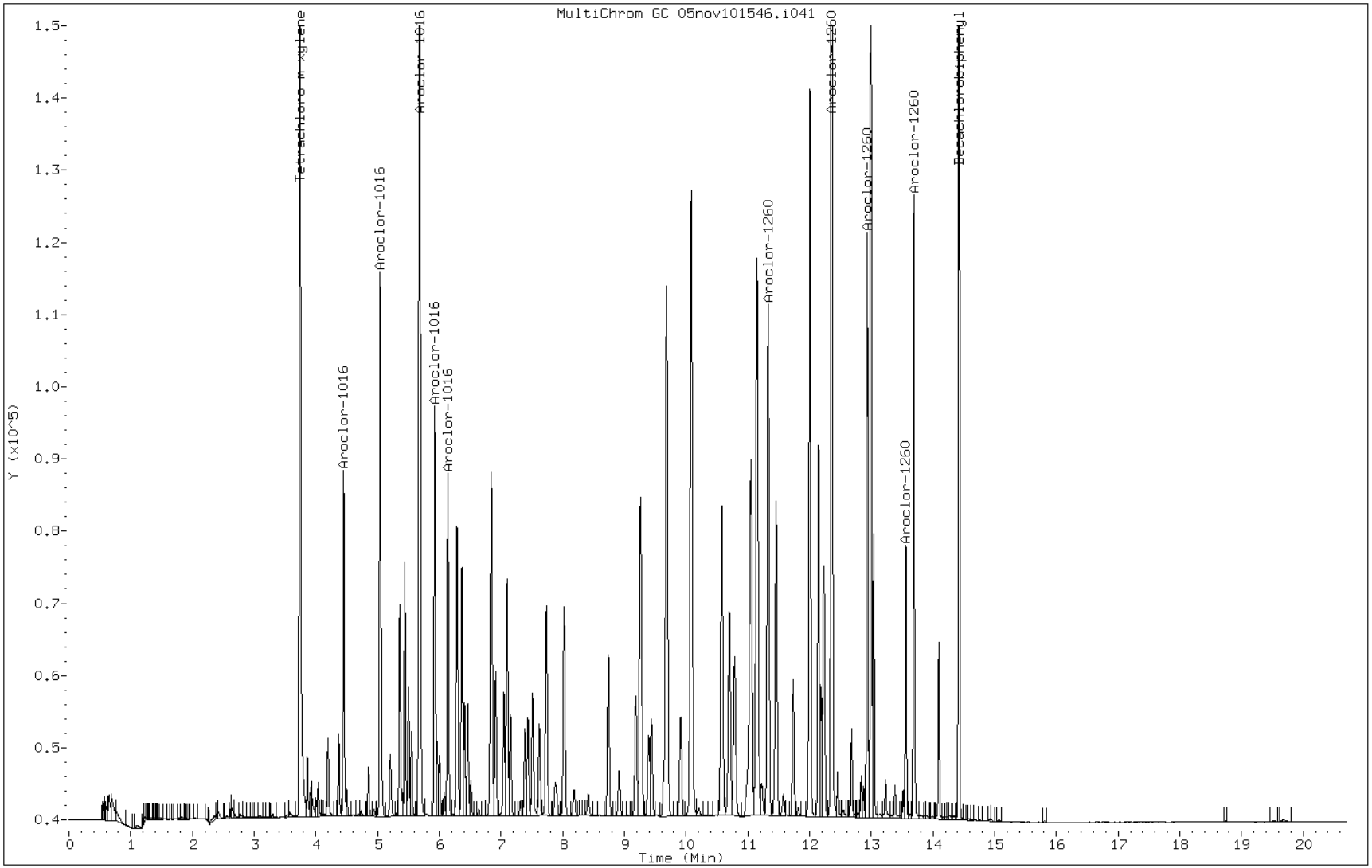
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.451	4.464	-0.013	47845	435.901	435.9	80.00- 120.00	100.00(M)
5.041	5.054	-0.013	75480	439.713	439.7	242.86- 282.86	157.76
5.684	5.697	-0.013	119806	454.896	454.9	231.90- 271.90	250.40
5.927	5.938	-0.011	56803	447.893	447.9	98.24- 138.24	118.72
6.140	6.151	-0.011	47400	450.331	450.3	94.08- 134.08	99.07
Average of Peak Concentrations =					445.7		
7 Aroclor-1260					CAS #: 11096-82-5		
11.329	11.343	-0.014	70826	436.885	436.9	80.00- 120.00	100.00
12.358	12.371	-0.013	242593	450.922	450.9	92.64- 132.64	342.52
12.934	12.945	-0.011	81104	430.832	430.8	69.99- 109.99	114.51
13.562	13.573	-0.011	37826	423.303	423.3	115.64- 155.64	53.41
13.688	13.701	-0.013	86368	418.543	418.5	57.50- 97.50	121.94
Average of Peak Concentrations =					432.1		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.740	3.753	-0.013	210274	36.2455	36.25	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.419	14.431	-0.012	230929	34.2865	34.29	80.00- 120.00	100.00

QC Flag Legend

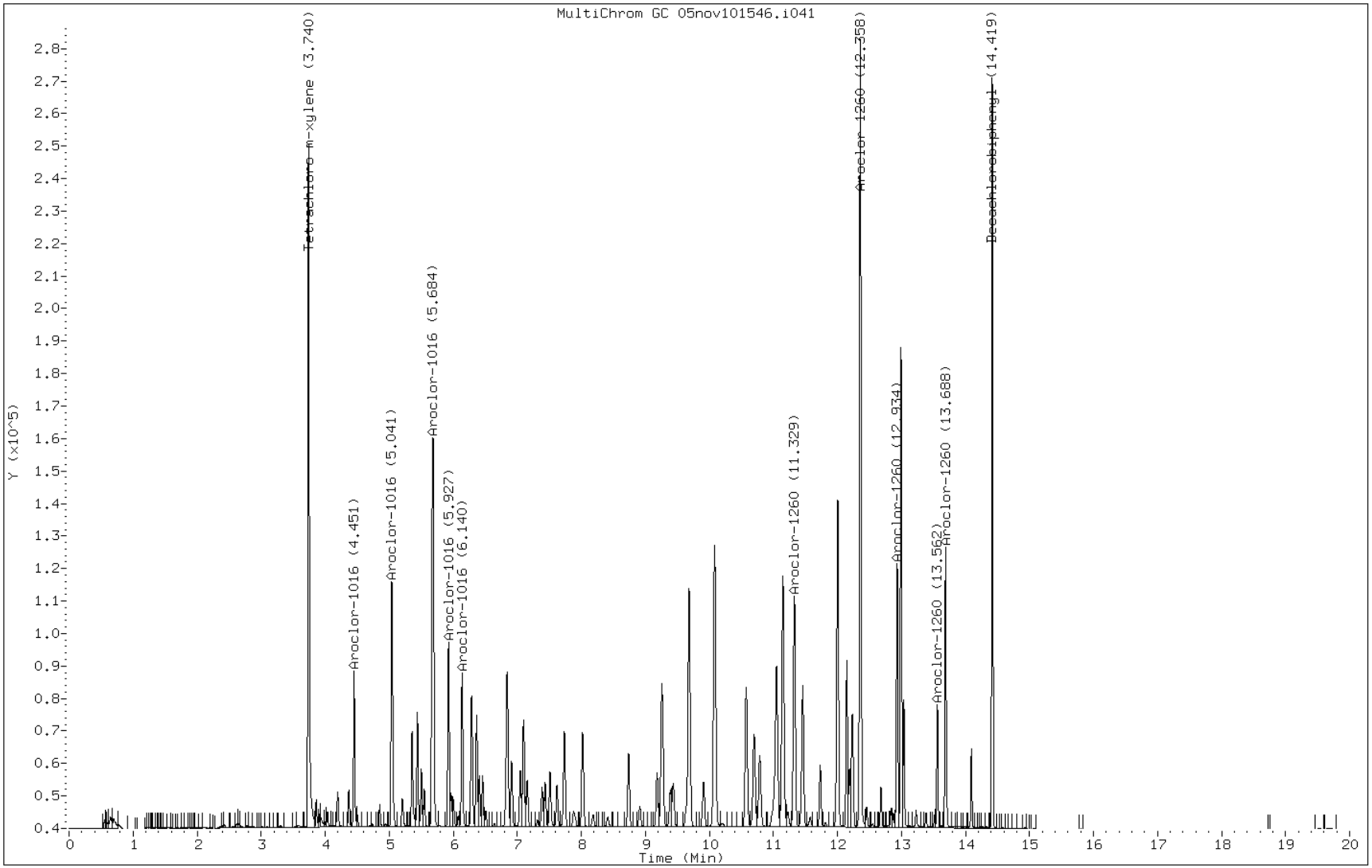
M - Compound response manually integrated.

Data File:	05nov101546-r041.d	Date:	05-NOV-2010 17:03
Client ID:	LCS 200-8617/2-B	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	LCS 200-8617/2-B		
Lab Sample ID:	LCS 200-8617/2-B		



Data File: 05nov101546-r041.d
Client ID: LCS 200-8617/2-B
Operator: DPD
Column Type:
Stationary Phase: RTX-35
Sample Info: LCS 200-8617/2-B

Date: 05-NOV-2010 17:03
Instrument: 7227_2.i
Inj Vol: 1.0
Diameter: 0.2



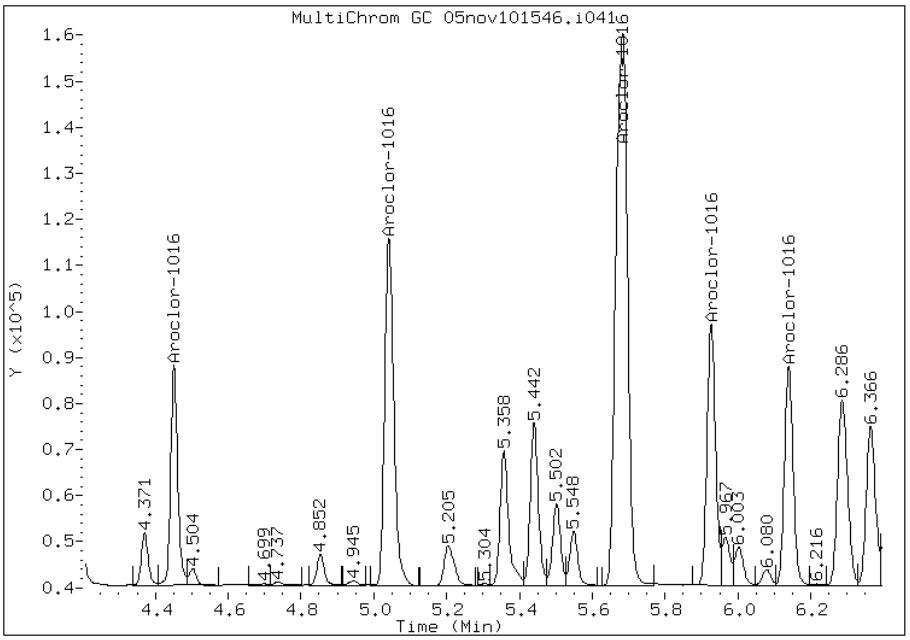
Manual Integration Report

Data File: 05nov101546-r041.d
Inj. Date and Time: 05-NOV-2010 17:03
Instrument ID: 7227_2.i
Client ID: LCS 200-8617/2-B
Compound: 1 Aroclor-1016
CAS #: 12674-11-2
Report Date: 11/10/2010

Processing Integration Results

RT	Response	Conc
4.45	47845	435.90
5.04	75379*	439.13
5.68	119761*	454.73
5.93	56806*	447.92
6.14	47400	450.33

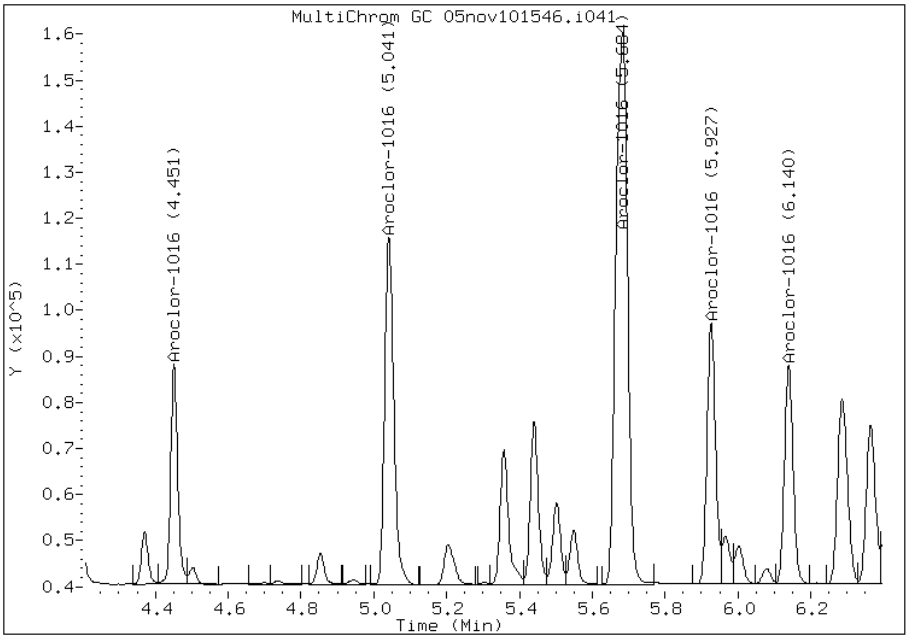
Final Conc		445.60



Manual Integration Results

RT	Response	Conc
4.45	47845	435.90
5.04	75480*	439.71
5.68	119806*	454.90
5.93	56803*	447.89
6.14	47400	450.33

Final Conc		445.70



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 200-10336/2-C

Matrix: Tissue | Lab File ID: 15dec101459-r021.d

Analysis Method: 8082 | Date Collected:

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.04(g) | Date Analyzed: 12/15/2010 21:56

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	415		20	10
11104-28-2	PCB-1221	20	U	20	10
11141-16-5	PCB-1232	20	U	20	10
53469-21-9	PCB-1242	20	U	20	10
12672-29-6	PCB-1248	20	U	20	10
11097-69-1	PCB-1254	20	U	20	10
11096-82-5	PCB-1260	439		20	10
37324-23-5	PCB-1262	20	U	20	10
11100-14-4	PCB-1268	20	U	20	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	96	E	30-130
2051-24-3	DCB Decachlorobiphenyl	96	E	45-125

TestAmerica Burlington

Data file : /var/chem/3283_1.i/121510_1/15DEC101459.b/15dec101459-r021.d
Lab Smp Id: LCS 200-10336_2-C
Inj Date : 15-DEC-2010 21:56
Operator : DPD Inst ID: 3283_1.i
Smp Info : LCS 200-10336_2-C
Misc Info : LCS 200-10336_2-C
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 08:03 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

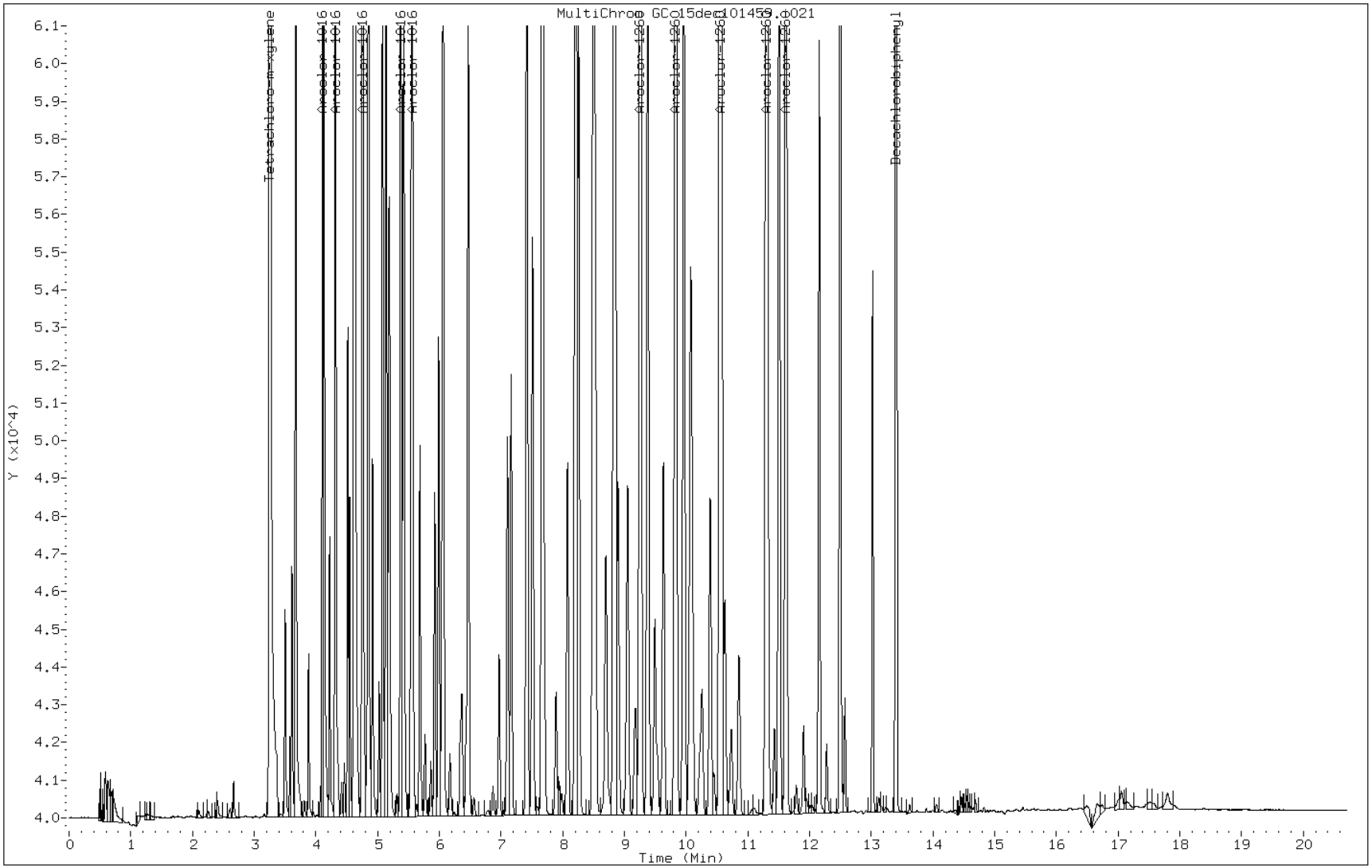
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.110	4.107	0.003	49255	1019.60	1020	80.00- 120.00	100.00(AR)
4.314	4.314	0.000	51315	1040.39	1040	242.86- 282.86	104.18
4.753	4.753	0.000	59001	1066.40	1066	231.90- 271.90	119.79
5.375	5.375	0.000	38066	1028.50	1028	98.24- 138.24	77.28
5.559	5.559	0.000	40020	1051.21	1051	94.08- 134.08	81.25
		Average of Peak Concentrations =			1041		
7 Aroclor-1260					CAS #: 11096-82-5		
9.255	9.257	-0.002	49054	1044.02	1044	80.00- 120.00	100.00(AR)
9.831	9.833	-0.002	51943	1087.67	1088	92.64- 132.64	105.89
10.556	10.558	-0.002	125867	1182.07	1182	69.99- 109.99	256.59
11.303	11.305	-0.002	64388	1125.77	1126	115.64- 155.64	131.26
11.615	11.618	-0.003	37127	1068.56	1069	57.50- 97.50	75.69
		Average of Peak Concentrations =			1102		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.256	3.254	0.002	163410	96.3373	96.34	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.402	13.402	0.000	201668	96.3993	96.40	80.00- 120.00	100.00(AR)

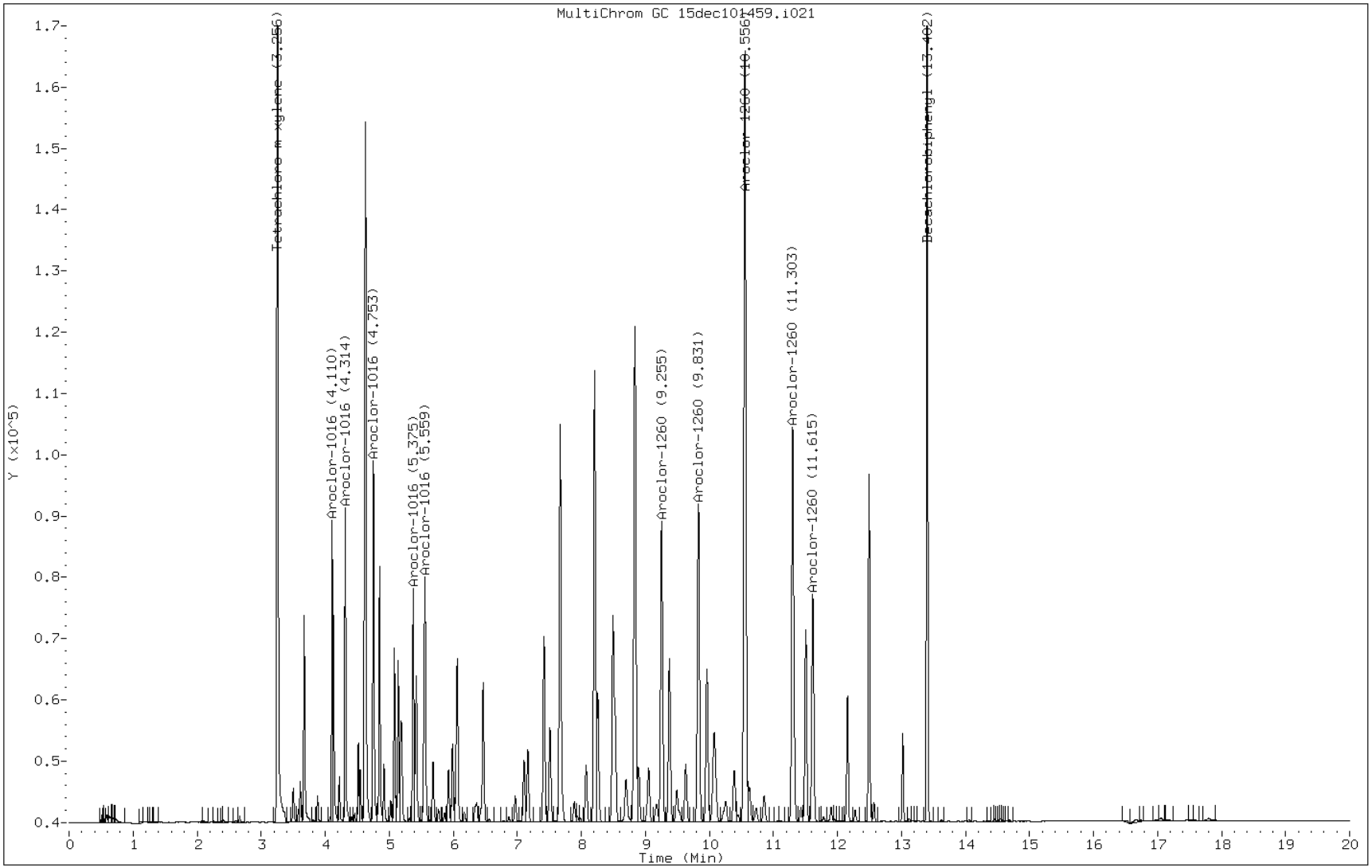
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r021.d	Date:	15-DEC-2010 21:56
Client ID:		Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	LCS 200-10336_2-C		
Lab Sample ID:	LCS 200-10336_2-C		



Data File:	15dec101459-r021.d	Date:	15-DEC-2010 21:56
Client ID:		Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	LCS 200-10336_2-C		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-10336/2-C

Matrix: Tissue Lab File ID: 15dec101459-r021.d

Analysis Method: 8082 Date Collected:

Extraction Method: In-House Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.04(g) Date Analyzed: 12/15/2010 21:56

Con. Extract Vol.: 4000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	95	*E*	30-130
2051-24-3	DCB Decachlorobiphenyl	94	*E*	45-125

TestAmerica Burlington

Data file : /var/chem/3283_2.i/121510_1/15DEC101459.b/15dec101459-r021.d
Lab Smp Id: LCS 200-10336_2-C
Inj Date : 15-DEC-2010 21:56
Operator : DPD Inst ID: 3283_2.i
Smp Info : LCS 200-10336_2-C
Misc Info : LCS 200-10336_2-C
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 09:00 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

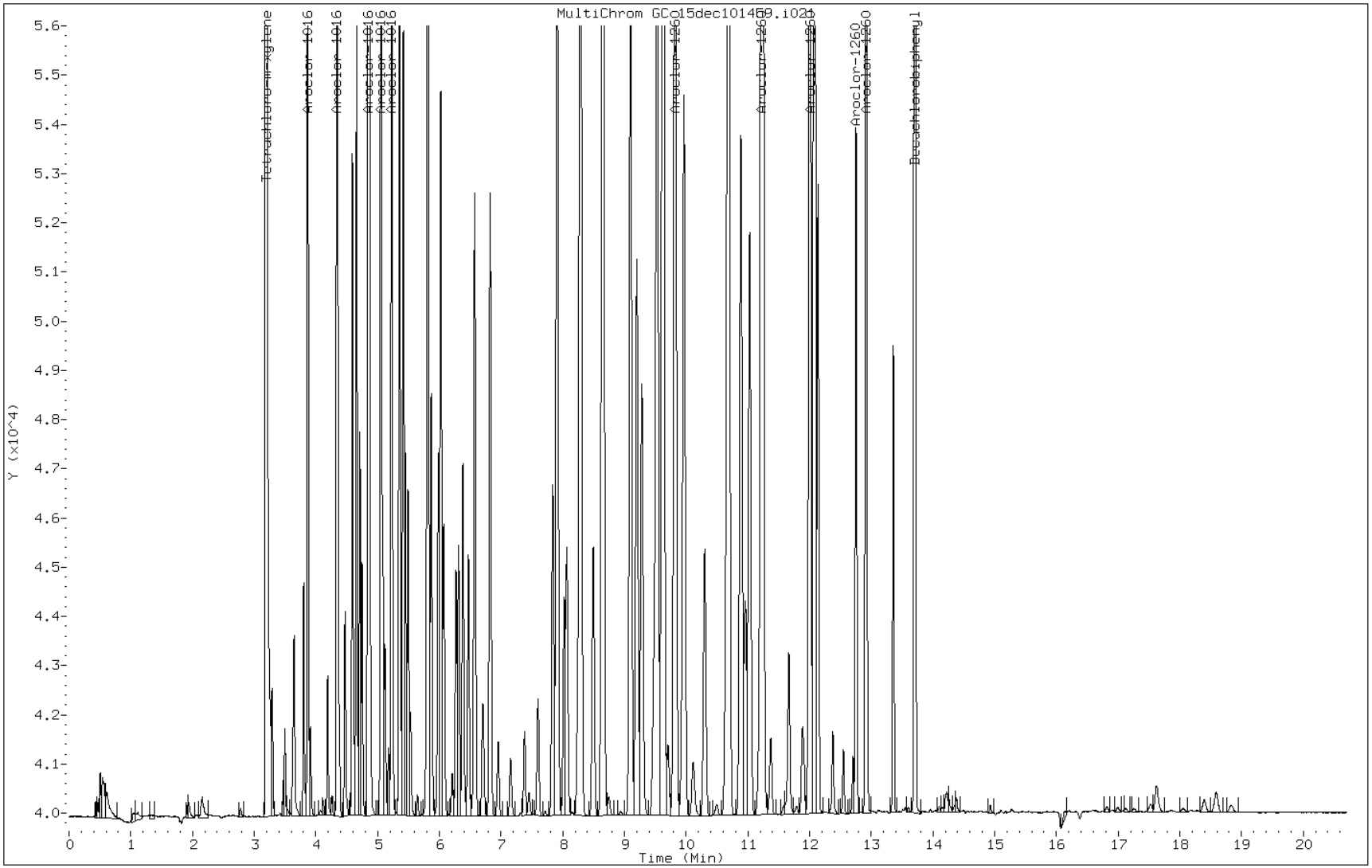
				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
3.868	3.861	0.007	23437	975.292	975.3	80.00- 120.00	100.00(AR)
4.342	4.336	0.006	44868	1012.67	1013	242.86- 282.86	191.44
4.854	4.848	0.006	83531	1104.16	1104	231.90- 271.90	356.41
5.056	5.047	0.009	28962	1023.70	1024	98.24- 138.24	123.57
5.227	5.220	0.007	23632	1051.14	1051	94.08- 134.08	100.83
Average of Peak Concentrations =					1033		
7 Aroclor-1260					CAS #: 11096-82-5		
9.820	9.815	0.005	26847	1007.97	1008	80.00- 120.00	100.00(AR)
11.230	11.227	0.003	81245	1133.91	1134	92.64- 132.64	302.62
12.008	12.001	0.007	25410	1012.39	1012	69.99- 109.99	94.65
12.752	12.748	0.004	13920	984.911	984.9	115.64- 155.64	51.85
12.914	12.908	0.006	36780	1071.00	1071	57.50- 97.50	137.00
Average of Peak Concentrations =					1042		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.196	3.190	0.006	108089	94.4923	94.49	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.706	13.699	0.007	126524	94.0297	94.03	80.00- 120.00	100.00(AR)

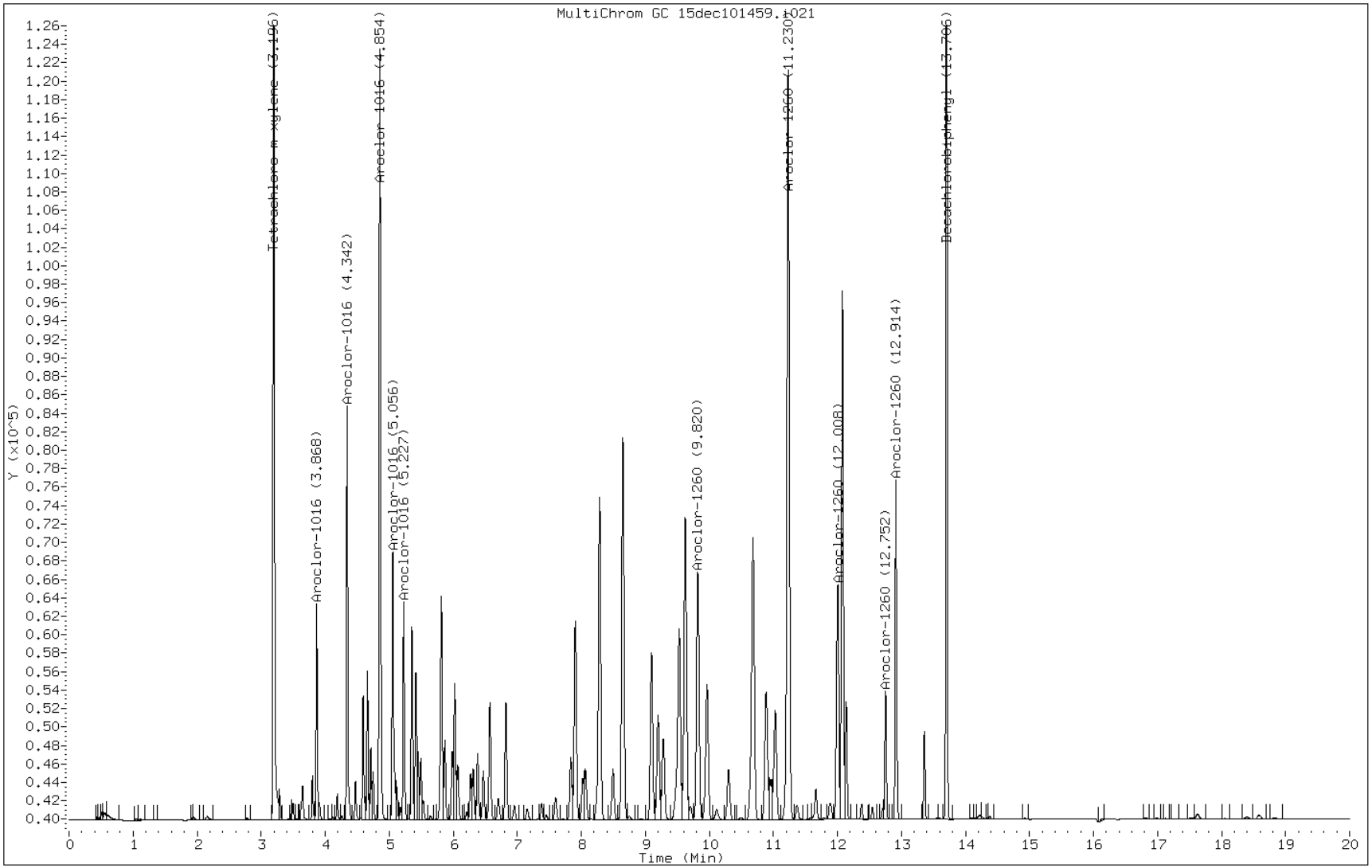
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r021.d	Date:	15-DEC-2010 21:56
Client ID:		Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	LCS 200-10336_2-C		
Lab Sample ID:	LCS 200-10336_2-C		



Data File:	15dec101459-r021.d	Date:	15-DEC-2010 21:56
Client ID:		Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	LCS 200-10336_2-C		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RVG10-02 MS | Lab Sample ID: 200-2079-4 MS

Matrix: Tissue | Lab File ID: 09nov101450-r291.d

Analysis Method: 8082 | Date Collected: 10/19/2010 12:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.58(g) | Date Analyzed: 11/10/2010 02:30

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9333 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	441		48	24
11104-28-2	PCB-1221	48	U	48	24
11141-16-5	PCB-1232	48	U	48	24
53469-21-9	PCB-1242	48	U	48	24
12672-29-6	PCB-1248	48	U	48	24
11097-69-1	PCB-1254	48	U	48	24
11096-82-5	PCB-1260	436		48	24
37324-23-5	PCB-1262	48	U	48	24
11100-14-4	PCB-1268	48	U	48	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	99		30-130
2051-24-3	DCB Decachlorobiphenyl	84		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-4 MS
Client Smp ID: RVG10-02
Inj Date : 10-NOV-2010 02:30
Operator : SLD Inst ID: 7227_1.i
Smp Info : 200-2079-A-4-Y MS
Misc Info : 200-2079-A-4-Y MS
Comment :
Method : /var/chem/7227_1.i/102210_1/09NOV101450.b/8082_RTX5.m
Meth Date : 10-Nov-2010 08:11 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 07:20 Cal File: 22oct102021-r281.d
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

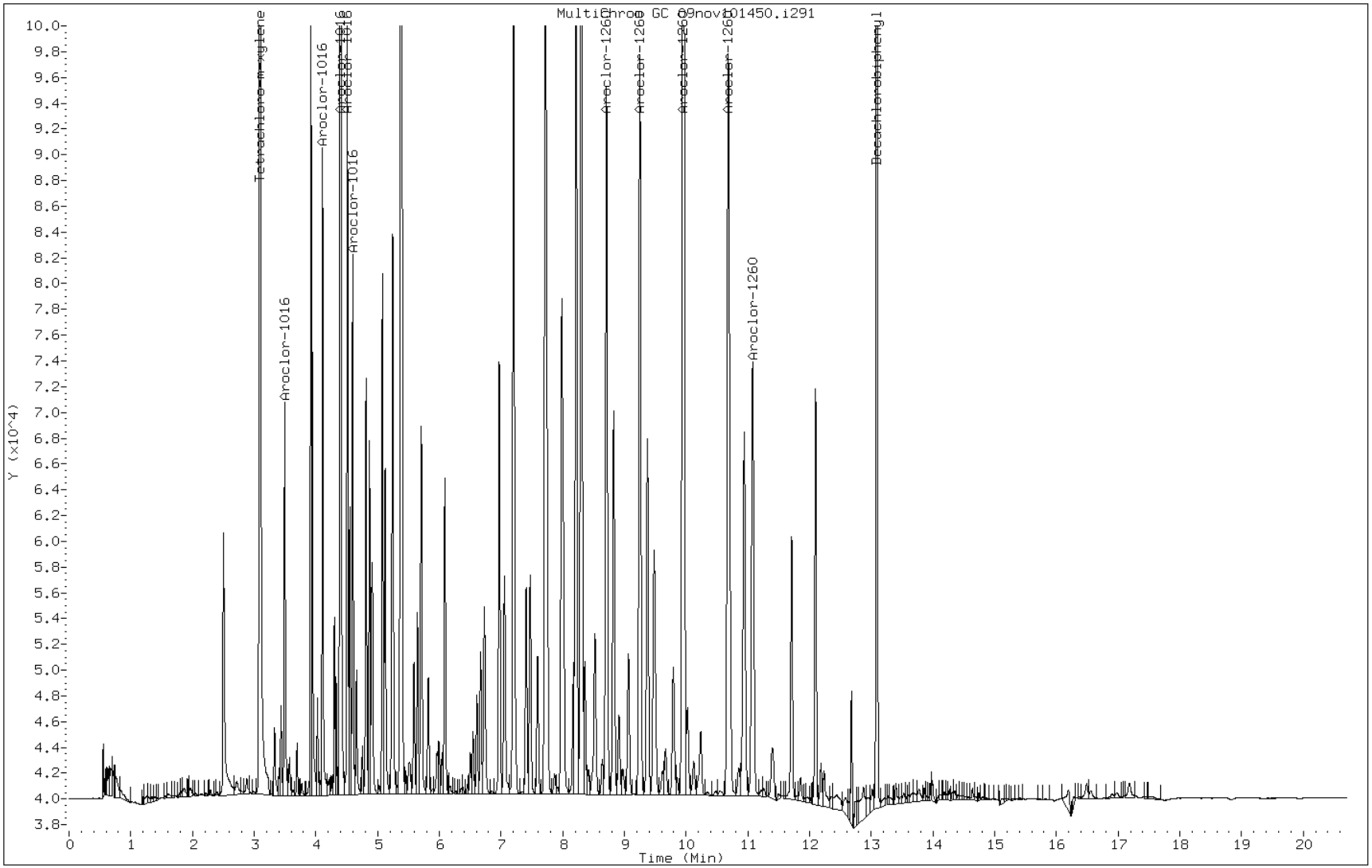
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
3.496	3.502	-0.006	30580	444.899	444.9	80.00- 120.00	100.00(M)
4.107	4.114	-0.007	50234	453.679	453.7	242.86- 282.86	164.27
4.400	4.409	-0.009	116981	482.028	482.0	231.90- 271.90	382.54
4.511	4.520	-0.009	60784	467.658	467.7	98.24- 138.24	198.77
4.597	4.606	-0.009	41903	484.871	484.9	94.08- 134.08	137.03
Average of Peak Concentrations =					466.6		
7 Aroclor-1260					CAS #: 11096-82-5		
8.709	8.720	-0.011	54873	457.971	458.0	80.00- 120.00	100.00(M)
9.248	9.261	-0.013	57412	455.390	455.4	92.64- 132.64	104.63
9.953	9.968	-0.015	137675	490.409	490.4	69.99- 109.99	250.90
10.682	10.698	-0.016	57563	466.891	466.9	115.64- 155.64	104.90
11.079	11.092	-0.013	33648	434.841	434.8	57.50- 97.50	61.32
Average of Peak Concentrations =					461.1		

				CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
RT	EXP RT	DLT RT	RESPONSE				
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.094	3.101	-0.007	143663	39.4926	39.49	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.087	13.098	-0.011	177601	33.5830	33.58	80.00- 120.00	100.00

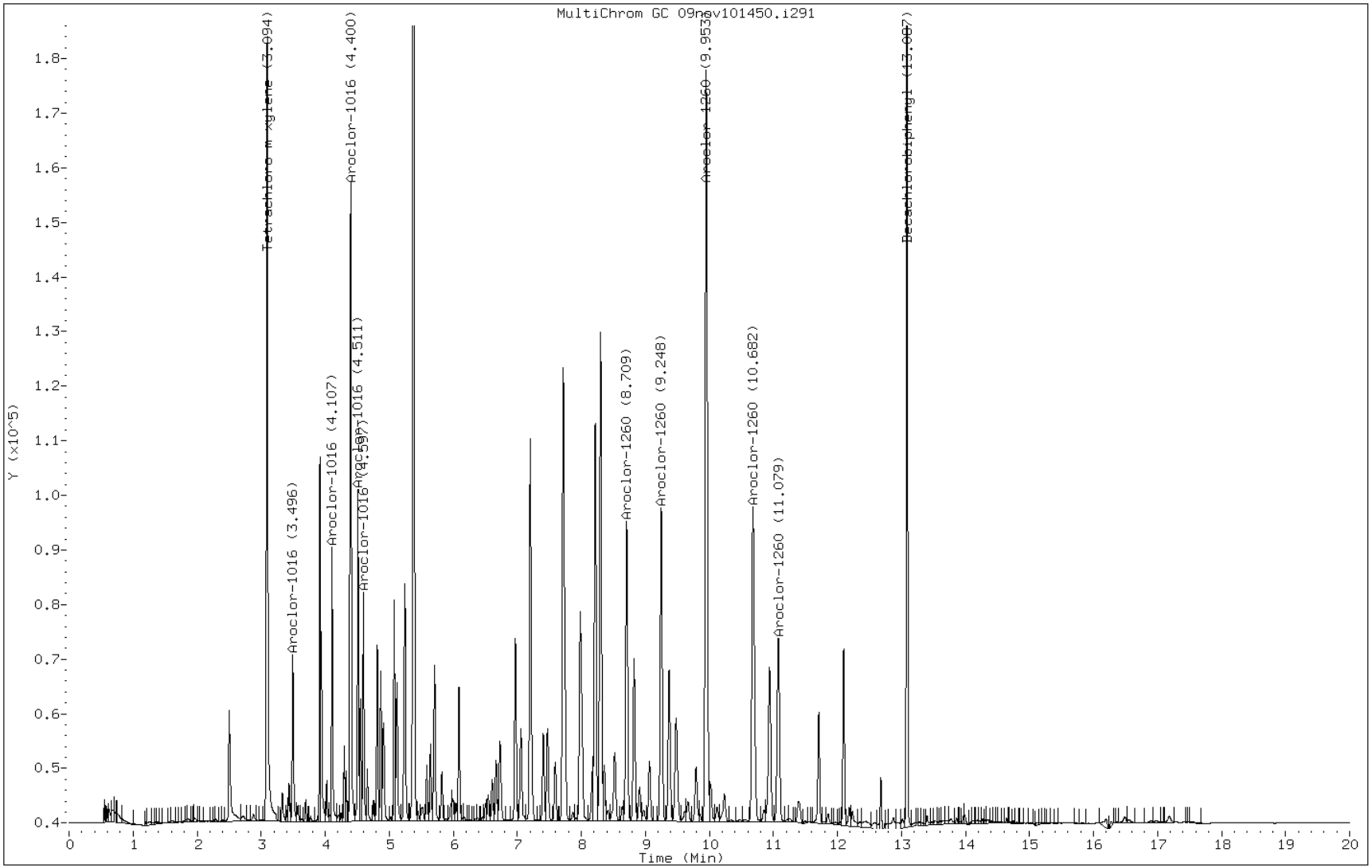
QC Flag Legend

M - Compound response manually integrated.

Data File:	09nov101450-r291.d	Date:	10-NOV-2010 02:30
Client ID:	RVG10-02	Instrument:	7227_1.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-4-Y MS		
Lab Sample ID:	200-2079-4 MS		



Data File:	09nov101450-r291.d	Date:	10-NOV-2010 02:30
Client ID:	RVG10-02	Instrument:	7227_1.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-4-Y MS		



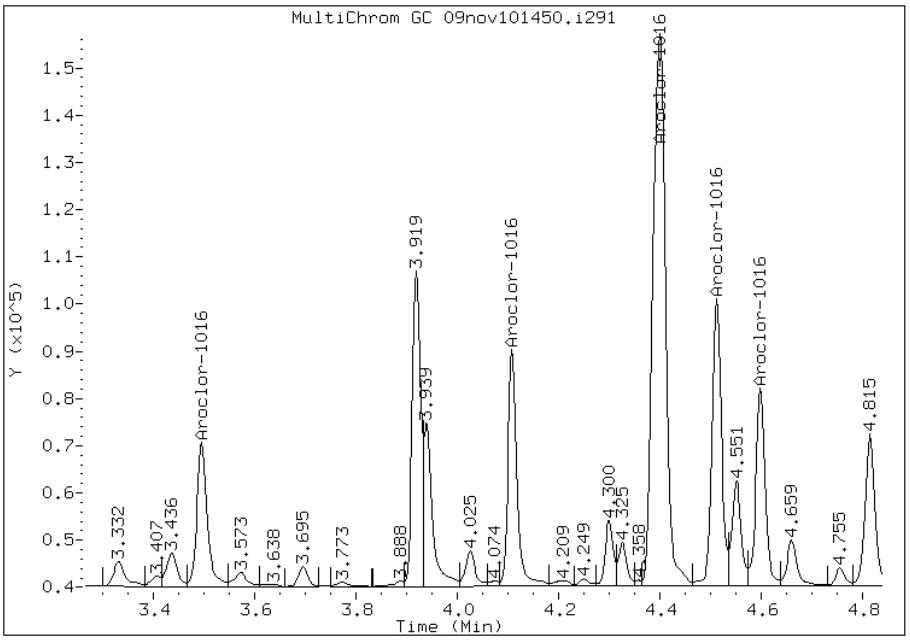
Manual Integration Report

Data File: 09nov101450-r291.d
Inj. Date and Time: 10-NOV-2010 02:30
Instrument ID: 7227_1.i
Client ID: RVG10-02
Compound: 1 Aroclor-1016
CAS #: 12674-11-2
Report Date: 11/10/2010

Processing Integration Results

RT	Response	Conc
3.50	30393*	442.18
4.11	50054*	452.05
4.40	116842*	481.45
4.51	60660*	466.70
4.60	41791*	483.57

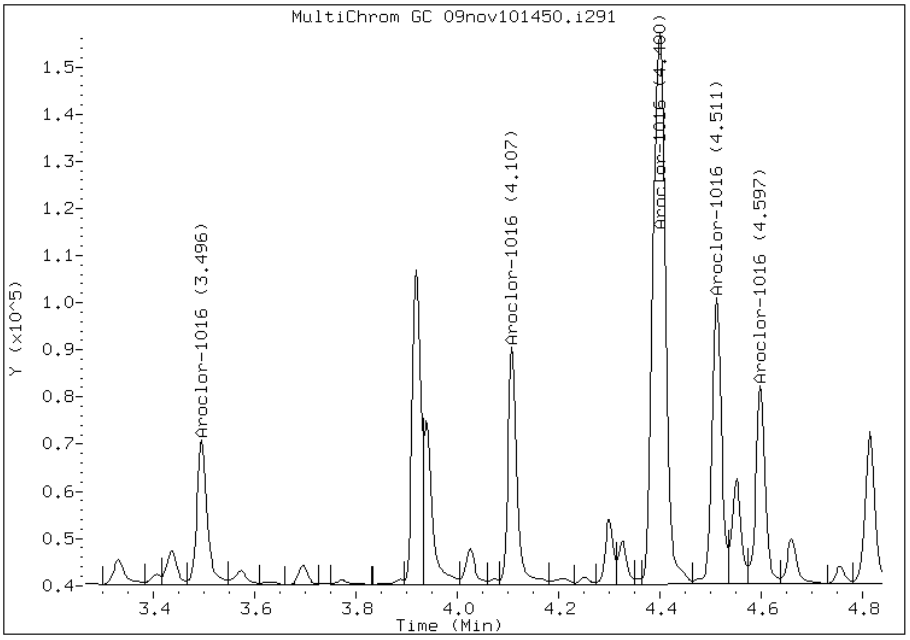
Final Conc		465.20



Manual Integration Results

RT	Response	Conc
3.50	30580*	444.90
4.11	50234*	453.68
4.40	116981*	482.03
4.51	60784*	467.66
4.60	41903*	484.87

Final Conc		466.60



File Uploaded By: sld
Manual Integration Reason: Baseline event

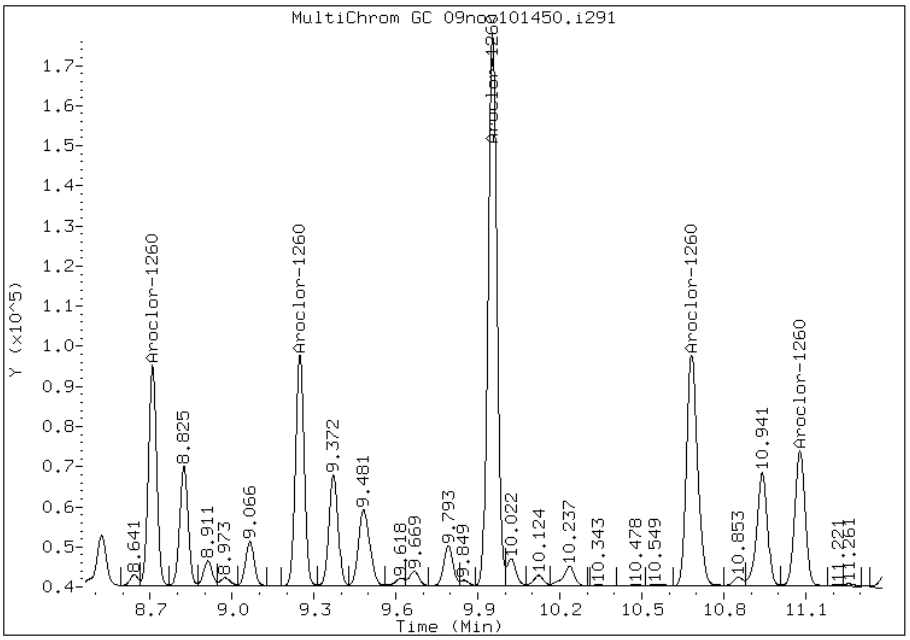
Manual Integration Report

Data File: 09nov101450-r291.d
Inj. Date and Time: 10-NOV-2010 02:30
Instrument ID: 7227_1.i
Client ID: RVG10-02
Compound: 7 Aroclor-1260
CAS #: 11096-82-5
Report Date: 11/10/2010

Processing Integration Results

RT	Response	Conc
8.71	54809*	457.44
9.25	57411*	455.38
9.95	137675	490.41
10.68	57563	466.89
11.08	33648	434.84

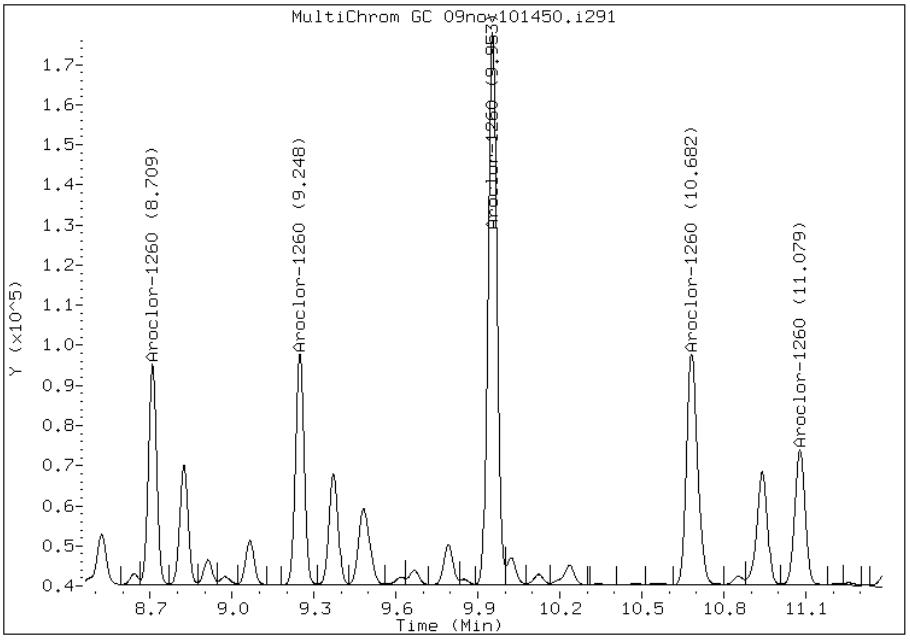
Final Conc		461.00



Manual Integration Results

RT	Response	Conc
8.71	54873*	457.97
9.25	57412*	455.39
9.95	137675	490.41
10.68	57563	466.89
11.08	33648	434.84

Final Conc		461.10



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RVG10-02 MS Lab Sample ID: 200-2079-4 MS

Matrix: Tissue Lab File ID: 09nov101450-r291.d

Analysis Method: 8082 Date Collected: 10/19/2010 12:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.58(g) Date Analyzed: 11/10/2010 02:30

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9333 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	88		30-130
2051-24-3	DCB Decachlorobiphenyl	87		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-4 MS
Client Smp ID: RVG10-02
Inj Date : 10-NOV-2010 02:30
Operator : SLD Inst ID: 7227_2.i
Smp Info : 200-2079-A-4-Y MS
Misc Info : 200-2079-A-4-Y MS
Comment :
Method : /var/chem/7227_2.i/102210_1/09NOV101450.b/8082_RTX35.m
Meth Date : 10-Nov-2010 09:28 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

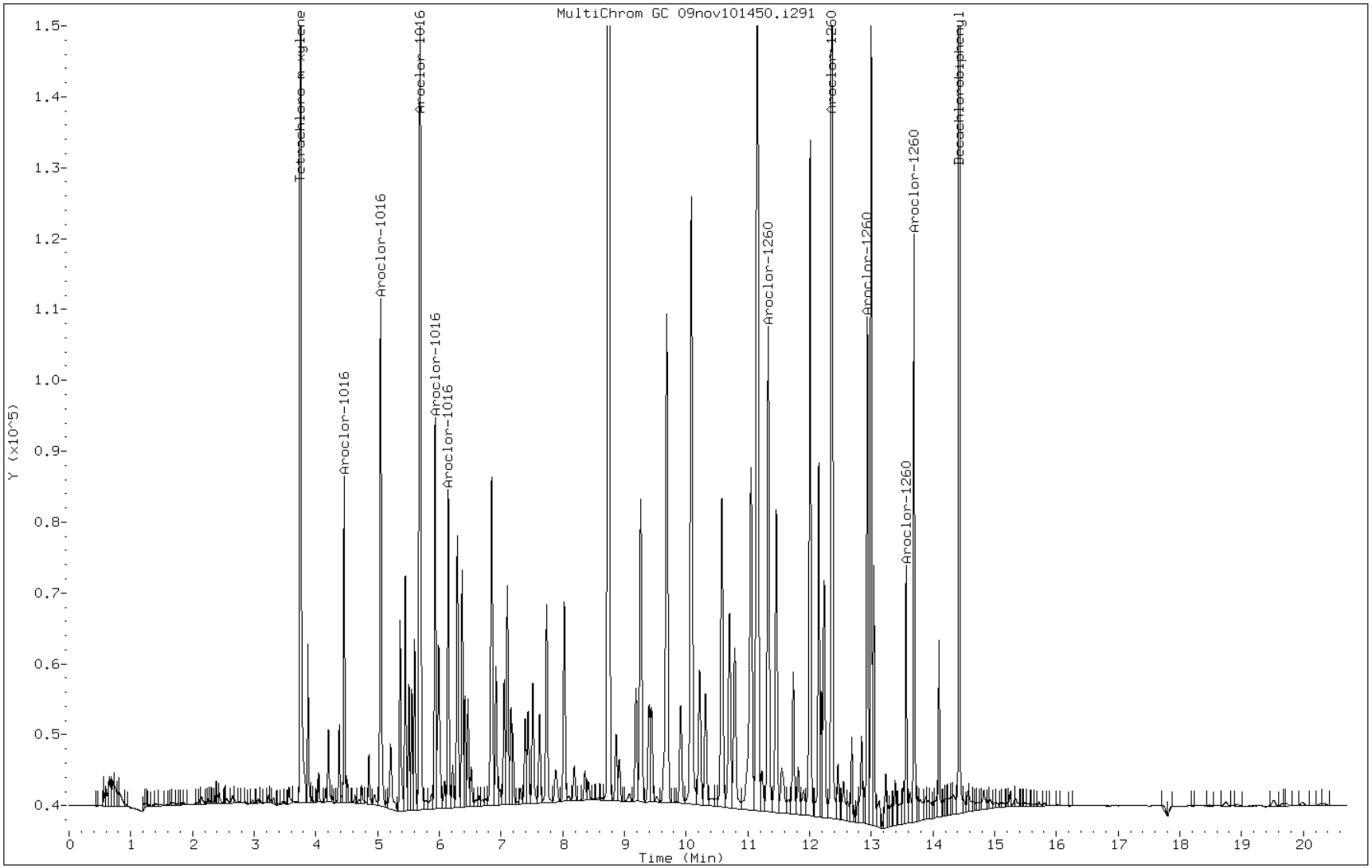
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

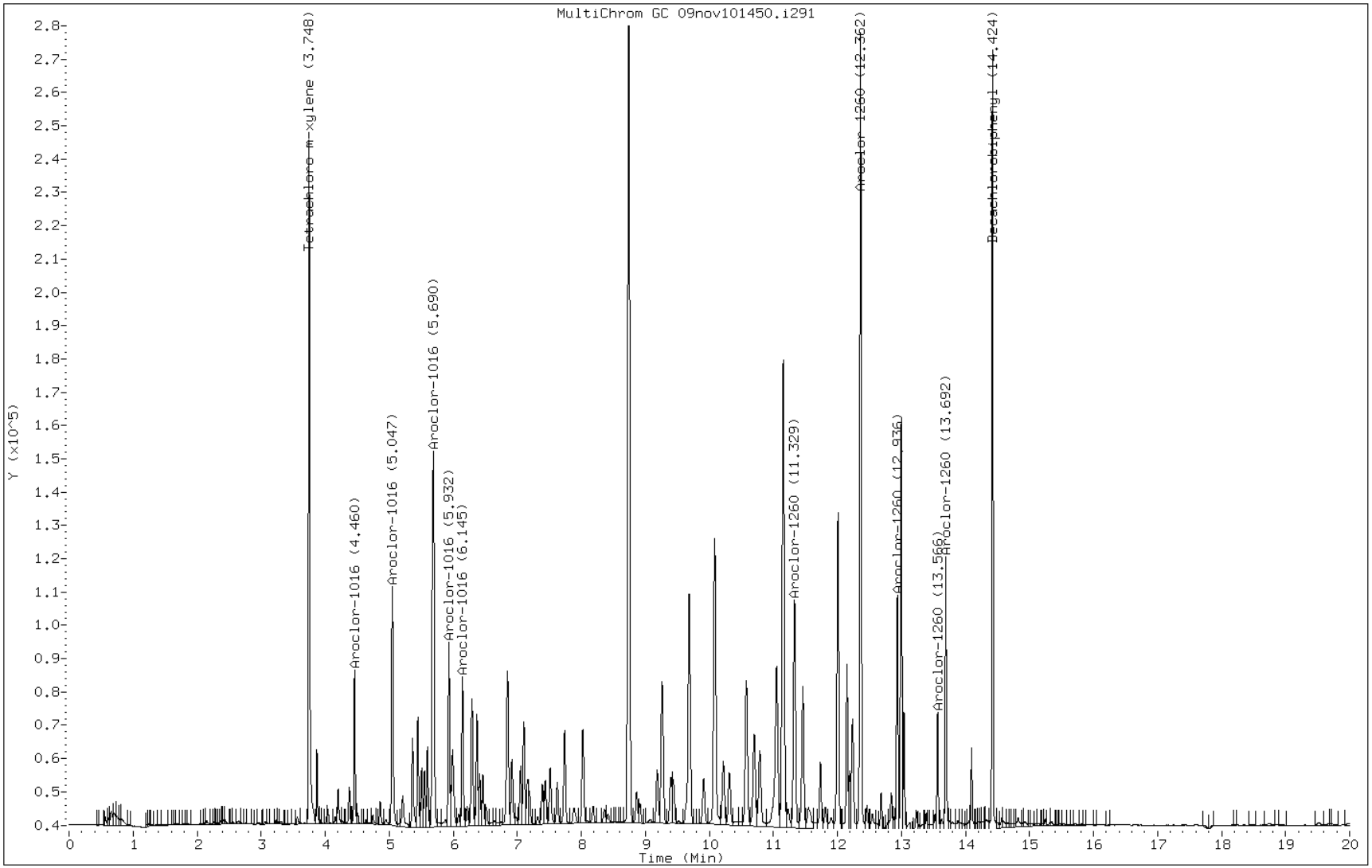
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.460	4.464	-0.004	45998	419.073	419.1	80.00- 120.00	100.00
5.047	5.054	-0.007	71593	417.069	417.1	242.86- 282.86	155.64
5.690	5.697	-0.007	112738	428.059	428.1	231.90- 271.90	245.09
5.932	5.938	-0.006	55229	435.482	435.5	98.24- 138.24	120.07
6.145	6.151	-0.006	44980	427.339	427.3	94.08- 134.08	97.79
Average of Peak Concentrations =					425.4		
7 Aroclor-1260					CAS #: 11096-82-5		
11.329	11.338	-0.009	68499	422.531	422.5	80.00- 120.00	100.00
12.362	12.369	-0.007	239654	445.459	445.5	92.64- 132.64	349.86
12.936	12.945	-0.009	71629	380.500	380.5	69.99- 109.99	104.57
13.566	13.573	-0.007	36443	407.826	407.8	115.64- 155.64	53.20
13.692	13.699	-0.007	82852	401.504	401.5	57.50- 97.50	120.95
Average of Peak Concentrations =					411.6		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.748	3.753	-0.005	205202	35.3713	35.37	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.424	14.431	-0.007	233814	34.7149	34.71	80.00- 120.00	100.00

Data File:	09nov101450-r291.d	Date:	10-NOV-2010 02:30
Client ID:	RVG10-02	Instrument:	7227_2.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-4-Y MS		
Lab Sample ID:	200-2079-4 MS		



Data File:	09nov101450-r291.d	Date:	10-NOV-2010 02:30
Client ID:	RVG10-02	Instrument:	7227_2.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-4-Y MS		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB10-01 MS | Lab Sample ID: 200-2079-12 MS

Matrix: Tissue | Lab File ID: 05nov101546-r221.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 9.98(g) | Date Analyzed: 11/06/2010 00:20

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	475		51	26
11104-28-2	PCB-1221	51	U	51	26
11141-16-5	PCB-1232	51	U	51	26
53469-21-9	PCB-1242	51	U	51	26
12672-29-6	PCB-1248	51	U	51	26
11097-69-1	PCB-1254	51	U	51	26
11096-82-5	PCB-1260	436		51	26
37324-23-5	PCB-1262	51	U	51	26
11100-14-4	PCB-1268	51	U	51	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	99		30-130
2051-24-3	DCB Decachlorobiphenyl	88		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-12 MS
Client Smp ID: RLB10-01
Inj Date : 06-NOV-2010 00:20
Operator : DPD Inst ID: 7227_1.i
Smp Info : 200-2079-A-12-U MS
Misc Info : 200-2079-A-12-U MS
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 11:05 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

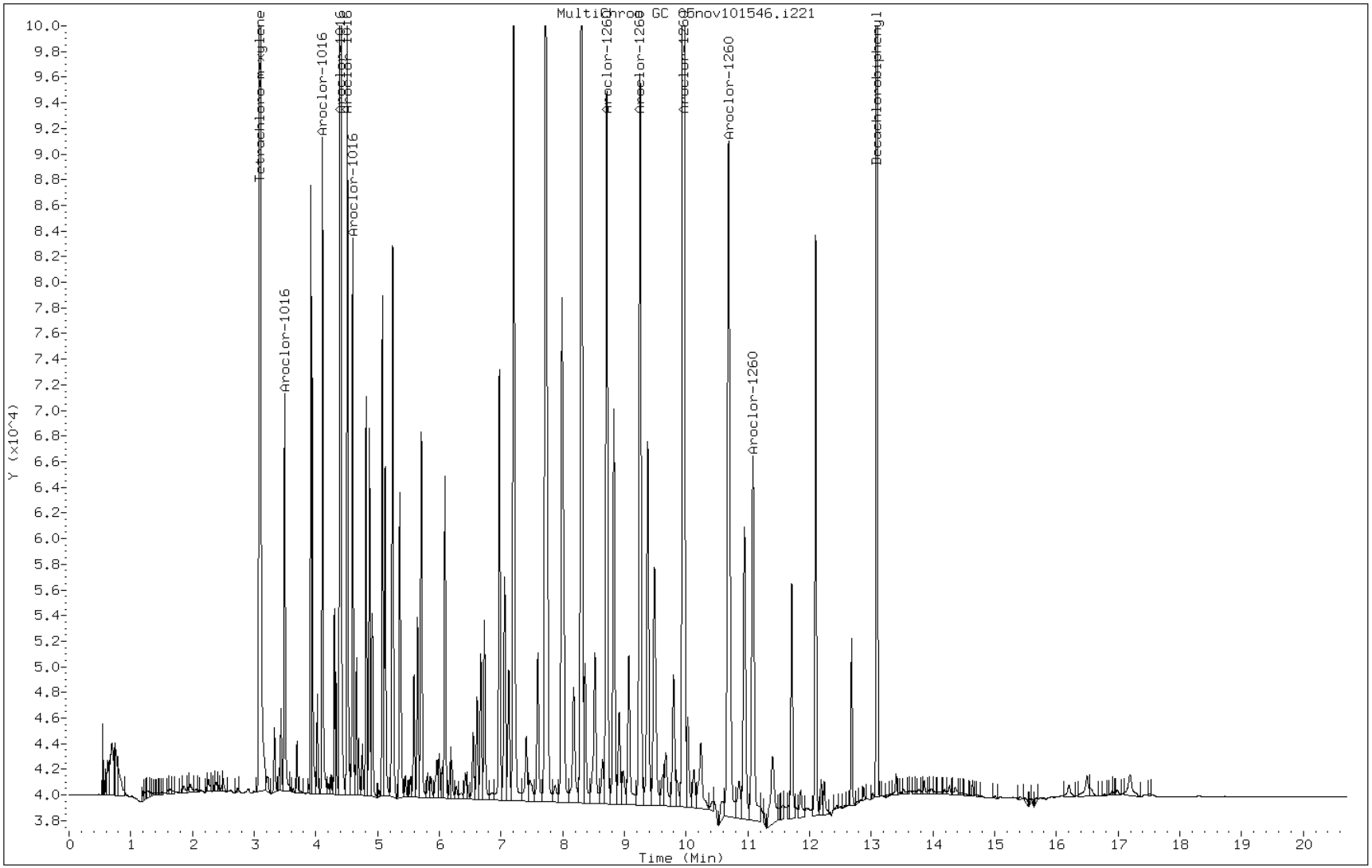
				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
3.496	3.493	0.003	31026	451.387	451.4	80.00- 120.00	100.00
4.107	4.105	0.002	51203	462.431	462.4	242.86- 282.86	165.03
4.400	4.398	0.002	117536	484.315	484.3	231.90- 271.90	378.83
4.511	4.511	0.000	61210	470.936	470.9	98.24- 138.24	197.29
4.597	4.597	0.000	43434	502.586	502.6	94.08- 134.08	139.99
Average of Peak Concentrations =					474.3		
7 Aroclor-1260					CAS #: 11096-82-5		
8.714	8.716	-0.002	55580	463.872	463.9	80.00- 120.00	100.00(M)
9.255	9.259	-0.004	57050	452.518	452.5	92.64- 132.64	102.64
9.957	9.964	-0.007	129652	461.830	461.8	69.99- 109.99	233.27
10.687	10.695	-0.008	52706	427.496	427.5	115.64- 155.64	94.83
11.083	11.090	-0.007	28483	368.093	368.1	57.50- 97.50	51.25
Average of Peak Concentrations =					434.8		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.092	3.090	0.002	143876	39.5511	39.55	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.089	13.092	-0.003	186036	35.1780	35.18	80.00- 120.00	100.00

QC Flag Legend

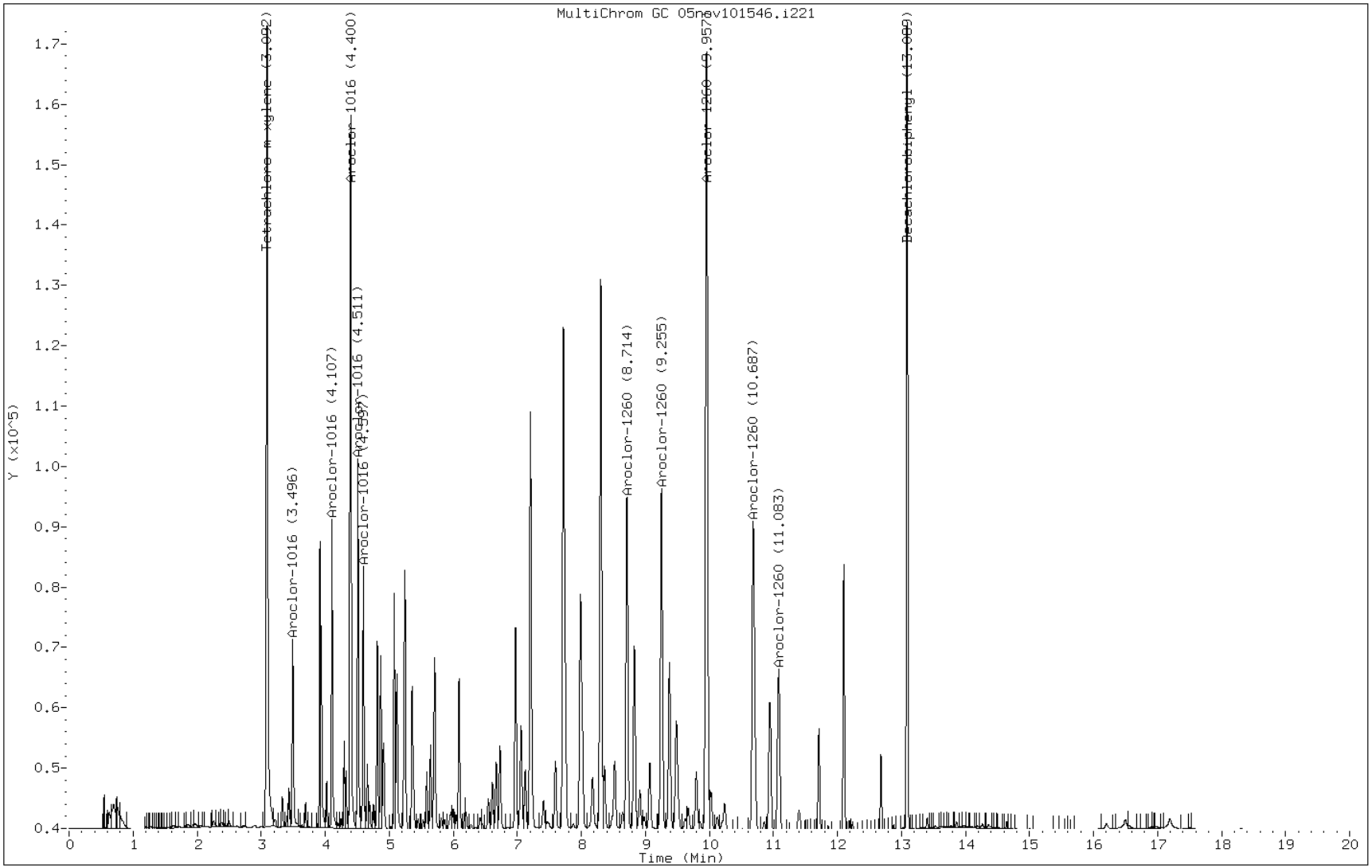
M - Compound response manually integrated.

Data File:	05nov101546-r221.d	Date:	06-NOV-2010 00:20
Client ID:	RLB10-01	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-12-U MS		
Lab Sample ID:	200-2079-12 MS		



Data File: 05nov101546-r221.d
Client ID: RLB10-01
Operator: DPD
Column Type:
Stationary Phase: RTX-5
Sample Info: 200-2079-A-12-U MS

Date: 06-NOV-2010 00:20
Instrument: 7227_1.i
Inj Vol: 1.0
Diameter: 0.2



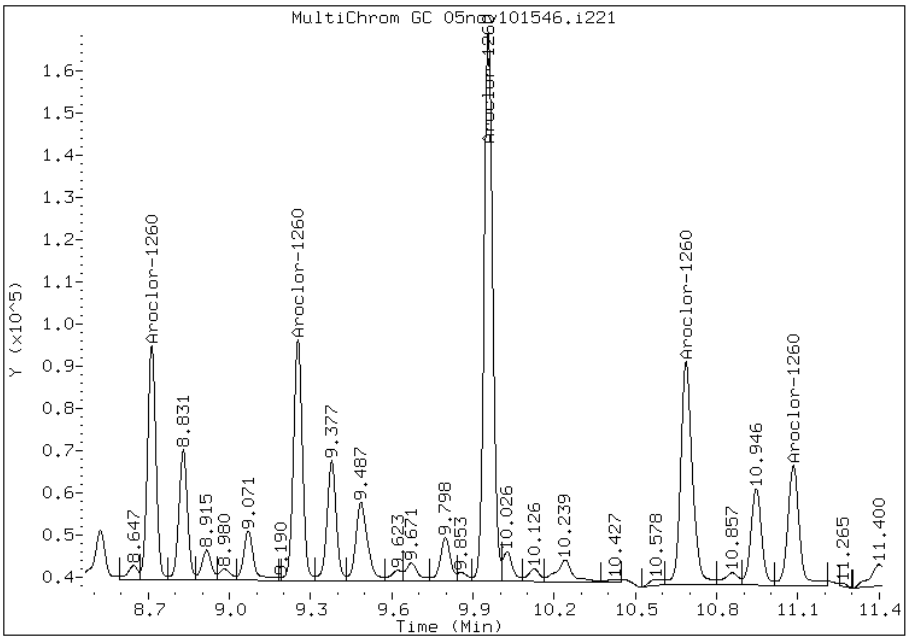
Manual Integration Report

Data File: 05nov101546-r221.d
Inj. Date and Time: 06-NOV-2010 00:20
Instrument ID: 7227_1.i
Client ID: RLB10-01
Compound: 7 Aroclor-1260
CAS #: 11096-82-5
Report Date: 11/10/2010

Processing Integration Results

RT	Response	Conc
8.71	55580	463.87
9.25	57050	452.52
9.96	129652	461.83
10.69	52915*	429.19
11.08	27882*	360.33

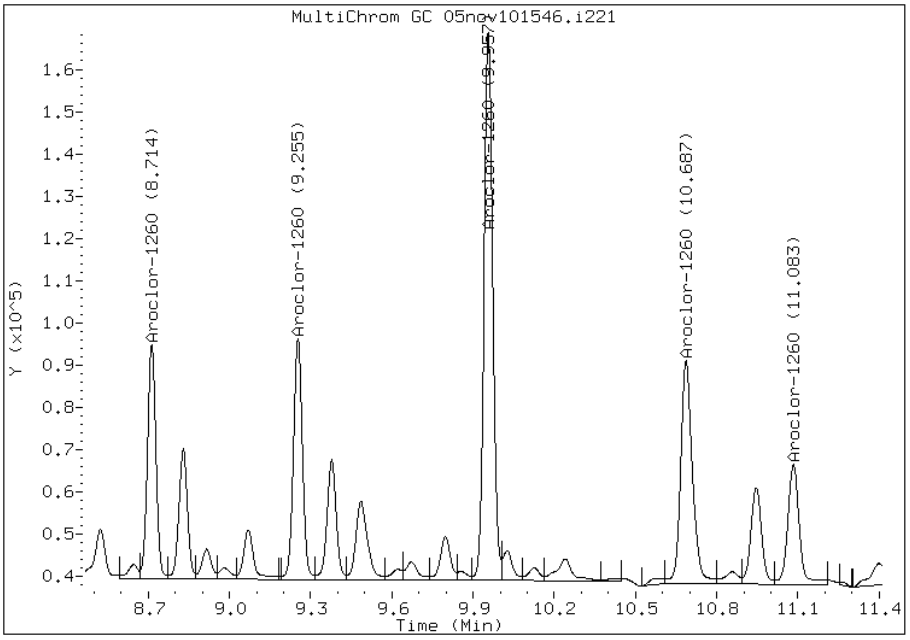
Final Conc		433.50



Manual Integration Results

RT	Response	Conc
8.71	55580	463.87
9.25	57050	452.52
9.96	129652	461.83
10.69	52706*	427.50
11.08	28483*	368.09

Final Conc		434.80



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB10-01 MS Lab Sample ID: 200-2079-12 MS

Matrix: Tissue Lab File ID: 05nov101546-r221.d

Analysis Method: 8082 Date Collected: 10/19/2010 17:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 9.98(g) Date Analyzed: 11/06/2010 00:20

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	94		30-130
2051-24-3	DCB Decachlorobiphenyl	87		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-12 MS
Client Smp ID: RLB10-01
Inj Date : 06-NOV-2010 00:20
Operator : DPD Inst ID: 7227_2.i
Smp Info : 200-2079-A-12-U MS
Misc Info : 200-2079-A-12-U MS
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:52 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

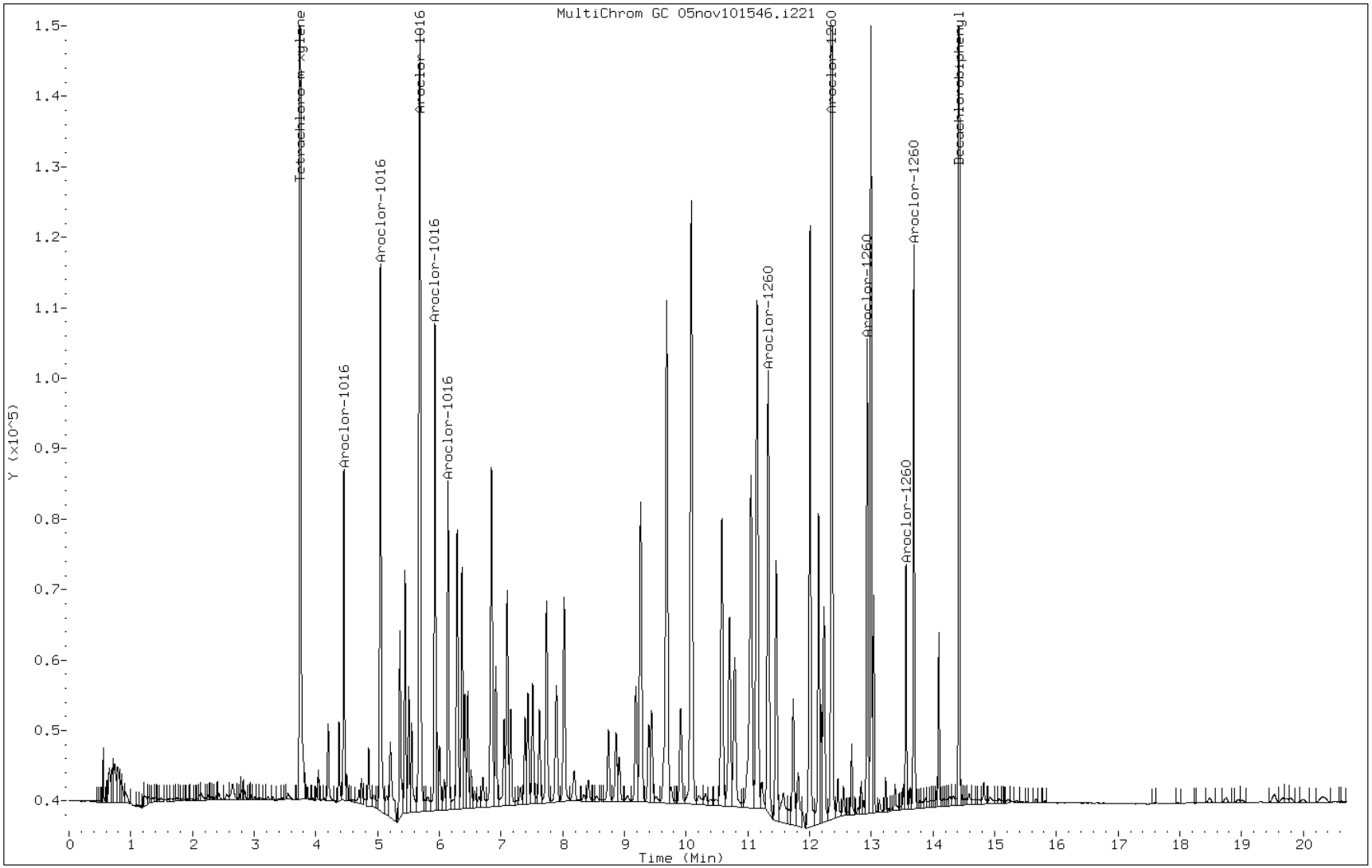
	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1	Aroclor-1016					CAS #: 12674-11-2		
	4.455	4.464	-0.009	46958	427.819	427.8	80.00- 120.00	100.00(M)
	5.045	5.054	-0.009	77594	452.029	452.0	242.86- 282.86	165.24
	5.686	5.697	-0.011	111205	422.239	422.2	231.90- 271.90	236.82
	5.930	5.938	-0.008	69120	545.013	545.0	98.24- 138.24	147.20
	6.142	6.151	-0.009	46739	444.051	444.1	94.08- 134.08	99.53
			Average of Peak Concentrations =		458.2			
7	Aroclor-1260					CAS #: 11096-82-5		
	11.329	11.343	-0.014	62786	387.291	387.3	80.00- 120.00	100.00(M)
	12.360	12.371	-0.011	203351	377.981	378.0	92.64- 132.64	323.88
	12.934	12.945	-0.011	67361	357.828	357.8	69.99- 109.99	107.29
	13.564	13.573	-0.009	34725	388.600	388.6	115.64- 155.64	55.31
	13.690	13.701	-0.011	79990	387.635	387.6	57.50- 97.50	127.40
			Average of Peak Concentrations =		379.9			

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.744	3.753	-0.009	218552	37.6724	37.67	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.422	14.431	-0.009	234226	34.7760	34.78	80.00- 120.00	100.00

QC Flag Legend

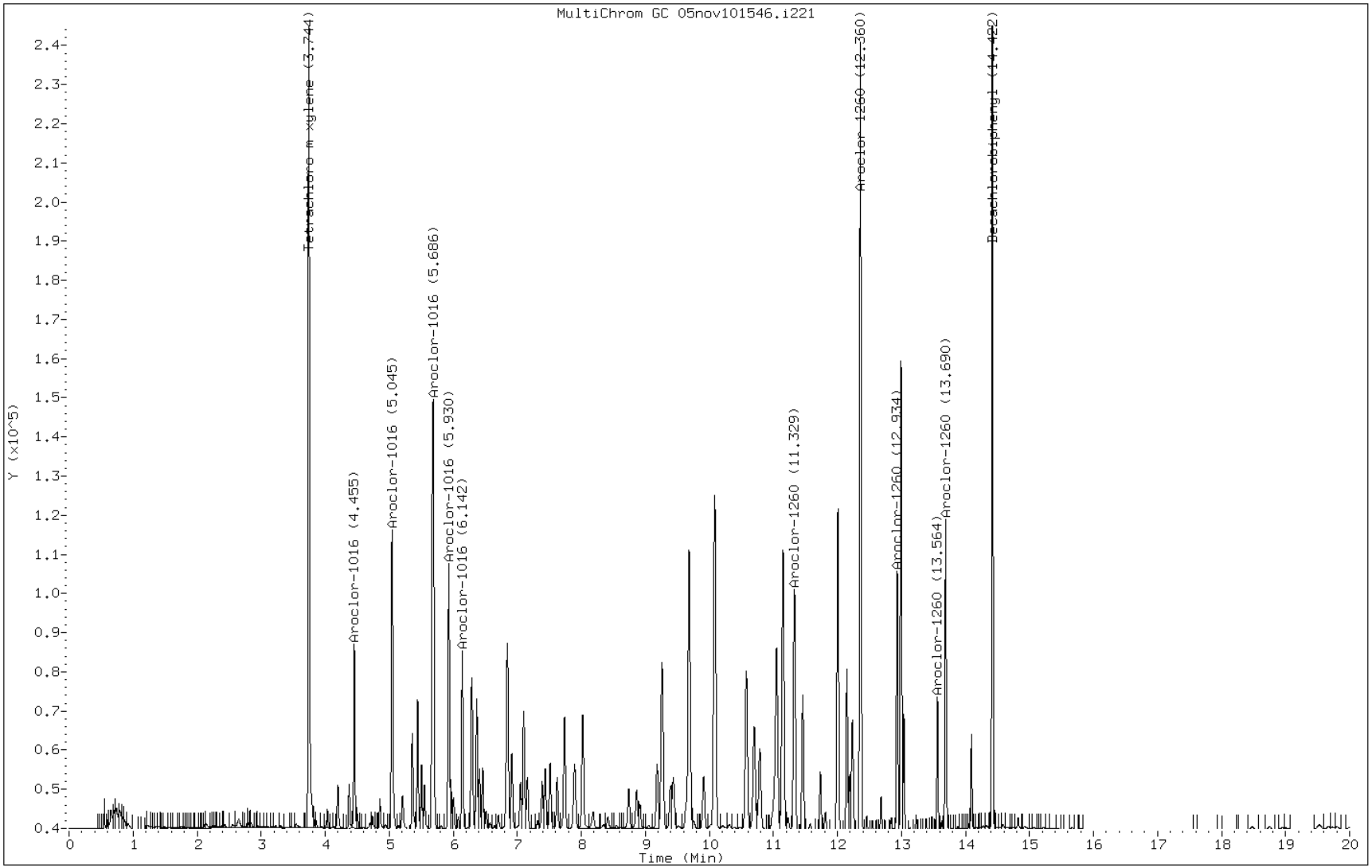
M - Compound response manually integrated.

Data File:	05nov101546-r221.d	Date:	06-NOV-2010 00:20
Client ID:	RLB10-01	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-12-U MS		
Lab Sample ID:	200-2079-12 MS		



Data File: 05nov101546-r221.d
Client ID: RLB10-01
Operator: DPD
Column Type:
Stationary Phase: RTX-35
Sample Info: 200-2079-A-12-U MS

Date: 06-NOV-2010 00:20
Instrument: 7227_2.i
Inj Vol: 1.0
Diameter: 0.2



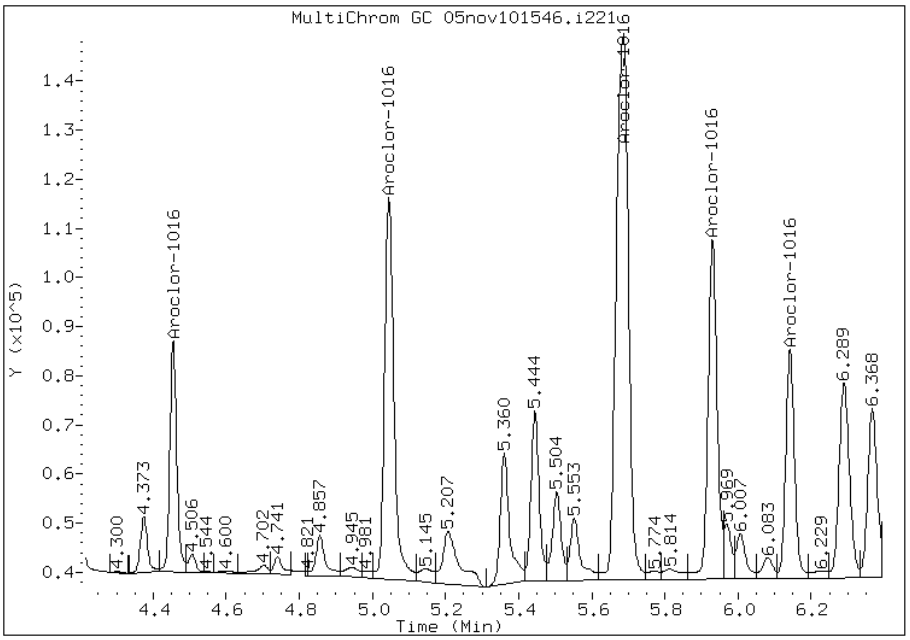
Manual Integration Report

Data File: 05nov101546-r221.d
Inj. Date and Time: 06-NOV-2010 00:20
Instrument ID: 7227_2.i
Client ID: RLB10-01
Compound: 1 Aroclor-1016
CAS #: 12674-11-2
Report Date: 11/10/2010

Processing Integration Results

RT	Response	Conc
4.46	46958	427.82
5.05	77594	452.03
5.69	112318*	426.46
5.93	70145*	553.09
6.14	47702*	453.20

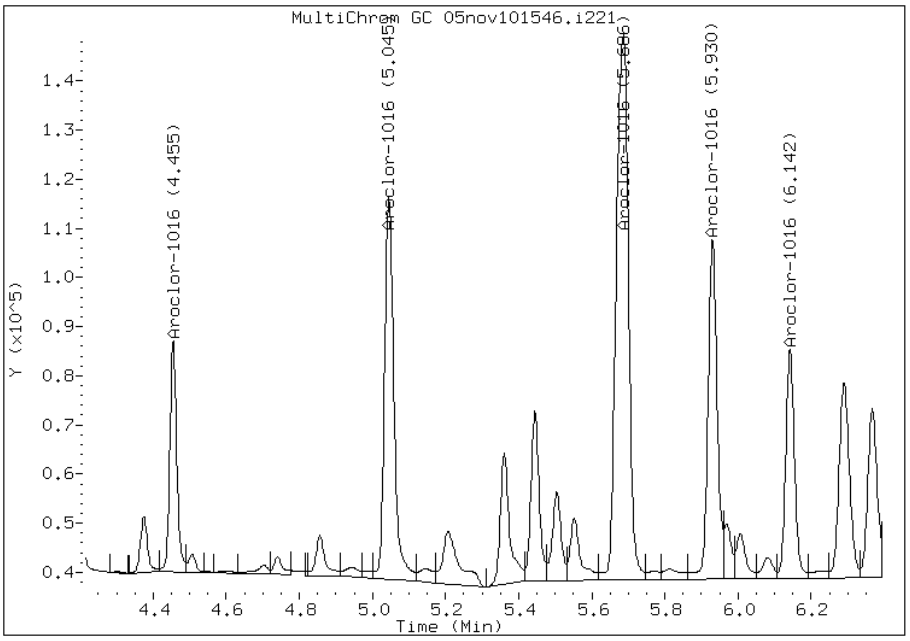
Final Conc		462.50



Manual Integration Results

RT	Response	Conc
4.46	46958	427.82
5.05	77594	452.03
5.69	111205*	422.24
5.93	69120*	545.01
6.14	46739*	444.05

Final Conc		458.20



File Uploaded By: sld
Manual Integration Reason: Baseline event

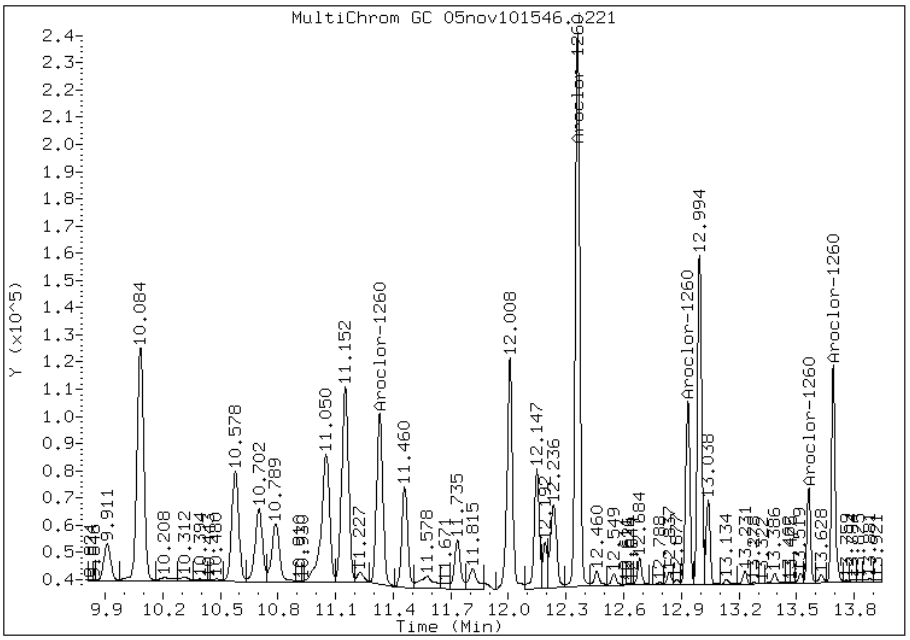
Manual Integration Report

Data File: 05nov101546-r221.d
Inj. Date and Time: 06-NOV-2010 00:20
Instrument ID: 7227_2.i
Client ID: RLB10-01
Compound: 7 Aroclor-1260
CAS #: 11096-82-5
Report Date: 11/10/2010

Processing Integration Results

RT	Response	Conc
11.33	62782*	387.27
12.36	203351	377.98
12.93	67361	357.83
13.56	34725	388.60
13.69	79990	387.63

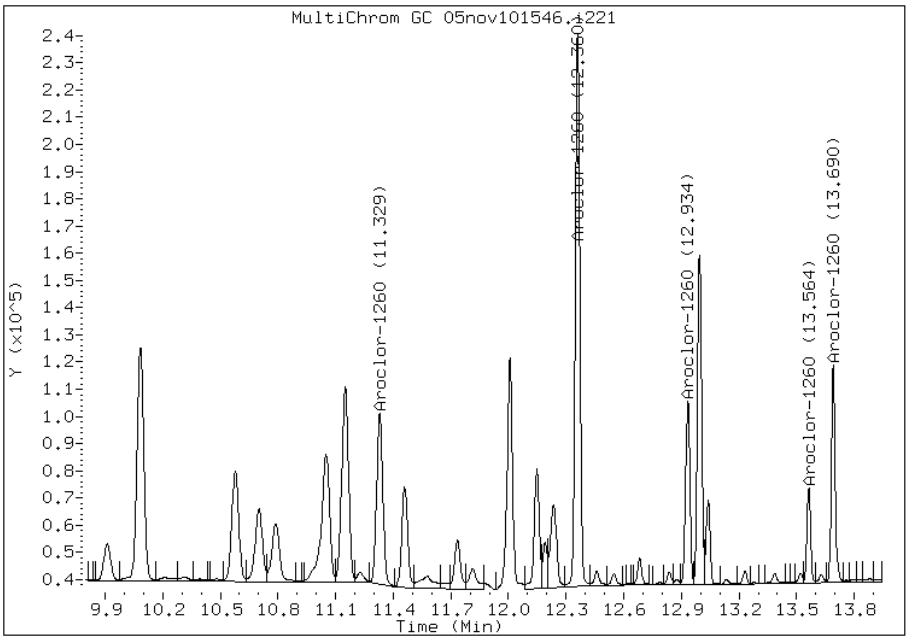
Final Conc		379.90



Manual Integration Results

RT	Response	Conc
11.33	62786*	387.29
12.36	203351	377.98
12.93	67361	357.83
13.56	34725	388.60
13.69	79990	387.63

Final Conc		379.90



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB10-01 MS RE | Lab Sample ID: 200-2079-12 MS RE

Matrix: Tissue | Lab File ID: 15dec101459-r201.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 9.98(g) | Date Analyzed: 12/16/2010 05:23

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	360		20	10
11104-28-2	PCB-1221	20	U	20	10
11141-16-5	PCB-1232	20	U	20	10
53469-21-9	PCB-1242	20	U	20	10
12672-29-6	PCB-1248	20	U	20	10
11097-69-1	PCB-1254	20	U	20	10
11096-82-5	PCB-1260	378		20	10
37324-23-5	PCB-1262	20	U	20	10
11100-14-4	PCB-1268	20	U	20	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	94	E	30-130
2051-24-3	DCB Decachlorobiphenyl	77		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-12P MS
Client Smp ID: RLB10-01MS
Inj Date : 16-DEC-2010 05:23
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2079-A-12-AP MS
Misc Info : 200-2079-A-12-AP MS
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 11:11 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

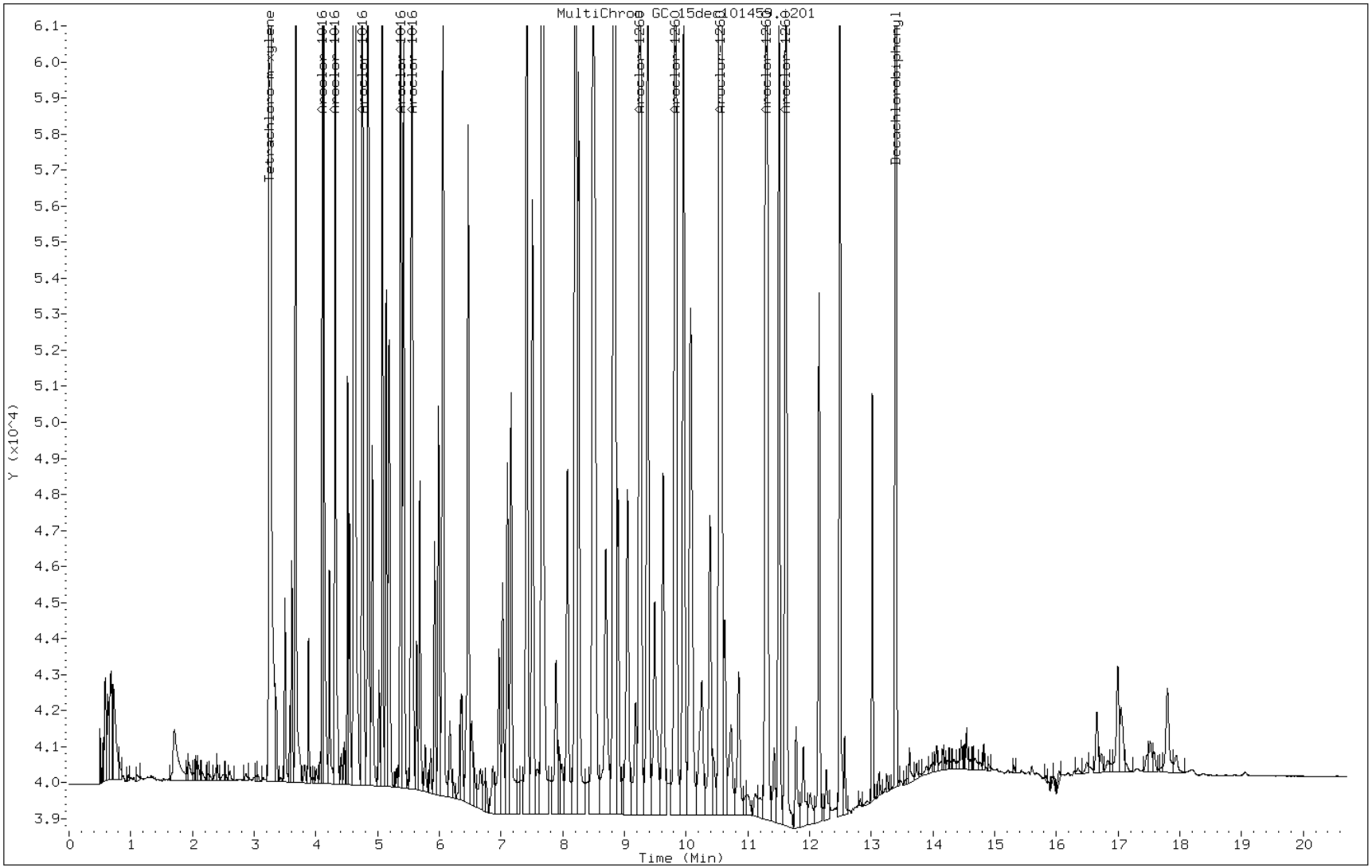
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.107	4.107	0.000	44095	912.784	912.8	80.00- 120.00	100.00(AR)
4.311	4.314	-0.003	46620	945.198	945.2	242.86- 282.86	105.73
4.750	4.753	-0.003	50374	910.469	910.5	231.90- 271.90	114.24
5.373	5.375	-0.002	32426	876.112	876.1	98.24- 138.24	73.54
5.557	5.559	-0.002	32182	845.326	845.3	94.08- 134.08	72.98
Average of Peak Concentrations =					898.0		
7 Aroclor-1260					CAS #: 11096-82-5		
9.252	9.257	-0.005	46463	988.874	988.9	80.00- 120.00	100.00(ARM)
9.826	9.833	-0.007	47656	997.901	997.9	92.64- 132.64	102.57
10.554	10.558	-0.004	107865	1013.01	1013	69.99- 109.99	232.15
11.301	11.305	-0.004	51119	893.771	893.8	115.64- 155.64	110.02
11.613	11.618	-0.005	28377	816.722	816.7	57.50- 97.50	61.07
Average of Peak Concentrations =					942.1		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.254	3.254	0.000	159824	94.2232	94.22	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.398	13.402	-0.004	161846	77.3640	77.36	80.00- 120.00	100.00(R)

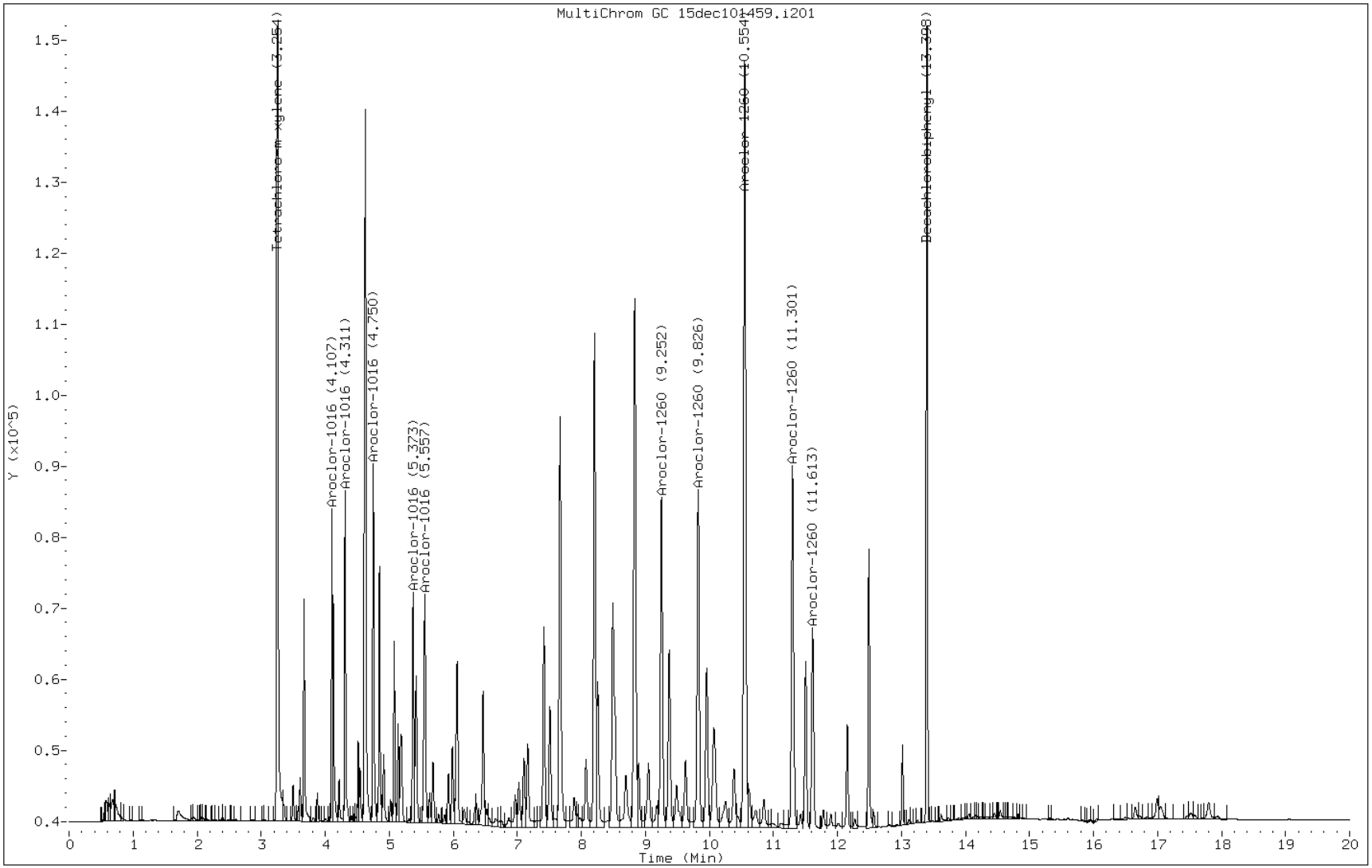
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r201.d	Date:	16-DEC-2010 05:23
Client ID:	RLB10-01MS	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-12-AP MS		
Lab Sample ID:	200-2079-12P MS		



Data File:	15dec101459-r201.d	Date:	16-DEC-2010 05:23
Client ID:	RLB10-01MS	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-12-AP MS		



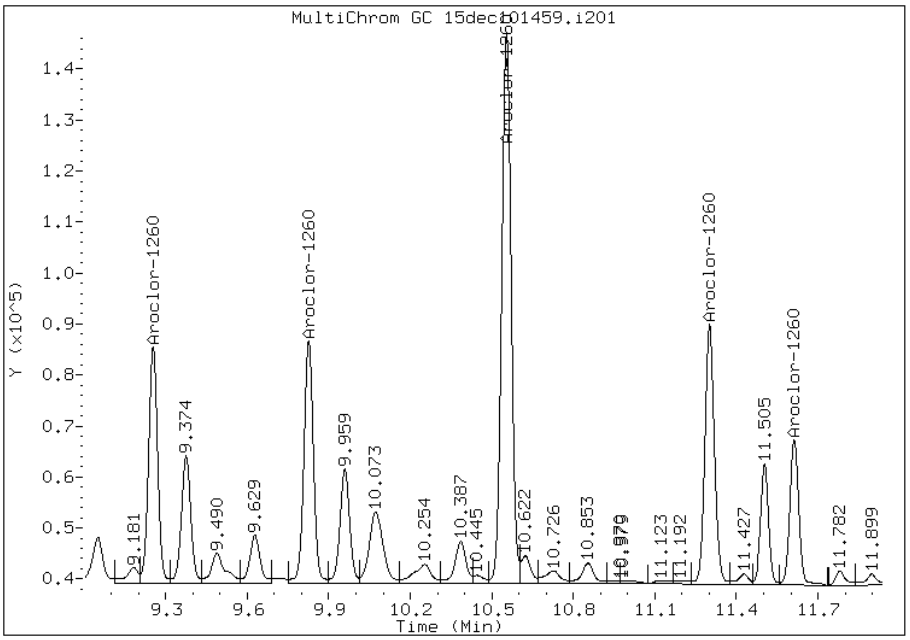
Manual Integration Report

Data File: 15dec101459-r201.d
Inj. Date and Time: 16-DEC-2010 05:23
Instrument ID: 3283_1.i
Client ID: RLB10-01MS
Compound: 7 Aroclor-1260
CAS #: 11096-82-5
Report Date: 12/16/2010

Processing Integration Results

RT	Response	Conc
9.25	45614*	970.80
9.83	46961*	983.35
10.55	107547*	1010.02
11.30	50944*	890.71
11.61	28114*	809.15

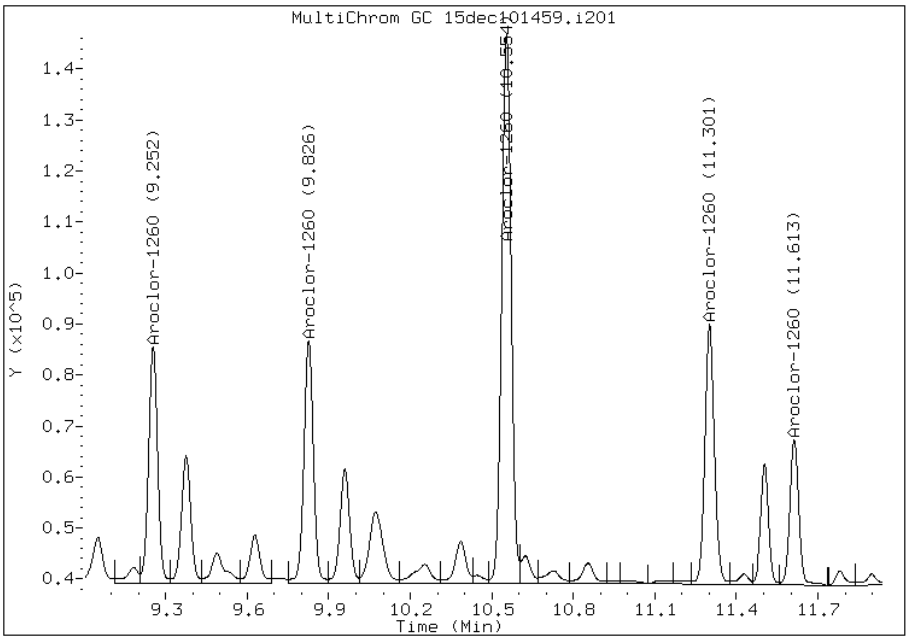
Final Conc		932.80



Manual Integration Results

RT	Response	Conc
9.25	46463*	988.87
9.83	47656*	997.90
10.55	107865*	1013.01
11.30	51119*	893.77
11.61	28377*	816.72

Final Conc		942.10



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB10-01 MS RE Lab Sample ID: 200-2079-12 MS RE

Matrix: Tissue Lab File ID: 15dec101459-r201.d

Analysis Method: 8082 Date Collected: 10/19/2010 17:00

Extraction Method: In-House Date Extracted: 11/30/2010 09:35

Sample wt/vol: 9.98(g) Date Analyzed: 12/16/2010 05:23

Con. Extract Vol.: 4000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	91	*E*	30-130
2051-24-3	DCB Decachlorobiphenyl	85	E	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-12P MS
Client Smp ID: RLB10-01MS
Inj Date : 16-DEC-2010 05:23
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2079-A-12-AP MS
Misc Info : 200-2079-A-12-AP MS
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 11:13 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

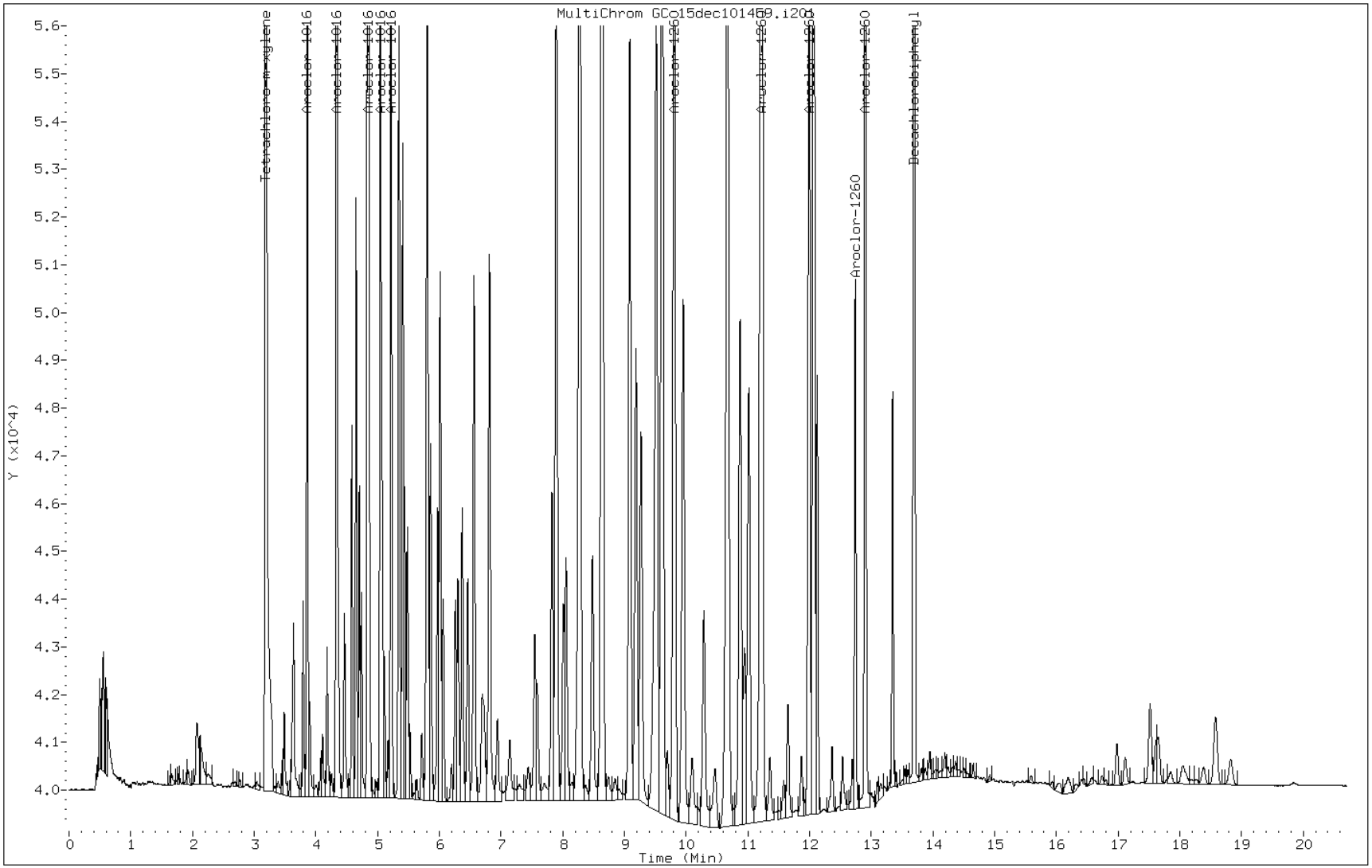
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
3.859	3.861	-0.002	21385	889.901	889.9	80.00- 120.00	100.00(AR)
4.334	4.336	-0.002	38708	873.642	873.6	242.86- 282.86	181.01
4.846	4.848	-0.002	68168	901.082	901.1	231.90- 271.90	318.77
5.045	5.047	-0.002	22788	805.472	805.5	98.24- 138.24	106.56
5.218	5.220	-0.002	18907	840.975	841.0	94.08- 134.08	88.41
Average of Peak Concentrations =					862.2		
7 Aroclor-1260					CAS #: 11096-82-5		
9.807	9.815	-0.008	21473	806.202	806.2	80.00- 120.00	100.00(ARM)
11.216	11.227	-0.011	58404	815.129	815.1	92.64- 132.64	271.99
11.994	12.001	-0.007	18254	727.280	727.3	69.99- 109.99	85.01
12.741	12.748	-0.007	11081	784.038	784.0	115.64- 155.64	51.60
12.903	12.908	-0.005	31161	907.380	907.4	57.50- 97.50	145.12
Average of Peak Concentrations =					808.0		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.188	3.190	-0.002	103668	90.6274	90.63	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.695	13.699	-0.004	114675	85.2238	85.22	80.00- 120.00	100.00(AR)

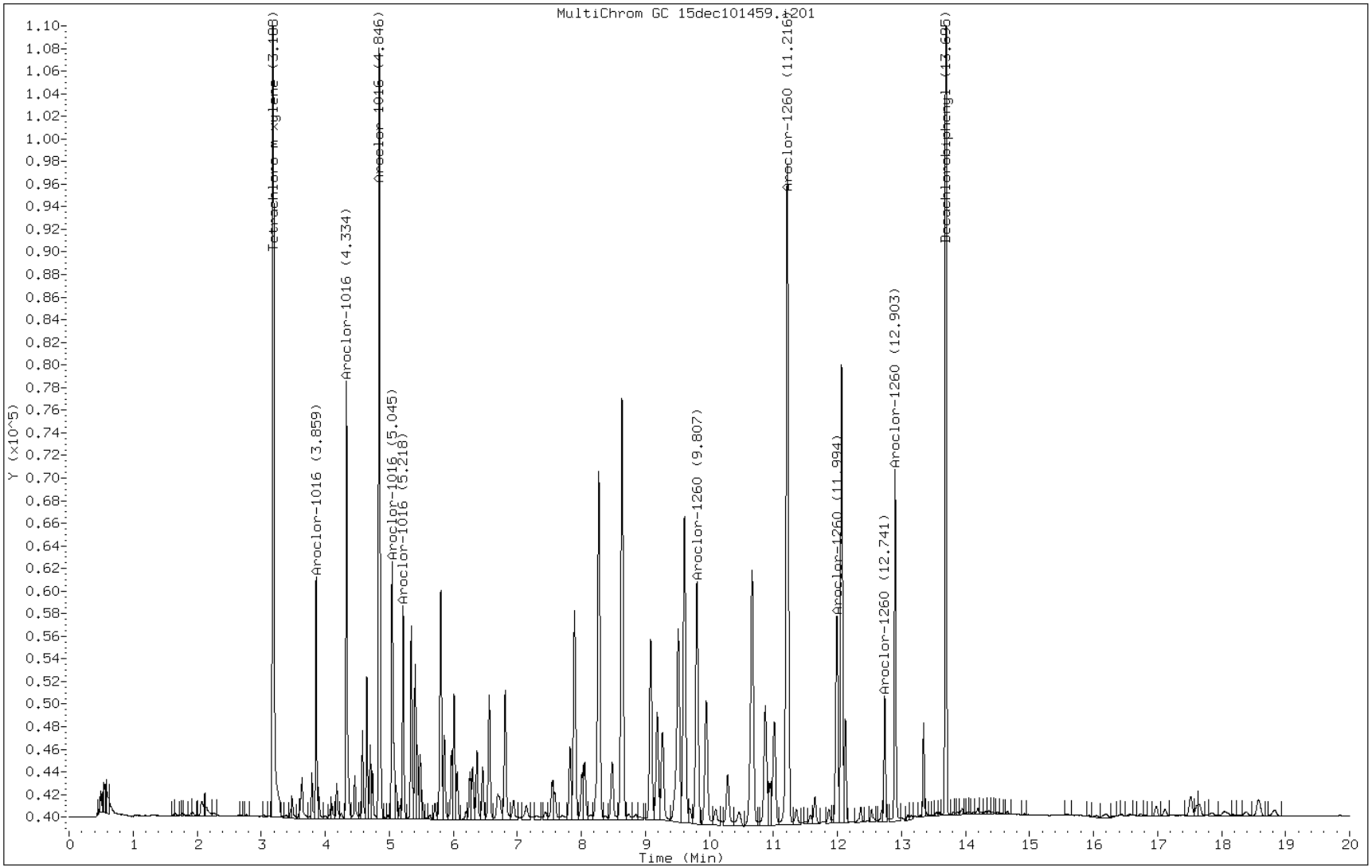
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r201.d	Date:	16-DEC-2010 05:23
Client ID:	RLB10-01MS	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-12-AP MS		
Lab Sample ID:	200-2079-12P MS		



Data File:	15dec101459-r201.d	Date:	16-DEC-2010 05:23
Client ID:	RLB10-01MS	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-12-AP MS		



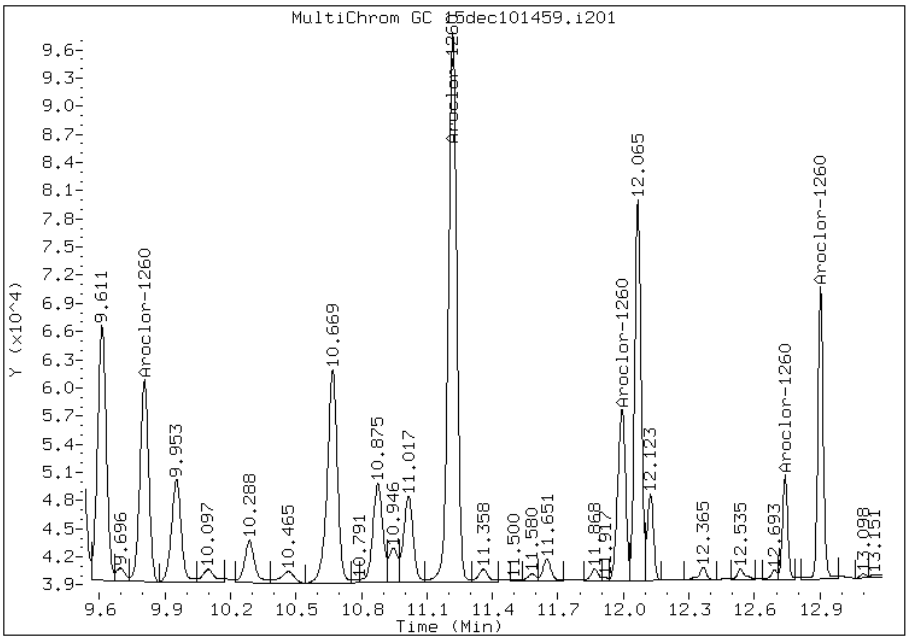
Manual Integration Report

Data File: 15dec101459-r201.d
Inj. Date and Time: 16-DEC-2010 05:23
Instrument ID: 3283_2.i
Client ID: RLB10-01MS
Compound: 7 Aroclor-1260
CAS #: 11096-82-5
Report Date: 12/16/2010

Processing Integration Results

RT	Response	Conc
9.81	21474*	806.24
11.22	58336*	814.18
11.99	18102*	721.22
12.74	10855*	768.05
12.90	30939*	900.92

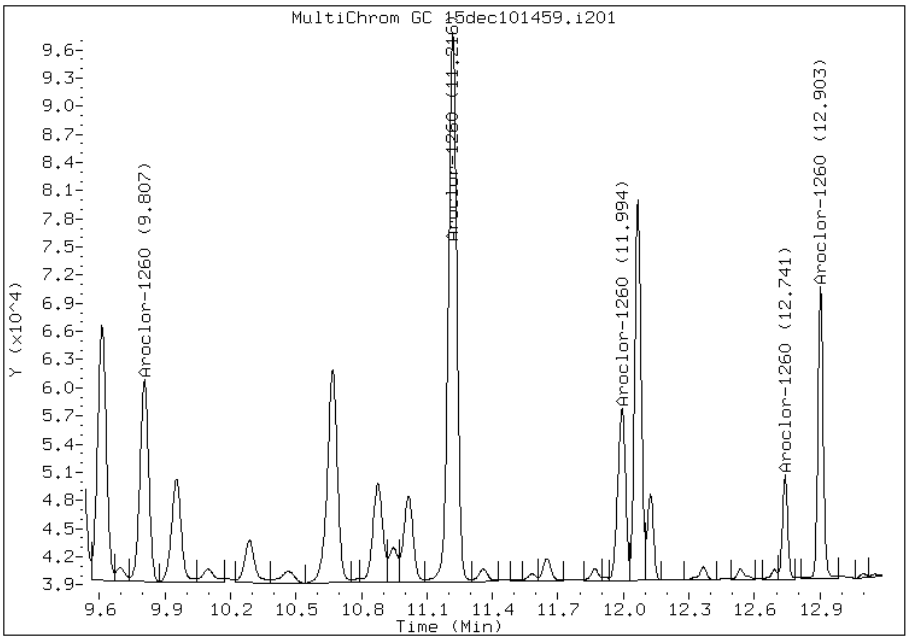
Final Conc		802.10



Manual Integration Results

RT	Response	Conc
9.81	21473*	806.20
11.22	58404*	815.13
11.99	18254*	727.28
12.74	11081*	784.04
12.90	31161*	907.38

Final Conc		808.00



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RVG10-02 MSD | Lab Sample ID: 200-2079-4 MSD

Matrix: Tissue | Lab File ID: 09nov101450-r301.d

Analysis Method: 8082 | Date Collected: 10/19/2010 12:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.24(g) | Date Analyzed: 11/10/2010 02:54

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9333 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	440		50	25
11104-28-2	PCB-1221	50	U	50	25
11141-16-5	PCB-1232	50	U	50	25
53469-21-9	PCB-1242	50	U	50	25
12672-29-6	PCB-1248	50	U	50	25
11097-69-1	PCB-1254	50	U	50	25
11096-82-5	PCB-1260	436		50	25
37324-23-5	PCB-1262	50	U	50	25
11100-14-4	PCB-1268	50	U	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	96		30-130
2051-24-3	DCB Decachlorobiphenyl	83		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-4 MSD
Client Smp ID: RVG10-02
Inj Date : 10-NOV-2010 02:54
Operator : SLD Inst ID: 7227_1.i
Smp Info : 200-2079-A-4-Z MSD
Misc Info : 200-2079-A-4-Z MSD
Comment :
Method : /var/chem/7227_1.i/102210_1/09NOV101450.b/8082_RTX5.m
Meth Date : 10-Nov-2010 08:11 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 07:20 Cal File: 22oct102021-r281.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

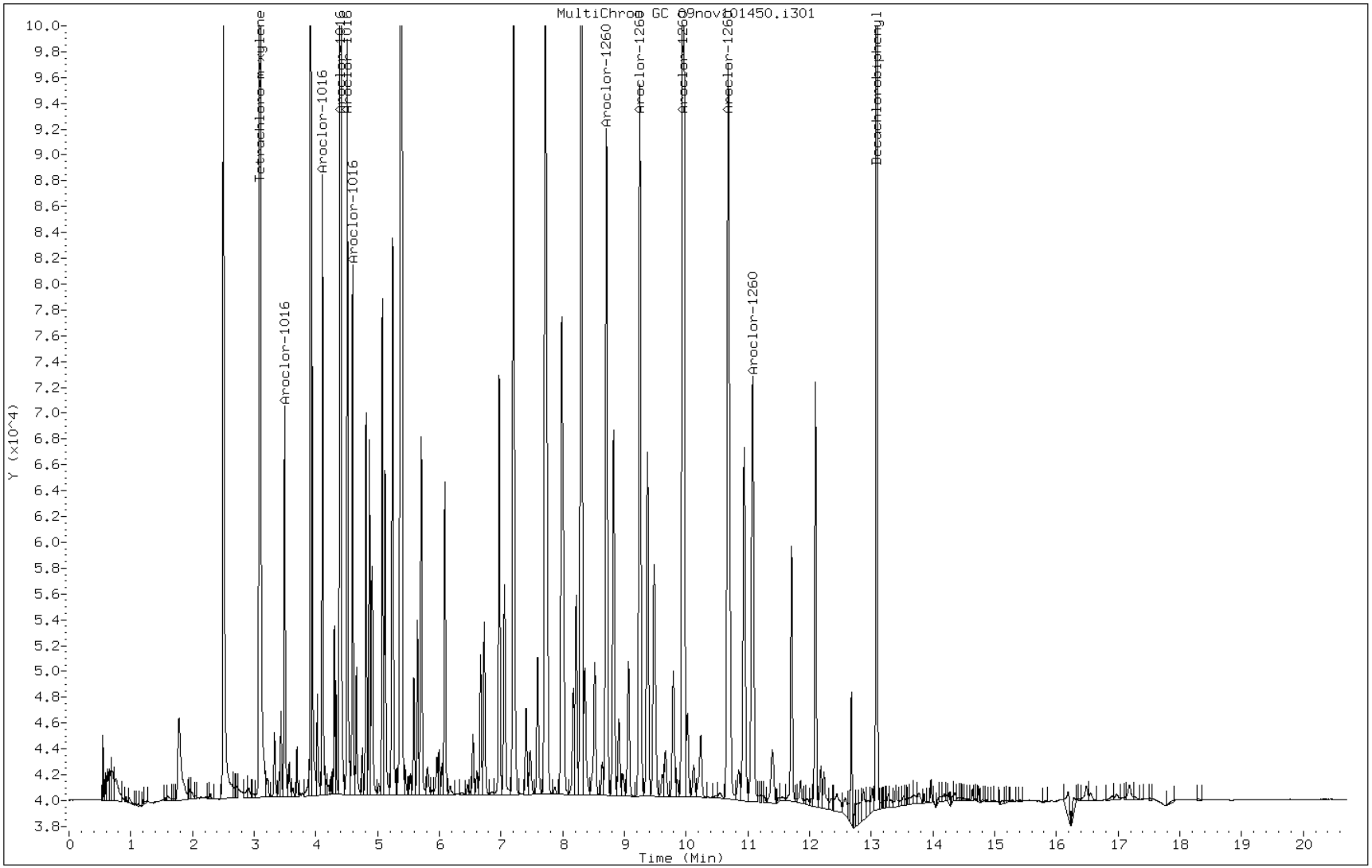
				CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
3.493	3.502	-0.009	30299	440.811	440.8	80.00- 120.00	100.00(M)
4.107	4.114	-0.007	48031	433.783	433.8	242.86- 282.86	158.52
4.398	4.409	-0.011	110341	454.667	454.7	231.90- 271.90	364.17
4.511	4.520	-0.009	58514	450.193	450.2	98.24- 138.24	193.12
4.597	4.606	-0.009	41045	474.942	474.9	94.08- 134.08	135.47
Average of Peak Concentrations =					450.9		
7 Aroclor-1260					CAS #: 11096-82-5		
8.709	8.720	-0.011	51665	431.197	431.2	80.00- 120.00	100.00(M)
9.248	9.261	-0.013	55133	437.313	437.3	92.64- 132.64	106.71
9.953	9.968	-0.015	133196	474.454	474.5	69.99- 109.99	257.81
10.680	10.698	-0.018	57032	462.584	462.6	115.64- 155.64	110.39
11.079	11.092	-0.013	32970	426.079	426.1	57.50- 97.50	63.81
Average of Peak Concentrations =					446.3		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.092	3.101	-0.009	139756	38.4185	38.42	80.00- 120.00	100.00(M)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.087	13.098	-0.011	175558	33.1967	33.20	80.00- 120.00	100.00

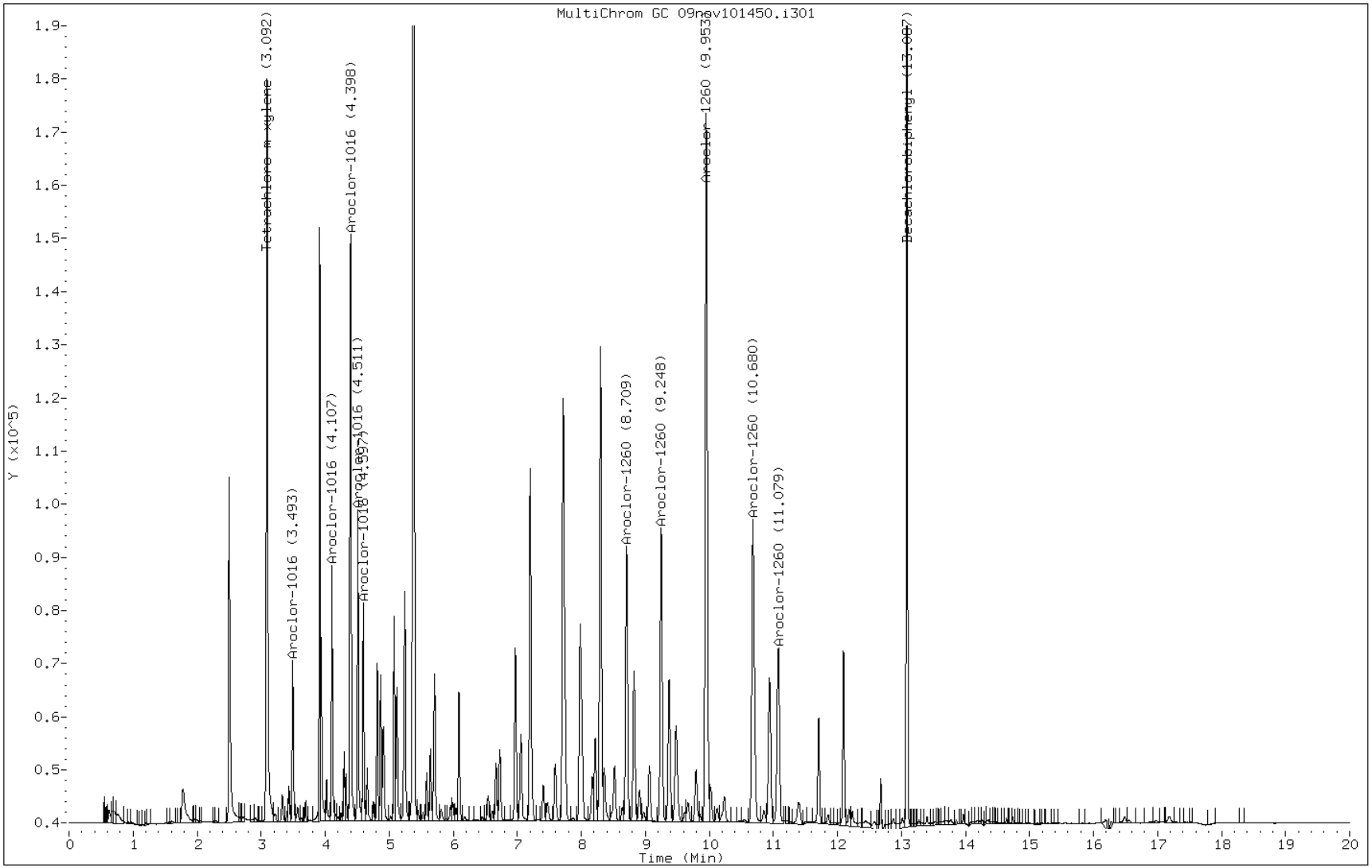
QC Flag Legend

M - Compound response manually integrated.

Data File:	09nov101450-r301.d	Date:	10-NOV-2010 02:54
Client ID:	RVG10-02	Instrument:	7227_1.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-4-Z MSD		
Lab Sample ID:	200-2079-4 MSD		



Data File:	09nov101450-r301.d	Date:	10-NOV-2010 02:54
Client ID:	RVG10-02	Instrument:	7227_1.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-4-Z MSD		



Manual Integration Report

Data File: 09nov101450-r301.d
Lab Sample ID: 200-2079-4 MSD
Inj. Date and Time: 10-NOV-2010 02:54
Instrument ID: 7227_1.i
Client ID: RVG10-02
Compound: 10 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 11/10/2010

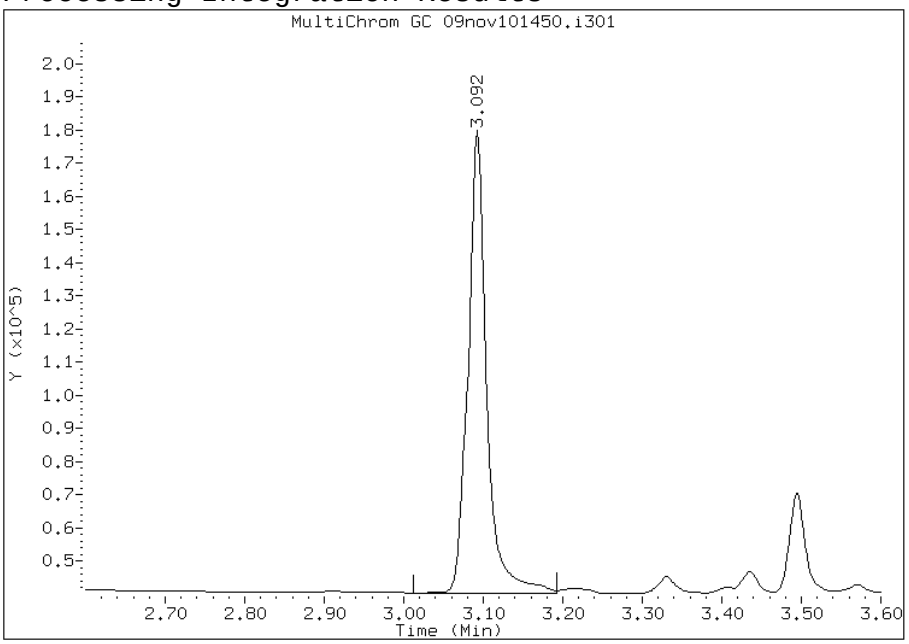
Processing Integration Results

RT: 3.09

Response: 139593

Amount: 38.37

Conc: 38.37



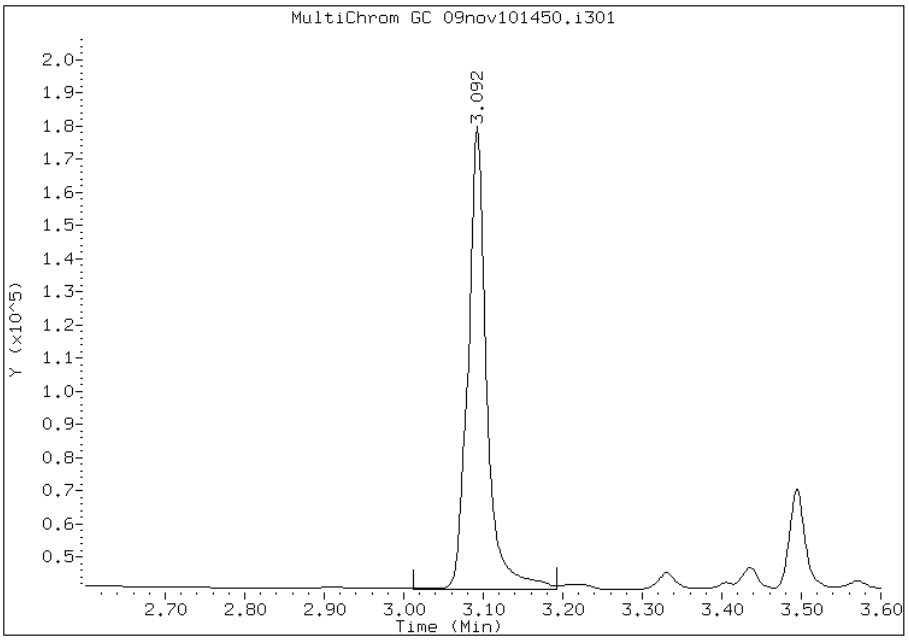
Manual Integration Results

RT: 3.09

Response: 139756

Amount: 38.42

Conc: 38.42



File Uploaded By: sld
Manual Integration Reason: Baseline event

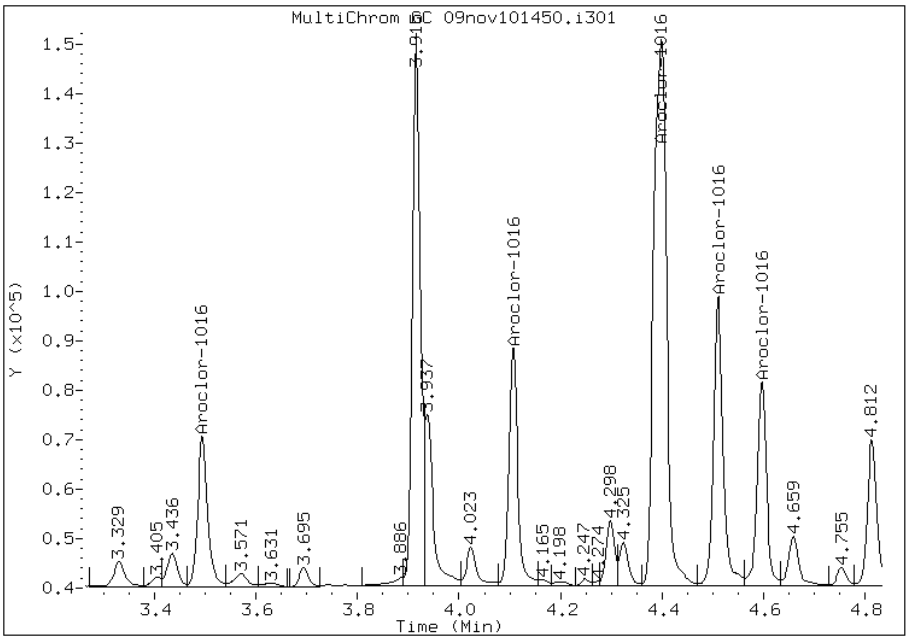
Manual Integration Report

Data File: 09nov101450-r301.d
Inj. Date and Time: 10-NOV-2010 02:54
Instrument ID: 7227_1.i
Client ID: RVG10-02
Compound: 1 Aroclor-1016
CAS #: 12674-11-2
Report Date: 11/10/2010

Processing Integration Results

RT	Response	Conc
3.49	30069*	437.46
4.11	47927*	432.84
4.40	110274*	454.39
4.51	58444*	449.65
4.60	40970*	474.07

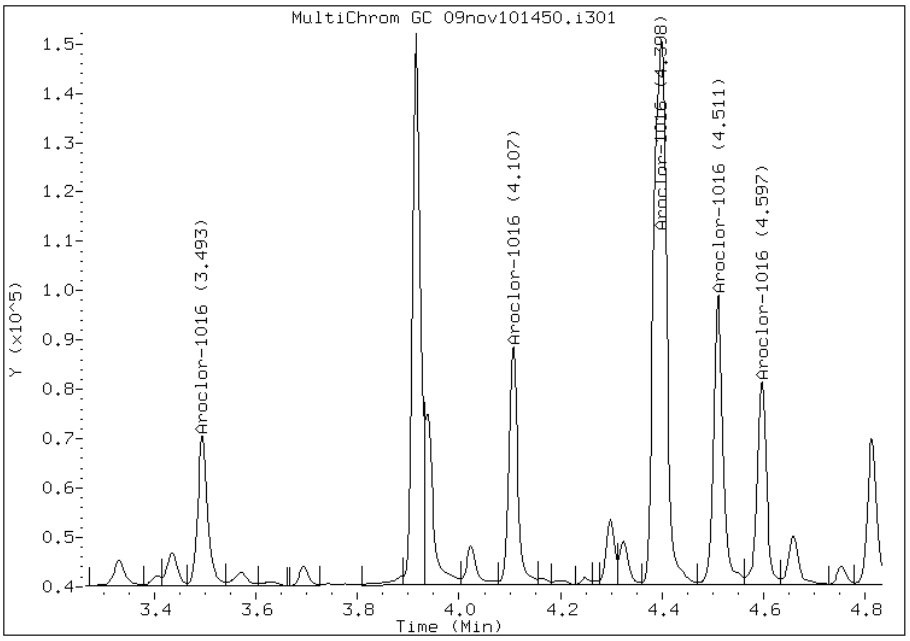
Final Conc		449.70



Manual Integration Results

RT	Response	Conc
3.49	30299*	440.81
4.11	48031*	433.78
4.40	110341*	454.67
4.51	58514*	450.19
4.60	41045*	474.94

Final Conc		450.90



File Uploaded By: sld
Manual Integration Reason: Baseline event

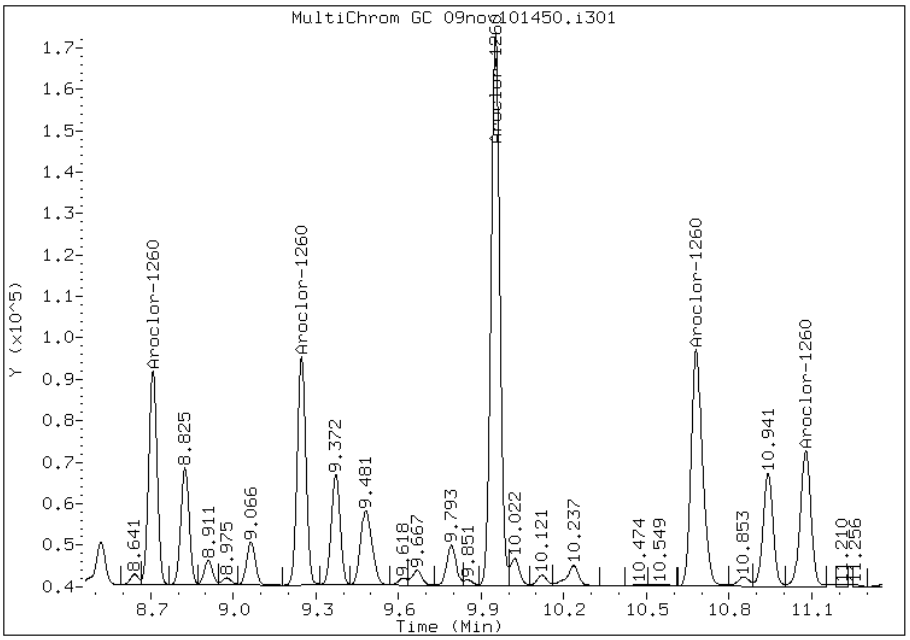
Manual Integration Report

Data File: 09nov101450-r301.d
Inj. Date and Time: 10-NOV-2010 02:54
Instrument ID: 7227_1.i
Client ID: RVG10-02
Compound: 7 Aroclor-1260
CAS #: 11096-82-5
Report Date: 11/10/2010

Processing Integration Results

RT	Response	Conc
8.71	51665	431.20
9.25	55133	437.31
9.95	133196	474.45
10.68	56946*	461.89
11.08	32640*	421.81

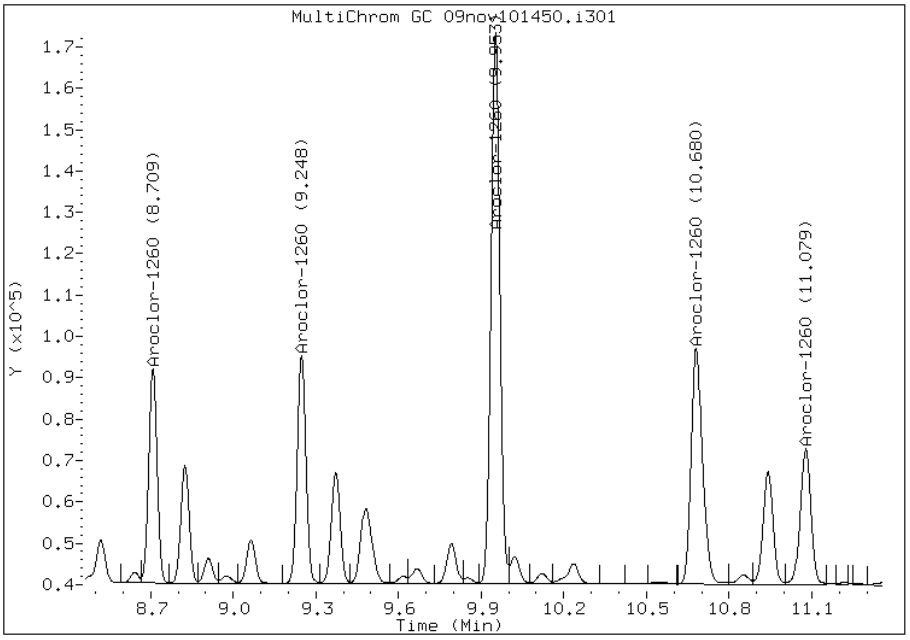
Final Conc		445.30



Manual Integration Results

RT	Response	Conc
8.71	51665	431.20
9.25	55133	437.31
9.95	133196	474.45
10.68	57032*	462.58
11.08	32970*	426.08

Final Conc		446.30



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RVG10-02 MSD Lab Sample ID: 200-2079-4 MSD

Matrix: Tissue Lab File ID: 09nov101450-r301.d

Analysis Method: 8082 Date Collected: 10/19/2010 12:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.24(g) Date Analyzed: 11/10/2010 02:54

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9333 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	88		30-130
2051-24-3	DCB Decachlorobiphenyl	82		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-4 MSD
Client Smp ID: RVG10-02
Inj Date : 10-NOV-2010 02:54
Operator : SLD Inst ID: 7227_2.i
Smp Info : 200-2079-A-4-Z MSD
Misc Info : 200-2079-A-4-Z MSD
Comment :
Method : /var/chem/7227_2.i/102210_1/09NOV101450.b/8082_RTX35.m
Meth Date : 10-Nov-2010 09:28 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

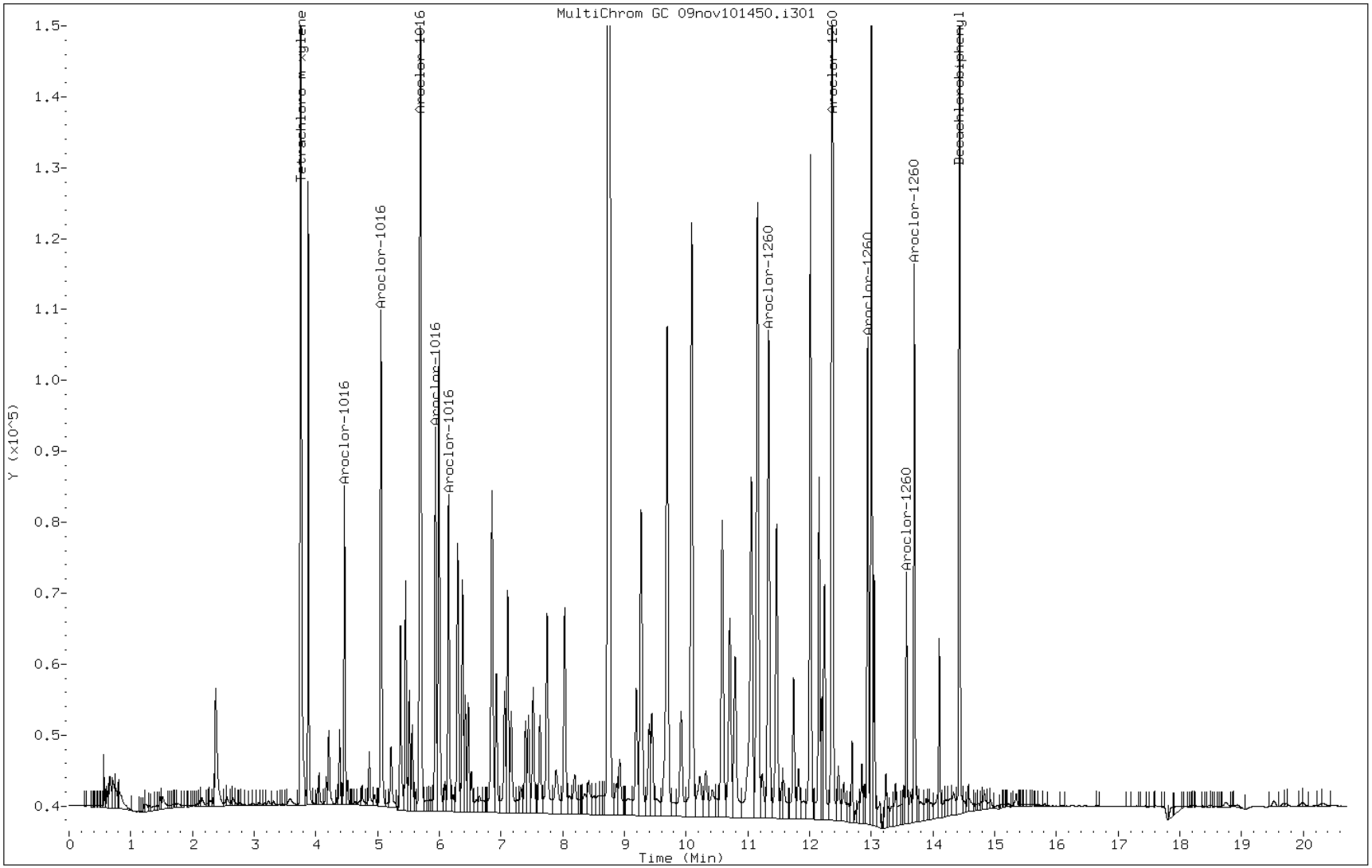
Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

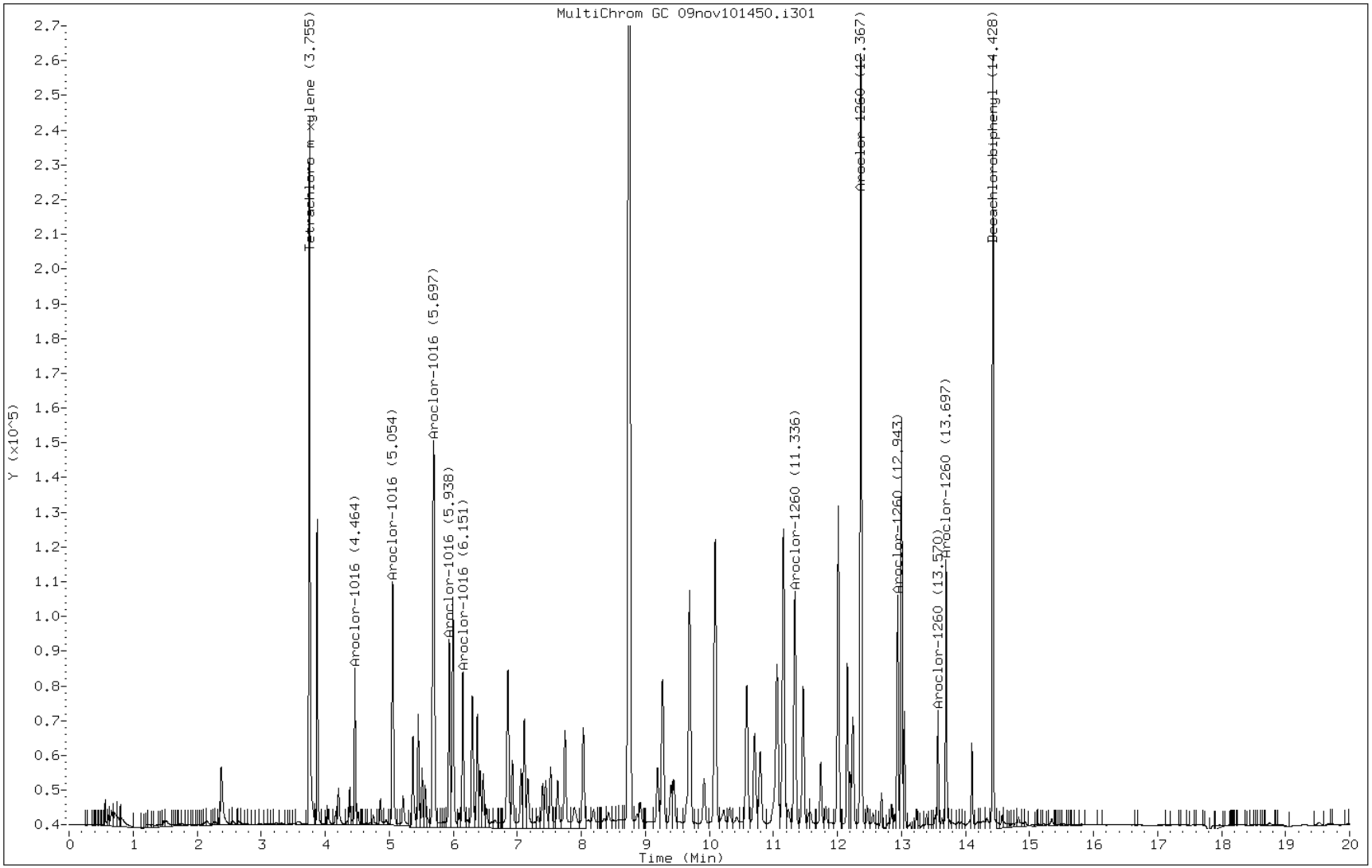
				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.464	4.464	0.000	45011	410.081	410.1	80.00- 120.00	100.00
5.054	5.054	0.000	69953	407.516	407.5	242.86- 282.86	155.41
5.697	5.697	0.000	111227	422.322	422.3	231.90- 271.90	247.11
5.938	5.938	0.000	54100	426.580	426.6	98.24- 138.24	120.19
6.151	6.151	0.000	44689	424.574	424.6	94.08- 134.08	99.28
Average of Peak Concentrations =				418.2			
7 Aroclor-1260					CAS #: 11096-82-5		
11.336	11.338	-0.002	68859	424.751	424.8	80.00- 120.00	100.00
12.367	12.369	-0.002	223923	416.219	416.2	92.64- 132.64	325.19
12.943	12.945	-0.002	68756	365.238	365.2	69.99- 109.99	99.85
13.570	13.573	-0.003	35453	396.747	396.7	115.64- 155.64	51.49
13.697	13.699	-0.002	78786	381.800	381.8	57.50- 97.50	114.42
Average of Peak Concentrations =				397.0			

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.755	3.753	0.002	203511	35.0798	35.08	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.428	14.431	-0.003	222498	33.0347	33.03	80.00- 120.00	100.00

Data File:	09nov101450-r301.d	Date:	10-NOV-2010 02:54
Client ID:	RVG10-02	Instrument:	7227_2.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-4-Z MSD		
Lab Sample ID:	200-2079-4 MSD		



Data File:	09nov101450-r301.d	Date:	10-NOV-2010 02:54
Client ID:	RVG10-02	Instrument:	7227_2.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-4-Z MSD		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB10-01 MSD | Lab Sample ID: 200-2079-12 MSD

Matrix: Tissue | Lab File ID: 05nov101546-r231.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.23(g) | Date Analyzed: 11/06/2010 00:44

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	454		50	25
11104-28-2	PCB-1221	50	U	50	25
11141-16-5	PCB-1232	50	U	50	25
53469-21-9	PCB-1242	50	U	50	25
12672-29-6	PCB-1248	50	U	50	25
11097-69-1	PCB-1254	50	U	50	25
11096-82-5	PCB-1260	413		50	25
37324-23-5	PCB-1262	50	U	50	25
11100-14-4	PCB-1268	50	U	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	100		30-130
2051-24-3	DCB Decachlorobiphenyl	87		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-12 MSD
Client Smp ID: RLB10-01
Inj Date : 06-NOV-2010 00:44
Operator : DPD Inst ID: 7227_1.i
Smp Info : 200-2079-A-12-V MSD
Misc Info : 200-2079-A-12-V MSD
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 11:05 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

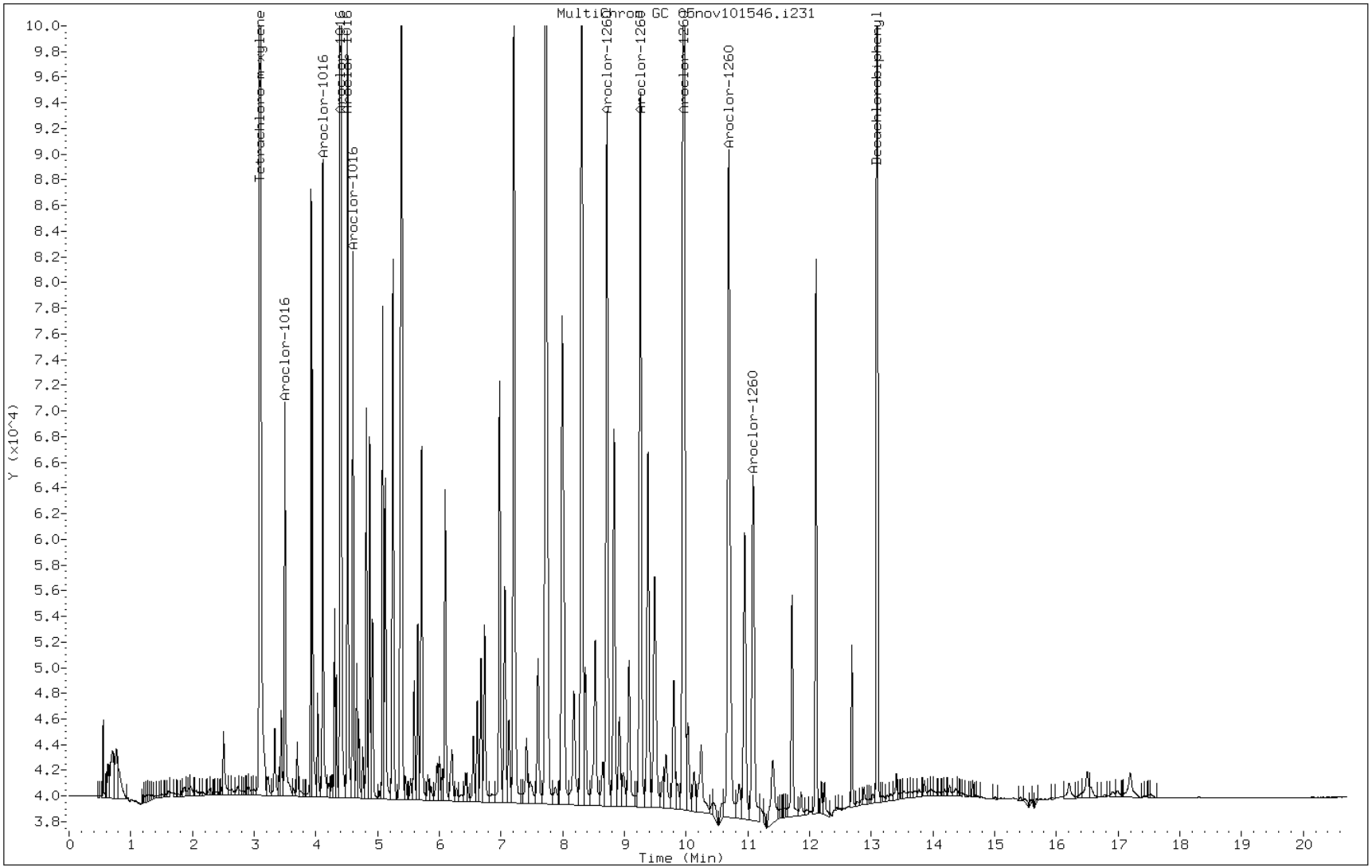
				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
3.498	3.493	0.005	30664	446.121	446.1	80.00- 120.00	100.00
4.112	4.105	0.007	49701	448.866	448.9	242.86- 282.86	162.08
4.405	4.398	0.007	114883	473.383	473.4	231.90- 271.90	374.65
4.515	4.511	0.004	59761	459.788	459.8	98.24- 138.24	194.89
4.602	4.597	0.005	42592	492.843	492.8	94.08- 134.08	138.90
Average of Peak Concentrations =					464.2		
7 Aroclor-1260					CAS #: 11096-82-5		
8.716	8.716	0.000	54145	451.896	451.9	80.00- 120.00	100.00(M)
9.257	9.259	-0.002	55727	442.024	442.0	92.64- 132.64	102.92
9.962	9.964	-0.002	126273	449.794	449.8	69.99- 109.99	233.21
10.689	10.695	-0.006	51990	421.689	421.7	115.64- 155.64	96.02
11.086	11.090	-0.004	26886	347.454	347.5	57.50- 97.50	49.66
Average of Peak Concentrations =					422.6		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.097	3.090	0.007	145797	40.0792	40.08	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.094	13.092	0.002	185051	34.9917	34.99	80.00- 120.00	100.00

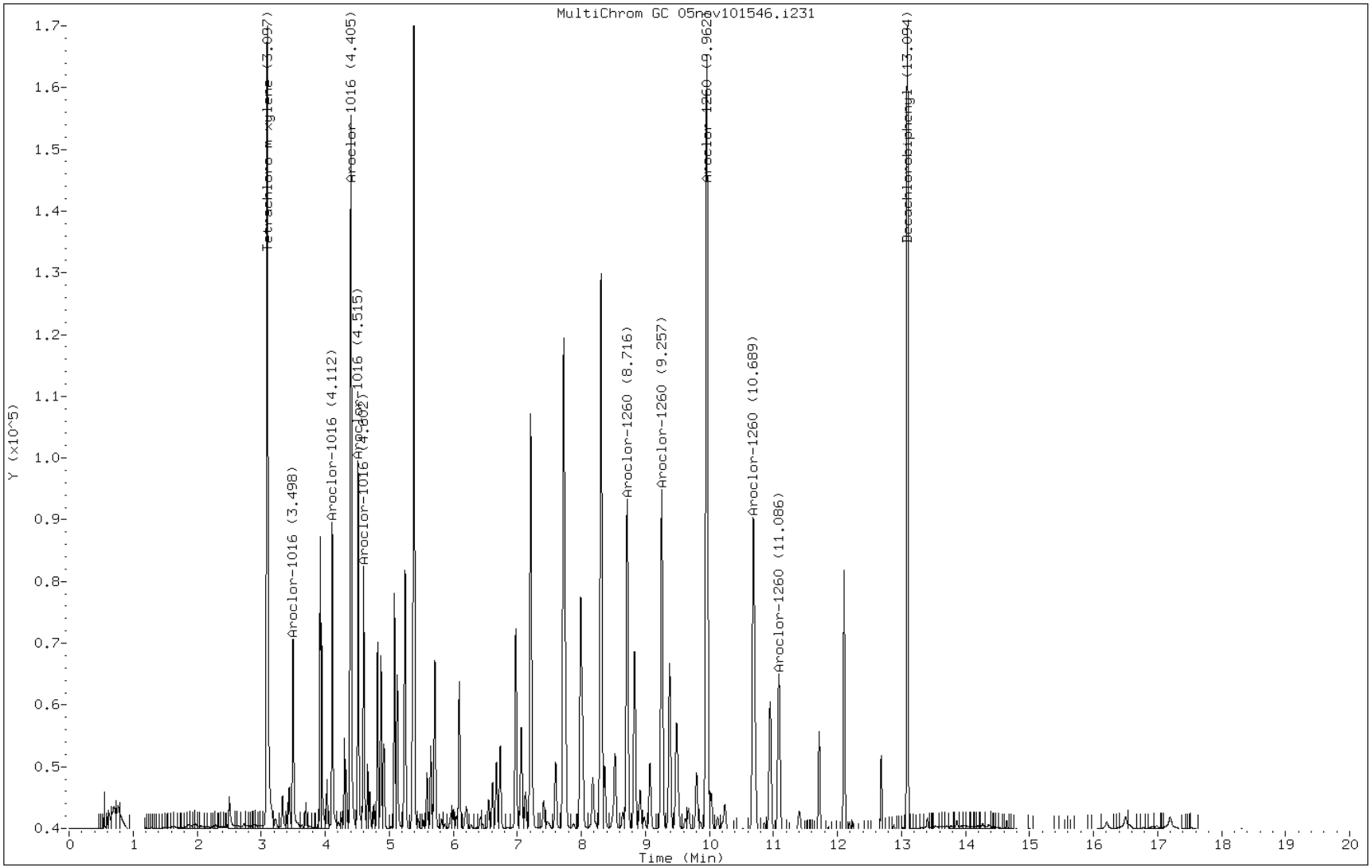
QC Flag Legend

M - Compound response manually integrated.

Data File:	05nov101546-r231.d	Date:	06-NOV-2010 00:44
Client ID:	RLB10-01	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-12-V MSD		
Lab Sample ID:	200-2079-12 MSD		



Data File:	05nov101546-r231.d	Date:	06-NOV-2010 00:44
Client ID:	RLB10-01	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-12-V MSD		



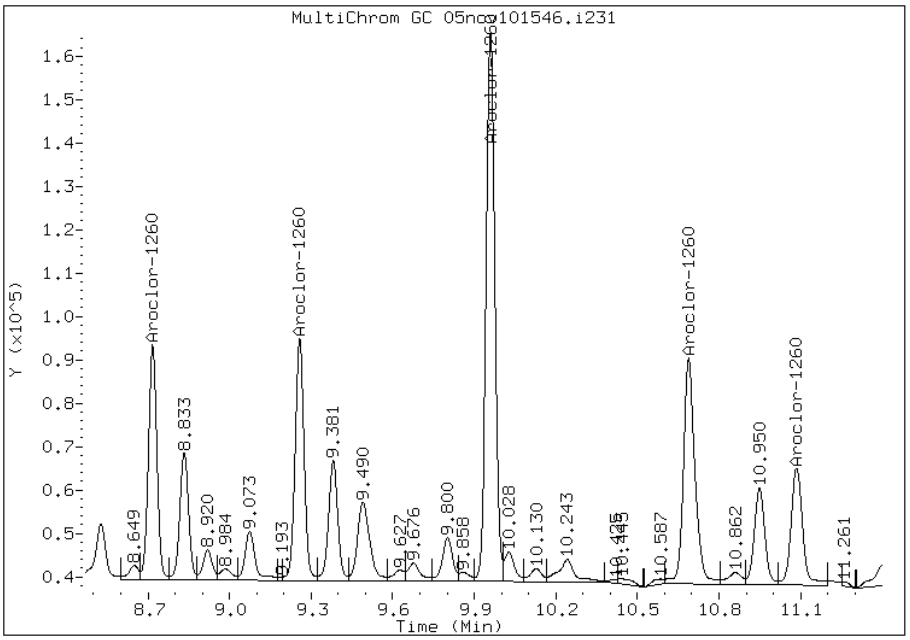
Manual Integration Report

Data File: 05nov101546-r231.d
Inj. Date and Time: 06-NOV-2010 00:44
Instrument ID: 7227_1.i
Client ID: RLB10-01
Compound: 7 Aroclor-1260
CAS #: 11096-82-5
Report Date: 11/10/2010

Processing Integration Results

RT	Response	Conc
8.72	54145	451.90
9.26	55727	442.02
9.96	126273	449.79
10.69	52305*	424.24
11.09	26749*	345.68

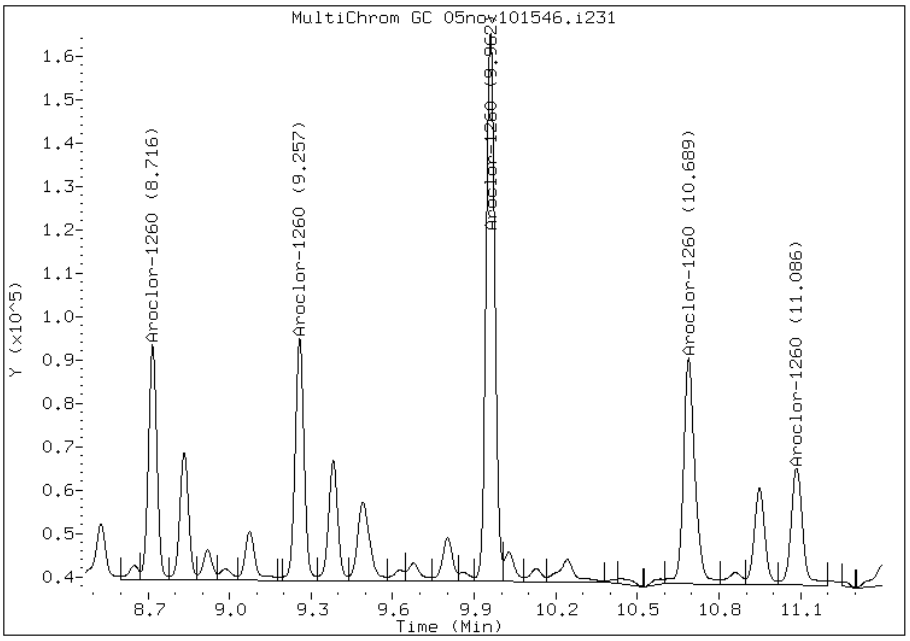
Final Conc		422.70



Manual Integration Results

RT	Response	Conc
8.72	54145	451.90
9.26	55727	442.02
9.96	126273	449.79
10.69	51990*	421.69
11.09	26886*	347.45

Final Conc		422.60



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB10-01 MSD Lab Sample ID: 200-2079-12 MSD

Matrix: Tissue Lab File ID: 05nov101546-r231.d

Analysis Method: 8082 Date Collected: 10/19/2010 17:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.23(g) Date Analyzed: 11/06/2010 00:44

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	95		30-130
2051-24-3	DCB Decachlorobiphenyl	89		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-12 MSD
Client Smp ID: RLB10-01
Inj Date : 06-NOV-2010 00:44
Operator : DPD Inst ID: 7227_2.i
Smp Info : 200-2079-A-12-V MSD
Misc Info : 200-2079-A-12-V MSD
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:52 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

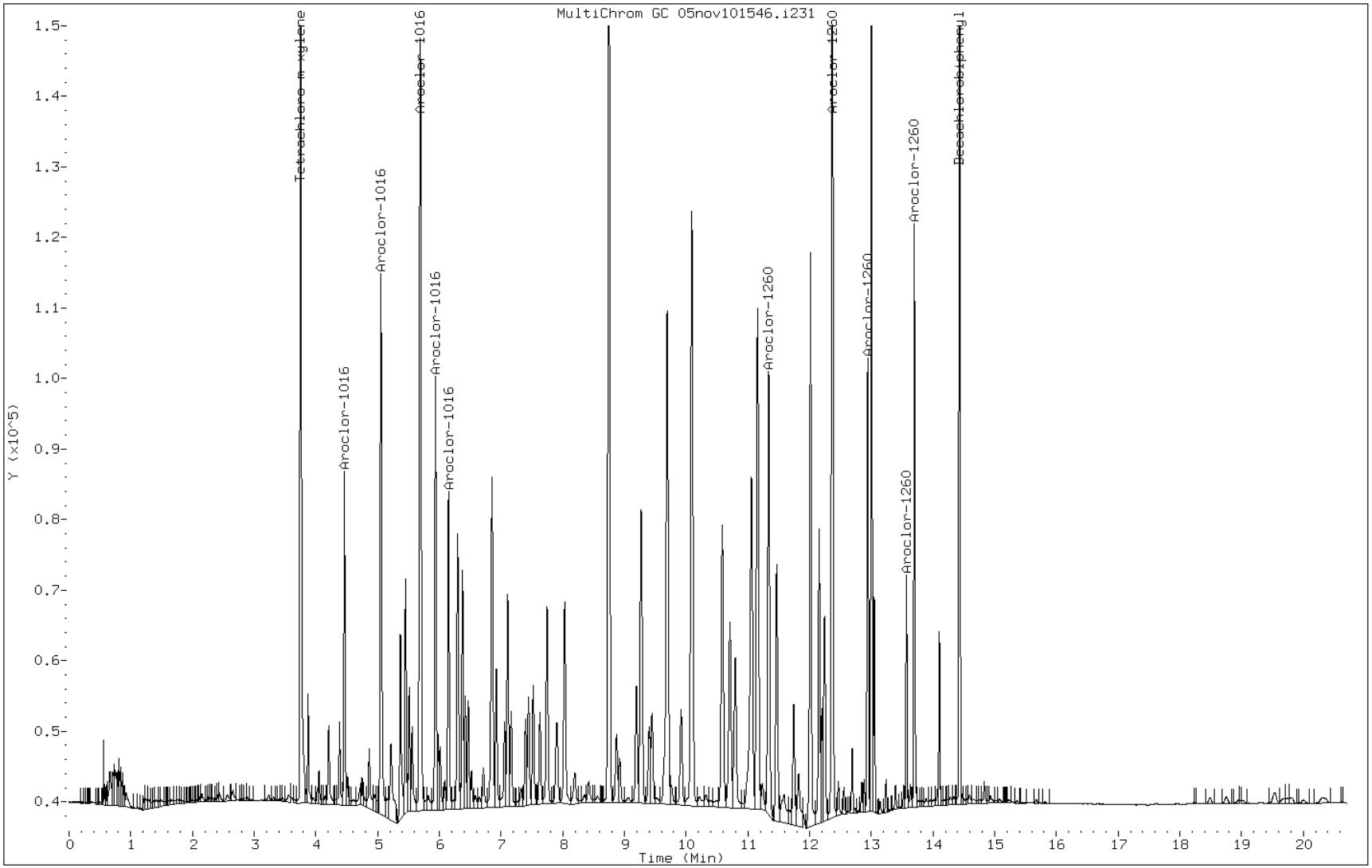
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.464	4.464	0.000	47335	431.254	431.3	80.00- 120.00	100.00(M)
5.054	5.054	0.000	76710	446.879	446.9	242.86- 282.86	162.06
5.695	5.697	-0.002	109477	415.678	415.7	231.90- 271.90	231.28
5.938	5.938	0.000	61545	485.284	485.3	98.24- 138.24	130.02
6.151	6.151	0.000	45116	428.631	428.6	94.08- 134.08	95.31
Average of Peak Concentrations =					441.5		
7 Aroclor-1260					CAS #: 11096-82-5		
11.338	11.343	-0.005	62725	386.914	386.9	80.00- 120.00	100.00
12.369	12.371	-0.002	198203	368.412	368.4	92.64- 132.64	315.99
12.943	12.945	-0.002	64345	341.807	341.8	69.99- 109.99	102.58
13.570	13.573	-0.003	33014	369.453	369.5	115.64- 155.64	52.63
13.699	13.701	-0.002	82765	401.083	401.1	57.50- 97.50	131.95
Average of Peak Concentrations =					373.5		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.753	3.753	0.000	219313	37.8036	37.80	80.00- 120.00	100.00(M)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.428	14.431	-0.003	239476	35.5555	35.56	80.00- 120.00	100.00

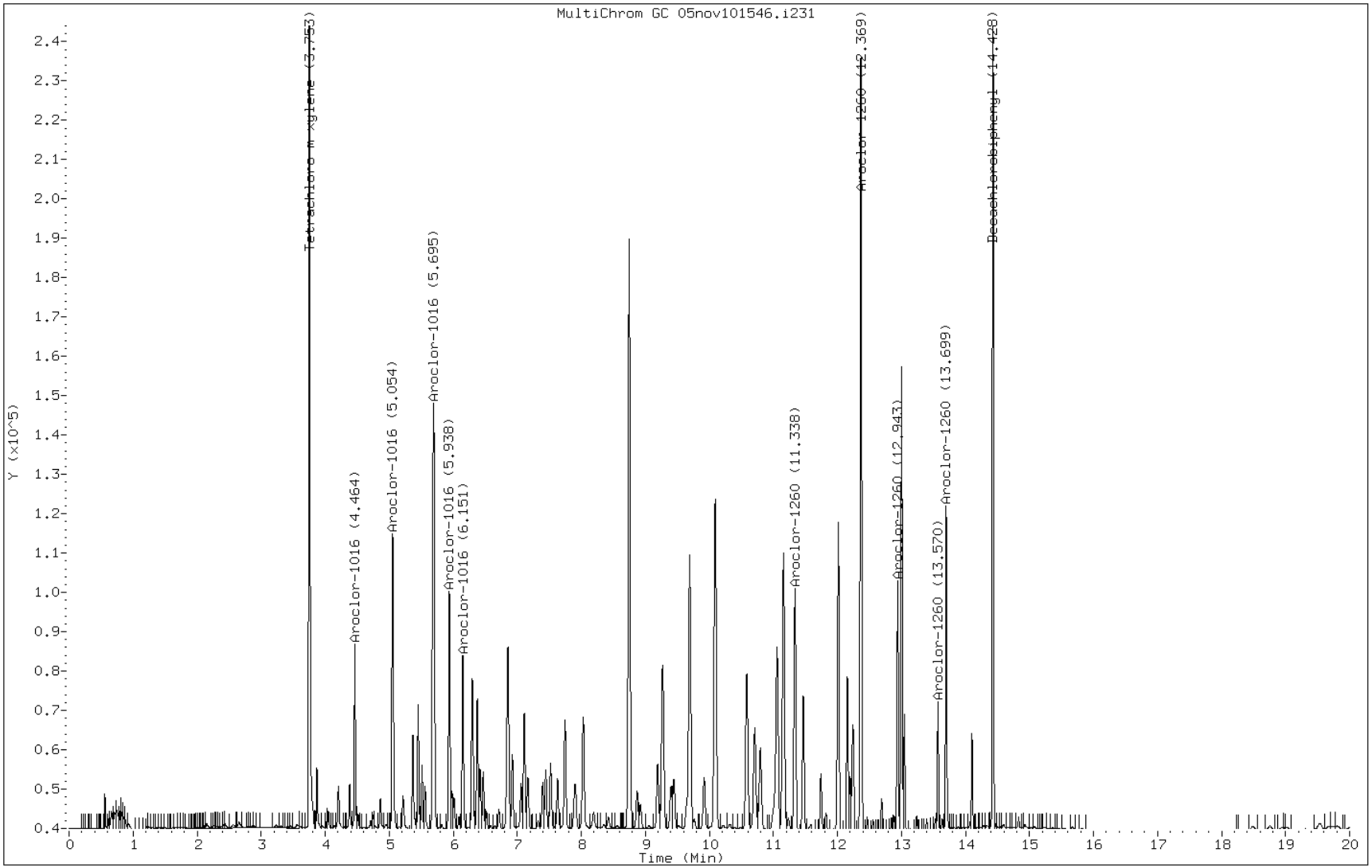
QC Flag Legend

M - Compound response manually integrated.

Data File:	05nov101546-r231.d	Date:	06-NOV-2010 00:44
Client ID:	RLB10-01	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-12-V MSD		
Lab Sample ID:	200-2079-12 MSD		



Data File:	05nov101546-r231.d	Date:	06-NOV-2010 00:44
Client ID:	RLB10-01	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-12-V MSD		



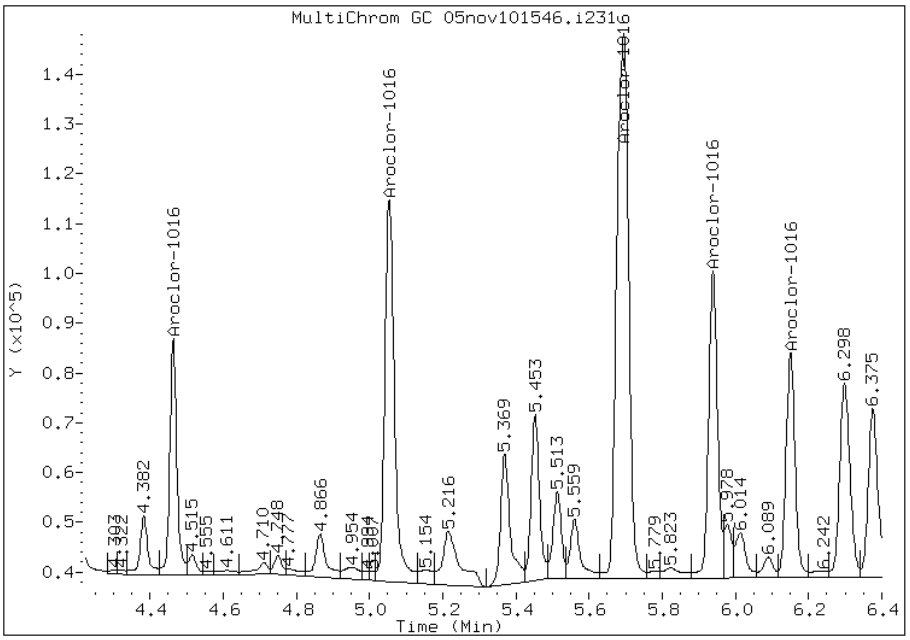
Manual Integration Report

Data File: 05nov101546-r231.d
Inj. Date and Time: 06-NOV-2010 00:44
Instrument ID: 7227_2.i
Client ID: RLB10-01
Compound: 1 Aroclor-1016
CAS #: 12674-11-2
Report Date: 11/10/2010

Processing Integration Results

RT	Response	Conc
4.46	48198*	439.12
5.05	77381*	450.79
5.69	110845*	420.87
5.94	62767*	494.92
6.15	46224*	439.16

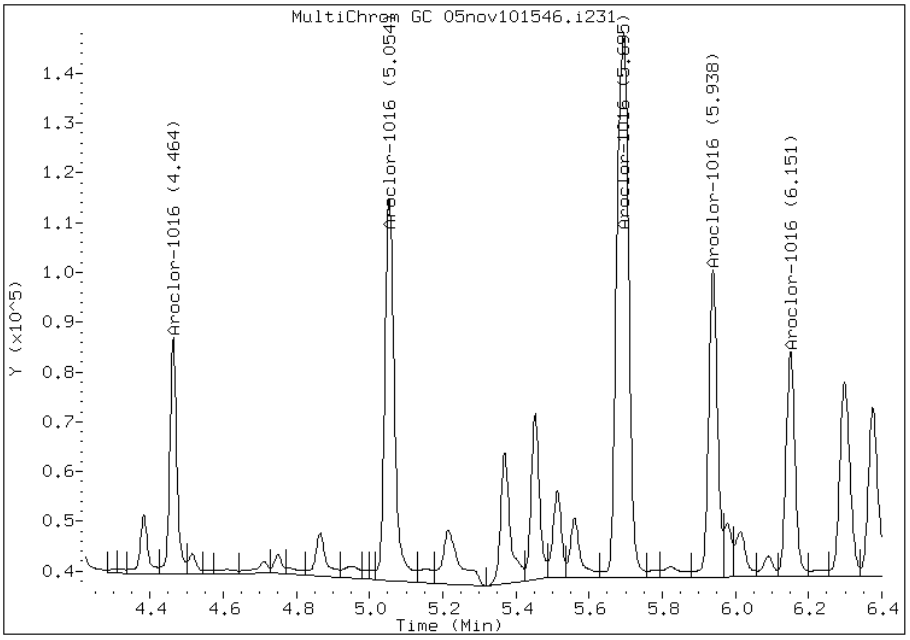
Final Conc		449.00



Manual Integration Results

RT	Response	Conc
4.46	47335*	431.25
5.05	76710*	446.88
5.69	109477*	415.68
5.94	61545*	485.28
6.15	45116*	428.63

Final Conc		441.50



File Uploaded By: sld
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 05nov101546-r231.d
Lab Sample ID: 200-2079-12 MSD
Inj. Date and Time: 06-NOV-2010 00:44
Instrument ID: 7227_2.i
Client ID: RLB10-01
Compound: 10 Tetrachloro-m-xylene
CAS #: 877-09-8
Report Date: 11/10/2010

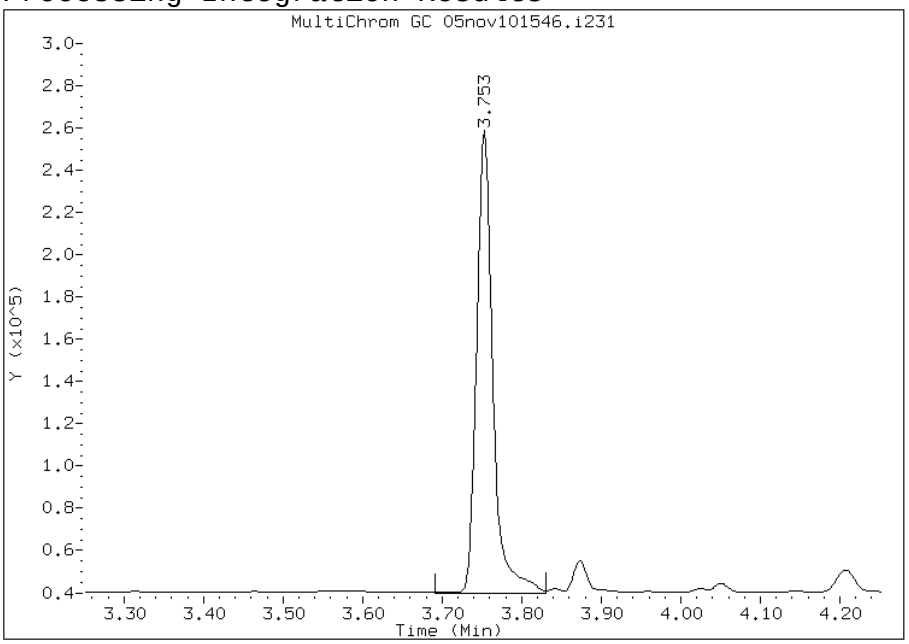
Processing Integration Results

RT: 3.75

Response: 219394

Amount: 37.82

Conc: 37.82



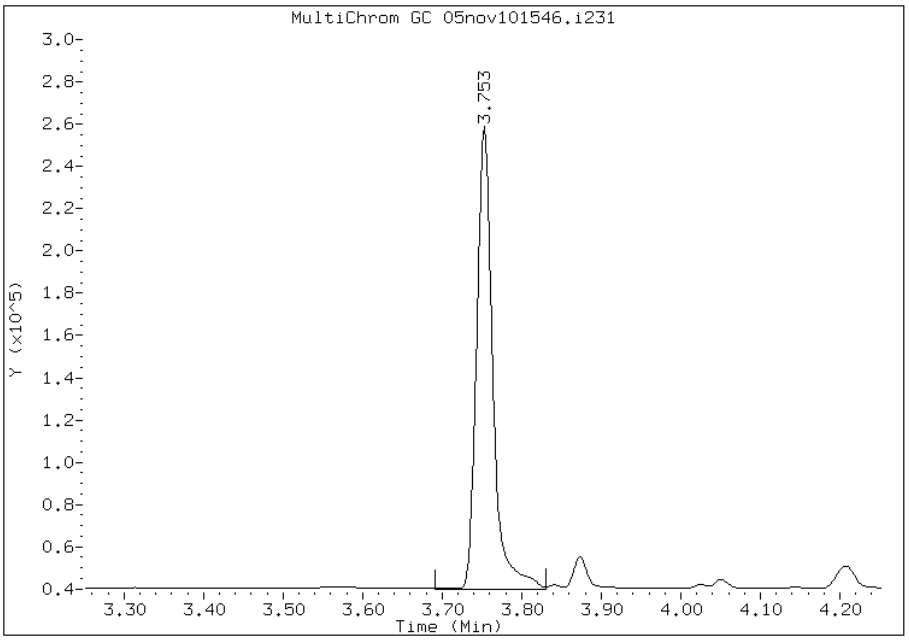
Manual Integration Results

RT: 3.75

Response: 219313

Amount: 37.80

Conc: 37.80



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB10-01 MSD RE | Lab Sample ID: 200-2079-12 MSD RE

Matrix: Tissue | Lab File ID: 15dec101459-r211.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.23(g) | Date Analyzed: 12/16/2010 05:47

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	367		20	10
11104-28-2	PCB-1221	20	U	20	10
11141-16-5	PCB-1232	20	U	20	10
53469-21-9	PCB-1242	20	U	20	10
12672-29-6	PCB-1248	20	U	20	10
11097-69-1	PCB-1254	20	U	20	10
11096-82-5	PCB-1260	385		20	10
37324-23-5	PCB-1262	20	U	20	10
11100-14-4	PCB-1268	20	U	20	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	95	E	30-130
2051-24-3	DCB Decachlorobiphenyl	70		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-12Q MS
Client Smp ID: RLB10-01MSD
Inj Date : 16-DEC-2010 05:47
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2079-A-12-AQ MSD
Misc Info : 200-2079-A-12-AQ MSD
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 11:42 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

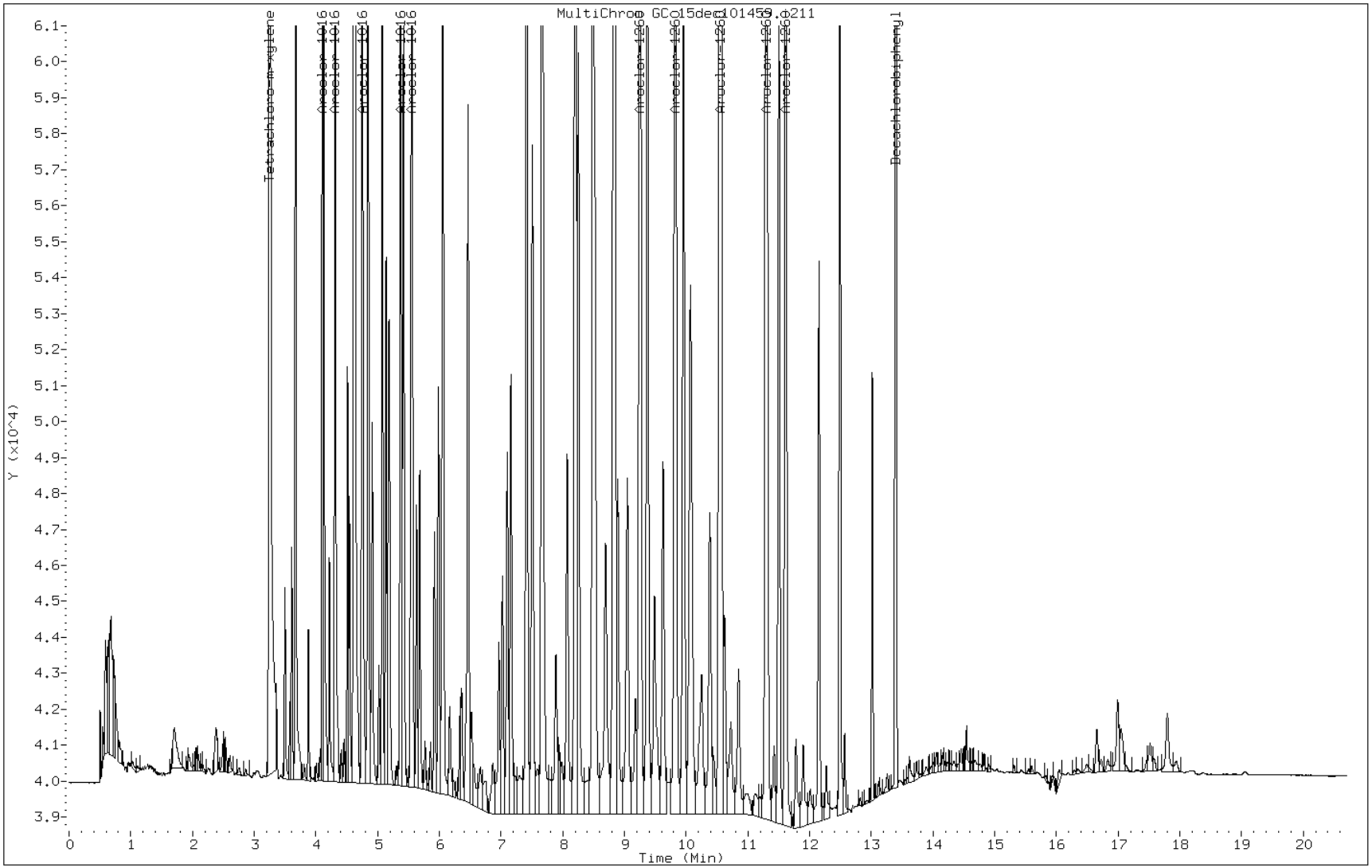
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
4.105	4.107	-0.002	46275	957.911	957.9	80.00- 120.00	100.00(AR)
4.311	4.314	-0.003	48263	978.509	978.5	242.86- 282.86	104.30
4.750	4.753	-0.003	52541	949.636	949.6	231.90- 271.90	113.54
5.371	5.375	-0.004	34144	922.530	922.5	98.24- 138.24	73.78
5.555	5.559	-0.004	33455	878.764	878.8	94.08- 134.08	72.30
Average of Peak Concentrations =					937.5		
7 Aroclor-1260					CAS #: 11096-82-5		
9.250	9.257	-0.007	48259	1027.10	1027	80.00- 120.00	100.00(ARM)
9.824	9.833	-0.009	50211	1051.40	1051	92.64- 132.64	104.04
10.551	10.558	-0.007	114709	1077.28	1077	69.99- 109.99	237.69
11.298	11.305	-0.007	52779	922.794	922.8	115.64- 155.64	109.37
11.613	11.618	-0.005	29437	847.230	847.2	57.50- 97.50	61.00
Average of Peak Concentrations =					985.2		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.252	3.254	-0.002	161377	95.1388	95.14	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.398	13.402	-0.004	147663	70.5844	70.58	80.00- 120.00	100.00(R)

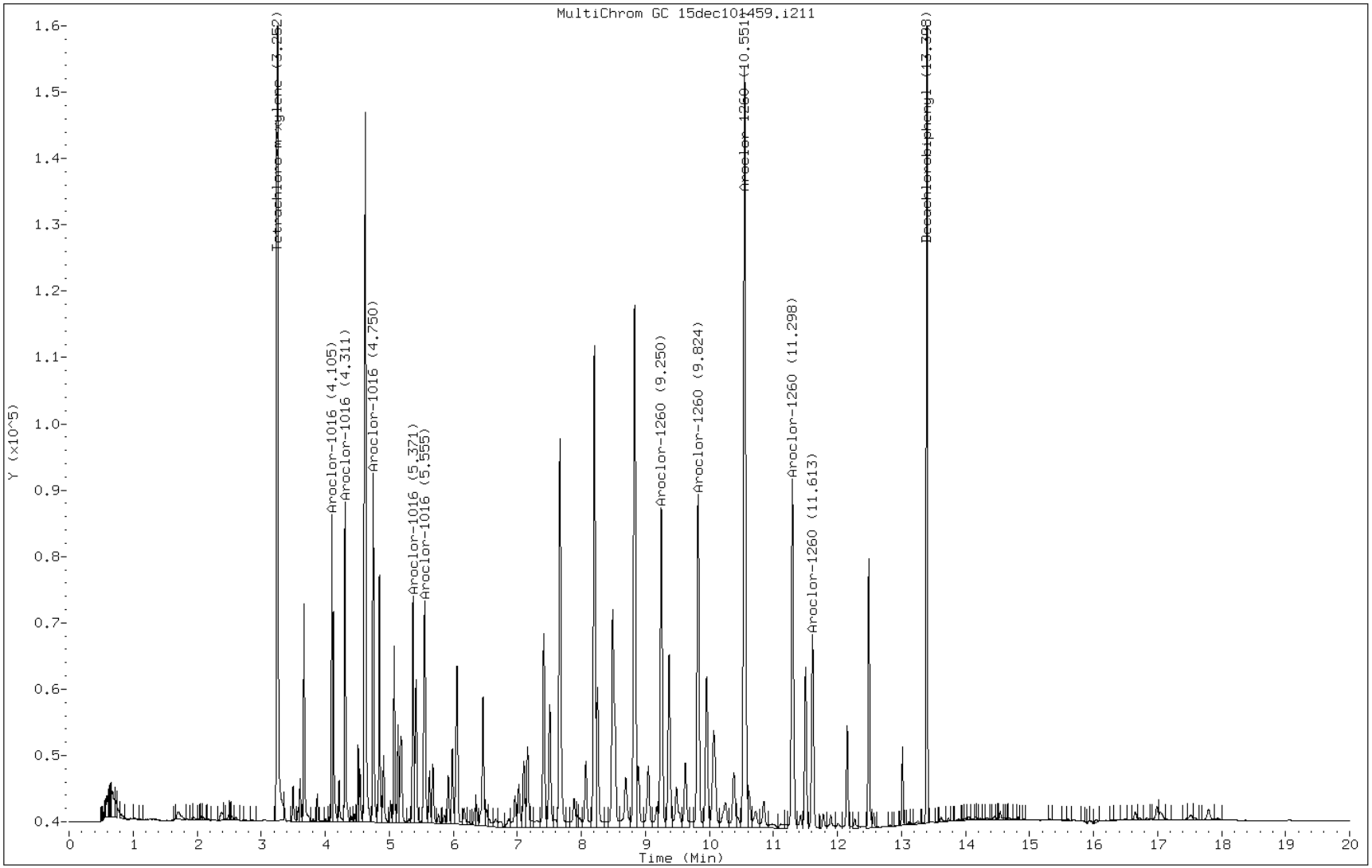
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r211.d	Date:	16-DEC-2010 05:47
Client ID:	RLB10-01MSD	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-12-AQ MSD		
Lab Sample ID:	200-2079-12Q MS		



Data File:	15dec101459-r211.d	Date:	16-DEC-2010 05:47
Client ID:	RLB10-01MSD	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-12-AQ MSD		



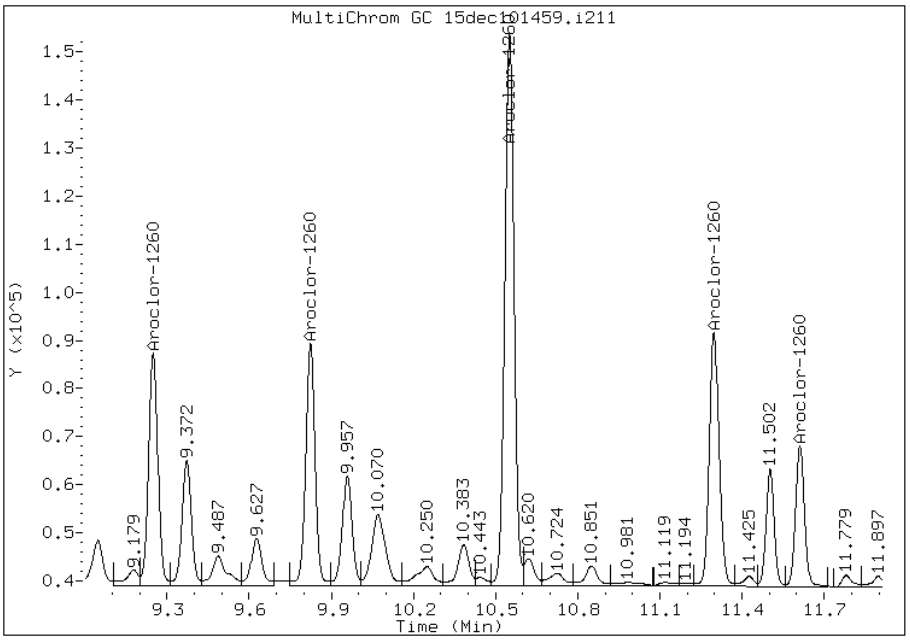
Manual Integration Report

Data File: 15dec101459-r211.d
Inj. Date and Time: 16-DEC-2010 05:47
Instrument ID: 3283_1.i
Client ID: RLB10-01MSD
Compound: 7 Aroclor-1260
CAS #: 11096-82-5
Report Date: 12/16/2010

Processing Integration Results

RT	Response	Conc
9.25	47562*	1012.26
9.82	49548*	1037.52
10.55	114380*	1074.19
11.30	52658*	920.68
11.61	29152*	839.03

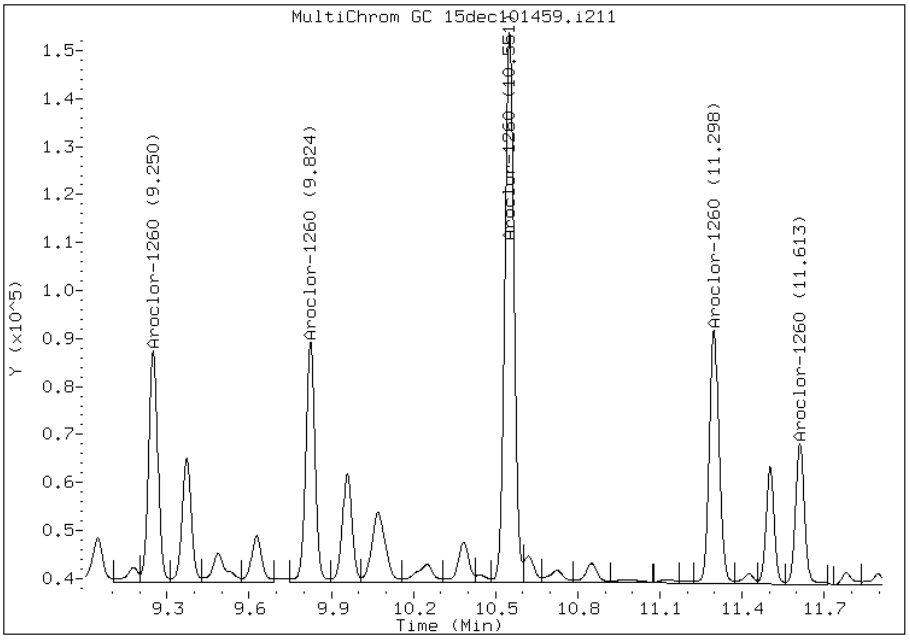
Final Conc		976.70



Manual Integration Results

RT	Response	Conc
9.25	48259*	1027.10
9.82	50211*	1051.40
10.55	114709*	1077.28
11.30	52779*	922.79
11.61	29437*	847.23

Final Conc		985.20



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB10-01 MSD RE | Lab Sample ID: 200-2079-12 MSD RE

Matrix: Tissue | Lab File ID: 15dec101459-r211.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.23(g) | Date Analyzed: 12/16/2010 05:47

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-35 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	93	*E*	30-130
2051-24-3	DCB Decachlorobiphenyl	86	E	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-12Q MS
Client Smp ID: RLB10-01MSD
Inj Date : 16-DEC-2010 05:47
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2079-A-12-AQ MSD
Misc Info :
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 11:13 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

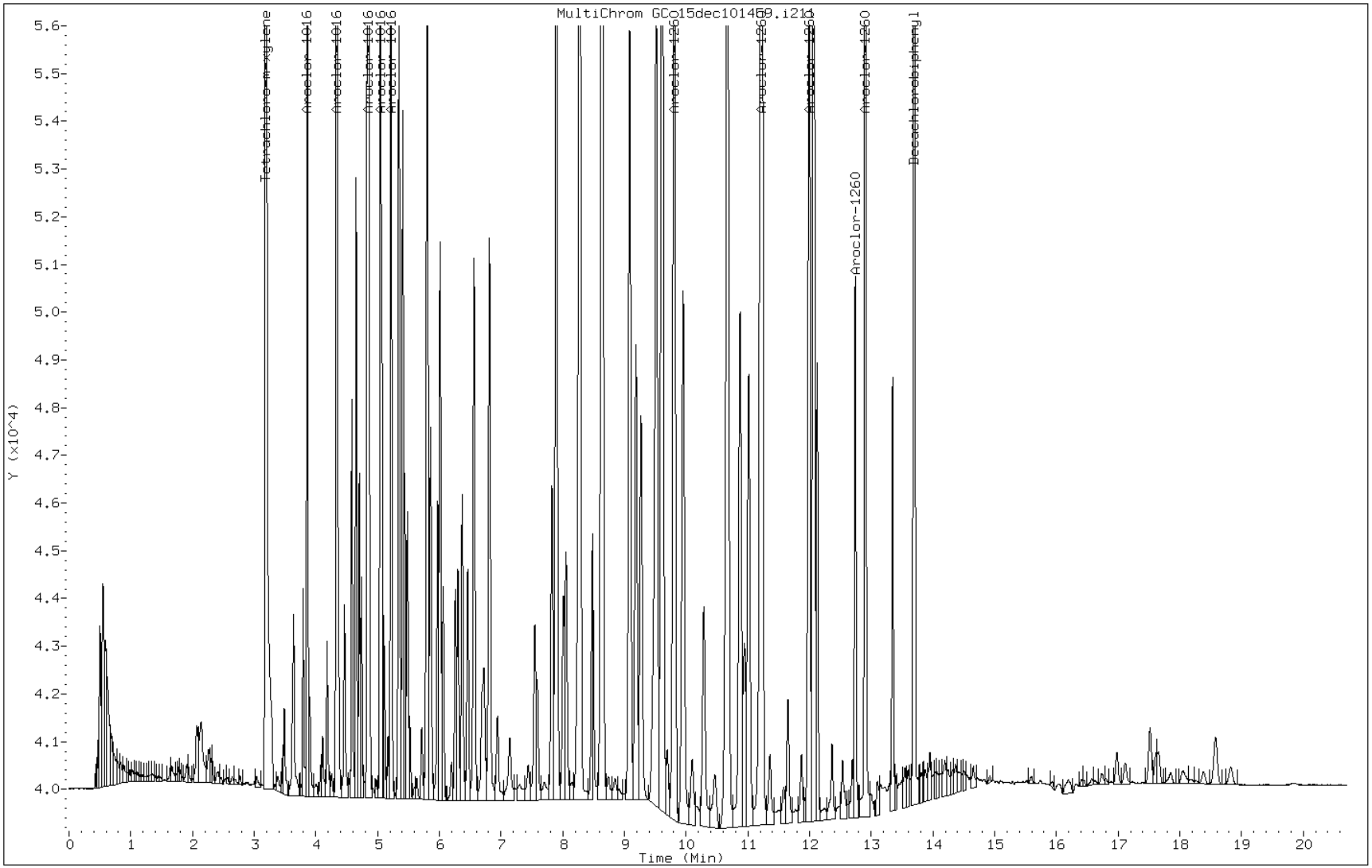
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 Aroclor-1016					CAS #: 12674-11-2		
3.859	3.861	-0.002	22511	936.758	936.8	80.00- 120.00	100.00(AM)
4.334	4.336	-0.002	40003	902.870	902.9	242.86- 282.86	177.70
4.846	4.848	-0.002	69908	924.083	924.1	231.90- 271.90	310.55
5.045	5.047	-0.002	24064	850.573	850.6	98.24- 138.24	106.90
5.218	5.220	-0.002	19906	885.410	885.4	94.08- 134.08	88.43
		Average of Peak Concentrations =			899.9		
7 Aroclor-1260					CAS #: 11096-82-5		
9.807	9.815	-0.008	21869	821.070	821.1	80.00- 120.00	100.00(AM)
11.216	11.227	-0.011	60633	846.239	846.2	92.64- 132.64	277.26
11.994	12.001	-0.007	19094	760.747	760.7	69.99- 109.99	87.31
12.741	12.748	-0.007	11334	801.939	801.9	115.64- 155.64	51.83
12.901	12.908	-0.007	32237	938.712	938.7	57.50- 97.50	147.41
		Average of Peak Concentrations =			833.7		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.188	3.190	-0.002	106429	93.0411	93.04	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.695	13.699	-0.004	115659	85.9551	85.96	80.00- 120.00	100.00(ARM)

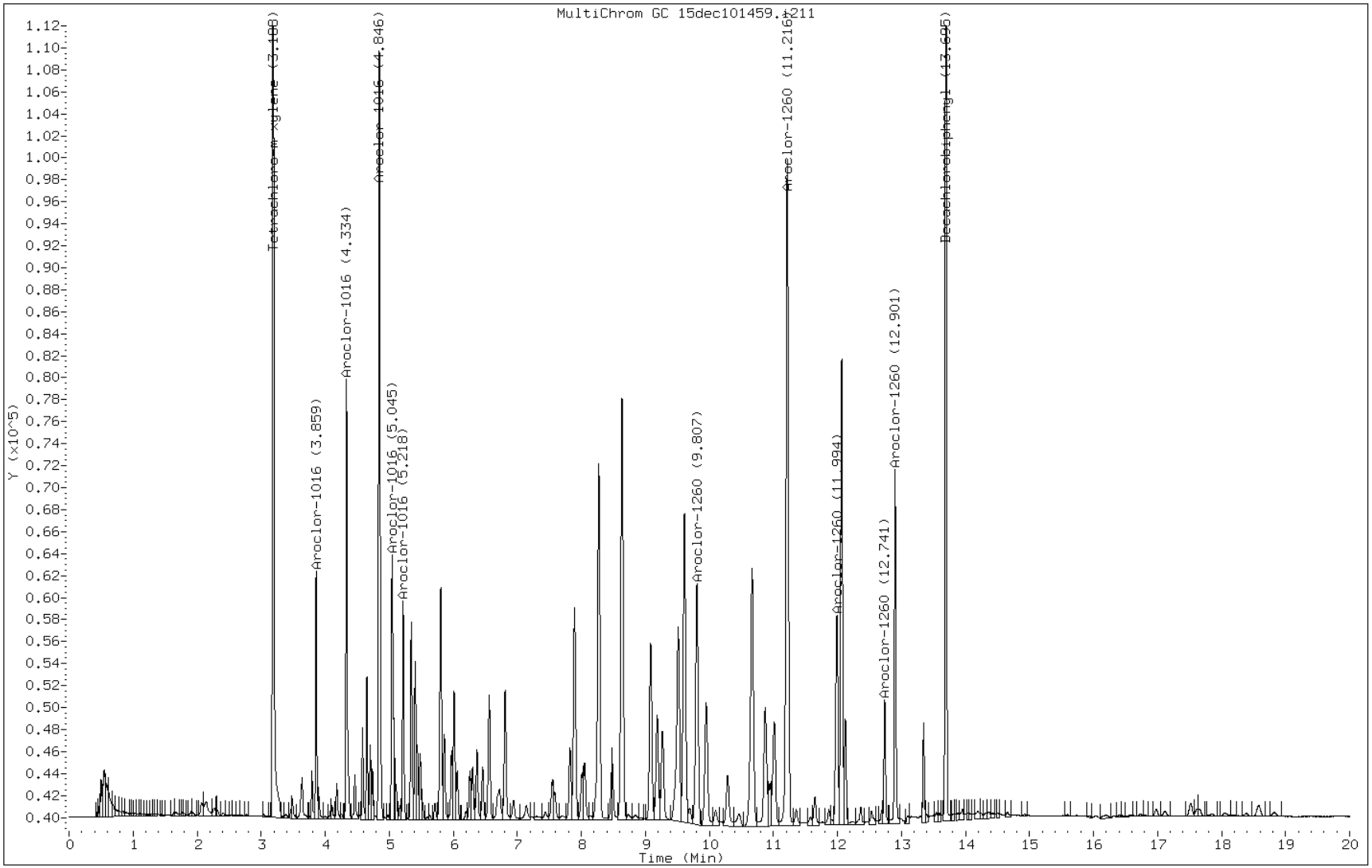
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	15dec101459-r211.d	Date:	16-DEC-2010 05:47
Client ID:	RLB10-01MSD	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-12-AQ MSD		
Lab Sample ID:	200-2079-12Q MS		



Data File:	15dec101459-r211.d	Date:	16-DEC-2010 05:47
Client ID:	RLB10-01MSD	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.2
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-12-AQ MSD		



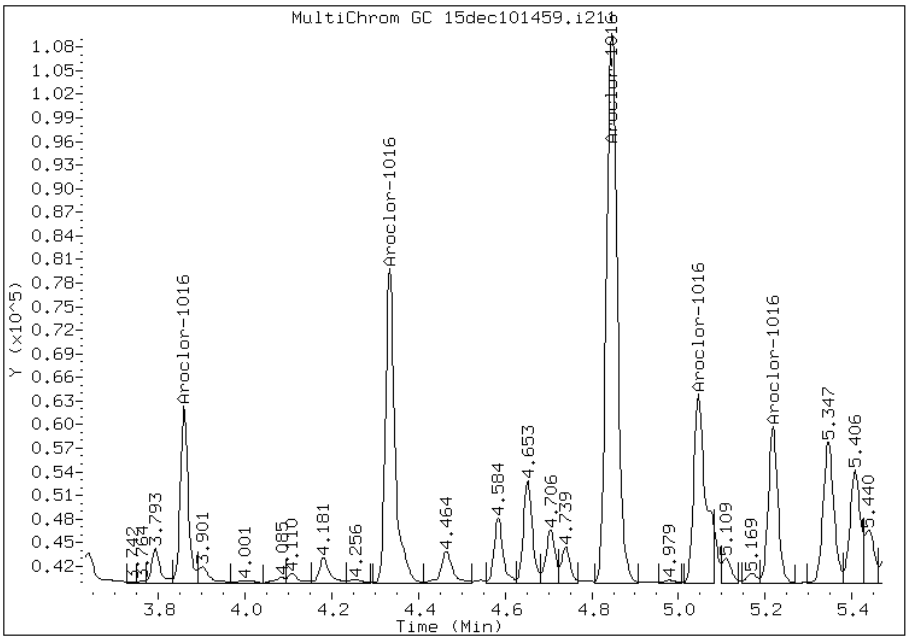
Manual Integration Report

Data File: 15dec101459-r211.d
Inj. Date and Time: 16-DEC-2010 05:47
Instrument ID: 3283_2.i
Client ID: RLB10-01MSD
Compound: 1 Aroclor-1016
CAS #: 12674-11-2
Report Date: 12/16/2010

Processing Integration Results

RT	Response	Conc
3.86	22511	936.76
4.33	39891*	900.34
4.85	69718*	921.57
5.05	22939*	810.81
5.22	19529*	868.64

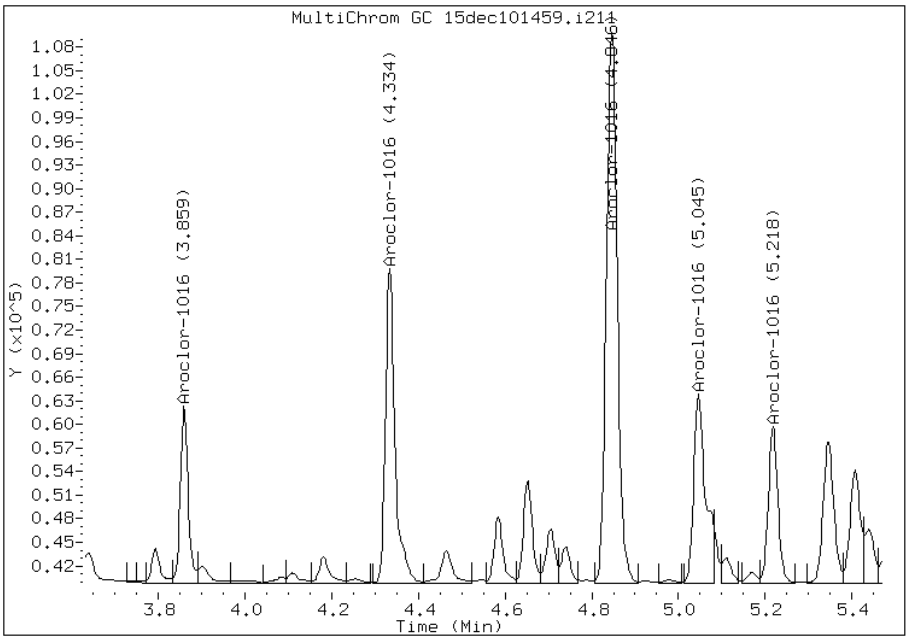
Final Conc		887.60



Manual Integration Results

RT	Response	Conc
3.86	22511	936.76
4.33	40003*	902.87
4.85	69908*	924.08
5.05	24064*	850.57
5.22	19906*	885.41

Final Conc		899.90



File Uploaded By: sld
Manual Integration Reason: Baseline event

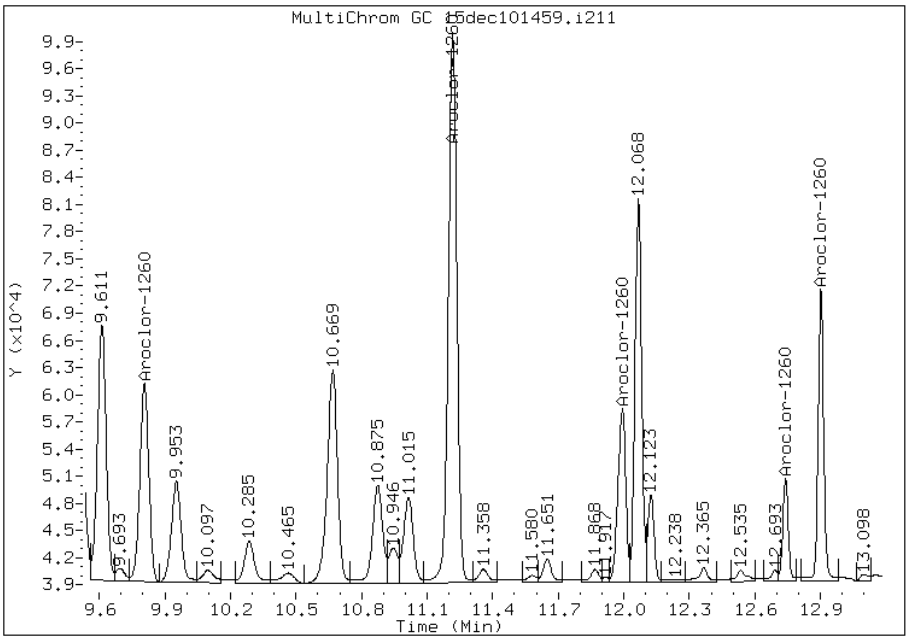
Manual Integration Report

Data File: 15dec101459-r211.d
Inj. Date and Time: 16-DEC-2010 05:47
Instrument ID: 3283_2.i
Client ID: RLB10-01MSD
Compound: 7 Aroclor-1260
CAS #: 11096-82-5
Report Date: 12/16/2010

Processing Integration Results

RT	Response	Conc
9.81	21880*	821.48
11.22	60452*	843.71
11.99	18809*	749.39
12.74	10917*	772.43
12.90	31829*	926.83

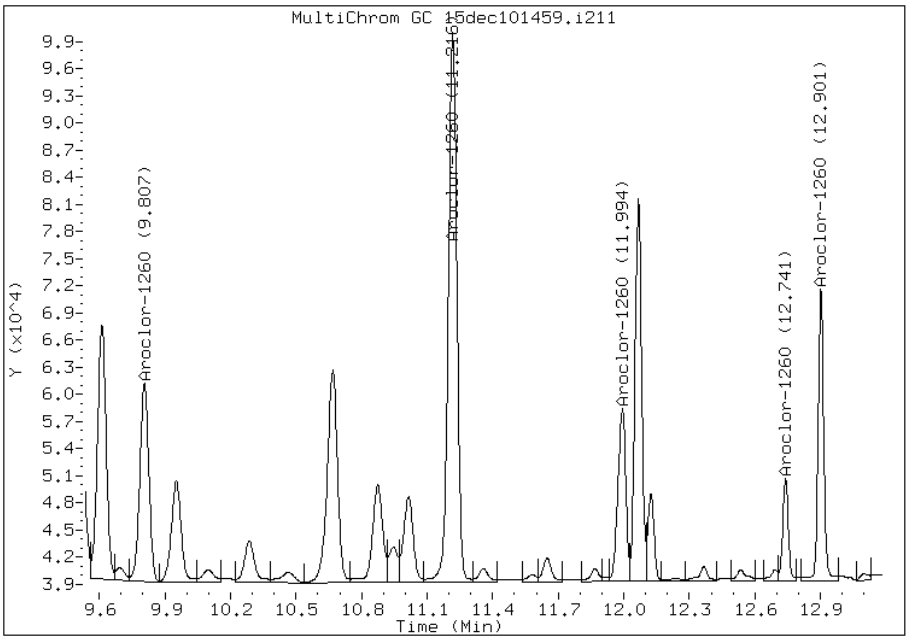
Final Conc		822.80



Manual Integration Results

RT	Response	Conc
9.81	21869*	821.07
11.22	60633*	846.24
11.99	19094*	760.75
12.74	11334*	801.94
12.90	32237*	938.71

Final Conc		833.70



File Uploaded By: sld
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: 15dec101459-r211.d
Lab Sample ID: 200-2079-12Q MS
Inj. Date and Time: 16-DEC-2010 05:47
Instrument ID: 3283_2.i
Client ID: RLB10-01MSD
Compound: 11 Decachlorobiphenyl
CAS #: 2051-24-3
Report Date: 12/16/2010

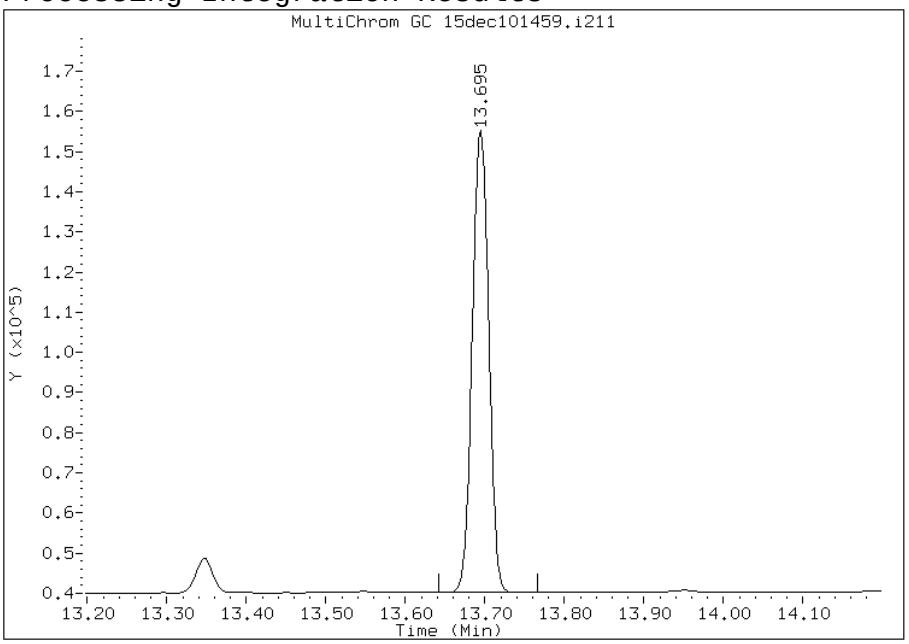
Processing Integration Results

RT: 13.69

Response: 115169

Amount: 85.59

Conc: 85.59



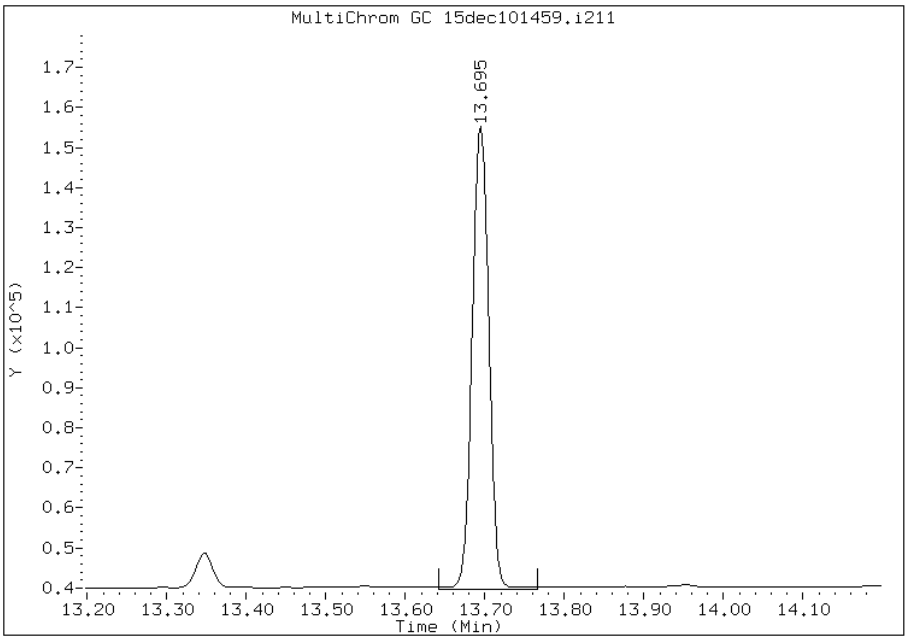
Manual Integration Results

RT: 13.69

Response: 115659

Amount: 85.96

Conc: 85.96



File Uploaded By: sld
Manual Integration Reason: Baseline event

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RVG10-02 DU | Lab Sample ID: 200-2079-4 DU

Matrix: Tissue | Lab File ID: 09nov101450-r281.d

Analysis Method: 8082 | Date Collected: 10/19/2010 12:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.01(g) | Date Analyzed: 11/10/2010 02:06

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9333 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	51	U	51	25
11104-28-2	PCB-1221	51	U	51	25
11141-16-5	PCB-1232	51	U	51	25
53469-21-9	PCB-1242	51	U	51	25
12672-29-6	PCB-1248	51	U	51	25
11097-69-1	PCB-1254	51	U	51	25
11096-82-5	PCB-1260	51	U	51	25
37324-23-5	PCB-1262	51	U	51	25
11100-14-4	PCB-1268	51	U	51	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	101		30-130
2051-24-3	DCB Decachlorobiphenyl	88		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-4 DU
Client Smp ID: RVG10-02
Inj Date : 10-NOV-2010 02:06
Operator : SLD Inst ID: 7227_1.i
Smp Info : 200-2079-A-4-X DU
Misc Info : 200-2079-A-4-X DU
Comment :
Method : /var/chem/7227_1.i/102210_1/09NOV101450.b/8082_RTX5.m
Meth Date : 10-Nov-2010 08:11 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 07:20 Cal File: 22oct102021-r281.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

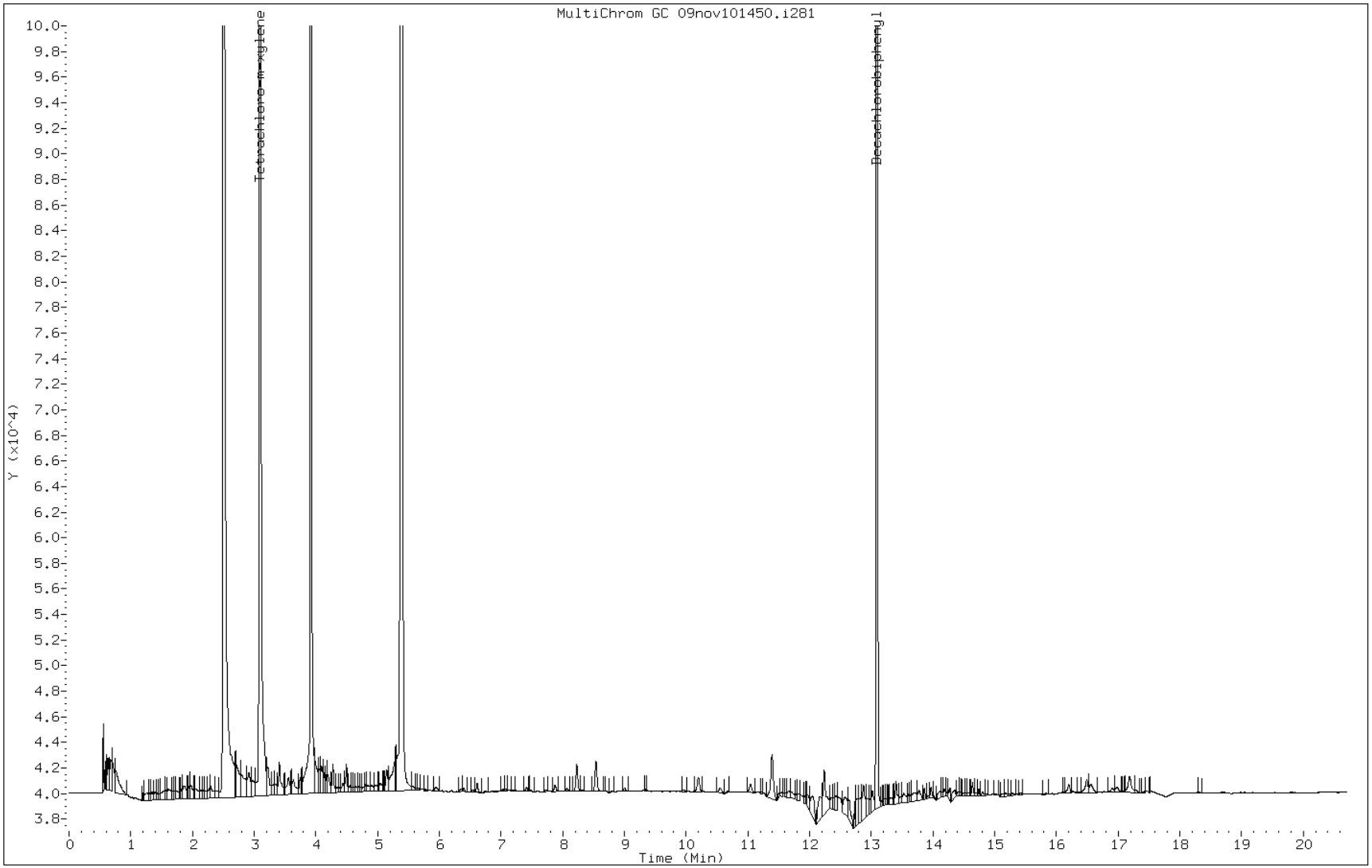
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.097	3.101	-0.004	146294	40.2158	40.22	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.089	13.098	-0.009	185802	35.1337	35.13	80.00- 120.00	100.00

Data File:	09nov101450-r281.d	Date:	10-NOV-2010 02:06
Client ID:	RVG10-02	Instrument:	7227_1.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-4-X DU		
Lab Sample ID:	200-2079-4 DU		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RVG10-02 DU Lab Sample ID: 200-2079-4 DU

Matrix: Tissue Lab File ID: 09nov101450-r281.d

Analysis Method: 8082 Date Collected: 10/19/2010 12:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.01(g) Date Analyzed: 11/10/2010 02:06

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9333 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	93		30-130
2051-24-3	DCB Decachlorobiphenyl	86		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-4 DU
Client Smp ID: RVG10-02
Inj Date : 10-NOV-2010 02:06
Operator : SLD Inst ID: 7227_2.i
Smp Info : 200-2079-A-4-X DU
Misc Info : 200-2079-A-4-X DU
Comment :
Method : /var/chem/7227_2.i/102210_1/09NOV101450.b/8082_RTX35.m
Meth Date : 10-Nov-2010 09:28 sld Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

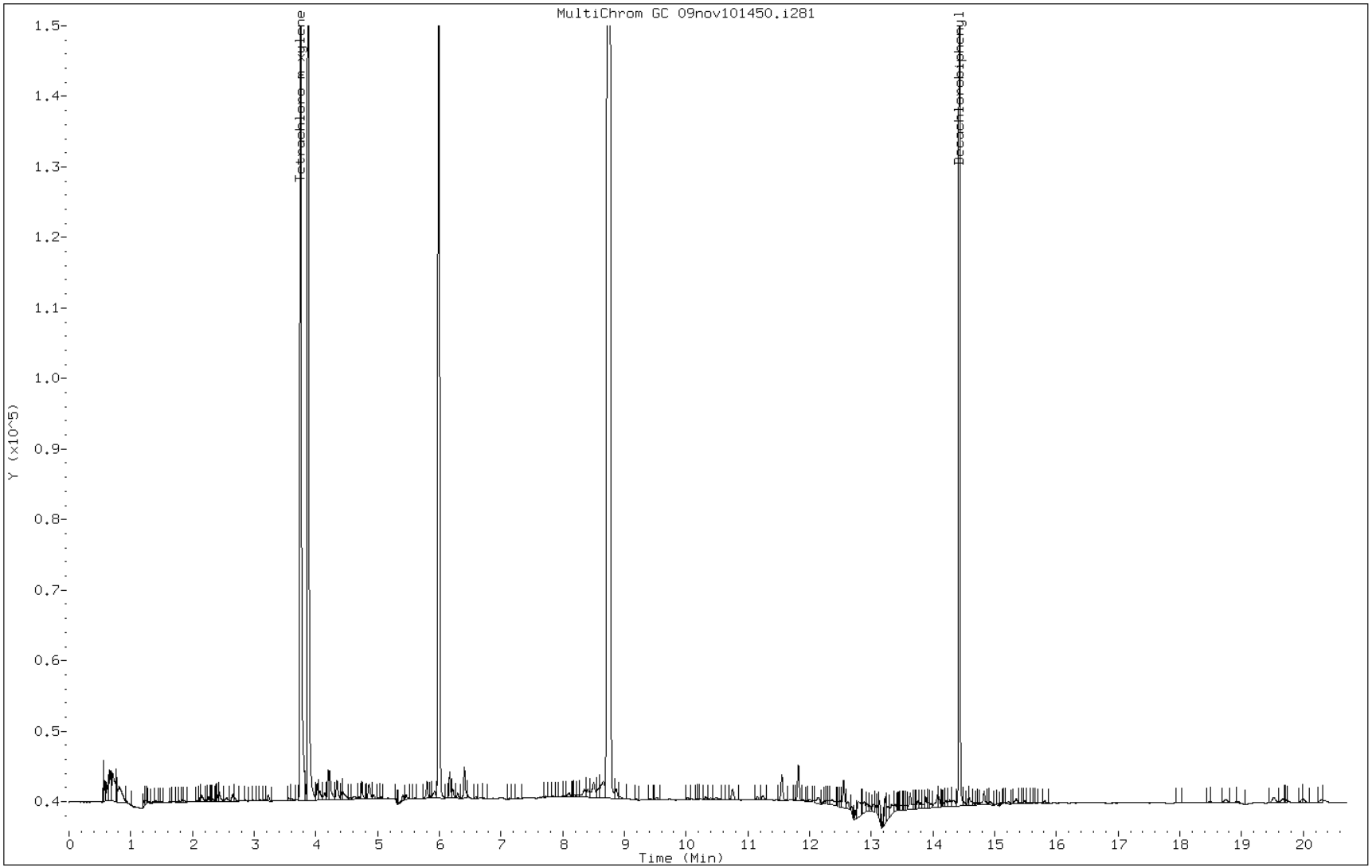
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.751	3.753	-0.002	215367	37.1234	37.12	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.426	14.431	-0.005	230976	34.2935	34.29	80.00- 120.00	100.00

Data File:	09nov101450-r281.d	Date:	10-NOV-2010 02:06
Client ID:	RVG10-02	Instrument:	7227_2.i
Operator:	SLD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-4-X DU		
Lab Sample ID:	200-2079-4 DU		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB10-01 DU | Lab Sample ID: 200-2079-12 DU

Matrix: Tissue | Lab File ID: 05nov101546-r211.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.19(g) | Date Analyzed: 11/05/2010 23:55

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	50	U	50	25
11104-28-2	PCB-1221	50	U	50	25
11141-16-5	PCB-1232	50	U	50	25
53469-21-9	PCB-1242	50	U	50	25
12672-29-6	PCB-1248	50	U	50	25
11097-69-1	PCB-1254	50	U	50	25
11096-82-5	PCB-1260	50	U	50	25
37324-23-5	PCB-1262	50	U	50	25
11100-14-4	PCB-1268	50	U	50	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	99		30-130
2051-24-3	DCB Decachlorobiphenyl	88		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-12 DU
Client Smp ID: RLB10-01
Inj Date : 05-NOV-2010 23:55
Operator : DPD Inst ID: 7227_1.i
Smp Info : 200-2079-A-12-T DU
Misc Info : 200-2079-A-12-T DU
Comment :
Method : /var/chem/7227_1.i/102210_1/05NOV101546.b/8082_RTX5.m
Meth Date : 06-Nov-2010 11:05 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

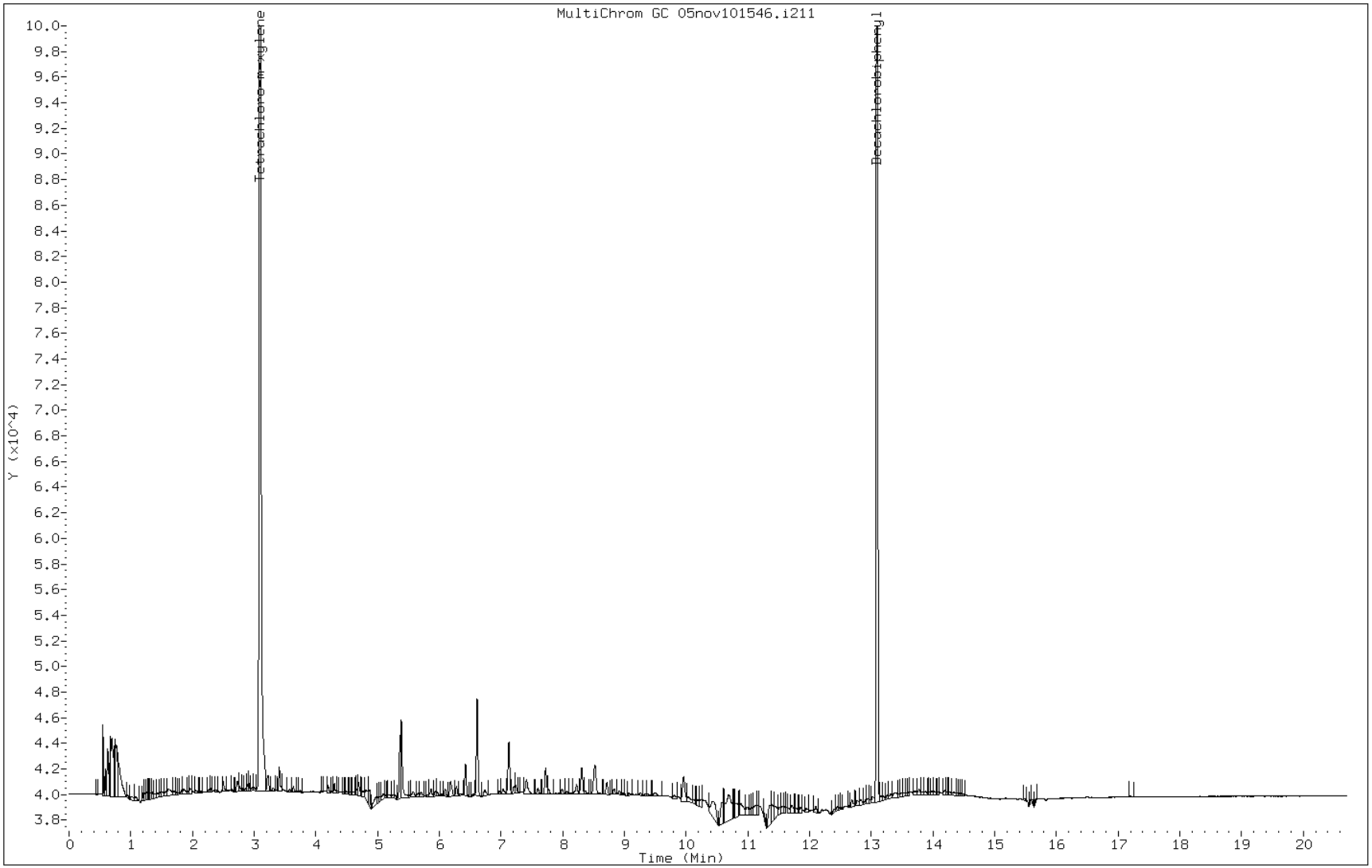
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.094	3.090	0.004	144599	39.7499	39.75	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.092	13.092	0.000	186935	35.3480	35.35	80.00- 120.00	100.00

Data File:	05nov101546-r211.d	Date:	05-NOV-2010 23:55
Client ID:	RLB10-01	Instrument:	7227_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-12-T DU		
Lab Sample ID:	200-2079-12 DU		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB10-01 DU Lab Sample ID: 200-2079-12 DU

Matrix: Tissue Lab File ID: 05nov101546-r211.d

Analysis Method: 8082 Date Collected: 10/19/2010 17:00

Extraction Method: In-House Date Extracted: 10/28/2010 16:01

Sample wt/vol: 10.19(g) Date Analyzed: 11/05/2010 23:55

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 9347 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	96		30-130
2051-24-3	DCB Decachlorobiphenyl	89		45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-12 DU
Client Smp ID: RLB10-01
Inj Date : 05-NOV-2010 23:55
Operator : DPD Inst ID: 7227_2.i
Smp Info : 200-2079-A-12-T DU
Misc Info : 200-2079-A-12-T DU
Comment :
Method : /var/chem/7227_2.i/102210_1/05NOV101546.b/8082_RTX35.m
Meth Date : 06-Nov-2010 10:52 dpd Quant Type: ESTD
Cal Date : 23-OCT-2010 08:56 Cal File: 22oct102021-r321.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: TISSUE
Processing Host: chemsvr5

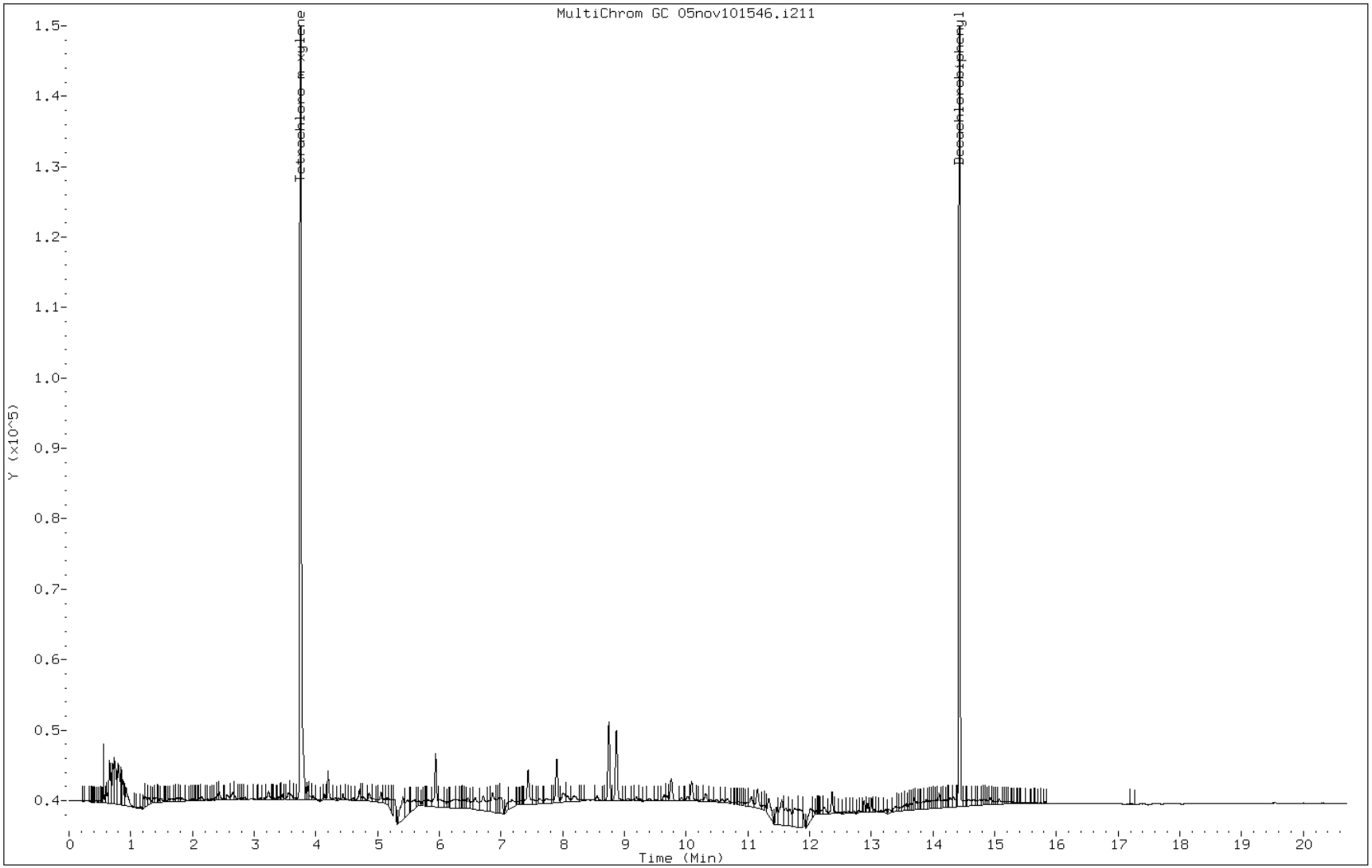
Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.751	3.753	-0.002	223579	38.5390	38.54	80.00- 120.00	100.00
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.428	14.431	-0.003	240963	35.7763	35.78	80.00- 120.00	100.00

Data File:	05nov101546-r211.d	Date:	05-NOV-2010 23:55
Client ID:	RLB10-01	Instrument:	7227_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-12-T DU		
Lab Sample ID:	200-2079-12 DU		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB10-01 DU RE | Lab Sample ID: 200-2079-12 DU RE

Matrix: Tissue | Lab File ID: 15dec101459-r191.d

Analysis Method: 8082 | Date Collected: 10/19/2010 17:00

Extraction Method: In-House | Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.19(g) | Date Analyzed: 12/16/2010 04:58

Con. Extract Vol.: 4000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-5 ID: 0.25(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	20	U	20	10
11104-28-2	PCB-1221	20	U	20	10
11141-16-5	PCB-1232	20	U	20	10
53469-21-9	PCB-1242	20	U	20	10
12672-29-6	PCB-1248	20	U	20	10
11097-69-1	PCB-1254	20	U	20	10
11096-82-5	PCB-1260	20	U	20	10
37324-23-5	PCB-1262	20	U	20	10
11100-14-4	PCB-1268	20	U	20	10

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	97	E	30-130
2051-24-3	DCB Decachlorobiphenyl	90	*E*	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-12O DU
Client Smp ID: RLB10-01
Inj Date : 16-DEC-2010 04:58
Operator : DPD Inst ID: 3283_1.i
Smp Info : 200-2079-A-12-AO DU
Misc Info : 200-2079-A-12-AO DU
Comment :
Method : /var/chem/3283_1.i/121510_1/15DEC101459.b/8082_RTX5.m
Meth Date : 16-Dec-2010 08:03 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

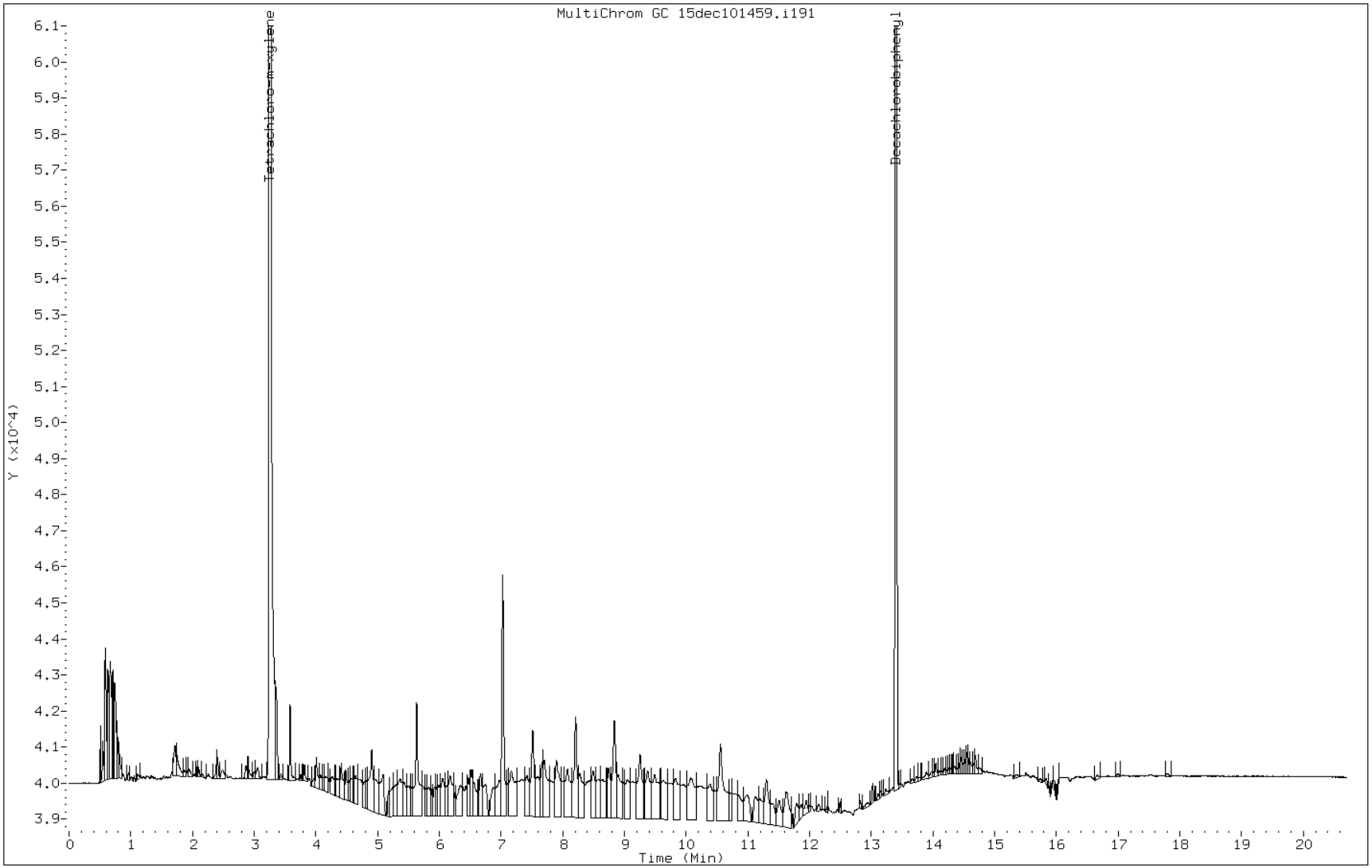
Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.256	3.254	0.002	164478	96.9669	96.97	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.400	13.402	-0.002	189175	90.4275	90.43	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r191.d	Date:	16-DEC-2010 04:58
Client ID:	RLB10-01	Instrument:	3283_1.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-5		
Sample Info:	200-2079-A-12-AO DU		
Lab Sample ID:	200-2079-12O DU		



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Client Sample ID: RLB10-01 DU RE Lab Sample ID: 200-2079-12 DU RE

Matrix: Tissue Lab File ID: 15dec101459-r191.d

Analysis Method: 8082 Date Collected: 10/19/2010 17:00

Extraction Method: In-House Date Extracted: 11/30/2010 09:35

Sample wt/vol: 10.19(g) Date Analyzed: 12/16/2010 04:58

Con. Extract Vol.: 4000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-35 ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 11224 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	94	*E*	30-130
2051-24-3	DCB Decachlorobiphenyl	94	E	45-125

TestAmerica Burlington

Lab Sample Id: 200-2079-12O DU
Client Smp ID: RLB10-01
Inj Date : 16-DEC-2010 04:58
Operator : DPD Inst ID: 3283_2.i
Smp Info : 200-2079-A-12-AO DU
Misc Info : 200-2079-A-12-AO DU
Comment :
Method : /var/chem/3283_2.i/121510_1/15DEC101459.b/8082_RTX35.m
Meth Date : 16-Dec-2010 09:00 sld Quant Type: ESTD
Cal Date : 15-DEC-2010 20:18 Cal File: 15dec101426-r151.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: SOIL
Processing Host: chemsvr5

Concentration Formula: Amt * DF * Vi/Vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vi	1.00000	Volume injected (uL)

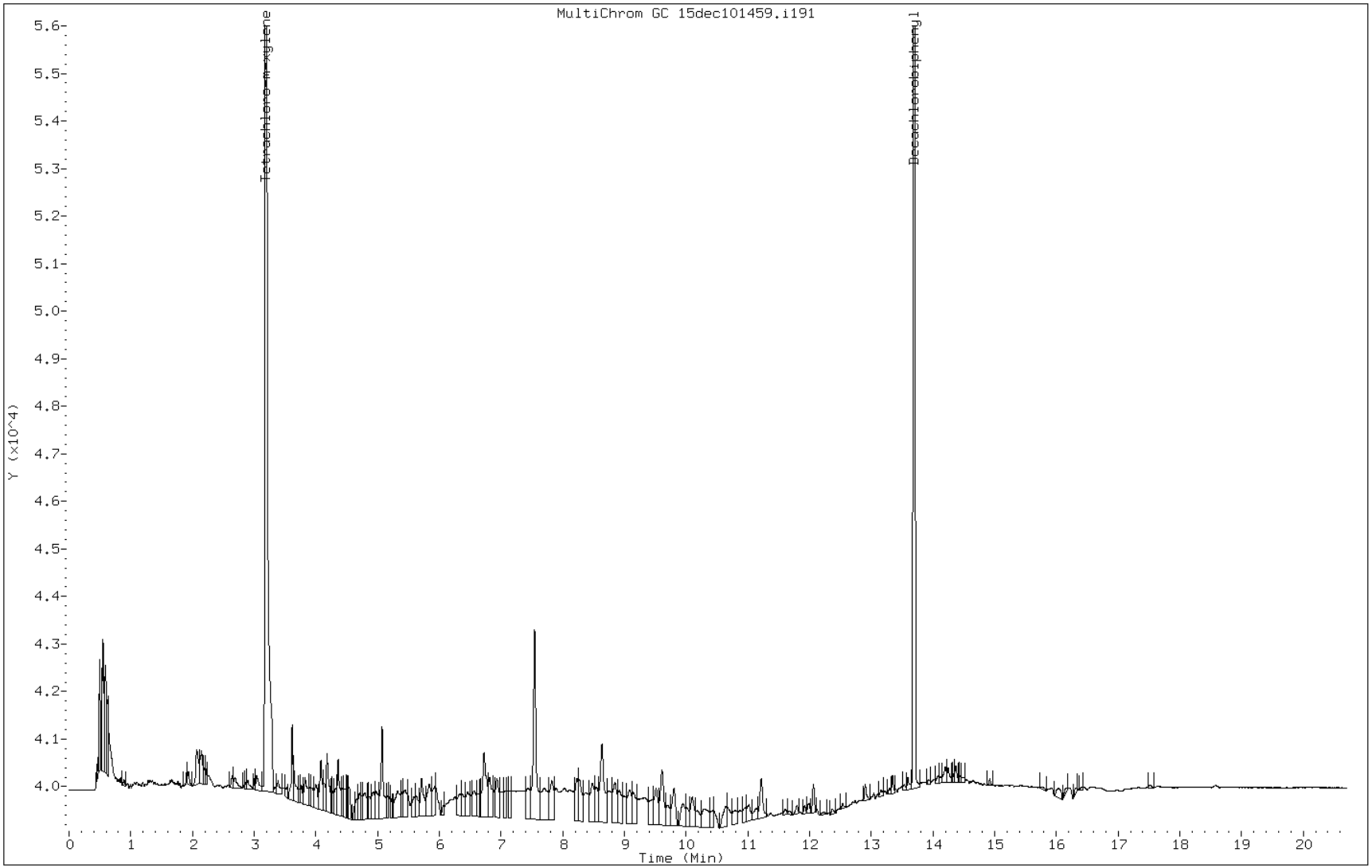
Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
$ 10 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.188	3.190	-0.002	107055	93.5883	93.59	80.00- 120.00	100.00(AR)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
13.695	13.699	-0.004	126129	93.7361	93.74	80.00- 120.00	100.00(AR)

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.

Data File:	15dec101459-r191.d	Date:	16-DEC-2010 04:58
Client ID:	RLB10-01	Instrument:	3283_2.i
Operator:	DPD	Inj Vol:	1.0
Column Type:		Diameter:	0.25
Stationary Phase:	RTX-35		
Sample Info:	200-2079-A-12-AO DU		
Lab Sample ID:	200-2079-12O DU		



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 3283.i Start Date: 12/15/2010 14:34

Analysis Batch Number: 11196 End Date: 12/15/2010 21:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 200-11196/1		12/15/2010 14:34	1		RTX-5 0.25(mm)
PIBLK 200-11196/1		12/15/2010 14:34	1		RTX-35 0.25(mm)
PIBLK 200-11196/2		12/15/2010 14:59	1		RTX-5 0.25(mm)
PIBLK 200-11196/2		12/15/2010 14:59	1		RTX-35 0.25(mm)
PIBLK 200-11196/3		12/15/2010 15:24	1		RTX-5 0.25(mm)
PIBLK 200-11196/3		12/15/2010 15:24	1		RTX-35 0.25(mm)
IC 200-11196/4		12/15/2010 15:48	1	15dec101426-r04 1.d	RTX-5 0.25(mm)
IC 200-11196/4		12/15/2010 15:48	1	15dec101426-r04 1.d	RTX-35 0.25(mm)
IC 200-11196/5		12/15/2010 16:13	1	15dec101426-r05 1.d	RTX-5 0.25(mm)
IC 200-11196/5		12/15/2010 16:13	1	15dec101426-r05 1.d	RTX-35 0.25(mm)
IC 200-11196/6		12/15/2010 16:38	1	15dec101426-r06 1.d	RTX-5 0.25(mm)
IC 200-11196/6		12/15/2010 16:38	1	15dec101426-r06 1.d	RTX-35 0.25(mm)
IC 200-11196/7		12/15/2010 17:02	1	15dec101426-r07 1.d	RTX-5 0.25(mm)
IC 200-11196/7		12/15/2010 17:02	1	15dec101426-r07 1.d	RTX-35 0.25(mm)
IC 200-11196/8		12/15/2010 17:27	1	15dec101426-r08 1.d	RTX-5 0.25(mm)
IC 200-11196/8		12/15/2010 17:27	1	15dec101426-r08 1.d	RTX-35 0.25(mm)
IC 200-11196/9		12/15/2010 17:51	1	15dec101426-r09 1.d	RTX-5 0.25(mm)
IC 200-11196/9		12/15/2010 17:51	1	15dec101426-r09 1.d	RTX-35 0.25(mm)
IC 200-11196/10		12/15/2010 18:16	1	15dec101426-r10 1.d	RTX-5 0.25(mm)
IC 200-11196/10		12/15/2010 18:16	1	15dec101426-r10 1.d	RTX-35 0.25(mm)
IC 200-11196/11		12/15/2010 18:40	1	15dec101426-r11 1.d	RTX-5 0.25(mm)
IC 200-11196/11		12/15/2010 18:40	1	15dec101426-r11 1.d	RTX-35 0.25(mm)
IC 200-11196/12		12/15/2010 19:05	1	15dec101426-r12 1.d	RTX-5 0.25(mm)
IC 200-11196/12		12/15/2010 19:05	1	15dec101426-r12 1.d	RTX-35 0.25(mm)
ICRT 200-11196/13		12/15/2010 19:29	1	15dec101426-r13 1.d	RTX-5 0.25(mm)
ICRT 200-11196/13		12/15/2010 19:29	1	15dec101426-r13 1.d	RTX-35 0.25(mm)
IC 200-11196/14		12/15/2010 19:53	1	15dec101426-r14 1.d	RTX-5 0.25(mm)
IC 200-11196/14		12/15/2010 19:53	1	15dec101426-r14 1.d	RTX-35 0.25(mm)
IC 200-11196/15		12/15/2010 20:18	1	15dec101426-r15 1.d	RTX-5 0.25(mm)
IC 200-11196/15		12/15/2010 20:18	1	15dec101426-r15 1.d	RTX-35 0.25(mm)
PIBLK 200-11196/16		12/15/2010 20:43	1		RTX-5 0.25(mm)
PIBLK 200-11196/16		12/15/2010 20:43	1		RTX-35 0.25(mm)
ICV 200-11196/17		12/15/2010 21:08	1	15dec101426-r17 1.d	RTX-5 0.25(mm)
ICV 200-11196/17		12/15/2010 21:08	1	15dec101426-r17 1.d	RTX-35 0.25(mm)

8082

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 3283.i Start Date: 12/15/2010 21:32

Analysis Batch Number: 11224 End Date: 12/16/2010 09:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
MB 200-10336/1-C		12/15/2010 21:32	1	15dec101459-r01 1.d	RTX-5 0.25(mm)
MB 200-10336/1-C		12/15/2010 21:32	1	15dec101459-r01 1.d	RTX-35 0.25(mm)
LCS 200-10336/2-C		12/15/2010 21:56	1	15dec101459-r02 1.d	RTX-5 0.25(mm)
LCS 200-10336/2-C		12/15/2010 21:56	1	15dec101459-r02 1.d	RTX-35 0.25(mm)
200-2079-1 RE	RFF10-02 RE	12/15/2010 22:21	1	15dec101459-r03 1.d	RTX-5 0.25(mm)
200-2079-1 RE	RFF10-02 RE	12/15/2010 22:21	1	15dec101459-r03 1.d	RTX-35 0.25(mm)
200-2079-2 RE	RBC10-05 RE	12/15/2010 22:45	1	15dec101459-r04 1.d	RTX-5 0.25(mm)
200-2079-2 RE	RBC10-05 RE	12/15/2010 22:45	1	15dec101459-r04 1.d	RTX-35 0.25(mm)
200-2079-3 RE	RVG10-01 RE	12/15/2010 23:11	1	15dec101459-r05 1.d	RTX-5 0.25(mm)
200-2079-3 RE	RVG10-01 RE	12/15/2010 23:11	1	15dec101459-r05 1.d	RTX-35 0.25(mm)
200-2079-4 RE	RVG10-02 RE	12/15/2010 23:35	1	15dec101459-r06 1.d	RTX-5 0.25(mm)
200-2079-4 RE	RVG10-02 RE	12/15/2010 23:35	1	15dec101459-r06 1.d	RTX-35 0.25(mm)
ZZZZZ		12/15/2010 23:59	1		RTX-5 0.25(mm)
ZZZZZ		12/15/2010 23:59	1		RTX-35 0.25(mm)
ZZZZZ		12/16/2010 00:25	1		RTX-5 0.25(mm)
ZZZZZ		12/16/2010 00:25	1		RTX-35 0.25(mm)
ZZZZZ		12/16/2010 00:50	1		RTX-5 0.25(mm)
ZZZZZ		12/16/2010 00:50	1		RTX-35 0.25(mm)
200-2079-5 RE	RVG10-03 RE	12/16/2010 01:15	1	15dec101459-r10 1.d	RTX-5 0.25(mm)
200-2079-5 RE	RVG10-03 RE	12/16/2010 01:15	1	15dec101459-r10 1.d	RTX-35 0.25(mm)
CCV 200-11224/11		12/16/2010 01:39	1	15dec101459-r11 1.d	RTX-5 0.25(mm)
CCV 200-11224/11		12/16/2010 01:39	1	15dec101459-r11 1.d	RTX-35 0.25(mm)
200-2079-6 RE	RFF10-05 RE	12/16/2010 02:04	1	15dec101459-r12 1.d	RTX-5 0.25(mm)
200-2079-6 RE	RFF10-05 RE	12/16/2010 02:04	1	15dec101459-r12 1.d	RTX-35 0.25(mm)
200-2079-7 RE	RBC10-02 RE	12/16/2010 02:29	1	15dec101459-r13 1.d	RTX-5 0.25(mm)
200-2079-7 RE	RBC10-02 RE	12/16/2010 02:29	1	15dec101459-r13 1.d	RTX-35 0.25(mm)
200-2079-8 RE	RBC10-01 RE	12/16/2010 02:54	1	15dec101459-r14 1.d	RTX-5 0.25(mm)
200-2079-8 RE	RBC10-01 RE	12/16/2010 02:54	1	15dec101459-r14 1.d	RTX-35 0.25(mm)
200-2079-9 RE	RFF10-04 RE	12/16/2010 03:19	1	15dec101459-r15 1.d	RTX-5 0.25(mm)
200-2079-9 RE	RFF10-04 RE	12/16/2010 03:19	1	15dec101459-r15 1.d	RTX-35 0.25(mm)
200-2079-10 RE	RFF10-03 RE	12/16/2010 03:44	1	15dec101459-r16 1.d	RTX-5 0.25(mm)
200-2079-10 RE	RFF10-03 RE	12/16/2010 03:44	1	15dec101459-r16 1.d	RTX-35 0.25(mm)
200-2079-11 RE	RFF10-01 RE	12/16/2010 04:09	1	15dec101459-r17 1.d	RTX-5 0.25(mm)

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PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 3283.i Start Date: 12/15/2010 21:32

Analysis Batch Number: 11224 End Date: 12/16/2010 09:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
200-2079-11 RE	RFF10-01 RE	12/16/2010 04:09	1	15dec101459-r171.d	RTX-35 0.25(mm)
200-2079-12 RE	RLB10-01 RE	12/16/2010 04:33	1	15dec101459-r181.d	RTX-5 0.25(mm)
200-2079-12 RE	RLB10-01 RE	12/16/2010 04:33	1	15dec101459-r181.d	RTX-35 0.25(mm)
200-2079-12 DU RE	RLB10-01 DU RE	12/16/2010 04:58	1	15dec101459-r191.d	RTX-5 0.25(mm)
200-2079-12 DU RE	RLB10-01 DU RE	12/16/2010 04:58	1	15dec101459-r191.d	RTX-35 0.25(mm)
200-2079-12 MS RE	RLB10-01 MS RE	12/16/2010 05:23	1	15dec101459-r201.d	RTX-5 0.25(mm)
200-2079-12 MS RE	RLB10-01 MS RE	12/16/2010 05:23	1	15dec101459-r201.d	RTX-35 0.25(mm)
200-2079-12 MSD RE	RLB10-01 MSD RE	12/16/2010 05:47	1	15dec101459-r211.d	RTX-5 0.25(mm)
200-2079-12 MSD RE	RLB10-01 MSD RE	12/16/2010 05:47	1	15dec101459-r211.d	RTX-35 0.25(mm)
CCV 200-11224/22		12/16/2010 06:13	1	15dec101459-r221.d	RTX-5 0.25(mm)
CCV 200-11224/22		12/16/2010 06:13	1	15dec101459-r221.d	RTX-35 0.25(mm)
200-2079-13 RE	RLB-10-02 RE	12/16/2010 06:37	1	15dec101459-r231.d	RTX-5 0.25(mm)
200-2079-13 RE	RLB-10-02 RE	12/16/2010 06:37	1	15dec101459-r231.d	RTX-35 0.25(mm)
200-2079-14 RE	EQBLKPT RE	12/16/2010 07:03	1	15dec101459-r241.d	RTX-5 0.25(mm)
200-2079-14 RE	EQBLKPT RE	12/16/2010 07:03	1	15dec101459-r241.d	RTX-35 0.25(mm)
200-2079-15 RE	EQBLKFT RE	12/16/2010 07:28	1	15dec101459-r251.d	RTX-5 0.25(mm)
200-2079-15 RE	EQBLKFT RE	12/16/2010 07:28	1	15dec101459-r251.d	RTX-35 0.25(mm)
200-2081-2 RE	VG10-07 RE	12/16/2010 07:53	1	15dec101459-r261.d	RTX-5 0.25(mm)
200-2081-2 RE	VG10-07 RE	12/16/2010 07:53	1	15dec101459-r261.d	RTX-35 0.25(mm)
200-2081-3 RE	VG10-15 RE	12/16/2010 08:19	1	15dec101459-r271.d	RTX-5 0.25(mm)
200-2081-3 RE	VG10-15 RE	12/16/2010 08:19	1	15dec101459-r271.d	RTX-35 0.25(mm)
200-2081-4 RE	VG10-01 RE	12/16/2010 08:44	1	15dec101459-r281.d	RTX-5 0.25(mm)
200-2081-4 RE	VG10-01 RE	12/16/2010 08:44	1	15dec101459-r281.d	RTX-35 0.25(mm)
200-2081-5 RE	VG10-14 RE	12/16/2010 09:08	1	15dec101459-r291.d	RTX-5 0.25(mm)
200-2081-5 RE	VG10-14 RE	12/16/2010 09:08	1	15dec101459-r291.d	RTX-35 0.25(mm)
CCV 200-11224/30		12/16/2010 09:34	1	15dec101459-r301.d	RTX-5 0.25(mm)
CCV 200-11224/30		12/16/2010 09:34	1	15dec101459-r301.d	RTX-35 0.25(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 7227.i Start Date: 10/22/2010 20:26

Analysis Batch Number: 8378 End Date: 10/23/2010 09:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 200-8378/1		10/22/2010 20:26	1		RTX-5 0.25(mm)
PIBLK 200-8378/1		10/22/2010 20:26	1		RTX-35 0.25(mm)
PIBLK 200-8378/2		10/22/2010 20:50	1		RTX-5 0.25(mm)
PIBLK 200-8378/2		10/22/2010 20:50	1		RTX-35 0.25(mm)
PIBLK 200-8378/3		10/22/2010 21:14	1		RTX-5 0.25(mm)
PIBLK 200-8378/3		10/22/2010 21:14	1		RTX-35 0.25(mm)
IC 200-8378/4		10/22/2010 21:38	1	22oct102021-r04 1.d	RTX-5 0.25(mm)
IC 200-8378/4		10/22/2010 21:38	1	22oct102021-r04 1.d	RTX-35 0.25(mm)
IC 200-8378/5		10/22/2010 22:03	1	22oct102021-r05 1.d	RTX-5 0.25(mm)
IC 200-8378/5		10/22/2010 22:03	1	22oct102021-r05 1.d	RTX-35 0.25(mm)
IC 200-8378/6		10/22/2010 22:27	1	22oct102021-r06 1.d	RTX-5 0.25(mm)
IC 200-8378/6		10/22/2010 22:27	1	22oct102021-r06 1.d	RTX-35 0.25(mm)
IC 200-8378/7		10/22/2010 22:51	1	22oct102021-r07 1.d	RTX-5 0.25(mm)
IC 200-8378/7		10/22/2010 22:51	1	22oct102021-r07 1.d	RTX-35 0.25(mm)
IC 200-8378/8		10/22/2010 23:15	1	22oct102021-r08 1.d	RTX-5 0.25(mm)
IC 200-8378/8		10/22/2010 23:15	1	22oct102021-r08 1.d	RTX-35 0.25(mm)
IC 200-8378/9		10/22/2010 23:39	1	22oct102021-r09 1.d	RTX-5 0.25(mm)
IC 200-8378/9		10/22/2010 23:39	1	22oct102021-r09 1.d	RTX-35 0.25(mm)
IC 200-8378/10		10/23/2010 00:04	1	22oct102021-r10 1.d	RTX-5 0.25(mm)
IC 200-8378/10		10/23/2010 00:04	1	22oct102021-r10 1.d	RTX-35 0.25(mm)
IC 200-8378/11		10/23/2010 00:28	1	22oct102021-r11 1.d	RTX-5 0.25(mm)
IC 200-8378/11		10/23/2010 00:28	1	22oct102021-r11 1.d	RTX-35 0.25(mm)
IC 200-8378/12		10/23/2010 00:52	1	22oct102021-r12 1.d	RTX-5 0.25(mm)
IC 200-8378/12		10/23/2010 00:52	1	22oct102021-r12 1.d	RTX-35 0.25(mm)
IC 200-8378/13		10/23/2010 01:16	1	22oct102021-r13 1.d	RTX-5 0.25(mm)
IC 200-8378/13		10/23/2010 01:16	1	22oct102021-r13 1.d	RTX-35 0.25(mm)
IC 200-8378/14		10/23/2010 01:40	1	22oct102021-r14 1.d	RTX-5 0.25(mm)
IC 200-8378/14		10/23/2010 01:40	1	22oct102021-r14 1.d	RTX-35 0.25(mm)
IC 200-8378/15		10/23/2010 02:05	1	22oct102021-r15 1.d	RTX-5 0.25(mm)
IC 200-8378/15		10/23/2010 02:05	1	22oct102021-r15 1.d	RTX-35 0.25(mm)
IC 200-8378/16		10/23/2010 02:29	1	22oct102021-r16 1.d	RTX-5 0.25(mm)
IC 200-8378/16		10/23/2010 02:29	1	22oct102021-r16 1.d	RTX-35 0.25(mm)
IC 200-8378/17		10/23/2010 02:53	1	22oct102021-r17 1.d	RTX-5 0.25(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 7227.i Start Date: 10/22/2010 20:26

Analysis Batch Number: 8378 End Date: 10/23/2010 09:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 200-8378/17		10/23/2010 02:53	1	22oct102021-r17 1.d	RTX-35 0.25(mm)
IC 200-8378/18		10/23/2010 03:17	1	22oct102021-r18 1.d	RTX-5 0.25(mm)
IC 200-8378/18		10/23/2010 03:17	1	22oct102021-r18 1.d	RTX-35 0.25(mm)
IC 200-8378/19		10/23/2010 03:41	1	22oct102021-r19 1.d	RTX-5 0.25(mm)
IC 200-8378/19		10/23/2010 03:41	1	22oct102021-r19 1.d	RTX-35 0.25(mm)
IC 200-8378/20		10/23/2010 04:06	1	22oct102021-r20 1.d	RTX-5 0.25(mm)
IC 200-8378/20		10/23/2010 04:06	1	22oct102021-r20 1.d	RTX-35 0.25(mm)
IC 200-8378/21		10/23/2010 04:30	1	22oct102021-r21 1.d	RTX-5 0.25(mm)
IC 200-8378/21		10/23/2010 04:30	1	22oct102021-r21 1.d	RTX-35 0.25(mm)
IC 200-8378/22		10/23/2010 04:54	1	22oct102021-r22 1.d	RTX-5 0.25(mm)
IC 200-8378/22		10/23/2010 04:54	1	22oct102021-r22 1.d	RTX-35 0.25(mm)
IC 200-8378/23		10/23/2010 05:18	1	22oct102021-r23 1.d	RTX-5 0.25(mm)
IC 200-8378/23		10/23/2010 05:18	1	22oct102021-r23 1.d	RTX-35 0.25(mm)
IC 200-8378/24		10/23/2010 05:43	1	22oct102021-r24 1.d	RTX-5 0.25(mm)
IC 200-8378/24		10/23/2010 05:43	1	22oct102021-r24 1.d	RTX-35 0.25(mm)
IC 200-8378/25		10/23/2010 06:07	1	22oct102021-r25 1.d	RTX-5 0.25(mm)
IC 200-8378/25		10/23/2010 06:07	1	22oct102021-r25 1.d	RTX-35 0.25(mm)
IC 200-8378/26		10/23/2010 06:31	1	22oct102021-r26 1.d	RTX-5 0.25(mm)
IC 200-8378/26		10/23/2010 06:31	1	22oct102021-r26 1.d	RTX-35 0.25(mm)
PIBLK 200-8378/27		10/23/2010 06:55	1		RTX-5 0.25(mm)
PIBLK 200-8378/27		10/23/2010 06:55	1		RTX-35 0.25(mm)
IC 200-8378/28		10/23/2010 07:20	1	22oct102021-r28 1.d	RTX-5 0.25(mm)
IC 200-8378/28		10/23/2010 07:20	1	22oct102021-r28 1.d	RTX-35 0.25(mm)
IC 200-8378/29		10/23/2010 07:44	1	22oct102021-r29 1.d	RTX-5 0.25(mm)
IC 200-8378/29		10/23/2010 07:44	1	22oct102021-r29 1.d	RTX-35 0.25(mm)
ICRT 200-8378/30		10/23/2010 08:08	1	22oct102021-r30 1.d	RTX-5 0.25(mm)
ICRT 200-8378/30		10/23/2010 08:08	1	22oct102021-r30 1.d	RTX-35 0.25(mm)
IC 200-8378/31		10/23/2010 08:32	1	22oct102021-r31 1.d	RTX-5 0.25(mm)
IC 200-8378/31		10/23/2010 08:32	1	22oct102021-r31 1.d	RTX-35 0.25(mm)
IC 200-8378/32		10/23/2010 08:56	1	22oct102021-r32 1.d	RTX-5 0.25(mm)
IC 200-8378/32		10/23/2010 08:56	1	22oct102021-r32 1.d	RTX-35 0.25(mm)
PIBLK 200-8378/33		10/23/2010 09:21	1		RTX-5 0.25(mm)
PIBLK 200-8378/33		10/23/2010 09:21	1		RTX-35 0.25(mm)

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PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 7227.i Start Date: 10/22/2010 20:26

Analysis Batch Number: 8378 End Date: 10/23/2010 09:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICV 200-8378/34		10/23/2010 09:45	1	22oct102021-r341.d	RTX-5 0.25(mm)
ICV 200-8378/34		10/23/2010 09:45	1	22oct102021-r341.d	RTX-35 0.25(mm)

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PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 7227.i Start Date: 11/09/2010 15:12

Analysis Batch Number: 9333 End Date: 11/10/2010 03:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 200-9333/1		11/09/2010 15:12	1		RTX-5 0.25(mm)
PIBLK 200-9333/1		11/09/2010 15:12	1		RTX-35 0.25(mm)
CCVRT 200-9333/2		11/09/2010 15:36	1	09nov101450-r02 1.d	RTX-5 0.25(mm)
CCVRT 200-9333/2		11/09/2010 15:36	1	09nov101450-r02 1.d	RTX-35 0.25(mm)
ZZZZZ		11/09/2010 16:00	1		RTX-5 0.25(mm)
ZZZZZ		11/09/2010 16:00	1		RTX-35 0.25(mm)
ZZZZZ		11/09/2010 16:24	1		RTX-5 0.25(mm)
ZZZZZ		11/09/2010 16:24	1		RTX-35 0.25(mm)
ZZZZZ		11/09/2010 16:48	1		RTX-5 0.25(mm)
ZZZZZ		11/09/2010 16:48	1		RTX-35 0.25(mm)
ZZZZZ		11/09/2010 17:13	1		RTX-5 0.25(mm)
ZZZZZ		11/09/2010 17:13	1		RTX-35 0.25(mm)
ZZZZZ		11/09/2010 17:37	1		RTX-5 0.25(mm)
ZZZZZ		11/09/2010 17:37	1		RTX-35 0.25(mm)
ZZZZZ		11/09/2010 18:01	1		RTX-5 0.25(mm)
ZZZZZ		11/09/2010 18:01	1		RTX-35 0.25(mm)
ZZZZZ		11/09/2010 18:25	1		RTX-5 0.25(mm)
ZZZZZ		11/09/2010 18:25	1		RTX-35 0.25(mm)
ZZZZZ		11/09/2010 18:50	1		RTX-5 0.25(mm)
ZZZZZ		11/09/2010 18:50	1		RTX-35 0.25(mm)
ZZZZZ		11/09/2010 19:14	1		RTX-5 0.25(mm)
ZZZZZ		11/09/2010 19:14	1		RTX-35 0.25(mm)
ZZZZZ		11/09/2010 19:38	1		RTX-5 0.25(mm)
ZZZZZ		11/09/2010 19:38	1		RTX-35 0.25(mm)
CCV 200-9333/13		11/09/2010 20:02	1	09nov101450-r13 1.d	RTX-5 0.25(mm)
CCV 200-9333/13		11/09/2010 20:02	1	09nov101450-r13 1.d	RTX-35 0.25(mm)
ZZZZZ		11/09/2010 20:27	1		RTX-5 0.25(mm)
ZZZZZ		11/09/2010 20:27	1		RTX-35 0.25(mm)
ZZZZZ		11/09/2010 20:51	1		RTX-5 0.25(mm)
ZZZZZ		11/09/2010 20:51	1		RTX-35 0.25(mm)
ZZZZZ		11/09/2010 21:15	1		RTX-5 0.25(mm)
ZZZZZ		11/09/2010 21:15	1		RTX-35 0.25(mm)
ZZZZZ		11/09/2010 21:39	1		RTX-5 0.25(mm)
ZZZZZ		11/09/2010 21:39	1		RTX-35 0.25(mm)
ZZZZZ		11/09/2010 22:03	1		RTX-5 0.25(mm)
ZZZZZ		11/09/2010 22:03	1		RTX-35 0.25(mm)
ZZZZZ		11/09/2010 22:28	1		RTX-5 0.25(mm)
ZZZZZ		11/09/2010 22:28	1		RTX-35 0.25(mm)
ZZZZZ		11/09/2010 22:52	1		RTX-5 0.25(mm)
ZZZZZ		11/09/2010 22:52	1		RTX-35 0.25(mm)
ZZZZZ		11/09/2010 23:16	1		RTX-5 0.25(mm)
ZZZZZ		11/09/2010 23:16	1		RTX-35 0.25(mm)
ZZZZZ		11/09/2010 23:40	1		RTX-5 0.25(mm)

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PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 7227.i Start Date: 11/09/2010 15:12

Analysis Batch Number: 9333 End Date: 11/10/2010 03:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		11/09/2010 23:40	1		RTX-35 0.25(mm)
200-2081-1	FF10-07	11/10/2010 00:05	1	09nov101450-r23 1.d	RTX-5 0.25(mm)
200-2081-1	FF10-07	11/10/2010 00:05	1	09nov101450-r23 1.d	RTX-35 0.25(mm)
CCV 200-9333/24		11/10/2010 00:29	1	09nov101450-r24 1.d	RTX-5 0.25(mm)
CCV 200-9333/24		11/10/2010 00:29	1	09nov101450-r24 1.d	RTX-35 0.25(mm)
MB 200-8617/1-C		11/10/2010 00:53	1	09nov101450-r25 1.d	RTX-5 0.25(mm)
MB 200-8617/1-C		11/10/2010 00:53	1	09nov101450-r25 1.d	RTX-35 0.25(mm)
200-2079-3	RVG10-01	11/10/2010 01:17	1	09nov101450-r26 1.d	RTX-5 0.25(mm)
200-2079-3	RVG10-01	11/10/2010 01:17	1	09nov101450-r26 1.d	RTX-35 0.25(mm)
200-2079-4	RVG10-02	11/10/2010 01:41	1	09nov101450-r27 1.d	RTX-5 0.25(mm)
200-2079-4	RVG10-02	11/10/2010 01:41	1	09nov101450-r27 1.d	RTX-35 0.25(mm)
200-2079-4 DU	RVG10-02 DU	11/10/2010 02:06	1	09nov101450-r28 1.d	RTX-5 0.25(mm)
200-2079-4 DU	RVG10-02 DU	11/10/2010 02:06	1	09nov101450-r28 1.d	RTX-35 0.25(mm)
200-2079-4 MS	RVG10-02 MS	11/10/2010 02:30	1	09nov101450-r29 1.d	RTX-5 0.25(mm)
200-2079-4 MS	RVG10-02 MS	11/10/2010 02:30	1	09nov101450-r29 1.d	RTX-35 0.25(mm)
200-2079-4 MSD	RVG10-02 MSD	11/10/2010 02:54	1	09nov101450-r30 1.d	RTX-5 0.25(mm)
200-2079-4 MSD	RVG10-02 MSD	11/10/2010 02:54	1	09nov101450-r30 1.d	RTX-35 0.25(mm)
200-2081-4	VG10-01	11/10/2010 03:19	1	09nov101450-r31 1.d	RTX-5 0.25(mm)
200-2081-4	VG10-01	11/10/2010 03:19	1	09nov101450-r31 1.d	RTX-35 0.25(mm)
CCV 200-9333/32		11/10/2010 03:43	1	09nov101450-r32 1.d	RTX-5 0.25(mm)
CCV 200-9333/32		11/10/2010 03:43	1	09nov101450-r32 1.d	RTX-35 0.25(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 7227.i Start Date: 11/05/2010 15:50

Analysis Batch Number: 9347 End Date: 11/06/2010 04:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 200-9347/1		11/05/2010 15:50	1		RTX-5 0.25(mm)
PIBLK 200-9347/1		11/05/2010 15:50	1		RTX-35 0.25(mm)
CCVRT 200-9347/2		11/05/2010 16:15	1	05nov101546-r02 1.d	RTX-5 0.25(mm)
CCVRT 200-9347/2		11/05/2010 16:15	1	05nov101546-r02 1.d	RTX-35 0.25(mm)
MB 200-8617/1-B		11/05/2010 16:39	1	05nov101546-r03 1.d	RTX-5 0.25(mm)
MB 200-8617/1-B		11/05/2010 16:39	1	05nov101546-r03 1.d	RTX-35 0.25(mm)
LCS 200-8617/2-B		11/05/2010 17:03	1	05nov101546-r04 1.d	RTX-5 0.25(mm)
LCS 200-8617/2-B		11/05/2010 17:03	1	05nov101546-r04 1.d	RTX-35 0.25(mm)
200-2079-1	RFF10-02	11/05/2010 17:27	1	05nov101546-r05 1.d	RTX-5 0.25(mm)
200-2079-1	RFF10-02	11/05/2010 17:27	1	05nov101546-r05 1.d	RTX-35 0.25(mm)
200-2079-2	RBC10-05	11/05/2010 17:52	1	05nov101546-r06 1.d	RTX-5 0.25(mm)
200-2079-2	RBC10-05	11/05/2010 17:52	1	05nov101546-r06 1.d	RTX-35 0.25(mm)
ZZZZZ		11/05/2010 18:16	1		RTX-5 0.25(mm)
ZZZZZ		11/05/2010 18:16	1		RTX-35 0.25(mm)
ZZZZZ		11/05/2010 18:40	1		RTX-5 0.25(mm)
ZZZZZ		11/05/2010 18:40	1		RTX-35 0.25(mm)
ZZZZZ		11/05/2010 19:04	1		RTX-5 0.25(mm)
ZZZZZ		11/05/2010 19:04	1		RTX-35 0.25(mm)
ZZZZZ		11/05/2010 19:29	1		RTX-5 0.25(mm)
ZZZZZ		11/05/2010 19:29	1		RTX-35 0.25(mm)
ZZZZZ		11/05/2010 19:53	1		RTX-5 0.25(mm)
ZZZZZ		11/05/2010 19:53	1		RTX-35 0.25(mm)
200-2079-5	RVG10-03	11/05/2010 20:17	1	05nov101546-r12 1.d	RTX-5 0.25(mm)
200-2079-5	RVG10-03	11/05/2010 20:17	1	05nov101546-r12 1.d	RTX-35 0.25(mm)
CCV 200-9347/13		11/05/2010 20:42	1	05nov101546-r13 1.d	RTX-5 0.25(mm)
CCV 200-9347/13		11/05/2010 20:42	1	05nov101546-r13 1.d	RTX-35 0.25(mm)
200-2079-6	RFF10-05	11/05/2010 21:06	1	05nov101546-r14 1.d	RTX-5 0.25(mm)
200-2079-6	RFF10-05	11/05/2010 21:06	1	05nov101546-r14 1.d	RTX-35 0.25(mm)
200-2079-7	RBC10-02	11/05/2010 21:30	1	05nov101546-r15 1.d	RTX-5 0.25(mm)
200-2079-7	RBC10-02	11/05/2010 21:30	1	05nov101546-r15 1.d	RTX-35 0.25(mm)
200-2079-8	RBC10-01	11/05/2010 21:54	1	05nov101546-r16 1.d	RTX-5 0.25(mm)
200-2079-8	RBC10-01	11/05/2010 21:54	1	05nov101546-r16 1.d	RTX-35 0.25(mm)
200-2079-9	RFF10-04	11/05/2010 22:19	1	05nov101546-r17 1.d	RTX-5 0.25(mm)
200-2079-9	RFF10-04	11/05/2010 22:19	1	05nov101546-r17 1.d	RTX-35 0.25(mm)
200-2079-10	RFF10-03	11/05/2010 22:43	1	05nov101546-r18 1.d	RTX-5 0.25(mm)

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PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: 7227.i Start Date: 11/05/2010 15:50

Analysis Batch Number: 9347 End Date: 11/06/2010 04:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
200-2079-10	RFF10-03	11/05/2010 22:43	1	05nov101546-r181.d	RTX-35 0.25(mm)
200-2079-11	RFF10-01	11/05/2010 23:07	1	05nov101546-r191.d	RTX-5 0.25(mm)
200-2079-11	RFF10-01	11/05/2010 23:07	1	05nov101546-r191.d	RTX-35 0.25(mm)
200-2079-12	RLB10-01	11/05/2010 23:31	1	05nov101546-r201.d	RTX-5 0.25(mm)
200-2079-12	RLB10-01	11/05/2010 23:31	1	05nov101546-r201.d	RTX-35 0.25(mm)
200-2079-12 DU	RLB10-01 DU	11/05/2010 23:55	1	05nov101546-r211.d	RTX-5 0.25(mm)
200-2079-12 DU	RLB10-01 DU	11/05/2010 23:55	1	05nov101546-r211.d	RTX-35 0.25(mm)
200-2079-12 MS	RLB10-01 MS	11/06/2010 00:20	1	05nov101546-r221.d	RTX-5 0.25(mm)
200-2079-12 MS	RLB10-01 MS	11/06/2010 00:20	1	05nov101546-r221.d	RTX-35 0.25(mm)
200-2079-12 MSD	RLB10-01 MSD	11/06/2010 00:44	1	05nov101546-r231.d	RTX-5 0.25(mm)
200-2079-12 MSD	RLB10-01 MSD	11/06/2010 00:44	1	05nov101546-r231.d	RTX-35 0.25(mm)
CCV 200-9347/24		11/06/2010 01:08	1	05nov101546-r241.d	RTX-5 0.25(mm)
CCV 200-9347/24		11/06/2010 01:08	1	05nov101546-r241.d	RTX-35 0.25(mm)
200-2079-13	RLB-10-02	11/06/2010 01:32	1	05nov101546-r251.d	RTX-5 0.25(mm)
200-2079-13	RLB-10-02	11/06/2010 01:32	1	05nov101546-r251.d	RTX-35 0.25(mm)
200-2079-14	EQBLKPT	11/06/2010 01:57	1	05nov101546-r261.d	RTX-5 0.25(mm)
200-2079-14	EQBLKPT	11/06/2010 01:57	1	05nov101546-r261.d	RTX-35 0.25(mm)
200-2079-15	EQBLKFT	11/06/2010 02:21	1	05nov101546-r271.d	RTX-5 0.25(mm)
200-2079-15	EQBLKFT	11/06/2010 02:21	1	05nov101546-r271.d	RTX-35 0.25(mm)
ZZZZZ		11/06/2010 02:45	2		RTX-5 0.25(mm)
ZZZZZ		11/06/2010 02:45	2		RTX-35 0.25(mm)
200-2081-2	VG10-07	11/06/2010 03:09	1	05nov101546-r291.d	RTX-5 0.25(mm)
200-2081-2	VG10-07	11/06/2010 03:09	1	05nov101546-r291.d	RTX-35 0.25(mm)
200-2081-3	VG10-15	11/06/2010 03:33	1	05nov101546-r301.d	RTX-5 0.25(mm)
200-2081-3	VG10-15	11/06/2010 03:33	1	05nov101546-r301.d	RTX-35 0.25(mm)
ZZZZZ		11/06/2010 03:58	1		RTX-5 0.25(mm)
ZZZZZ		11/06/2010 03:58	1		RTX-35 0.25(mm)
200-2081-5	VG10-14	11/06/2010 04:22	1	05nov101546-r321.d	RTX-5 0.25(mm)
200-2081-5	VG10-14	11/06/2010 04:22	1	05nov101546-r321.d	RTX-35 0.25(mm)
CCV 200-9347/33		11/06/2010 04:46	1	05nov101546-r331.d	RTX-5 0.25(mm)
CCV 200-9347/33		11/06/2010 04:46	1	05nov101546-r331.d	RTX-35 0.25(mm)

8082

GC INSTRUMENT RUN LOG

Date: 10/22/10	Target Directory: 102210_1	Instrument ID:	HP7227	CH: 39 & 40	Batch 8378 — Report Information:
Analyst: DPD	Test Method: 8082	Column Type:	RTX5		Calibr. ID 2834-2841 — Page { } of { }
Project(s): 100110	ICAL Date: 10/22/10	Column Type:	RTX35		2842-2849
		Injection Volume	2 uL		Scale ① 100,000 ② 150,000

inj.#	Lab ID	Analysis Filename/Batch	Dilution Factor	SDG	Matrix	Prep Batch	QC check	Int. By	Comments
1	PIBLK-32919	22OCT102021	N/A	N/A	N/A	N/A	RRm	RRm	
2	PIBLK-32919								
3	PIBLK-32919								
4	IC-28402								28402 AR1221 200PPB
5	IC-28407								28407 AR1232 200PPB
6	IC-28414								28414 AR1242 50PPB
7	IC-28413								28413 AR1242 100PPB
8	IC-28412								28412 AR1242 200PPB
9	IC-28411								28411 AR1242 400PPB
10	IC-28410								28410 AR1242 800PPB
11	IC-30254								30254 AR1248 50PPB
12	IC-28418								28418 AR1248 100PPB
13	IC-28417								28417 AR1248 200PPB
14	IC-28416								28416 AR1248 400PPB
15	IC-28415								28415 AR1248 800PPB
16	IC-30286								30286 AR1254 50PPB
17	IC-30285								30285 AR1254 100PPB
18	IC-30265								30265 AR1254 200PPB
19	IC-30256								30256 AR1254 400PPB
20	IC-30255								30255 AR1254 800PPB
21	IC-30289								30289 AR1262 200PPB
22	IC-30296								30296 AR1268 50PPB
23	IC-30295								30295 AR1268 100PPB
24	IC-30294								30294 AR1268 200PPB
25	IC-30293								30293 AR1268 400PPB
26	IC-30292								30292 AR1268 800PPB
27	PIBLK-32919								
28	IC-30316								30316 AR1660 50PPB
29	IC-30315								30315 AR1660 100PPB
30	ICRT-58588								58588 AR1660 200PPB
31	IC-30313								30313 AR1660 400PPB
32	IC-30312								30312 AR1660 800PPB
33	PIBLK-32919								
34	ICV-30854								30854 AR1660 ICV

DPD 10/22/10

Legend: DF= Dilution Factor; RE=Reanalyze; ✓ = Reviewed and Acceptable; X = Not Acceptable; — = Not Applicable; W = Water; S = Soil; SD = Sediment; T = Tissue; BC= Bottle Code

DPD 10/22/10

OJ220401

GC INSTRUMENT RUN LOG

Date: 11/3/10	Target Directory: 102210_1	Instrument ID: HP7227	CH: 39 & 40	Report Information:
Analyst: DPD	Test Method: 8082	Column Type: RTX5		Page { } of { }
Project(s): 100110	ICAL Date: 10/22/10	Column Type: RTX35		
		Injection Volume 2 uL		

Inj. #	Lab ID	BC	Filename / Batch	ETR / SDG	Matrix	DF	QC	Analyst	Comments / Standard Traceability
6	200-2149-A-16-C	(SCU)	03NOV101729		S	1:1	✓	DPD	1248, 1254, 1260 Batch 92016
7	200-2149-A-17-C					1:10			1248, 1254, 1260 NCM# 34486
8	200-2149-A-18-C					1:3			1248, 1254, 1260
9	200-2149-A-19-C					1:1			1254, 1260
10	200-2149-A-20-C					1:1			1248, 1254, 1260 DCB↓ NCM# 3482
11	200-2149-A-21-C					1:1			ND - DCB↓
12	200-2149-A-22-C	↓				1:1	↓	↓	1254 DCB↓
13	CCV-58588	–				–	✓	DPD	AR1660 200ppb TCX↑, DCB↓ Aroclors (OK) / DCB↓ avg (OK)
14	200-2149-A-23-C	(SCU)				1:1	✓	DPD	ND DCB↓ NCM# 3483
15	200-2149-A-24-C					1:1			ND DCB↓
16	200-2149-A-25-C	↓			↓	1:1	↓	↓	1254 DCB↓
17	CCV-58588	–	↓		–	–	✓	DPD	AR1660 200ppb TCX↑, DCB↓ Avg (OK) / DCB↓ avg (OK)
1	PIBLK-32919		05NOV101546				↘	SCD	ND Batch 9347 NCM# 3485
2	CCVRT-58588						✓	DPD	AR1660 200ppb (OK) / (OK) RT update
3	MB-200-8617/1-B				T	1:1	✓	DPD	ND
4	LCS-200-8617/2-B								1016 1260
5	200-2079-A-1-F								ND
6	200-2079-A-2-F								ND
7	200-2079-A-3-F								Cu cleanup RA
8	200-2079-A-4-S								
9	200-2079-A-4-TDU								
10	200-2079-A-4-UMS	DPD							
11	200-2079-A-4-VSMSD	4/5/10							↓
12	200-2079-A-5-F				↓	↓	↓	↓	ND
13	CCV-58588				–	–	✓	DPD	AR1660 200ppb (OK) / (OK)
14	200-2079-A-6-F				T	1:1	✓	DPD	ND
15	200-2079-A-7-F		↓		↓	↓	↓	↓	ND

Legend: DF= Dilution Factor; RE=Reanalyze; ✓ = Reviewed and Acceptable; X = Not Acceptable; — = Not Applicable; W = Water; S = Soil; SD = Sediment; T = Tissue; BC= Bottle Code

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C0J220401

GC INSTRUMENT RUN LOG

Date: 11/5/10	Target Directory: 102210_1	Instrument ID: HP7227	CH: 39 & 40	Report Information:	
Analyst: DPD	Test Method: 8082	Column Type: RTX5		Page { } of { }	
Project(s): 100110	ICAL Date: 10/22/10	Column Type: RTX35			
		Injection Volume 2 uL			

Inj. #	Lab ID	BC	Filename / Batch	ETR / SDG	Matrix	DF	QC	Analyst	Comments / Standard Traceability
16	200-2079-A-8-F		05NOV101546		T	1:1	✓	DPD	ND
17	200-2079-A-9-F		↓	↓	↓	↓	↓	↓	ND
18	200-2079-A-10-F								ND
19	200-2079-A-11-F								ND
20	200-2079-A-12-S								ND
21	200-2079-A-12-TDU								ND
22	200-2079-A-12-UMS								1016, 1260
23	200-2079-A-12-VMSD				↓	↓	↓	↓	1016, 1260
24	CCV-58588				—	—	✓	DPD	AR1660-200ppb (OK)/(OK)
25	200-2079-A-13-F				T	1:1	✓	DPD	ND
26	200-2079-A-14-F								ND
27	200-2079-A-15-F					↓			ND
28	200-2081-A-1-F					1:2			RA @ 1:1 1254, 1260
29	200-2081-A-2-F					1:1			ND
30	200-2081-A-3-F								ND
31	200-2081-A-4-F								Cu Clean Up RA
32	200-2081-A-5-F				↓	↓	↓	↓	ND
33	CCV-58588		↓		—	—	✓	DPD	AR1660-200ppb (OK)/(OK)
1	PIBLK-32919		08NOV101729	2255	—	—	✓	DPD	Batch 9271
2	CCVRT-58588				—	—	↓	↓	AR1660-200ppb (OK)/(OK) RT Updated
3	MB-200-8889/1-A				W	1:1	✓	SLD	ND
4	LCS 200-8889/2-A				↓	↓	✓	↓	1016, 1260 Unassigned 1st peak for 1016 on Column 1.
5	200-2256-M-2-A						✓		ND
6	CCV-58588			↓	—	—	✓	↓	AR1660-200ppb (OK)(OK)
1	PIBLK-32919		09NOV101450	—	—	—	✓	SLD	Batch 9333
2	CCVRT-58588			—	—	—	✓	↓	AR1660-200 (OK)(OK) RT Updated
3	MB200-9190/1-B		↓	2294	T	1:1	✓	↓	ND

Legend: DF= Dilution Factor; RE=Reanalyze; ✓ = Reviewed and Acceptable; X = Not Acceptable; — = Not Applicable; W = Water; S = Soil; SD = Sediment; T = Tissue; BC= Bottle Code

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GC INSTRUMENT RUN LOG

Date: 11-9-10	Target Directory: 102210-1	Instrument ID: HP7227	CH: 39 & 40	Report Information:	
Analyst: SLO	Test Method: 8082	Column Type: RTX5		Page { } of { }	
Project(s): 100110	ICAL Date: 10-22-10	Column Type: RTX35			
		Injection Volume 2 uL			

Inj. #	Lab ID	BC	Filename / Batch	ETR / SDG	Matrix	DF	QC	Analyst	Comments / Standard Traceability
4	LCS200-91702-B		09NOV101450	2294	T	1:1	✓	SLO	1016, 1260
5	200-2294-17-17-B						✓		ND
6	200-2294-A-19-B						✓		ND
7	200-2294-A-20-B						✓		ND
8	200-2294-A-21-B						✓		ND
9	200-2294-17-22-B						✓		ND
10	200-2294-A-23-B						✓		ND
11	200-2294-17-24-B						✓		ND
12	200-2294-A-25-B			↓	↓	↓	✓	↓	ND
13 *	~~CCV-58588~~ 200-2294-17-26-B			—	—	—	✓	SLO	AR1660.200 (OK) (OK)
14 *	200-2294-A-26-B			2294	T	1:1	✓		ND
15	200-2294-A-27-B						✓		ND
16	200-2294-A-28-B						✓		ND
17	200-2294-17-28-F	MS					✓		1016, 1260
18	200-2294-A-28-E	MSD					✓		1016, 1260
19	200-2294-17-29-B						✓		ND
20	200-2294-17-30-B						✓		ND
21	200-2294-17-31-B						✓		ND
22	200-2294-17-~~33-B~~ 32-B *			↓			✓		ND
23	~~200-2294-A-33-B~~ 200-20781-17-1-F			2079	↓	↓	✓		1254, 1260
24	CCV-58588			—	—	—	✓		AR1660.200 (OK) (OK)
25	MB200-86171-B	C		2079	T	1:1	✓		ND Copper Clean Up
26	200-2079-17-3-F	G					✓		ND
27	200-2079-17-4-S	W					✓		ND
28	200-2079-17-4-T DU	X DU					✓		ND
29	200-2079-17-4-U MS	Y MS					✓		1016, 1260
30	200-2079-17-4-V MSD	Z MSD		↓	↓	↓	✓	↓	1016, 1260

Legend: DF= Dilution Factor; RE=Reanalyze; ✓ = Reviewed and Acceptable; X = Not Acceptable; — = Not Applicable; W = Water; S = Soil; SD = Sediment; T = Tissue; BC= Bottle Code

C0J22041

GC INSTRUMENT RUN LOG

Date: 11-9-10	Target Directory: 102210-1	Instrument ID: HP7227	CH: 39 & 40	Report Information:
Analyst: SD	Test Method: 8082	Column Type: RTX5		Page { } of { }
Project(s): 160110	ICAL Date: 10-22-10	Column Type: RTX35		
		Injection Volume 2 uL		

Inj. #	Lab ID	BC	Filename / Batch	ETR / SDG	Matrix	DF	QC	Analyst	Comments / Standard Traceability
31	200-20811-A-4	—	09NOV101450	20741	T	1:1			1254 Copper Clean UP
32	CCV-58585 SD 11-9-11	—	↓	—	—	—			AR16660-200 (OK) (OK)

Legend: DF= Dilution Factor; RE=Reanalyze; ✓ = Reviewed and Acceptable; X = Not Acceptable; — = Not Applicable; W = Water; S = Soil; SD = Sediment; T = Tissue; BC= Bottle Code

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GC INSTRUMENT RUN LOG

Date: 10/22/10	Target Directory: 102210_1	Instrument ID:	HP7227	CH: 39 & 40	Batch 8378 Report Information:
Analyst: DPD	Test Method: 8082	Column Type:	RTX5		Calibr. ID 2834-2841 Page { } of { }
Project(s): 100110	ICAL Date: 10/22/10	Column Type:	RTX35		2842-2849
		Injection Volume	2 uL		Scale ① 100,000 ② 150,000

inj.#	Lab ID	Analysis Filename/Batch	Dilution Factor	SDG	Matrix	Prep Batch	QC check	Int. By	Comments
1	PIBLK-32919	22OCT102021	N/A	N/A	N/A	N/A	RRm	RRm	
2	PIBLK-32919								
3	PIBLK-32919								
4	IC-28402								28402 AR1221 200PPB
5	IC-28407								28407 AR1232 200PPB
6	IC-28414								28414 AR1242 50PPB
7	IC-28413								28413 AR1242 100PPB
8	IC-28412								28412 AR1242 200PPB
9	IC-28411								28411 AR1242 400PPB
10	IC-28410								28410 AR1242 800PPB
11	IC-30254								30254 AR1248 50PPB
12	IC-28418								28418 AR1248 100PPB
13	IC-28417								28417 AR1248 200PPB
14	IC-28416								28416 AR1248 400PPB
15	IC-28415								28415 AR1248 800PPB
16	IC-30286								30286 AR1254 50PPB
17	IC-30285								30285 AR1254 100PPB
18	IC-30265								30265 AR1254 200PPB
19	IC-30256								30256 AR1254 400PPB
20	IC-30255								30255 AR1254 800PPB
21	IC-30289								30289 AR1262 200PPB
22	IC-30296								30296 AR1268 50PPB
23	IC-30295								30295 AR1268 100PPB
24	IC-30294								30294 AR1268 200PPB
25	IC-30293								30293 AR1268 400PPB
26	IC-30292								30292 AR1268 800PPB
27	PIBLK-32919								
28	IC-30316								30316 AR1660 50PPB
29	IC-30315								30315 AR1660 100PPB
30	ICRT-58588								58588 AR1660 200PPB
31	IC-30313								30313 AR1660 400PPB
32	IC-30312								30312 AR1660 800PPB
33	PIBLK-32919								
34	ICV-30854								30854 AR1660 ICV

DPD 10/22/10

Legend: DF= Dilution Factor; RE=Reanalyze; ✓ = Reviewed and Acceptable; X = Not Acceptable; — = Not Applicable; W = Water; S = Soil; SD = Sediment; T = Tissue; BC= Bottle Code

DPD 10/22/10

GC INSTRUMENT RUN LOG

Date: 11/3/10	Target Directory: 102210_1	Instrument ID: HP7227 CH: 39 & 40	Report Information:
Analyst: DPD	Test Method: 8082	Column Type: RTX5	Page { } of { }
Project(s): 100110	ICAL Date: 10/22/10	Column Type: RTX35	
		Injection Volume 2 uL	

Inj. #	Lab ID	BC	Filename / Batch	ETR / SDG	Matrix	DF	QC	Analyst	Comments / Standard Traceability
6	200-2149-A-16-C	(SCU)	03NOV101729		S	1:1	✓	DPD	1248, 1254, 1260 Batch 92016
7	200-2149-A-17-C					1:10			1248, 1254, 1260 NCM# 3486
8	200-2149-A-18-C					1:3			1248, 1254, 1260
9	200-2149-A-19-C					1:1			1254, 1260
10	200-2149-A-20-C					1:1			1248, 1254, 1260 DCB↓ NCM# 3482
11	200-2149-A-21-C					1:1			ND - DCB↓
12	200-2149-A-22-C	↓				1:1	↓	↓	1254 DCB↓
13	CCV-58588	–				–	✓	DPD	AR1660_200ppb TCX↑, DCB↓ Aroclors (OK) / DCB↓ avg (OK)
14	200-2149-A-23-C	(SCU)				1:1	✓	DPD	ND DCB↓ NCM# 3483
15	200-2149-A-24-C	↓				1:1	↓	↓	ND DCB↓
16	200-2149-A-25-C	↓			↓	1:1	↓	↓	1254 DCB↓
17	CCV-58588	–	↓		–	–	✓	DPD	AR1660_200ppb TCX↑, DCB↓ Avg (OK) / DCB↓ avg (OK)
1	PIBLK-32919		05NOV101546				↘	SLO	ND Batch 9347 NCM# 3485
2	CCVRT-58588						✓	DPP	AR1660_200ppb (OK)/(OK) RT update
3	MB-200-8617/1-B				T	1:1	✓	DPP	ND
4	LCS-200-8617/2-B								1016, 1260
5	200-2079-A-1-F								ND
6	200-2079-A-2-F								ND
7	200-2079-A-3-F								Cu Clean Up RA
8	200-2079-A-4-S								
9	200-2079-A-4-TDU								
10	200-2079-A-4-U/MS	DPD							
11	200-2079-A-4-V/MSD	11/5/10							↓
12	200-2079-A-5-F				↓	↓	↓	↓	ND
13	CCV-58588				–	–	✓	DPD	AR1660_200ppb (OK) / (OK)
14	200-2079-A-6-F				T	1:1	✓	DPD	ND
15	200-2079-A-7-F		↓		↓	↓	↓	↓	ND

Legend: DF= Dilution Factor; RE=Reanalyze; ✓ = Reviewed and Acceptable; X = Not Acceptable; — = Not Applicable; W = Water; S = Soil; SD = Sediment; T = Tissue; BC= Bottle Code

GC INSTRUMENT RUN LOG

Date: 11/5/10	Target Directory: 102210_1	Instrument ID: HP7227	CH: 39 & 40	Report Information:
Analyst: DPD	Test Method: 8082	Column Type: RTX5		Page { } of { }
Project(s): 100110	ICAL Date: 10/22/10	Column Type: RTX35		
		Injection Volume 2 uL		

Inj. #	Lab ID	BC	Filename / Batch	ETR / SDG	Matrix	DF	QC	Analyst	Comments / Standard Traceability
16	200-2079-A-8-F		05NOV101546		T	1:1	✓	DPD	ND
17	200-2079-A-9-F								ND
18	200-2079-A-10-F								ND
19	200-2079-A-11-F								ND
20	200-2079-A-12-S								ND
21	200-2079-A-12-TDU								ND
22	200-2079-A-12-UMS								1016, 1260
23	200-2079-A-12-VMSD				↓	↓	↓	↓	1016, 1260
24	CCV-58588				—	—	✓	DPD	AR1660-200ppb (OK)/(OK)
25	200-2079-A-13-F				T	1:1	✓	DPD	ND
26	200-2079-A-14-F								ND
27	200-2079-A-15-F					↓			ND
28	200-2081-A-1-F					1:2			RA @ 1:1 1254, 1260
29	200-2081-A-2-F					1:1			ND
30	200-2081-A-3-F								ND
31	200-2081-A-4-F								Co Clean Up RA
32	200-2081-A-5-F				↓	↓	↓	↓	ND
33	CCV-58588		↓		—	—	✓	DPD	AR1660-200ppb (OK)/(OK)
1	PIBLK-32919		08NOV101729	2255	—	—	✓	DPD	Batch 9279
2	CCVRT-58588				—	—	↓	↓	AR1660-200ppb (OK)/(OK) RT Updated
3	MB-200-8889/1-A				W	1:1	✓	SLD	ND
4	LCS 200-8889/2-A				↓	↓	✓	↓	1016, 1260 Unassigned 1st peak for 1016 on Column 1.
5	200-2256-M-2-A						✓		ND
6	CCV-58588		↓	↓	—	—	✓	↓	AR1660-200ppb (OK)(OK)
1	PIBLK-32914		09NOV101450	—	—	—	✓	SLD	Batch 9333
2	CCVRT-58588			—	—	—	✓	↓	AR1660-200 (OK)(OK) RT Updated
3	MB200-9170/1-B		↓	2294	T	1:1	✓	↓	ND

Legend: DF= Dilution Factor; RE=Reanalyze; ✓ = Reviewed and Acceptable; X = Not Acceptable; — = Not Applicable; W = Water; S = Soil; SD = Sediment; T = Tissue; BC= Bottle Code

GC INSTRUMENT RUN LOG

Date: 11-9-10	Target Directory: 102210-1	Instrument ID: HP7227	CH: 39 & 40	Report Information:	
Analyst: SLO	Test Method: 8082	Column Type: RTX5		Page { } of { }	
Project(s): 100110	ICAL Date: 10-22-10	Column Type: RTX35			
		Injection Volume 2 uL			

Inj. #	Lab ID	BC	Filename / Batch	ETR / SDG	Matrix	DF	QC	Analyst	Comments / Standard Traceability
4	LCS200-91702-B		09NOV101450	2294	T	1:1	✓	SLO	1016, 1260
5	200-2294-17-17-B						✓		ND
6	200-2294-A-19-B						✓		ND
7	200-2294-A-20-B						✓		ND
8	200-2294-17-21-B						✓		ND
9	200-2294-17-22-B						✓		ND
10	200-2294-A-23-B						✓		ND
11	200-2294-17-24-B						✓		ND
12	200-2294-A-25-B			↓	↓	↓	✓	↓	ND
13	~~CCV-58586~~ ~~200-2294-17-26-B~~			—	—	—	✓	SLO	AR1660.200 (OK) (OK)
14	200-2294-A-26-B			2294	T	1:1	✓		ND
15	200-2294-A-27-B						✓		ND
16	200-2294-A-28-B						✓		ND
17	200-2294-17-28-F	MS					✓		1016, 1260
18	200-2294-A-28-E	MSD					✓		1016, 1260
19	200-2294-17-29-B						✓		ND
20	200-2294-17-30-B						✓		ND
21	200-2294-17-31-B						✓		ND
22	200-2294-A-~~33-B~~			↓			✓		ND
23	~~200-2294-A-33-B~~ 200-2081-A-1-F			2079	↓	↓	✓		1254, 1260
24	CCV-58588			—	—	—	✓		AR1660.200 (OK) (OK)
25	MB200-86711-B	C		2079	T	1:1	✓		ND Copper Clean Up
26	200-2079-A-3-F	G					✓		ND
27	200-2079-A-4-S	W					✓		ND
28	200-2079-A-4-~~T~~ DU	X	DU				✓		ND
29	200-2079-A-4-~~D~~ MS	Y	MS				✓		1016, 1260
30	200-2079-A-4-~~E~~ MSD	Z	MSD	↓	↓	↓	✓	↓	1016, 1260

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GC INSTRUMENT RUN LOG

Date: 11-9-10	Target Directory: 102210-1	Instrument ID: HP7227	CH: 39 & 40
Analyst: SD	Test Method: 8082	Column Type: RTX5	Report Information:
Project(s): 100110	ICAL Date: 10-22-10	Column Type: RTX35	Page { } of { }
		Injection Volume 2 uL	

Inj. #	Lab ID	BC	Filename / Batch	ETR / SDG	Matrix	DF	QC	Analyst	Comments / Standard Traceability
31	200-2081-A-4-F	—	09NOV101450	2079	T	1:1			1254 Copper Clean Up
32	CCV-58588	—	↓	—	—	—			AR1660-200 (OK)/(OK)
1	PIBLK-32919	—	10NOV101636	—		—	✓	DPD	Batch 9452
2	CCVRT-58588			—		—	↓	↓	(OK)/(OK) RT Update
3	MB-200-9006/3-B			2147	T	1:1	✓	Rm	ND
4	LCS 200-9006/4-B					1:1	✓		spike 16/66
5	200-2147-A-6-G					1:1	✓		ND
6	PB-200-9005/2-C					1:1	✓		ND
7	MB 200-9244/1-A			2320	S	1:1	✓		ND
8	LCS 200-9244/2-A					1:1	✓		spike 16/66.
9	200-2320-A-7-A					1:50	D		9 1242
10	MB 200-9300/1-A				S	1:1	✓		ND confirms screen interferences (non-target)
11	LCS 200-9300/2-A					1:1	✓		spike 16/66
12	200-2320-A-7-C					1:50	D		9 1242
13	CCV-58588			—	—	—	✓	Rm	OK/OK
1	PIBLK-32919	—	10NOV101954	—	—	—	✓	Rm	—
2	Pest Surr Assay	—	↓	—	—	1:10	✓	Rm	73516 OK/OK
1	PIBLK-32919	—	12NOV101609	—	—	—	✓	DPD	
2	AR1660 200ppb			—	—	—			(OK)
3	PPCB Surr Assay			—	—	1:10			74446
4	AR1660 5ppm Assay	✓	↓	—	—	1:10	✓	↓	75752
1	PIBLK-32919		15NOV10 1139	—	—	—	✓	Rm	OK/OK
2	~~AR~~ CCVRT-58588			—	—	—	✓	Rm	AR1660-200 OK/OK
3	(A) MB 200 9399-1-C			2413	SD	1:1	✓		
4	LCS 200 9399-2-C						✓		
5	200 2413 B 2 J								
6	200 2413 B 2 L	MS	↓						

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121510-1 SLD 12-15-10

GC INSTRUMENT RUN LOG

Date: 12-15-10	Target Directory: ~~121510-1~~	Instrument ID: 3283 CH: 3 & 4	Report Information:
Analyst: SLD	Test Method: 8082	Column Type: RTX5 Scale: 61,000	CalibID: 4060-67 Page { } of { }
Project(s): 120110	ICAL Date: 12-15-10	Column Type: RTX35 Scale: 30,000	CalibID: 4068-75
		Injection Volume 2 uL	

Inj. #	Lab ID	BC	Filename / Batch	ETR / SDG	Matrix	DF	QC	Analyst	Comments / Standard Traceability
1	PIBLK-32919		15DEC101426				✓	DPD	32919 PIBLK
2	PIBLK-32919								32919 PIBLK
3	PIBLK-32919								32919 PIBLK
4	IC-28402								28402 AR1221 200PPB
5	IC-28407								28407 AR1232 200PPB
6	IC-28412								28412 AR1242 200PPB
7	IC-28417								28417 AR1248 200PPB
8	IC-30265								30265 AR1254 200PPB Batch 111960
9	IC-30289								30289 AR1262 200PPB
10	IC-30294								30294 AR1268 200PPB
11	IC-30316								30316 AR1660 50PPB
12	IC-30315								30315 AR1660 100PPB
13	ICRT-58588								58588 AR1660 200PPB
14	IC-30313								30313 AR1660 400PPB
15	IC-30312								30312 AR1660 800PPB
16	PIBLK-32919								32919 PIBLK
17	ICV-30854								30854 AR1660 ICV (DPD/DLG)

SLD 12-15-10

SLD 12-15-10

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GC INSTRUMENT RUN LOG

Date: 12-15-10	Target Directory: 121510-1	Instrument ID: 3283	CH: 3 & 4	Report Information:	
Analyst: SLO	Test Method: 8082	Column Type: RTX5		Page { } of { }	
Project(s): 120110	ICAL Date: 12-15-10	Column Type: RTX35			
		Injection Volume 2 uL			

Inj. #	Lab ID	BC	Filename / Batch	ETR / SDG	Matrix	DF	QC	Analyst	Comments / Standard Traceability
1	MB 200-10336	1-C	15DEC101459	2079	T	1:1	✓	SLO	ND NCM 4803
2	LCS 200-10336	12-C							1016, 1260
3	200-2079-17-1	-I							ND
4	200-2079-17-2	-I							ND
5	200-2079-17-3	-I							ND
6	200-2079-17-4	-AI							ND
7	200-2079-17-4	-AJ DU							ND
8	200-2079-17-4-A	-AK MS							1016 1260
9	200-2079-A-4-A	-AL MSD							1016, 1260
10	200-2079-17-5	-I			↓	↓	↓	↓	ND
11	CCV 58588				—	—	✓	SLO	(OK) (OK)
12	200-2079-17-6	-I			T	1:1			ND NCM 4803
13	200-2079-A-7	-I							ND Batch 11224
14	200-2079-17-8	-I							ND
15	200-2079-A-9	-I							ND
16	200-2079-17-10	-I							ND NCM 4813
17	200-2079-17-11	-I							ND NCM 4803
18	200-2079-A-12	-AE							ND
19	200-2079-A-12-A	-AQ DU							ND
20	200-2079-A-12-A	-AP MS							1016, 1260
21	200-2079-17-12-A	-AQ MSD			↓	↓	↓	↓	1016, 1260
22	CCV 58588				—	—	✓	SLO	(OK) (OK)
23	200-2079-17-13	-I			T	1:1			ND NCM 4803
24	200-2079-17-14	-I							ND
25	200-2079-17-15	-I							ND
26	200-2081-A-2	-I							ND
27	200-2081-17	3-I			↓	↓	↓	↓	ND NCM 4803

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GC INSTRUMENT RUN LOG

Date: 12-15-10	Target Directory: 121510-1	Instrument ID: 3283	CH: 3 & 4		Report Information:
Analyst: SLD	Test Method: 8082	Column Type: RTX5			Page { } of { }
Project(s): 120110	ICAL Date: 12-15-10	Column Type: RTX35			
		Injection Volume 2 uL			

Inj. #	Lab ID	BC	Filename / Batch	ETR / SDG	Matrix	DF	QC	Analyst	Comments / Standard Traceability
28	200-2081-17-4-J		15DEC101459	2079	T	1:1	✓	SLD	1254 NCM 4803
29	200-2081-17-5-I		↓	↓	↓	1:1	↓	↓	ND ↓
30	CCV 58588		↓	↓	—	—	↓	↓	(OK)(OK)
1	PIBLK 32919		16DEC101357		—	—			
2	PIBLK 32919				—	—			
3	CCVRT 58588				—	—			
4	MB200-11054/1-A			2889	W	1:1			
5	LCS200-11054/2-A					1:1			
6	200-2889-17-1-A					1:3			
7	MB200-11056/1-A					1:1			
8	LCS200-11056/2-A					1:1			
9	200-2889-17-2-A			↓	↓	1:3			
10	CCV 58588		↓	—	—	—			
1	PIBLK 32919		16DEC101508						
2	CCV 58588								
3	MB200-10984/1-B								
4	LCS200-10984/2-B								
5	200-2783-17-1-C								
6	200-2783-17-2-C								
7	200-2783-17-3-C								
8	200-2783-17-4-D								
9	200-2783-17-5-C								
10	200-2783-17-8-T DU								
11	200-2783-17-6-S MS								
12	200-2783-17-8-R MSD								
13	CCV 58588								
14	200-2783-17-7-J DU								

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Organic Prep Worksheet

Batch Number: 200-8283
Method: In-House
Analyst: Fodge, John F

Date Open: Oct 22 2010 6:04PM
Batch End: Oct 27 2010 3:23PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample
200-2079-A-1-A	RFF10-02		T	101.35 g	94.79 g
200-2079-A-2-A	RBC10-05	In-House, 6020	T	52.31 g	50.01 g
200-2079-A-6-A	RFF10-05		T	130.37 g	125.66 g
200-2079-A-7-A	RBC10-02		T	63.13 g	61.17 g
200-2079-A-8-A	RBC10-01		T	59.87 g	55.21 g
200-2079-A-9-A	RFF10-04		T	117.29 g	109.89 g
200-2079-A-10-A	RFF10-03		T	134.83 g	126.86 g
200-2079-A-11-A	RFF10-01		T	109.84 g	103.26 g
200-2079-A-12-A	RLB10-01	In-House, 6020	T	79.20 g	75.05 g
200-2079-A-13-A	RLB-10-02		T	35.77 g	31.18 g
200-2081-A-1-A	FF10-07		T	124.07 g	119.38 g
200-2079-A-15-A	EQBLKFT		T	167.17 g	167.03 g
200-2079-A-12-C~DU	RLB10-01		T		
200-2079-A-12-D~MS	RLB10-01		T		
200-2079-A-12-E~MSD	RLB10-01		T		

Organic Prep Worksheet

Batch Number: 200-8283
Method: In-House
Analyst: Fodge, John F

Date Open: Oct 22 2010 6:04PM
Batch End: Oct 27 2010 3:23PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
200-2079-A-1-A	RFF10-02		T	Homogenizer
200-2079-A-2-A	RBC10-05	In-House, 6020	T	Homogenizer
200-2079-A-6-A	RFF10-05		T	Homogenizer
200-2079-A-7-A	RBC10-02		T	Homogenizer
200-2079-A-8-A	RBC10-01		T	Homogenizer
200-2079-A-9-A	RFF10-04		T	Homogenizer
200-2079-A-10-A	RFF10-03		T	Homogenizer
200-2079-A-11-A	RFF10-01		T	Homogenizer
200-2079-A-12-A	RLB10-01	In-House, 6020	T	Homogenizer
200-2079-A-13-A	RLB-10-02		T	Homogenizer
200-2081-A-1-A	FF10-07		T	Homogenizer
200-2079-A-15-A	EQBLKFT		T	Homogenizer
200-2079-A-12-C~DU	RLB10-01		T	
200-2079-A-12-D~MS	RLB10-01		T	
200-2079-A-12-E~MSD	RLB10-01		T	

Organic Prep Worksheet

Batch Number: 200-8287
Method: In-House
Analyst: Fodge, John F

Date Open: Oct 22 2010 9:21PM
Batch End: Oct 27 2010 3:33PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample
200-2079-A-3-A	RVG10-01		T	370.72 g	353.59 g
200-2079-A-4-A	RVG10-02		T	574.17 g	515.02 g
200-2079-A-5-A	RVG10-03	In-House, Lipids	T	34.19 g	32.24 g
200-2081-A-2-A	VG10-07		T	138.02 g	134.14 g
200-2081-A-3-A	VG10-15		T	13.40 g	12.85 g
200-2081-A-4-A	VG10-01		T	730.45 g	718.40 g
200-2081-A-5-A	VG10-14		T	1005.87 g	982.61 g
200-2079-A-14-A	EQBLKPT		T	618.98 g	617.42 g
200-2079-A-4-C~DU	RVG10-02	In-House, 6020	T		
200-2079-A-4-D~MS	RVG10-02		T		
200-2079-A-4-E~MSD	RVG10-02		T		

Organic Prep Worksheet

Batch Number: 200-8617
Method: In-House
Analyst: Gagne, Eric

Date Open: Oct 28 2010 6:10PM
Batch End: Oct 29 2010 12:00AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	EX16605PPMSPi_00007	EX8081SUw_00008
MB~200-8617/1		In-House, In-House, Lipids		10.01 g	10000 uL		1 mL
LCS~200-8617/2		In-House, In-House, Lipids		10.04 g	10000 uL	1.0 mL	1 mL
200-2079-A-1-B	RFF10-02	In-House, In-House, Lipids	T	10.19 g	10000 uL		1 mL
200-2079-A-2-B	RBC10-05	In-House, In-House, Lipids	T	10.18 g	10000 uL		1 mL
200-2079-A-3-B	RVG10-01	In-House, In-House, Lipids	T	10.17 g	10000 uL		1 mL
200-2079-A-4-B	RVG10-02	In-House, In-House, Lipids	T	10.33 g	10000 uL		1 mL
200-2079-A-4-F~DU	RVG10-02	In-House, In-House, Lipids	T	10.01 g	10000 uL		1 mL
200-2079-A-4-G~MS	RVG10-02	In-House, 3660B, 8082	T	10.58 g	10000 uL	1.0 mL	1 mL
200-2079-A-4-H~MSD	RVG10-02	In-House, 3660B, 8082	T	10.24 g	10000 uL	1.0 mL	1 mL
200-2079-A-5-B	RVG10-03	In-House, In-House, Lipids	T	10.00 g	10000 uL		1 mL
200-2079-A-6-B	RFF10-05	In-House, In-House, Lipids	T	10.14 g	10000 uL		1 mL
200-2079-A-7-B	RBC10-02	In-House, In-House, Lipids	T	10.29 g	10000 uL		1 mL
200-2079-A-8-B	RBC10-01	In-House, In-House, Lipids	T	10.27 g	10000 uL		1 mL
200-2079-A-9-B	RFF10-04	In-House, In-House, Lipids	T	9.99 g	10000 uL		1 mL
200-2079-A-10-B	RFF10-03	In-House, In-House, Lipids	T	10.28 g	10000 uL		1 mL
200-2079-A-11-B	RFF10-01	In-House, In-House, Lipids	T	10.00 g	10000 uL		1 mL
200-2079-A-12-B	RLB10-01	In-House, In-House, Lipids	T	9.89 g	10000 uL		1 mL
200-2079-A-12-F~DU	RLB10-01	In-House, In-House, Lipids	T	10.19 g	10000 uL		1 mL
200-2079-A-12-G~MS	RLB10-01	In-House, 3665A, 8082	T	9.98 g	10000 uL	1.0 mL	1 mL
200-2079-A-12-H~MSD	RLB10-01	In-House, 3665A, 8082	T	10.23 g	10000 uL	1.0 mL	1 mL
200-2079-A-13-B	RLB-10-02	In-House, In-House, Lipids	T	10.53 g	10000 uL		1 mL
200-2079-A-14-B	EQBLKPT	In-House, In-House, Lipids	T	10.12 g	10000 uL		1 mL
200-2079-A-15-B	EQBLKFT	In-House, In-House, Lipids	T	10.04 g	10000 uL		1 mL

Organic Prep Worksheet

Batch Number: 200-8617
Method: In-House
Analyst: Gagne, Eric

Date Open: Oct 28 2010 6:10PM
Batch End: Oct 29 2010 12:00AM

200-2081-A-1-B	FF10-07	In-House, In-House, T Lipids	10.73 g	10000 uL	1 mL
200-2081-A-2-B	VG10-07	In-House, In-House, T Lipids	9.94 g	10000 uL	1 mL

Organic Prep Worksheet

Batch Number: 200-8617
Method: In-House
Analyst: Gagne, Eric

Date Open: Oct 28 2010 6:10PM
Batch End: Oct 29 2010 12:00AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	EX16605PPMSPi_00007	EX8081SUw_00008
200-2081-A-3-B	VG10-15	In-House, In-House, Lipids	T	9.79 g	10000 uL		1 mL
200-2081-A-4-B	VG10-01	In-House, In-House, Lipids	T	9.96 g	10000 uL		1 mL
200-2081-A-5-B	VG10-14	In-House, In-House, Lipids	T	10.10 g	10000 uL		1 mL

Person's name who witnessed reagent drop: DI
Prep Solvent Volume Used: 300
Vendor lot number: 24848 / 51552
Vendor of Reagent used: JTBaker
Person's name who did the concentration: JFF
Balance ID: L92017
Blank Soil Lot Number: 57314

Organic Prep Worksheet

Batch Number: 200-8670
Method: 3665A
Analyst: Tice, Melissa L.

Date Open: Oct 29 2010 9:52AM
Batch End: Oct 29 2010 11:55AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	EXSulfuricAci_00015
MB~200-8617/1-A		3665A, 8082		2 mL	2000 uL	5 mL
LCS~200-8617/2-A		3660B, 8082		2 mL	2000 uL	5 mL
200-2079-A-1-E	RFF10-02		T	2 mL	2000 uL	5 mL
200-2079-A-2-E	RBC10-05		T	2 mL	2000 uL	5 mL
200-2079-A-3-E	RVG10-01		T	2 mL	2000 uL	5 mL
200-2079-A-4-O	RVG10-02		T	2 mL	2000 uL	5 mL
200-2079-A-4-P~DU	RVG10-02		T	2 mL	2000 uL	5 mL
200-2079-A-4-Q~MS	RVG10-02		T	2 mL	2000 uL	5 mL
200-2079-A-4-R~MSD	RVG10-02	3660B, 8082	T	2 mL	2000 uL	5 mL
200-2079-A-5-E	RVG10-03		T	2 mL	2000 uL	5 mL
200-2079-A-6-E	RFF10-05		T	2 mL	2000 uL	5 mL
200-2079-A-7-E	RBC10-02	3665A, 8082	T	2 mL	2000 uL	5 mL
200-2079-A-8-E	RBC10-01		T	2 mL	2000 uL	5 mL
200-2079-A-9-E	RFF10-04	3665A, 8082	T	2 mL	2000 uL	5 mL
200-2079-A-10-E	RFF10-03		T	2 mL	2000 uL	5 mL
200-2079-A-11-E	RFF10-01		T	2 mL	2000 uL	5 mL
200-2079-A-12-O	RLB10-01		T	2 mL	2000 uL	5 mL
200-2079-A-12-P~DU	RLB10-01		T	2 mL	2000 uL	5 mL
200-2079-A-12-Q~MS	RLB10-01		T	2 mL	2000 uL	5 mL
200-2079-A-12-R~MSD	RLB10-01		T	2 mL	2000 uL	5 mL
200-2079-A-13-E	RLB-10-02		T	2 mL	2000 uL	5 mL
200-2079-A-14-E	EQBLKPT		T	2 mL	2000 uL	5 mL
200-2079-A-15-E	EQBLKFT		T	2 mL	2000 uL	5 mL
200-2081-A-1-E	FF10-07		T	2 mL	2000 uL	5 mL
200-2081-A-2-E	VG10-07		T	2 mL	2000 uL	5 mL

Organic Prep Worksheet

Batch Number: 200-8670
Method: 3665A
Analyst: Tice, Melissa L.

Date Open: Oct 29 2010 9:52AM
Batch End: Oct 29 2010 11:55AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	EXSulfuricAci_00015
200-2081-A-3-E	VG10-15		T	2 mL	2000 uL	5 mL
200-2081-A-4-E	VG10-01		T	2 mL	2000 uL	5 mL
200-2081-A-5-E	VG10-14		T	2 mL	2000 uL	5 mL

Organic Prep Worksheet

Batch Number: 200-9327
Method: 3660B
Analyst: Callahan, Christopher G

Date Open: Nov 09 2010 2:00PM
Batch End: Nov 09 2010 2:30PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Copper_S_00013
MB~200-8617/1-B				2 mL	2000 uL	2 g
200-2079-A-3-F	RVG10-01	3660B, 8082	T	2 mL	2000 uL	2 g
200-2079-A-4-S	RVG10-02		T	2 mL	2000 uL	2 g
200-2079-A-4-T~DU	RVG10-02	3660B, 8082	T	2 mL	2000 uL	2 g
200-2079-A-4-U~MS	RVG10-02	3660B, 8082	T	2 mL	2000 uL	2 g
200-2079-A-4-V~MSD	RVG10-02	3660B, 8082	T	2 mL	2000 uL	2 g
200-2081-A-4-F	VG10-01		T	2 mL	2000 uL	2 g

Organic Prep Worksheet

Batch Number: 200-9327
Method: 3660B
Analyst: Callahan, Christopher G

Date Open: Nov 09 2010 2:00PM
Batch End: Nov 09 2010 2:30PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~200-8617/1-B				
200-2079-A-3-F	RVG10-01	3660B, 8082	T	
200-2079-A-4-S	RVG10-02		T	
200-2079-A-4-T~DU	RVG10-02	3660B, 8082	T	
200-2079-A-4-U~MS	RVG10-02	3660B, 8082	T	
200-2079-A-4-V~MSD	RVG10-02	3660B, 8082	T	
200-2081-A-4-F	VG10-01		T	

Batch Comment: SCU performed in the GC lab.

Organic Prep Worksheet

Batch Number: 200-10336
Method: In-House
Analyst: Gagne, Eric

Date Open: Oct 28 2010 6:10PM
Batch End: Oct 29 2010 12:00AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	EX16605PPMSPi_00007	EX8081SUw_00008
MB~200-10336/1		In-House, 3660B, 8082		10.01 g	4000 uL		1 mL
LCS~200-10336/2		In-House, 3660B, 8082		10.04 g	4000 uL	1 mL	1 mL
200-2079-A-1-B	RFF10-02	In-House, 3660B, 8082	T	10.19 g	4000 uL		1 mL
200-2079-A-2-B	RBC10-05	In-House, 3660B, 8082	T	10.18 g	4000 uL		1 mL
200-2079-A-3-B	RVG10-01	In-House, 3660B, 8082	T	10.17 g	4000 uL		1 mL
200-2079-A-4-B	RVG10-02	In-House, 3660B, 8082	T	10.33 g	4000 uL		1 mL
200-2079-A-4-B~DU	RVG10-02		T	10.01 g	4000 uL		1 mL
200-2079-A-4-B~MS	RVG10-02		T	10.58 g	4000 uL	1 mL	1 mL
200-2079-A-4-B~MSD	RVG10-02		T	10.24 g	4000 uL	1 mL	1 mL
200-2079-A-5-B	RVG10-03	In-House, 3660B, 8082	T	10.00 g	4000 uL		1 mL
200-2079-A-6-B	RFF10-05	In-House, 3660B, 8082	T	10.14 g	4000 uL		1 mL
200-2079-A-7-B	RBC10-02	In-House, 3660B, 8082	T	10.29 g	4000 uL		1 mL
200-2079-A-8-B	RBC10-01	In-House, 3660B, 8082	T	10.27 g	4000 uL		1 mL
200-2079-A-9-B	RFF10-04	In-House, 3660B, 8082	T	9.99 g	4000 uL		1 mL
200-2079-A-10-B	RFF10-03	In-House, 3660B, 8082	T	10.28 g	4000 uL		1 mL
200-2079-A-11-B	RFF10-01	In-House, 3660B, 8082	T	10.00 g	4000 uL		1 mL
200-2079-A-12-B	RLB10-01	In-House, 3660B, 8082	T	9.89 g	4000 uL		1 mL
200-2079-A-12-F~DU	RLB10-01	In-House, 3660B, 8082	T	10.19 g	4000 uL		1 mL
200-2079-A-12-G~MS	RLB10-01	In-House, 3660B, 8082	T	9.98 g	4000 uL	1 mL	1 mL
200-2079-A-12-H~MSD	RLB10-01	In-House, 3660B, 8082	T	10.23 g	4000 uL	1 mL	1 mL
200-2079-A-13-B	RLB-10-02	In-House, 3660B, 8082	T	10.53 g	4000 uL		1 mL
200-2079-A-14-B	EQBLKPT	In-House, 3660B, 8082	T	10.12 g	4000 uL		1 mL
200-2079-A-15-B	EQBLKFT	In-House, 3660B, 8082	T	10.04 g	4000 uL		1 mL
200-2081-A-2-B	VG10-07	In-House, 3660B, 8082	T	9.94 g	4000 uL		1 mL

Organic Prep Worksheet

Batch Number: 200-10336
Method: In-House
Analyst: Gagne, Eric

Date Open: Oct 28 2010 6:10PM
Batch End: Oct 29 2010 12:00AM

200-2081-A-3-B	VG10-15	In-House, 3660B, 8082	T	9.79 g	4000 uL	1 mL

Organic Prep Worksheet

Batch Number: 200-10336
Method: In-House
Analyst: Gagne, Eric

Date Open: Oct 28 2010 6:10PM
Batch End: Oct 29 2010 12:00AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	EX16605PPMSPi_00007	EX8081SUw_00008
200-2081-A-4-B	VG10-01	In-House, 3660B, 8082	T	9.96 g	4000 uL		1 mL
200-2081-A-5-B	VG10-14	In-House, 3660B, 8082	T	10.10 g	4000 uL		1 mL

Person's name who witnessed reagent drop: DJI
Prep Solvent Volume Used: 300 mL
Vendor lot number: 24848/51552
Vendor of Reagent used: JTBaker
Person's name who did the concentration: JFF
Balance ID: L92017
Blank Soil Lot Number: 57314

Organic Prep Worksheet

Batch Number: 200-10344
Method: 3660B
Analyst: Fodge, John F

Date Open: Nov 29 2010 8:35PM
Batch End: Nov 29 2010 9:30PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Copper_S_00018
MB~200-10336/1-B				4 mL	4000 uL	2 g
LCS~200-10336/2-B				4 mL	4000 uL	2 g
200-2079-A-1-H	RFF10-02		T	4 mL	4000 uL	2 g
200-2079-A-2-H	RBC10-05		T	4 mL	4000 uL	2 g
200-2079-A-3-I	RVG10-01		T	4 mL	4000 uL	2 g
200-2079-A-4-AE	RVG10-02		T	4 mL	4000 uL	2 g
200-2079-A-4-AF~DU	RVG10-02		T	4 mL	4000 uL	2 g
200-2079-A-4-AG~MS	RVG10-02		T	4 mL	4000 uL	2 g
200-2079-A-4-AH~MSD	RVG10-02		T	4 mL	4000 uL	2 g
200-2079-A-5-H	RVG10-03		T	4 mL	4000 uL	2 g
200-2079-A-6-H	RFF10-05		T	4 mL	4000 uL	2 g
200-2079-A-7-H	RBC10-02		T	4 mL	4000 uL	2 g
200-2079-A-8-H	RBC10-01		T	4 mL	4000 uL	2 g
200-2079-A-9-H	RFF10-04		T	4 mL	4000 uL	2 g
200-2079-A-10-H	RFF10-03		T	4 mL	4000 uL	2 g
200-2079-A-11-H	RFF10-01		T	4 mL	4000 uL	2 g
200-2079-A-12-AA	RLB10-01		T	4 mL	4000 uL	2 g
200-2079-A-12-AL~DU	RLB10-01		T	4 mL	4000 uL	2 g
200-2079-A-12-AM~MS	RLB10-01		T	4 mL	4000 uL	2 g
200-2079-A-12-AN~MSD	RLB10-01		T	4 mL	4000 uL	2 g
200-2079-A-13-H	RLB-10-02		T	4 mL	4000 uL	2 g
200-2079-A-14-H	EQBLKPT		T	4 mL	4000 uL	2 g
200-2079-A-15-H	EQBLKFT		T	4 mL	4000 uL	2 g
200-2081-A-2-H	VG10-07		T	4 mL	4000 uL	2 g
200-2081-A-3-H	VG10-15		T	4 mL	4000 uL	2 g

Organic Prep Worksheet

Batch Number: 200-10344
Method: 3660B
Analyst: Fodge, John F

Date Open: Nov 29 2010 8:35PM
Batch End: Nov 29 2010 9:30PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	Copper_S_00018
200-2081-A-4-I	VG10-01		T	4 mL	4000 uL	2 g
200-2081-A-5-H	VG10-14		T	4 mL	4000 uL	2 g

Organic Prep Worksheet

Batch Number: 200-10344
Method: 3660B
Analyst: Fodge, John F

Date Open: Nov 29 2010 8:35PM
Batch End: Nov 29 2010 9:30PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
MB~200-10336/1-B				
LCS~200-10336/2-B				
200-2079-A-1-H	RFF10-02		T	
200-2079-A-2-H	RBC10-05		T	
200-2079-A-3-I	RVG10-01		T	
200-2079-A-4-AE	RVG10-02		T	
200-2079-A-4-AF~DU	RVG10-02		T	
200-2079-A-4-AG~MS	RVG10-02		T	
200-2079-A-4-AH~MSD	RVG10-02		T	
200-2079-A-5-H	RVG10-03		T	
200-2079-A-6-H	RFF10-05		T	
200-2079-A-7-H	RBC10-02		T	
200-2079-A-8-H	RBC10-01		T	
200-2079-A-9-H	RFF10-04		T	
200-2079-A-10-H	RFF10-03		T	
200-2079-A-11-H	RFF10-01		T	
200-2079-A-12-AA	RLB10-01		T	
200-2079-A-12-AL~DU	RLB10-01		T	
200-2079-A-12-AM~MS	RLB10-01		T	
200-2079-A-12-AN~MSD	RLB10-01		T	
200-2079-A-13-H	RLB-10-02		T	
200-2079-A-14-H	EQBLKPT		T	
200-2079-A-15-H	EQBLKFT		T	
200-2081-A-2-H	VG10-07		T	
200-2081-A-3-H	VG10-15		T	

Organic Prep Worksheet

Batch Number: 200-10344
Method: 3660B
Analyst: Fodge, John F

Date Open: Nov 29 2010 8:35PM
Batch End: Nov 29 2010 9:30PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
200-2081-A-4-I	VG10-01		T	
200-2081-A-5-H	VG10-14		T	

Batch Comment: Batch Information updated to reflect client request on 12/13/10, DI 12/13/10

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Burlington Job Number: 200-2079-1

SDG No.:

Project: Koppers Pond (Horseheads, NY)

Client Sample ID	Lab Sample ID
RFF10-02	200-2079-1
RBC10-05	200-2079-2
RVG10-01	200-2079-3
RVG10-02	200-2079-4
RVG10-03	200-2079-5
RFF10-05	200-2079-6
RBC10-02	200-2079-7
RBC10-01	200-2079-8
RFF10-04	200-2079-9
RFF10-03	200-2079-10
RFF10-01	200-2079-11
RLB10-01	200-2079-12
RLB-10-02	200-2079-13
EQBLKPT	200-2079-14
EQBLKFT	200-2079-15
FF10-07	200-2081-1
VG10-07	200-2081-2
VG10-15	200-2081-3
VG10-01	200-2081-4
VG10-14	200-2081-5

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RFF10-02 | Lab Sample ID: 200-2079-1

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue | Date Sampled: 10/19/2010 17:00

Reporting Basis: WET | Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6.5	6.5	0.24	mg/Kg	U		1	6020
7440-36-0	Antimony	1.6	1.6	0.16	mg/Kg	U		1	6020
7440-38-2	Arsenic	0.16	0.16	0.0024	mg/Kg	U		1	6020
7440-39-3	Barium	8.1	8.1	0.024	mg/Kg	U		1	6020
7440-41-7	Beryllium	0.16	0.16	0.010	mg/Kg	U		1	6020
7440-43-9	Cadmium	0.16	0.16	0.0038	mg/Kg	U		1	6020
7440-70-2	Calcium	8880	80.6	0.69	mg/Kg			1	6020
7440-47-3	Chromium	0.46	0.32	0.0089	mg/Kg			1	6020
7440-48-4	Cobalt	0.81	0.81	0.0048	mg/Kg	U		1	6020
7440-50-8	Copper	1.6	1.6	0.0081	mg/Kg	U		1	6020
7439-89-6	Iron	16.2	16.1	0.32	mg/Kg			1	6020
7439-92-1	Lead	0.16	0.16	0.0023	mg/Kg	U		1	6020
7439-95-4	Magnesium	411	80.6	0.31	mg/Kg		^	1	6020
7439-96-5	Manganese	2.2	0.32	0.022	mg/Kg			1	6020
7440-02-0	Nickel	1.6	1.6	0.0081	mg/Kg	U		1	6020
7440-09-7	Potassium	3300	80.6	0.57	mg/Kg		^	1	6020
7782-49-2	Selenium	0.16	0.16	0.013	mg/Kg			1	6020
7440-22-4	Silver	0.16	0.16	0.0026	mg/Kg	U		1	6020
7440-23-5	Sodium	1060	80.6	0.44	mg/Kg		^	1	6020
7440-28-0	Thallium	0.16	0.16	0.0013	mg/Kg	U		1	6020
7440-62-2	Vanadium	0.32	0.32	0.0056	mg/Kg	U		1	6020
7440-66-6	Zinc	21.8	1.6	0.041	mg/Kg			1	6020
7439-97-6	Mercury	0.030	0.028	0.0094	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RBC10-05 | Lab Sample ID: 200-2079-2

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue | Date Sampled: 10/19/2010 17:00

Reporting Basis: WET | Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7.1	7.1	0.27	mg/Kg	U		1	6020
7440-36-0	Antimony	1.8	1.8	0.18	mg/Kg	U		1	6020
7440-38-2	Arsenic	0.18	0.18	0.0027	mg/Kg	U		1	6020
7440-39-3	Barium	8.8	8.8	0.027	mg/Kg	U		1	6020
7440-41-7	Beryllium	0.18	0.18	0.012	mg/Kg	U		1	6020
7440-43-9	Cadmium	0.18	0.18	0.0042	mg/Kg	U		1	6020
7440-70-2	Calcium	387	88.5	0.76	mg/Kg			1	6020
7440-47-3	Chromium	0.35	0.35	0.0097	mg/Kg	U		1	6020
7440-48-4	Cobalt	0.88	0.88	0.0052	mg/Kg	U		1	6020
7440-50-8	Copper	1.8	1.8	0.0088	mg/Kg	U		1	6020
7439-89-6	Iron	17.7	17.7	0.35	mg/Kg	U		1	6020
7439-92-1	Lead	0.18	0.18	0.0025	mg/Kg	U		1	6020
7439-95-4	Magnesium	271	88.5	0.35	mg/Kg		^	1	6020
7439-96-5	Manganese	0.35	0.35	0.024	mg/Kg	U		1	6020
7440-02-0	Nickel	1.8	1.8	0.0088	mg/Kg	U		1	6020
7440-09-7	Potassium	4130	88.5	0.63	mg/Kg		^	1	6020
7782-49-2	Selenium	0.18	0.18	0.014	mg/Kg	U		1	6020
7440-22-4	Silver	0.18	0.18	0.0028	mg/Kg	U		1	6020
7440-23-5	Sodium	570	88.5	0.48	mg/Kg		^	1	6020
7440-28-0	Thallium	0.18	0.18	0.0014	mg/Kg	U		1	6020
7440-62-2	Vanadium	0.35	0.35	0.0062	mg/Kg	U		1	6020
7440-66-6	Zinc	12.0	1.8	0.045	mg/Kg			1	6020
7439-97-6	Mercury	0.15	0.028	0.0094	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RVG10-01 Lab Sample ID: 200-2079-3

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/19/2010 12:00

Reporting Basis: WET Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	137	6.6	0.25	mg/Kg			1	6020
7440-36-0	Antimony	1.6	1.6	0.16	mg/Kg	U		1	6020
7440-38-2	Arsenic	0.35	0.16	0.0025	mg/Kg			1	6020
7440-39-3	Barium	9.5	8.2	0.025	mg/Kg			1	6020
7440-41-7	Beryllium	0.16	0.16	0.011	mg/Kg	U		1	6020
7440-43-9	Cadmium	0.16	0.16	0.0039	mg/Kg	U		1	6020
7440-70-2	Calcium	3330	82.0	0.70	mg/Kg			1	6020
7440-47-3	Chromium	0.33	0.33	0.0090	mg/Kg	U		1	6020
7440-48-4	Cobalt	0.82	0.82	0.0048	mg/Kg	U		1	6020
7440-50-8	Copper	1.6	1.6	0.0082	mg/Kg	U		1	6020
7439-89-6	Iron	362	16.4	0.33	mg/Kg			1	6020
7439-92-1	Lead	1.1	0.16	0.0023	mg/Kg			1	6020
7439-95-4	Magnesium	380	82.0	0.32	mg/Kg		^	1	6020
7439-96-5	Manganese	58.6	3.3	0.22	mg/Kg			10	6020
7440-02-0	Nickel	1.6	1.6	0.0082	mg/Kg	U		1	6020
7440-09-7	Potassium	912	82.0	0.58	mg/Kg		^	1	6020
7782-49-2	Selenium	0.16	0.16	0.013	mg/Kg	U		1	6020
7440-22-4	Silver	0.16	0.16	0.0026	mg/Kg	U		1	6020
7440-23-5	Sodium	354	82.0	0.44	mg/Kg		^	1	6020
7440-28-0	Thallium	0.16	0.16	0.0013	mg/Kg	U		1	6020
7440-62-2	Vanadium	0.34	0.33	0.0057	mg/Kg			1	6020
7440-66-6	Zinc	4.0	1.6	0.042	mg/Kg			1	6020
7439-97-6	Mercury	0.028	0.028	0.0092	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RVG10-02 Lab Sample ID: 200-2079-4

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/19/2010 12:00

Reporting Basis: WET Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	15.4	7.1	0.27	mg/Kg			1	6020
7440-36-0	Antimony	1.8	1.8	0.18	mg/Kg	U		1	6020
7440-38-2	Arsenic	0.18	0.18	0.0027	mg/Kg	U		1	6020
7440-39-3	Barium	8.8	8.8	0.027	mg/Kg	U		1	6020
7440-41-7	Beryllium	0.18	0.18	0.012	mg/Kg	U		1	6020
7440-43-9	Cadmium	0.18	0.18	0.0042	mg/Kg	U		1	6020
7440-70-2	Calcium	1000	88.5	0.76	mg/Kg			1	6020
7440-47-3	Chromium	0.35	0.35	0.0097	mg/Kg	U		1	6020
7440-48-4	Cobalt	0.88	0.88	0.0052	mg/Kg	U		1	6020
7440-50-8	Copper	1.8	1.8	0.0088	mg/Kg	U		1	6020
7439-89-6	Iron	68.7	17.7	0.35	mg/Kg			1	6020
7439-92-1	Lead	0.18	0.18	0.0025	mg/Kg	U		1	6020
7439-95-4	Magnesium	258	88.5	0.35	mg/Kg		^	1	6020
7439-96-5	Manganese	3.9	0.35	0.024	mg/Kg			1	6020
7440-02-0	Nickel	1.8	1.8	0.0088	mg/Kg	U		1	6020
7440-09-7	Potassium	3700	88.5	0.63	mg/Kg		^	1	6020
7782-49-2	Selenium	0.18	0.18	0.014	mg/Kg			1	6020
7440-22-4	Silver	0.18	0.18	0.0028	mg/Kg	U		1	6020
7440-23-5	Sodium	684	88.5	0.48	mg/Kg		^	1	6020
7440-28-0	Thallium	0.18	0.18	0.0014	mg/Kg	U		1	6020
7440-62-2	Vanadium	0.35	0.35	0.0062	mg/Kg	U		1	6020
7440-66-6	Zinc	2.3	1.8	0.045	mg/Kg			1	6020
7439-97-6	Mercury	0.027	0.027	0.0089	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RVG10-03 | Lab Sample ID: 200-2079-5

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue | Date Sampled: 10/19/2010 12:00

Reporting Basis: WET | Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	39.8	7.3	0.27	mg/Kg			1	6020
7440-36-0	Antimony	1.8	1.8	0.18	mg/Kg	U		1	6020
7440-38-2	Arsenic	0.18	0.18	0.0027	mg/Kg	U		1	6020
7440-39-3	Barium	11.2	9.1	0.027	mg/Kg			1	6020
7440-41-7	Beryllium	0.18	0.18	0.012	mg/Kg	U		1	6020
7440-43-9	Cadmium	0.18	0.18	0.0043	mg/Kg	U		1	6020
7440-70-2	Calcium	3190	90.9	0.78	mg/Kg			1	6020
7440-47-3	Chromium	0.36	0.36	0.010	mg/Kg	U		1	6020
7440-48-4	Cobalt	0.91	0.91	0.0054	mg/Kg	U		1	6020
7440-50-8	Copper	1.8	1.8	0.0091	mg/Kg	U		1	6020
7439-89-6	Iron	94.1	18.2	0.36	mg/Kg			1	6020
7439-92-1	Lead	0.20	0.18	0.0025	mg/Kg			1	6020
7439-95-4	Magnesium	923	90.9	0.35	mg/Kg		^	1	6020
7439-96-5	Manganese	23.2	0.36	0.025	mg/Kg			1	6020
7440-02-0	Nickel	1.8	1.8	0.0091	mg/Kg	U		1	6020
7440-09-7	Potassium	3990	90.9	0.65	mg/Kg		^	1	6020
7782-49-2	Selenium	0.18	0.18	0.015	mg/Kg	U		1	6020
7440-22-4	Silver	0.18	0.18	0.0029	mg/Kg	U		1	6020
7440-23-5	Sodium	461	90.9	0.49	mg/Kg		^	1	6020
7440-28-0	Thallium	0.18	0.18	0.0015	mg/Kg	U		1	6020
7440-62-2	Vanadium	0.36	0.36	0.0064	mg/Kg	U		1	6020
7440-66-6	Zinc	12.9	1.8	0.046	mg/Kg			1	6020
7439-97-6	Mercury	0.032	0.032	0.011	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RFF10-05 | Lab Sample ID: 200-2079-6

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue | Date Sampled: 10/19/2010 17:00

Reporting Basis: WET | Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6.7	6.7	0.25	mg/Kg	U		1	6020
7440-36-0	Antimony	1.7	1.7	0.17	mg/Kg	U		1	6020
7440-38-2	Arsenic	0.17	0.17	0.0025	mg/Kg	U		1	6020
7440-39-3	Barium	8.3	8.3	0.025	mg/Kg	U		1	6020
7440-41-7	Beryllium	0.17	0.17	0.011	mg/Kg	U		1	6020
7440-43-9	Cadmium	0.17	0.17	0.0039	mg/Kg	U		1	6020
7440-70-2	Calcium	8540	83.3	0.72	mg/Kg			1	6020
7440-47-3	Chromium	0.33	0.33	0.0092	mg/Kg	U		1	6020
7440-48-4	Cobalt	0.83	0.83	0.0049	mg/Kg	U		1	6020
7440-50-8	Copper	1.7	1.7	0.0083	mg/Kg	U		1	6020
7439-89-6	Iron	18.2	16.7	0.33	mg/Kg			1	6020
7439-92-1	Lead	0.17	0.17	0.0023	mg/Kg	U		1	6020
7439-95-4	Magnesium	374	83.3	0.32	mg/Kg		^	1	6020
7439-96-5	Manganese	1.6	0.33	0.022	mg/Kg			1	6020
7440-02-0	Nickel	1.7	1.7	0.0083	mg/Kg	U		1	6020
7440-09-7	Potassium	2920	83.3	0.59	mg/Kg		^	1	6020
7782-49-2	Selenium	0.23	0.17	0.013	mg/Kg			1	6020
7440-22-4	Silver	0.17	0.17	0.0027	mg/Kg	U		1	6020
7440-23-5	Sodium	1130	83.3	0.45	mg/Kg		^	1	6020
7440-28-0	Thallium	0.17	0.17	0.0013	mg/Kg	U		1	6020
7440-62-2	Vanadium	0.33	0.33	0.0058	mg/Kg	U		1	6020
7440-66-6	Zinc	15.3	1.7	0.042	mg/Kg			1	6020
7439-97-6	Mercury	0.033	0.033	0.011	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RBC10-02 | Lab Sample ID: 200-2079-7

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue | Date Sampled: 10/19/2010 17:00

Reporting Basis: WET | Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7.6	7.6	0.29	mg/Kg	U		1	6020
7440-36-0	Antimony	1.9	1.9	0.19	mg/Kg	U		1	6020
7440-38-2	Arsenic	0.19	0.19	0.0029	mg/Kg	U		1	6020
7440-39-3	Barium	9.5	9.5	0.029	mg/Kg	U		1	6020
7440-41-7	Beryllium	0.19	0.19	0.012	mg/Kg	U		1	6020
7440-43-9	Cadmium	0.19	0.19	0.0045	mg/Kg	U		1	6020
7440-70-2	Calcium	162	95.2	0.82	mg/Kg			1	6020
7440-47-3	Chromium	0.38	0.38	0.010	mg/Kg	U		1	6020
7440-48-4	Cobalt	0.95	0.95	0.0056	mg/Kg	U		1	6020
7440-50-8	Copper	1.9	1.9	0.0095	mg/Kg	U		1	6020
7439-89-6	Iron	19.0	19.0	0.38	mg/Kg	U		1	6020
7439-92-1	Lead	0.19	0.19	0.0027	mg/Kg	U		1	6020
7439-95-4	Magnesium	284	95.2	0.37	mg/Kg		^	1	6020
7439-96-5	Manganese	0.38	0.38	0.026	mg/Kg	U		1	6020
7440-02-0	Nickel	1.9	1.9	0.0095	mg/Kg	U		1	6020
7440-09-7	Potassium	3890	95.2	0.68	mg/Kg		^	1	6020
7782-49-2	Selenium	0.21	0.19	0.015	mg/Kg			1	6020
7440-22-4	Silver	0.19	0.19	0.0030	mg/Kg	U		1	6020
7440-23-5	Sodium	595	95.2	0.51	mg/Kg		^	1	6020
7440-28-0	Thallium	0.19	0.19	0.0015	mg/Kg	U		1	6020
7440-62-2	Vanadium	0.38	0.38	0.0067	mg/Kg	U		1	6020
7440-66-6	Zinc	12.5	1.9	0.049	mg/Kg			1	6020
7439-97-6	Mercury	0.17	0.030	0.010	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RBC10-01 Lab Sample ID: 200-2079-8

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/19/2010 17:00

Reporting Basis: WET Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6.8	6.8	0.26	mg/Kg	U		1	6020
7440-36-0	Antimony	1.7	1.7	0.17	mg/Kg	U		1	6020
7440-38-2	Arsenic	0.17	0.17	0.0026	mg/Kg	U		1	6020
7440-39-3	Barium	8.5	8.5	0.026	mg/Kg	U		1	6020
7440-41-7	Beryllium	0.17	0.17	0.011	mg/Kg	U		1	6020
7440-43-9	Cadmium	0.17	0.17	0.0040	mg/Kg	U		1	6020
7440-70-2	Calcium	984	85.5	0.74	mg/Kg			1	6020
7440-47-3	Chromium	0.34	0.34	0.0094	mg/Kg	U		1	6020
7440-48-4	Cobalt	0.85	0.85	0.0050	mg/Kg	U		1	6020
7440-50-8	Copper	1.7	1.7	0.0085	mg/Kg	U		1	6020
7439-89-6	Iron	17.1	17.1	0.34	mg/Kg	U		1	6020
7439-92-1	Lead	0.17	0.17	0.0024	mg/Kg	U		1	6020
7439-95-4	Magnesium	282	85.5	0.33	mg/Kg		^	1	6020
7439-96-5	Manganese	0.34	0.34	0.023	mg/Kg			1	6020
7440-02-0	Nickel	1.7	1.7	0.0085	mg/Kg	U		1	6020
7440-09-7	Potassium	4070	85.5	0.61	mg/Kg		^	1	6020
7782-49-2	Selenium	0.20	0.17	0.014	mg/Kg			1	6020
7440-22-4	Silver	0.17	0.17	0.0027	mg/Kg	U		1	6020
7440-23-5	Sodium	654	85.5	0.46	mg/Kg		^	1	6020
7440-28-0	Thallium	0.17	0.17	0.0014	mg/Kg	U		1	6020
7440-62-2	Vanadium	0.34	0.34	0.0060	mg/Kg	U		1	6020
7440-66-6	Zinc	12.8	1.7	0.044	mg/Kg			1	6020
7439-97-6	Mercury	0.17	0.027	0.0089	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RFF10-04 | Lab Sample ID: 200-2079-9

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue | Date Sampled: 10/19/2010 17:00

Reporting Basis: WET | Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7.3	7.3	0.27	mg/Kg	U		1	6020
7440-36-0	Antimony	1.8	1.8	0.18	mg/Kg	U		1	6020
7440-38-2	Arsenic	0.18	0.18	0.0027	mg/Kg	U		1	6020
7440-39-3	Barium	9.1	9.1	0.027	mg/Kg	U		1	6020
7440-41-7	Beryllium	0.18	0.18	0.012	mg/Kg	U		1	6020
7440-43-9	Cadmium	0.18	0.18	0.0043	mg/Kg	U		1	6020
7440-70-2	Calcium	13600	90.9	0.78	mg/Kg			1	6020
7440-47-3	Chromium	0.86	0.36	0.010	mg/Kg			1	6020
7440-48-4	Cobalt	0.91	0.91	0.0054	mg/Kg	U		1	6020
7440-50-8	Copper	1.8	1.8	0.0091	mg/Kg	U		1	6020
7439-89-6	Iron	18.2	18.2	0.36	mg/Kg	U		1	6020
7439-92-1	Lead	0.18	0.18	0.0025	mg/Kg	U		1	6020
7439-95-4	Magnesium	470	90.9	0.35	mg/Kg		^	1	6020
7439-96-5	Manganese	2.1	0.36	0.025	mg/Kg			1	6020
7440-02-0	Nickel	1.8	1.8	0.0091	mg/Kg	U		1	6020
7440-09-7	Potassium	3230	90.9	0.65	mg/Kg		^	1	6020
7782-49-2	Selenium	0.19	0.18	0.015	mg/Kg			1	6020
7440-22-4	Silver	0.18	0.18	0.0029	mg/Kg	U		1	6020
7440-23-5	Sodium	1370	90.9	0.49	mg/Kg		^	1	6020
7440-28-0	Thallium	0.18	0.18	0.0015	mg/Kg	U		1	6020
7440-62-2	Vanadium	0.36	0.36	0.0064	mg/Kg	U		1	6020
7440-66-6	Zinc	22.3	1.8	0.046	mg/Kg			1	6020
7439-97-6	Mercury	0.026	0.026	0.0087	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RFF10-03 | Lab Sample ID: 200-2079-10

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue | Date Sampled: 10/19/2010 17:00

Reporting Basis: WET | Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7.0	7.0	0.26	mg/Kg	U		1	6020
7440-36-0	Antimony	1.8	1.8	0.18	mg/Kg	U		1	6020
7440-38-2	Arsenic	0.18	0.18	0.0026	mg/Kg	U		1	6020
7440-39-3	Barium	8.8	8.8	0.026	mg/Kg	U		1	6020
7440-41-7	Beryllium	0.18	0.18	0.011	mg/Kg	U		1	6020
7440-43-9	Cadmium	0.18	0.18	0.0041	mg/Kg	U		1	6020
7440-70-2	Calcium	9630	87.7	0.75	mg/Kg			1	6020
7440-47-3	Chromium	0.47	0.35	0.0096	mg/Kg			1	6020
7440-48-4	Cobalt	0.88	0.88	0.0052	mg/Kg	U		1	6020
7440-50-8	Copper	1.8	1.8	0.0088	mg/Kg	U		1	6020
7439-89-6	Iron	17.5	17.5	0.35	mg/Kg	U		1	6020
7439-92-1	Lead	0.18	0.18	0.0025	mg/Kg	U		1	6020
7439-95-4	Magnesium	406	87.7	0.34	mg/Kg		^	1	6020
7439-96-5	Manganese	1.9	0.35	0.024	mg/Kg			1	6020
7440-02-0	Nickel	1.8	1.8	0.0088	mg/Kg	U		1	6020
7440-09-7	Potassium	3220	87.7	0.62	mg/Kg		^	1	6020
7782-49-2	Selenium	0.18	0.18	0.014	mg/Kg	U		1	6020
7440-22-4	Silver	0.18	0.18	0.0028	mg/Kg	U		1	6020
7440-23-5	Sodium	1090	87.7	0.47	mg/Kg		^	1	6020
7440-28-0	Thallium	0.18	0.18	0.0014	mg/Kg	U		1	6020
7440-62-2	Vanadium	0.35	0.35	0.0061	mg/Kg	U		1	6020
7440-66-6	Zinc	16.6	1.8	0.045	mg/Kg			1	6020
7439-97-6	Mercury	0.030	0.030	0.010	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RFF10-01 | Lab Sample ID: 200-2079-11

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue | Date Sampled: 10/19/2010 17:00

Reporting Basis: WET | Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6.7	6.7	0.25	mg/Kg	U		1	6020
7440-36-0	Antimony	1.7	1.7	0.17	mg/Kg	U		1	6020
7440-38-2	Arsenic	0.17	0.17	0.0025	mg/Kg	U		1	6020
7440-39-3	Barium	8.4	8.4	0.025	mg/Kg	U		1	6020
7440-41-7	Beryllium	0.17	0.17	0.011	mg/Kg	U		1	6020
7440-43-9	Cadmium	0.17	0.17	0.0039	mg/Kg	U		1	6020
7440-70-2	Calcium	12300	84.0	0.72	mg/Kg			1	6020
7440-47-3	Chromium	0.60	0.34	0.0092	mg/Kg			1	6020
7440-48-4	Cobalt	0.84	0.84	0.0050	mg/Kg	U		1	6020
7440-50-8	Copper	1.7	1.7	0.0084	mg/Kg	U		1	6020
7439-89-6	Iron	16.8	16.8	0.34	mg/Kg	U		1	6020
7439-92-1	Lead	0.17	0.17	0.0024	mg/Kg	U		1	6020
7439-95-4	Magnesium	449	84.0	0.33	mg/Kg		^	1	6020
7439-96-5	Manganese	2.3	0.34	0.023	mg/Kg			1	6020
7440-02-0	Nickel	1.7	1.7	0.0084	mg/Kg	U		1	6020
7440-09-7	Potassium	2940	84.0	0.60	mg/Kg		^	1	6020
7782-49-2	Selenium	0.17	0.17	0.013	mg/Kg			1	6020
7440-22-4	Silver	0.17	0.17	0.0027	mg/Kg	U		1	6020
7440-23-5	Sodium	1180	84.0	0.45	mg/Kg		^	1	6020
7440-28-0	Thallium	0.17	0.17	0.0013	mg/Kg	U		1	6020
7440-62-2	Vanadium	0.34	0.34	0.0059	mg/Kg	U		1	6020
7440-66-6	Zinc	22.2	1.7	0.043	mg/Kg			1	6020
7439-97-6	Mercury	0.044	0.025	0.0085	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RLB10-01 Lab Sample ID: 200-2079-12

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/19/2010 17:00

Reporting Basis: WET Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7.2	7.2	0.27	mg/Kg	U		1	6020
7440-36-0	Antimony	1.8	1.8	0.18	mg/Kg	U		1	6020
7440-38-2	Arsenic	0.18	0.18	0.0027	mg/Kg	U		1	6020
7440-39-3	Barium	9.0	9.0	0.027	mg/Kg	U		1	6020
7440-41-7	Beryllium	0.18	0.18	0.012	mg/Kg	U		1	6020
7440-43-9	Cadmium	0.18	0.18	0.0042	mg/Kg	U		1	6020
7440-70-2	Calcium	1180	90.1	0.77	mg/Kg			1	6020
7440-47-3	Chromium	0.36	0.36	0.0099	mg/Kg	U		1	6020
7440-48-4	Cobalt	0.90	0.90	0.0053	mg/Kg	U		1	6020
7440-50-8	Copper	1.8	1.8	0.0090	mg/Kg	U		1	6020
7439-89-6	Iron	18.0	18.0	0.36	mg/Kg	U		1	6020
7439-92-1	Lead	0.18	0.18	0.0025	mg/Kg	U		1	6020
7439-95-4	Magnesium	298	90.1	0.35	mg/Kg		^	1	6020
7439-96-5	Manganese	0.36	0.36	0.024	mg/Kg	U		1	6020
7440-02-0	Nickel	1.8	1.8	0.0090	mg/Kg	U		1	6020
7440-09-7	Potassium	3730	90.1	0.64	mg/Kg		^	1	6020
7782-49-2	Selenium	0.18	0.18	0.014	mg/Kg			1	6020
7440-22-4	Silver	0.18	0.18	0.0029	mg/Kg	U		1	6020
7440-23-5	Sodium	564	90.1	0.49	mg/Kg		^	1	6020
7440-28-0	Thallium	0.18	0.18	0.0014	mg/Kg	U		1	6020
7440-62-2	Vanadium	0.36	0.36	0.0063	mg/Kg	U		1	6020
7440-66-6	Zinc	6.0	1.8	0.046	mg/Kg			1	6020
7439-97-6	Mercury	0.066	0.025	0.0085	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RLB-10-02 Lab Sample ID: 200-2079-13

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/19/2010 17:00

Reporting Basis: WET Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7.8	7.8	0.29	mg/Kg	U		1	6020
7440-36-0	Antimony	2.0	2.0	0.20	mg/Kg	U		1	6020
7440-38-2	Arsenic	0.20	0.20	0.0029	mg/Kg	U		1	6020
7440-39-3	Barium	9.8	9.8	0.029	mg/Kg	U		1	6020
7440-41-7	Beryllium	0.20	0.20	0.013	mg/Kg	U		1	6020
7440-43-9	Cadmium	0.20	0.20	0.0046	mg/Kg	U		1	6020
7440-70-2	Calcium	634	98.0	0.84	mg/Kg			1	6020
7440-47-3	Chromium	0.39	0.39	0.011	mg/Kg	U		1	6020
7440-48-4	Cobalt	0.98	0.98	0.0058	mg/Kg	U		1	6020
7440-50-8	Copper	2.0	2.0	0.0098	mg/Kg	U		1	6020
7439-89-6	Iron	19.6	19.6	0.39	mg/Kg	U		1	6020
7439-92-1	Lead	0.20	0.20	0.0027	mg/Kg	U		1	6020
7439-95-4	Magnesium	270	98.0	0.38	mg/Kg		^	1	6020
7439-96-5	Manganese	0.39	0.39	0.026	mg/Kg	U		1	6020
7440-02-0	Nickel	2.0	2.0	0.0098	mg/Kg	U		1	6020
7440-09-7	Potassium	3500	98.0	0.70	mg/Kg		^	1	6020
7782-49-2	Selenium	0.23	0.20	0.016	mg/Kg			1	6020
7440-22-4	Silver	0.20	0.20	0.0031	mg/Kg	U		1	6020
7440-23-5	Sodium	577	98.0	0.53	mg/Kg		^	1	6020
7440-28-0	Thallium	0.20	0.20	0.0016	mg/Kg	U		1	6020
7440-62-2	Vanadium	0.39	0.39	0.0069	mg/Kg	U		1	6020
7440-66-6	Zinc	13.1	2.0	0.050	mg/Kg			1	6020
7439-97-6	Mercury	0.20	0.030	0.010	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: EQBLKPT
Lab Sample ID: 200-2079-14
Lab Name: TestAmerica Burlington
Job No.: 200-2079-1
SDG ID.:
Matrix: Tissue
Date Sampled: 10/20/2010 12:00
Reporting Basis: WET
Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8.0	8.0	0.30	mg/Kg	U		1	6020
7440-36-0	Antimony	2.0	2.0	0.20	mg/Kg	U		1	6020
7440-38-2	Arsenic	0.20	0.20	0.0030	mg/Kg	U		1	6020
7440-39-3	Barium	10.0	10.0	0.030	mg/Kg	U		1	6020
7440-41-7	Beryllium	0.20	0.20	0.013	mg/Kg	U		1	6020
7440-43-9	Cadmium	0.20	0.20	0.0047	mg/Kg	U		1	6020
7440-70-2	Calcium	100	100	0.86	mg/Kg	U		1	6020
7440-47-3	Chromium	0.40	0.40	0.011	mg/Kg	U		1	6020
7440-48-4	Cobalt	1.0	1.0	0.0059	mg/Kg	U		1	6020
7440-50-8	Copper	2.0	2.0	0.010	mg/Kg	U		1	6020
7439-89-6	Iron	20.0	20.0	0.40	mg/Kg	U		1	6020
7439-92-1	Lead	0.20	0.20	0.0028	mg/Kg	U		1	6020
7439-95-4	Magnesium	100	100	0.39	mg/Kg	U	^	1	6020
7439-96-5	Manganese	0.40	0.40	0.027	mg/Kg	U		1	6020
7440-02-0	Nickel	2.0	2.0	0.010	mg/Kg	U		1	6020
7440-09-7	Potassium	100	100	0.71	mg/Kg	U	^	1	6020
7782-49-2	Selenium	0.20	0.20	0.016	mg/Kg	U		1	6020
7440-22-4	Silver	0.20	0.20	0.0032	mg/Kg	U		1	6020
7440-23-5	Sodium	100	100	0.54	mg/Kg	U	^	1	6020
7440-28-0	Thallium	0.20	0.20	0.0016	mg/Kg	U		1	6020
7440-62-2	Vanadium	0.40	0.40	0.0070	mg/Kg	U		1	6020
7440-66-6	Zinc	2.0	2.0	0.051	mg/Kg	U		1	6020
7439-97-6	Mercury	0.033	0.033	0.011	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: EQBLKFT
Lab Sample ID: 200-2079-15
Lab Name: TestAmerica Burlington
Job No.: 200-2079-1
SDG ID.:
Matrix: Tissue
Date Sampled: 10/20/2010 12:00
Reporting Basis: WET
Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8.0	8.0	0.30	mg/Kg	U		1	6020
7440-36-0	Antimony	2.0	2.0	0.20	mg/Kg	U		1	6020
7440-38-2	Arsenic	0.20	0.20	0.0030	mg/Kg	U		1	6020
7440-39-3	Barium	10.0	10.0	0.030	mg/Kg	U		1	6020
7440-41-7	Beryllium	0.20	0.20	0.013	mg/Kg	U		1	6020
7440-43-9	Cadmium	0.20	0.20	0.0047	mg/Kg	U		1	6020
7440-70-2	Calcium	100	100	0.86	mg/Kg	U		1	6020
7440-47-3	Chromium	0.40	0.40	0.011	mg/Kg	U		1	6020
7440-48-4	Cobalt	1.0	1.0	0.0059	mg/Kg	U		1	6020
7440-50-8	Copper	2.0	2.0	0.010	mg/Kg	U		1	6020
7439-89-6	Iron	20.0	20.0	0.40	mg/Kg	U		1	6020
7439-92-1	Lead	0.20	0.20	0.0028	mg/Kg	U		1	6020
7439-95-4	Magnesium	100	100	0.39	mg/Kg	U	^	1	6020
7439-96-5	Manganese	0.40	0.40	0.027	mg/Kg	U		1	6020
7440-02-0	Nickel	2.0	2.0	0.010	mg/Kg	U		1	6020
7440-09-7	Potassium	100	100	0.71	mg/Kg	U	^	1	6020
7782-49-2	Selenium	0.20	0.20	0.016	mg/Kg	U		1	6020
7440-22-4	Silver	0.20	0.20	0.0032	mg/Kg	U		1	6020
7440-23-5	Sodium	100	100	0.54	mg/Kg	U	^	1	6020
7440-28-0	Thallium	0.20	0.20	0.0016	mg/Kg	U		1	6020
7440-62-2	Vanadium	0.40	0.40	0.0070	mg/Kg	U		1	6020
7440-66-6	Zinc	2.0	2.0	0.051	mg/Kg	U		1	6020
7439-97-6	Mercury	0.033	0.033	0.011	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: FF10-07 | Lab Sample ID: 200-2081-1

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue | Date Sampled: 10/20/2010 14:00

Reporting Basis: WET | Date Received: 10/21/2010 10:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	14.7	6.9	0.26	mg/Kg			1	6020
7440-36-0	Antimony	1.7	1.7	0.17	mg/Kg	U		1	6020
7440-38-2	Arsenic	0.17	0.17	0.0026	mg/Kg	U		1	6020
7440-39-3	Barium	8.6	8.6	0.026	mg/Kg	U		1	6020
7440-41-7	Beryllium	0.17	0.17	0.011	mg/Kg	U		1	6020
7440-43-9	Cadmium	0.17	0.17	0.0041	mg/Kg	U		1	6020
7440-70-2	Calcium	8830	86.2	0.74	mg/Kg			1	6020
7440-47-3	Chromium	0.93	0.34	0.0095	mg/Kg			1	6020
7440-48-4	Cobalt	0.86	0.86	0.0051	mg/Kg	U		1	6020
7440-50-8	Copper	1.7	1.7	0.0086	mg/Kg	U		1	6020
7439-89-6	Iron	36.8	17.2	0.34	mg/Kg			1	6020
7439-92-1	Lead	0.25	0.17	0.0024	mg/Kg			1	6020
7439-95-4	Magnesium	377	86.2	0.34	mg/Kg		^	1	6020
7439-96-5	Manganese	2.4	0.34	0.023	mg/Kg			1	6020
7440-02-0	Nickel	1.7	1.7	0.0086	mg/Kg	U		1	6020
7440-09-7	Potassium	2830	86.2	0.61	mg/Kg		^	1	6020
7782-49-2	Selenium	0.33	0.17	0.014	mg/Kg			1	6020
7440-22-4	Silver	0.17	0.17	0.0028	mg/Kg	U		1	6020
7440-23-5	Sodium	872	86.2	0.47	mg/Kg		^	1	6020
7440-28-0	Thallium	0.17	0.17	0.0014	mg/Kg	U		1	6020
7440-62-2	Vanadium	0.34	0.34	0.0060	mg/Kg	U		1	6020
7440-66-6	Zinc	27.3	1.7	0.044	mg/Kg			1	6020
7439-97-6	Mercury	0.040	0.031	0.010	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: VG10-07 | Lab Sample ID: 200-2081-2

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue | Date Sampled: 10/20/2010 12:00

Reporting Basis: WET | Date Received: 10/21/2010 10:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	15.1	7.4	0.28	mg/Kg			1	6020
7440-36-0	Antimony	1.9	1.9	0.19	mg/Kg	U		1	6020
7440-38-2	Arsenic	0.19	0.19	0.0028	mg/Kg	U		1	6020
7440-39-3	Barium	12.5	9.3	0.028	mg/Kg			1	6020
7440-41-7	Beryllium	0.19	0.19	0.012	mg/Kg	U		1	6020
7440-43-9	Cadmium	0.19	0.19	0.0044	mg/Kg	U		1	6020
7440-70-2	Calcium	3250	92.6	0.80	mg/Kg			1	6020
7440-47-3	Chromium	0.37	0.37	0.010	mg/Kg	U		1	6020
7440-48-4	Cobalt	0.93	0.93	0.0055	mg/Kg	U		1	6020
7440-50-8	Copper	1.9	1.9	0.0093	mg/Kg	U		1	6020
7439-89-6	Iron	34.1	18.5	0.37	mg/Kg			1	6020
7439-92-1	Lead	0.25	0.19	0.0026	mg/Kg			1	6020
7439-95-4	Magnesium	484	92.6	0.36	mg/Kg		^	1	6020
7439-96-5	Manganese	20.4	0.37	0.025	mg/Kg			1	6020
7440-02-0	Nickel	1.9	1.9	0.0093	mg/Kg	U		1	6020
7440-09-7	Potassium	2530	92.6	0.66	mg/Kg		^	1	6020
7782-49-2	Selenium	0.20	0.19	0.015	mg/Kg			1	6020
7440-22-4	Silver	0.19	0.19	0.0030	mg/Kg	U		1	6020
7440-23-5	Sodium	302	92.6	0.50	mg/Kg		^	1	6020
7440-28-0	Thallium	0.19	0.19	0.0015	mg/Kg	U		1	6020
7440-62-2	Vanadium	0.37	0.37	0.0065	mg/Kg	U		1	6020
7440-66-6	Zinc	5.6	1.9	0.047	mg/Kg			1	6020
7439-97-6	Mercury	0.026	0.026	0.0087	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: VG10-15 | Lab Sample ID: 200-2081-3

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue | Date Sampled: 10/20/2010 13:00

Reporting Basis: WET | Date Received: 10/21/2010 10:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	220	7.3	0.27	mg/Kg			1	6020
7440-36-0	Antimony	1.8	1.8	0.18	mg/Kg	U		1	6020
7440-38-2	Arsenic	0.18	0.18	0.0027	mg/Kg	U		1	6020
7440-39-3	Barium	11.0	9.1	0.027	mg/Kg			1	6020
7440-41-7	Beryllium	0.18	0.18	0.012	mg/Kg	U		1	6020
7440-43-9	Cadmium	0.28	0.18	0.0043	mg/Kg			1	6020
7440-70-2	Calcium	3890	90.9	0.78	mg/Kg			1	6020
7440-47-3	Chromium	0.82	0.36	0.010	mg/Kg			1	6020
7440-48-4	Cobalt	0.91	0.91	0.0054	mg/Kg	U		1	6020
7440-50-8	Copper	2.5	1.8	0.0091	mg/Kg			1	6020
7439-89-6	Iron	374	18.2	0.36	mg/Kg			1	6020
7439-92-1	Lead	1.6	0.18	0.0025	mg/Kg			1	6020
7439-95-4	Magnesium	800	90.9	0.35	mg/Kg		^	1	6020
7439-96-5	Manganese	23.8	0.36	0.025	mg/Kg			1	6020
7440-02-0	Nickel	1.8	1.8	0.0091	mg/Kg	U		1	6020
7440-09-7	Potassium	5520	90.9	0.65	mg/Kg		^	1	6020
7782-49-2	Selenium	0.27	0.18	0.015	mg/Kg			1	6020
7440-22-4	Silver	0.18	0.18	0.0029	mg/Kg	U		1	6020
7440-23-5	Sodium	267	90.9	0.49	mg/Kg		^	1	6020
7440-28-0	Thallium	0.18	0.18	0.0015	mg/Kg	U		1	6020
7440-62-2	Vanadium	0.36	0.36	0.0064	mg/Kg	U		1	6020
7440-66-6	Zinc	12.8	1.8	0.046	mg/Kg			1	6020
7439-97-6	Mercury	0.029	0.029	0.0097	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: VG10-01 Lab Sample ID: 200-2081-4

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/20/2010 10:00

Reporting Basis: WET Date Received: 10/21/2010 10:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	213	7.2	0.27	mg/Kg			1	6020
7440-36-0	Antimony	1.8	1.8	0.18	mg/Kg	U		1	6020
7440-38-2	Arsenic	0.18	0.18	0.0027	mg/Kg	U		1	6020
7440-39-3	Barium	9.0	9.0	0.027	mg/Kg	U		1	6020
7440-41-7	Beryllium	0.18	0.18	0.012	mg/Kg	U		1	6020
7440-43-9	Cadmium	5.3	0.18	0.0042	mg/Kg			1	6020
7440-70-2	Calcium	2210	90.1	0.77	mg/Kg			1	6020
7440-47-3	Chromium	6.1	0.36	0.0099	mg/Kg			1	6020
7440-48-4	Cobalt	0.90	0.90	0.0053	mg/Kg	U		1	6020
7440-50-8	Copper	8.8	1.8	0.0090	mg/Kg			1	6020
7439-89-6	Iron	308	18.0	0.36	mg/Kg			1	6020
7439-92-1	Lead	16.8	0.18	0.0025	mg/Kg			1	6020
7439-95-4	Magnesium	405	90.1	0.35	mg/Kg		^	1	6020
7439-96-5	Manganese	5.8	0.36	0.024	mg/Kg			1	6020
7440-02-0	Nickel	3.0	1.8	0.0090	mg/Kg			1	6020
7440-09-7	Potassium	816	90.1	0.64	mg/Kg		^	1	6020
7782-49-2	Selenium	0.18	0.18	0.014	mg/Kg	U		1	6020
7440-22-4	Silver	0.39	0.18	0.0029	mg/Kg			1	6020
7440-23-5	Sodium	769	90.1	0.49	mg/Kg		^	1	6020
7440-28-0	Thallium	0.18	0.18	0.0014	mg/Kg	U		1	6020
7440-62-2	Vanadium	0.36	0.36	0.0063	mg/Kg	U		1	6020
7440-66-6	Zinc	78.2	18.0	0.46	mg/Kg			10	6020
7439-97-6	Mercury	0.025	0.025	0.0085	mg/Kg	U		1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: VG10-14 | Lab Sample ID: 200-2081-5

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue | Date Sampled: 10/20/2010 12:30

Reporting Basis: WET | Date Received: 10/21/2010 10:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	102	13.0	0.49	mg/Kg			2	6020
7440-36-0	Antimony	3.3	3.3	0.33	mg/Kg	U		2	6020
7440-38-2	Arsenic	0.33	0.33	0.0049	mg/Kg	U		2	6020
7440-39-3	Barium	16.3	16.3	0.049	mg/Kg	U		2	6020
7440-41-7	Beryllium	0.16	0.16	0.011	mg/Kg	U		1	6020
7440-43-9	Cadmium	0.35	0.33	0.0076	mg/Kg			2	6020
7440-70-2	Calcium	7400	81.3	0.70	mg/Kg			1	6020
7440-47-3	Chromium	0.72	0.33	0.0089	mg/Kg			1	6020
7440-48-4	Cobalt	0.81	0.81	0.0048	mg/Kg	U		1	6020
7440-50-8	Copper	1.6	1.6	0.0081	mg/Kg	U		1	6020
7439-89-6	Iron	226	16.3	0.33	mg/Kg			1	6020
7439-92-1	Lead	4.4	0.16	0.0023	mg/Kg			1	6020
7439-95-4	Magnesium	256	163	0.63	mg/Kg		^	2	6020
7439-96-5	Manganese	28.6	0.33	0.022	mg/Kg			1	6020
7440-02-0	Nickel	3.3	3.3	0.016	mg/Kg	U		2	6020
7440-09-7	Potassium	1070	163	1.2	mg/Kg		^	2	6020
7782-49-2	Selenium	0.33	0.33	0.026	mg/Kg	U		2	6020
7440-22-4	Silver	0.33	0.33	0.0052	mg/Kg	U		2	6020
7440-23-5	Sodium	432	163	0.88	mg/Kg		^	2	6020
7440-28-0	Thallium	0.16	0.16	0.0013	mg/Kg	U		1	6020
7440-62-2	Vanadium	0.33	0.33	0.0057	mg/Kg			1	6020
7440-66-6	Zinc	9.0	1.6	0.041	mg/Kg			1	6020
7439-97-6	Mercury	0.032	0.032	0.011	mg/Kg	U		1	7471A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICV Source: MEICPMSICVi_00009 Concentration Units: ug/L

CCV Source: MEICPMSCALi_00009

Analyte	ICV 200-8736/6 10/29/2010 15:06				CCV 200-8736/10 10/29/2010 15:36				CCV 200-8736/22 10/29/2010 17:07			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	49.82		50.0	100	20.0	U	20.0	94	20.0	U	20.0	92
Arsenic	25.19		25.0	101	9.96		10.0	100	9.94		10.0	99
Beryllium	25.22		25.0	101	10.84		10.0	108	10.54		10.0	105
Cadmium	24.49		25.0	98	9.92		10.0	99	9.95		10.0	99
Calcium	13760		12500	110	5479		5000	110	5441		5000	109
Chromium	48.97		50.0	98	19.33		20.0	97	19.48		20.0	97
Cobalt	123.2		125	99	46.98		50.0	94	47.45		50.0	95
Copper	49.02		50.0	98	20.0	U	20.0	96	20.0	U	20.0	97
Iron	2463		2500	99	1040		1000	104	1022		1000	102
Lead	24.15		25.0	97	9.67		10.0	97	9.49		10.0	95
Manganese	47.89		50.0	96	19.28		20.0	96	19.53		20.0	98
Selenium	24.70		25.0	99	9.93		10.0	99	10.42		10.0	104
Silver	23.13		25.0	93	9.82		10.0	98	9.96		10.0	100
Thallium	22.86		25.0	91	9.55		10.0	95	9.44		10.0	94
Vanadium	48.74		50.0	97	19.29		20.0	96	19.30		20.0	96
Zinc	48.09		50.0	96	20.0	U	20.0	97	20.0	U	20.0	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICV Source: MEICPMSICVi_00009 Concentration Units: ug/L

CCV Source: MEICPMSCALi_00009

Analyte	CCV1 200-8736/34 10/29/2010 18:38				CCV 200-8736/46 10/29/2010 20:09							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	20.0	U	20.0	90								
Arsenic	9.57		10.0	96	9.51		10.0	95				
Beryllium	10.35		10.0	104	10.06		10.0	101				
Cadmium	9.89		10.0	99	9.75		10.0	97				
Calcium	5481		5000	110	5505		5000	110				
Chromium	19.12		20.0	96	19.04		20.0	95				
Cobalt	46.21		50.0	92	46.21		50.0	92				
Copper	20.0	U	20.0	96	20.0	U	20.0	95				
Iron	1004		1000	100	1001		1000	100				
Lead	9.63		10.0	96	9.72		10.0	97				
Manganese	19.13		20.0	96	19.39		20.0	97				
Selenium	9.82		10.0	98	9.89		10.0	99				
Silver	9.81		10.0	98	9.87		10.0	99				
Thallium	9.46		10.0	95	9.51		10.0	95				
Vanadium	19.00		20.0	95	18.70		20.0	94				
Zinc	20.0	U	20.0	97	20.0	U	20.0	99				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICV Source: MEICPMSICVi_00009 Concentration Units: ug/L

CCV Source: MEICPMSCALi_00009

Analyte	ICV 200-8819/6 10/30/2010 13:49				CCV 200-8819/10 10/30/2010 14:19				CCV 200-8819/46 10/30/2010 18:53			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Manganese	48.35		50.0	97	18.92		20.0	95	19.57		20.0	98
Zinc	49.13		50.0	98	20.0	U	20.0	96	20.0	U	20.0	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICV Source: MEICPMSICVi_00009 Concentration Units: ug/L

CCV Source: MEICPMSCALi_00009

Analyte	CCV 200-8819/50 10/30/2010 19:23											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Manganese	19.27		20.0	96								
Zinc	20.0	U	20.0	98								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICV Source: MEICPMSICVi_00009 Concentration Units: ug/L

CCV Source: MEICPMSCALi_00009

Analyte	ICV 200-9011/6 11/03/2010 15:56				CCV 200-9011/10 11/03/2010 16:27				CCV 200-9011/22 11/03/2010 17:58			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	1045		1000	104	435.0		400	109	419.2		400	105
Antimony	53.39		50.0	107	20.0	U	20.0	97	20.0	U	20.0	95
Arsenic	26.43		25.0	106	10.03		10.0	100	9.74		10.0	97
Barium	1285		1250	103	241.9		250	97	239.1		250	96
Cadmium	26.24		25.0	105	10.32		10.0	103	10.14		10.0	101
Magnesium	12830		12500	103	5596		5000	112	5198		5000	104
Nickel	51.83		50.0	104	20.0	U	20.0	97	20.0	U	20.0	94
Potassium	12790		12500	102	5716		5000	114	5318		5000	106
Selenium	26.34		25.0	105	10.54		10.0	105	10.28		10.0	103
Silver	24.44		25.0	98	9.81		10.0	98	9.66		10.0	97
Sodium	12680		12500	101	5676		5000	114	5393		5000	108

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICV Source: MEICPMSICVi_00009 Concentration Units: ug/L

CCV Source: MEICPMSCALi_00009

Analyte	CCV 200-9011/34 11/03/2010 19:29				CCV 200-9011/46 11/03/2010 21:00				CCV 200-9011/54 11/03/2010 22:01			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	428.8		400	107	428.7		400	107	432.8		400	108
Antimony	20.0	U	20.0	98	20.0	U	20.0	96	20.0	U	20.0	98
Arsenic	9.82		10.0	98	9.78		10.0	98	9.77		10.0	98
Barium	244.7		250	98	244.1		250	98	247.7		250	99
Cadmium	10.52		10.0	105	10.40		10.0	104	10.61		10.0	106
Magnesium	4933		5000	99	4881		5000	98	4602		5000	92
Nickel	20.0	U	20.0	94	20.0	U	20.0	94	20.0	U	20.0	96
Potassium	5112		5000	102	5137		5000	103	4736		5000	95
Selenium	10.55		10.0	106	10.68		10.0	107	10.29		10.0	103
Silver	9.70		10.0	97	9.84		10.0	98	9.90		10.0	99
Sodium	5272		5000	105	5159		5000	103	4898		5000	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICV Source: MEHGICVw_00008 Concentration Units: ug/L

CCV Source: MEHGCCVw_00164

Analyte	ICV 200-8570/7-A 10/29/2010 09:57				CCV 200-8570/9-A 10/29/2010 10:01				CCV 200-8570/9-A 10/29/2010 10:25			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.99		3.00	100	5.01		5.00	100	5.11		5.00	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICV Source: MEHGICVw_00008 Concentration Units: ug/L

CCV Source: MEHGCCVw_00164

Analyte	CCV 200-8570/9-A 10/29/2010 10:48				CCV 200-8570/9-A 10/29/2010 11:09							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.13		5.00	103	4.99		5.00	100				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICBIS 200-8736/7 10/29/2010 15:13		CCB 200-8736/11 10/29/2010 15:44		CCB 200-8736/23 10/29/2010 17:15		CCB 200-8736/35 10/29/2010 18:46	
		Found	C	Found	C	Found	C	Found	C
Antimony	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Arsenic	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Beryllium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Cadmium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Calcium	1000	1000	U	1000	U	1000	U	1000	U
Chromium	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Cobalt	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Copper	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Iron	200	200	U	200	U	200	U	200	U
Lead	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Manganese	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Selenium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Silver	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Thallium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Vanadium	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Zinc	20.0	20.0	U	20.0	U	20.0	U	20.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 200-8736/47 10/29/2010 20:17							
		Found	C	Found	C	Found	C	Found	C
Antimony	20.0	20.0	U						
Arsenic	2.0	2.0	U						
Beryllium	2.0	2.0	U						
Cadmium	2.0	2.0	U						
Calcium	1000	1000	U						
Chromium	4.0	4.0	U						
Cobalt	10.0	10.0	U						
Copper	20.0	20.0	U						
Iron	200	200	U						
Lead	2.0	2.0	U						
Manganese	4.0	4.0	U						
Selenium	2.0	2.0	U						
Silver	2.0	2.0	U						
Thallium	2.0	2.0	U						
Vanadium	4.0	4.0	U						
Zinc	20.0	20.0	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICBIS 200-8819/7 10/30/2010 13:56		CCB 200-8819/11 10/30/2010 14:27		CCB 200-8819/47 10/30/2010 19:00		CCB 200-8819/51 10/30/2010 19:31	
		Found	C	Found	C	Found	C	Found	C
Manganese	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Zinc	20.0	20.0	U	20.0	U	20.0	U	20.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICBIS 200-9011/7 11/03/2010 16:04		CCB 200-9011/11 11/03/2010 16:34		CCB 200-9011/23 11/03/2010 18:05		CCB 200-9011/35 11/03/2010 19:36	
		Found	C	Found	C	Found	C	Found	C
Aluminum	80.0	80.0	U	80.0	U	80.0	U	80.0	U
Antimony	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Arsenic	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Barium	100	100	U	100	U	100	U	100	U
Cadmium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Magnesium	1000	1000	U	1000	U	1000	U	1000	U
Nickel	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Potassium	1000	1000	U	1000	U	1000	U	1000	U
Selenium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Silver	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Sodium	1000	1000	U	1000	U	1000	U	1000	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 200-9011/47 11/03/2010 21:07		CCB 200-9011/55 11/03/2010 22:08					
		Found	C	Found	C	Found	C	Found	C
Aluminum	80.0	80.0	U	80.0	U				
Antimony	20.0	20.0	U	20.0	U				
Arsenic	2.0	2.0	U	2.0	U				
Barium	100	100	U	100	U				
Cadmium	2.0	2.0	U	2.0	U				
Magnesium	1000	1000	U	1000	U				
Nickel	20.0	20.0	U	20.0	U				
Potassium	1000	1000	U	1000	U				
Selenium	2.0	2.0	U	2.0	U				
Silver	2.0	2.0	U	2.0	U				
Sodium	1000	1000	U	1000	U				

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 200-8570/8-A 10/29/2010 09:58		CCB 200-8570/10-A 10/29/2010 10:03		CCB 200-8570/10-A 10/29/2010 10:27		CCB 200-8570/10-A 10/29/2010 10:51	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 200-8570/10-A 10/29/2010 11:11							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U						

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 200-8516/1-A

Instrument Code: METICPMS2 Batch No.: 8736

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	2.0	U		6020
7440-38-2	Arsenic	0.20	U		6020
7440-41-7	Beryllium	0.20	U		6020
7440-43-9	Cadmium	0.20	U		6020
7440-70-2	Calcium	100	U		6020
7440-47-3	Chromium	0.40	U		6020
7440-48-4	Cobalt	1.0	U		6020
7440-50-8	Copper	2.0	U		6020
7439-89-6	Iron	20.0	U		6020
7439-92-1	Lead	0.20	U		6020
7439-96-5	Manganese	0.40	U		6020
7782-49-2	Selenium	0.20	U		6020
7440-22-4	Silver	0.20	U		6020
7440-28-0	Thallium	0.20	U		6020
7440-62-2	Vanadium	0.40	U		6020
7440-66-6	Zinc	2.0	U		6020

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 200-8516/1-A

Instrument Code: METICPMS2 Batch No.: 9011

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	8.0	U		6020
7440-39-3	Barium	10.0	U		6020
7439-95-4	Magnesium	100	U	^	6020
7440-02-0	Nickel	2.0	U		6020
7440-09-7	Potassium	100	U	^	6020
7440-23-5	Sodium	100	U	^	6020

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 200-8570/11-A

Instrument Code: MEPCV3 II Batch No.: 8689

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.033	U		7471A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: ICSA 200-8736/8 Instrument ID: METICPMS2

Lab File ID: 102910-02.xml ICS Source: MEMSICSAW_00010

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		**1.79**	
Arsenic		**-0.339**	
Beryllium		**0.0900**	
Cadmium		**0.232**	
Calcium	**100000**	**96837**	**97**
Chromium		**1.58**	
Cobalt		**1.23**	
Copper		**0.961**	
Iron	**100000**	**92667**	**93**
Lead		**0.394**	
Manganese		**0.487**	
Selenium		**-0.160**	
Silver		**0.225**	
Thallium		**0.356**	
Vanadium		**0.218**	
Zinc		**0.192**	
Aluminum	*100000*	*94633*	*95*
B		*34.7*	
Barium		*7.95*	
Magnesium	*100000*	*97507*	*98*
Mo	*2000*	*1790*	*90*
Nickel		*-2.57*	
Potassium	*100000*	*96617*	*97*
Sodium	*100000*	*97020*	*97*
W		*0.456*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: ICSAB 200-8736/9 Instrument ID: METICPMS2

Lab File ID: 102910-02.xml ICS Source: MEMSABw_00019

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Antimony	**100**	**92.2**	**92**
Arsenic	**20.0**	**18.6**	**93**
Beryllium	**20.0**	**17.7**	**89**
Cadmium	**20.0**	**19.3**	**97**
Calcium	**100000**	**100203**	**100**
Chromium	**40.0**	**36.2**	**90**
Cobalt	**50.0**	**41.4**	**83**
Copper	**100**	**80.7**	**81**
Iron	**100000**	**94393**	**94**
Lead	**20.0**	**17.1**	**85**
Manganese	**40.0**	**34.6**	**87**
Selenium	**20.0**	**16.7**	**83**
Silver	**20.0**	**17.7**	**88**
Thallium	**20.0**	**15.9**	**80**
Vanadium	**40.0**	**32.7**	**82**
Zinc	**100**	**84.5**	**84**
Aluminum	*100000*	*98997*	*99*
B	*200*	*195*	*97*
Barium	*500*	*393*	*79*
Magnesium	*100000*	*107300*	*107*
Mo	*2000*	*1828*	*91*
Nickel	*100*	*77.6*	*78*
Potassium	*100000*	*107667*	*108*
Sodium	*100000*	*107467*	*107*
W	*20.0*	*17.8*	*89*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: ICSA 200-8819/8 Instrument ID: METICPMS2

Lab File ID: 103010-02.xml ICS Source: MEMSICSAW_00010

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Manganese		**0.577**	
Zinc		**-0.0020**	
Aluminum	*100000*	*94610*	*95*
Antimony		*1.67*	
Arsenic		*0.230*	
B		*38.2*	
Barium		*9.73*	
Beryllium		*0.150*	
Cadmium		*0.234*	
Calcium	*100000*	*96700*	*97*
Chromium		*1.73*	
Cobalt		*1.39*	
Copper		*1.08*	
Iron	*100000*	*92797*	*93*
Lead		*0.398*	
Magnesium	*100000*	*98450*	*98*
Mo	*2000*	*2033*	*102*
Nickel		*-2.23*	
Potassium	*100000*	*97613*	*98*
Selenium		*-0.0760*	
Silver		*0.236*	
Sodium	*100000*	*97580*	*98*
Thallium		*0.332*	
Vanadium		*0.679*	
W		*0.490*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: ICSAB 200-8819/9 Instrument ID: METICPMS2

Lab File ID: 103010-02.xml ICS Source: MEMSABw_00019

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Manganese	**40.0**	**34.6**	**86**
Zinc	**100**	**83.8**	**84**
Aluminum	*100000*	*94810*	*95*
Antimony	*100*	*90.8*	*91*
Arsenic	*20.0*	*19.0*	*95*
B	*200*	*209*	*104*
Barium	*500*	*392*	*78*
Beryllium	*20.0*	*18.7*	*93*
Cadmium	*20.0*	*19.2*	*96*
Calcium	*100000*	*97353*	*97*
Chromium	*40.0*	*35.3*	*88*
Cobalt	*50.0*	*40.7*	*81*
Copper	*100*	*79.1*	*79*
Iron	*100000*	*92417*	*92*
Lead	*20.0*	*17.1*	*85*
Magnesium	*100000*	*114100*	*114*
Mo	*2000*	*2007*	*100*
Nickel	*100*	*76.7*	*77*
Potassium	*100000*	*113833*	*114*
Selenium	*20.0*	*17.0*	*85*
Silver	*20.0*	*17.3*	*86*
Sodium	*100000*	*114633*	*115*
Thallium	*20.0*	*16.0*	*80*
Vanadium	*40.0*	*32.2*	*81*
W	*20.0*	*17.5*	*87*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: ICSA 200-9011/8 Instrument ID: METICPMS2

Lab File ID: 110310-02.xml ICS Source: MEMSICSAW_00010

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**100000**	**108200**	**108**
Antimony		**1.88**	
Arsenic		**-0.125**	
Barium		**6.09**	
Cadmium		**0.174**	
Magnesium	**100000**	**110167**	**110**
Nickel		**-3.49**	
Potassium	**100000**	**106833**	**107**
Selenium		**-0.388**	
Silver		**0.0330**	
Sodium	**100000**	**109467**	**109**
B		*58.4*	
Beryllium		*-0.114*	
Calcium	*100000*	*107667*	*108*
Chromium		*1.56*	
Cobalt		*0.611*	
Copper		*1.06*	
Iron	*100000*	*104767*	*105*
Lead		*0.200*	
Manganese		*0.284*	
Mo	*2000*	*2013*	*101*
Thallium		*0.135*	
Vanadium		*1.57*	
W		*0.492*	
Zinc		*0.0400*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Lab Sample ID: ICSAB 200-9011/9 Instrument ID: METICPMS2

Lab File ID: 110310-02.xml ICS Source: MEMSABw_00019

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Aluminum	**100000**	**107367**	**107**
Antimony	**100**	**103**	**103**
Arsenic	**20.0**	**20.9**	**104**
Barium	**500**	**429**	**86**
Cadmium	**20.0**	**21.1**	**106**
Magnesium	**100000**	**113400**	**113**
Nickel	**100**	**80.8**	**81**
Potassium	**100000**	**109467**	**109**
Selenium	**20.0**	**18.3**	**91**
Silver	**20.0**	**18.6**	**93**
Sodium	**100000**	**112400**	**112**
B	*200*	*209*	*105*
Beryllium	*20.0*	*18.9*	*95*
Calcium	*100000*	*107100*	*107*
Chromium	*40.0*	*37.8*	*94*
Cobalt	*50.0*	*43.1*	*86*
Copper	*100*	*85.5*	*85*
Iron	*100000*	*103733*	*104*
Lead	*20.0*	*18.8*	*94*
Manganese	*40.0*	*38.3*	*96*
Mo	*2000*	*2001*	*100*
Thallium	*20.0*	*17.6*	*88*
Vanadium	*40.0*	*36.3*	*91*
W	*20.0*	*19.8*	*99*
Zinc	*100*	*91.1*	*91*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: RVG10-02 MS | Lab ID: 200-2079-4 MS

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Matrix: Tissue | Concentration Units: mg/Kg

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	100.2		15.4		38.5	221	80-120	F	6020
Antimony	1.9	U	1.8	U	1.92	93	80-120		6020
Arsenic	1.06		0.18	U	0.962	98	75-125		6020
Barium	27.18		8.8	U	24.0	99	80-120		6020
Beryllium	0.888		0.18	U	0.962	92	80-120		6020
Cadmium	0.857		0.18	U	0.962	88	75-125		6020
Calcium	1369		1000		481	76	80-120	F	6020
Chromium	1.84		0.35	U	1.92	89	75-125		6020
Cobalt	4.11		0.88	U	4.81	83	80-120		6020
Copper	2.11		1.8	U	1.92	93	75-125		6020
Iron	307.5		68.7		96.2	248	80-120	F	6020
Lead	1.26		0.18	U	0.962	116	75-125		6020
Magnesium	793.4		258		481	111	80-120	^	6020
Manganese	6.85		3.9		1.92	151	80-120	F	6020
Nickel	1.96		1.8	U	1.92	101	75-125		6020
Potassium	2714		3700		481	-206	80-120	^ 4	6020
Selenium	0.973		0.18		0.962	83	80-120		6020
Silver	0.838		0.18	U	0.962	86	75-125		6020
Sodium	1338		684		481	136	80-120	^ F	6020
Thallium	0.832		0.18	U	0.962	83	80-120		6020
Vanadium	1.81		0.35	U	1.92	90	80-120		6020
Zinc	5.93		2.3		1.92	190	80-120	F	6020
Mercury	0.128		0.027	U	0.132	97	80-120		7471A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: RLB10-01 MS | Lab ID: 200-2079-12 MS

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

Matrix: Tissue | Concentration Units: mg/Kg

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	35.67		7.2	U	34.5	100	80-120		6020
Antimony	1.91		1.8	U	1.72	111	80-120		6020
Arsenic	0.711		0.18	U	0.862	80	75-125		6020
Barium	20.45		9.0	U	21.6	92	80-120		6020
Beryllium	0.766		0.18	U	0.862	89	80-120		6020
Cadmium	0.730		0.18	U	0.862	85	75-125		6020
Calcium	568.0		1180		431	-141	80-120	F	6020
Chromium	1.54		0.36	U	1.72	79	75-125		6020
Cobalt	3.50		0.90	U	4.31	79	80-120	F	6020
Copper	1.7	U	1.8	U	1.72	82	75-125		6020
Iron	76.85		18.0	U	86.2	89	80-120		6020
Lead	0.734		0.18	U	0.862	82	75-125		6020
Magnesium	688.0		298		431	90	80-120	^	6020
Manganese	1.54		0.36	U	1.72	78	80-120	F	6020
Nickel	1.7	U	1.8	U	1.72	87	75-125		6020
Potassium	4056		3730		431	75	80-120	^ 4	6020
Selenium	0.947		0.18		0.862	89	80-120		6020
Silver	0.741		0.18	U	0.862	85	75-125		6020
Sodium	997.4		564		431	101	80-120	^	6020
Thallium	0.717		0.18	U	0.862	80	80-120		6020
Vanadium	1.46		0.36	U	1.72	82	80-120		6020
Zinc	9.52		6.0		1.72	201	80-120	F	6020
Mercury	0.182		0.066		0.128	90	80-120		7471A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 200-2079-A-4-I PDS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.: _____

Matrix: Tissue Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	53.07		15.4		35.4	106	75-125		6020
Antimony	1.8	U	1.88		1.77	95	75-125		6020
Arsenic	0.864		0.905		0.885	84	75-125		6020
Barium	23.39		8.8	U	22.1	90	75-125		6020
Beryllium	0.839		0.841		0.885	95	75-125		6020
Cadmium	0.777		0.864		0.885	87	75-125		6020
Calcium	1288		1459		442	64	75-125	W	6020
Chromium	1.66		1.78		1.77	86	75-125		6020
Cobalt	3.75		4.01		4.42	82	75-125		6020
Copper	1.83		1.93		1.77	85	75-125		6020
Iron	147.2		161.2		88.5	89	75-125		6020
Lead	0.900		0.983		0.885	85	75-125		6020
Magnesium	715.8		258		442	104	75-125	^	6020
Manganese	5.43		5.86		1.77	84	75-125		6020
Nickel	1.8	U	1.8	U	1.77	92	75-125		6020
Potassium	4131		3700		442	97	75-125	^	6020
Selenium	0.918		0.967		0.885	84	75-125		6020
Silver	0.773		0.812		0.885	86	75-125		6020
Sodium	1135		684		442	102	75-125	^	6020
Thallium	0.766		0.836		0.885	83	75-125		6020
Vanadium	1.59		1.74		1.77	86	75-125		6020
Zinc	3.74		4.07		1.77	82	75-125		6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VB - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 200-2079-A-12-I PDS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.: _____

Matrix: Tissue Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	40.77		7.2	U	36.0	110	75-125		6020
Antimony	1.8	U	1.8	U	1.80	98	75-125		6020
Arsenic	0.794		0.18	U	0.901	86	75-125		6020
Barium	21.37		9.0	U	22.5	92	75-125		6020
Beryllium	0.872		0.18	U	0.901	97	75-125		6020
Cadmium	0.824		0.18	U	0.901	91	75-125		6020
Calcium	1495		1180		450	70	75-125	W	6020
Chromium	1.76		0.36	U	1.80	87	75-125		6020
Cobalt	3.88		0.90	U	4.50	84	75-125		6020
Copper	1.8	U	1.8	U	1.80	88	75-125		6020
Iron	85.27		18.0	U	90.1	94	75-125		6020
Lead	0.820		0.18	U	0.901	88	75-125		6020
Magnesium	731.2		298		450	96	75-125	^	6020
Manganese	1.80		0.36	U	1.80	89	75-125		6020
Nickel	1.8	U	1.8	U	1.80	90	75-125		6020
Potassium	4041		3730		450	68	75-125	^ W	6020
Selenium	0.944		0.18		0.901	85	75-125		6020
Silver	0.814		0.18	U	0.901	89	75-125		6020
Sodium	1002		564		450	97	75-125	^	6020
Thallium	0.808		0.18	U	0.901	86	75-125		6020
Vanadium	1.62		0.36	U	1.80	87	75-125		6020
Zinc	7.58		6.0		1.80	85	75-125		6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VB - IN

6-IN
DUPLICATES
METALS

Client ID: RVG10-02 DU | Lab ID: 200-2079-4 DU

Lab Name: TestAmerica Burlington | Job No.: 200-2079-1

SDG No.:

% Solids for Sample: | % Solids for Duplicate:

Matrix: Tissue | Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Aluminum	7.5	15.4		63.22		122	F	6020
Antimony	1.9	1.8	U	1.9	U	NC		6020
Arsenic	0.19	0.18	U	0.268		77		6020
Barium	9.4	8.8	U	9.4	U	27		6020
Beryllium	0.19	0.18	U	0.19	U	NC		6020
Cadmium	0.19	0.18	U	0.19	U	89		6020
Calcium	94.3	1000		1052		5		6020
Chromium	0.38	0.35	U	0.38	U	55		6020
Cobalt	0.94	0.88	U	0.94	U	32		6020
Copper	1.9	1.8	U	1.9	U	30		6020
Iron	18.9	68.7		211.6		102	F	6020
Lead	0.19	0.18	U	0.535		115	F	6020
Magnesium	94.3	258		288.1		11	^	6020
Manganese	0.38	3.9		6.07		43	F	6020
Nickel	1.9	1.8	U	1.9	U	134		6020
Potassium	94.3	3700		2142		53	^ F	6020
Selenium	0.19	0.18		0.19	U	30		6020
Silver	0.19	0.18	U	0.19	U	13		6020
Sodium	94.3	684		762.4		11	^	6020
Thallium	0.19	0.18	U	0.19	U	18		6020
Vanadium	0.38	0.35	U	0.38	U	83		6020
Zinc	1.9	2.3		5.47		82	F	6020
Mercury	0.026	0.027	U	0.026	U	NC		7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: Lab ID: 200-2079-A-12-I PDS DU

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

% Solids for Sample: % Solids for Duplicate:

Matrix: Tissue Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Aluminum	7.3	7.2	U	7.3	U	NC		6020
Antimony	1.8	1.8	U	1.8	U	NC		6020
Arsenic	0.18	0.854		0.18	U	43		6020
Barium	9.2	9.0	U	9.2	U	17		6020
Beryllium	0.18	0.836		0.18	U	NC		6020
Cadmium	0.18	0.888		0.18	U	NC		6020
Calcium	91.7	1780		120.9		163	F	6020
Chromium	0.37	1.85		0.37	U	11		6020
Cobalt	0.92	4.07		0.92	U	2		6020
Copper	1.8	1.80		1.8	U	13		6020
Iron	18.3	94.77		18.3	U	96		6020
Lead	0.18	0.896		0.18	U	9		6020
Magnesium	91.7	298		274.5		8	^	6020
Manganese	0.37	2.05		0.37	U	47		6020
Nickel	1.8	1.8	U	1.8	U	NC		6020
Potassium	91.7	3730		3708		0.7	^	6020
Selenium	0.18	1.05		0.18	U	3		6020
Silver	0.18	0.822		0.18	U	2		6020
Sodium	91.7	564		564.8		0.2	^	6020
Thallium	0.18	0.884		0.18	U	2		6020
Vanadium	0.37	1.83		0.37	U	0.009		6020
Zinc	1.8	8.86		8.25		31	F	6020
Mercury	0.031	0.066		0.0702		6		7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 200-8516/2-A

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

Sample Matrix: Tissue LCS Source: MEICPMSICVi_00009

Analyte	Tissue(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Antimony	5.00	5.35		107	80	120		6020
Arsenic	2.50	2.46		98	80	120		6020
Beryllium	2.50	2.64		106	80	120		6020
Cadmium	2.50	2.43		97	80	120		6020
Calcium	1250	1396		112	80	120		6020
Chromium	5.00	5.02		100	80	120		6020
Cobalt	12.5	12.37		99	80	120		6020
Copper	5.00	4.92		98	80	120		6020
Iron	250	256.6		103	80	120		6020
Lead	2.50	2.44		98	80	120		6020
Manganese	5.00	4.97		99	80	120		6020
Selenium	2.50	2.33		93	80	120		6020
Silver	2.50	2.35		94	80	120		6020
Thallium	2.50	2.30		92	80	120		6020
Vanadium	5.00	4.91		98	80	120		6020
Zinc	5.00	4.88		98	80	120		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 200-8516/2-A

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

Sample Matrix: Tissue LCS Source: MEICPMSICVi_00009

Analyte	Tissue(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	100	104.3		104	80	120		6020
Barium	125	128.1		102	80	120		6020
Magnesium	1250	1348		108	80	120	^	6020
Nickel	5.00	4.93		99	80	120		6020
Potassium	1250	1348		108	80	120	^	6020
Sodium	1250	1351		108	80	120	^	6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 200-8570/12-A

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

Sample Matrix: Tissue LCS Source: MEHGCCVw_00164

Analyte	Tissue(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.100	0.101		101	80	120		7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 200-2079-4

SDG No:

Lab Name: TestAmerica Burlington Job No: 200-2079-1

Matrix: Tissue Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	15.4		35.4	U	4.7		6020
Antimony	1.8	U	8.8	U	NC		6020
Arsenic	0.18	U	0.88	U	NC		6020
Barium	8.8	U	44.2	U	61	V	6020
Beryllium	0.18	U	0.88	U	NC		6020
Cadmium	0.18	U	0.88	U	NC		6020
Calcium	1000		904.9		9.8		6020
Chromium	0.35	U	1.8	U	NC		6020
Cobalt	0.88	U	4.4	U	NC		6020
Copper	1.8	U	8.8	U	NC		6020
Iron	68.7		88.5	U	7.5		6020
Lead	0.18	U	0.88	U	52	V	6020
Magnesium	258		442	U	21	^ V	6020
Manganese	3.9		4.05		2.9		6020
Nickel	1.8	U	8.8	U	NC		6020
Potassium	3700		3761		1.6	^	6020
Selenium	0.18		0.88	U	NC		6020
Silver	0.18	U	0.88	U	NC		6020
Sodium	684		739.4		8.1	^	6020
Thallium	0.18	U	0.88	U	NC		6020
Vanadium	0.35	U	1.8	U	NC		6020
Zinc	2.3		8.8	U	NC		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 200-2079-12

SDG No:

Lab Name: TestAmerica Burlington Job No: 200-2079-1

Matrix: Tissue Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	7.2	U	36.0	U	NC		6020
Antimony	1.8	U	9.0	U	NC		6020
Arsenic	0.18	U	0.90	U	NC		6020
Barium	9.0	U	45.0	U	NC		6020
Beryllium	0.18	U	0.90	U	NC		6020
Cadmium	0.18	U	0.90	U	NC		6020
Calcium	1180		1047		11	V	6020
Chromium	0.36	U	1.8	U	NC		6020
Cobalt	0.90	U	4.5	U	NC		6020
Copper	1.8	U	9.0	U	NC		6020
Iron	18.0	U	90.1	U	NC		6020
Lead	0.18	U	0.90	U	NC		6020
Magnesium	298		450	U	20	^ V	6020
Manganese	0.36	U	1.8	U	NC		6020
Nickel	1.8	U	9.0	U	NC		6020
Potassium	3730		3866		3.6	^	6020
Selenium	0.18		0.90	U	NC		6020
Silver	0.18	U	0.90	U	NC		6020
Sodium	564		625.7		11	^ V	6020
Thallium	0.18	U	0.90	U	NC		6020
Vanadium	0.36	U	1.8	U	NC		6020
Zinc	6.0		9.0	U	9.4		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Burlington Job Number: 200-2079-1

SDG Number:

Matrix: Tissue Instrument ID: METICPMS2

Analysis Method: 6020 MDL Date: 07/23/2010 13:56

Prep Method: 3050B

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum		8	0.3
Antimony		2	0.2
Arsenic		0.2	0.003
Barium		10	0.03
Beryllium		0.2	0.013
Cadmium		0.2	0.0047
Calcium		100	0.86
Chromium		0.4	0.011
Cobalt		1	0.0059
Copper		2	0.01
Iron		20	0.4
Lead		0.2	0.0028
Magnesium		100	0.39
Manganese		0.4	0.027
Nickel		2	0.01
Potassium		100	0.71
Selenium		0.2	0.016
Silver		0.2	0.0032
Sodium		100	0.54
Thallium		0.2	0.0016
Vanadium		0.4	0.007
Zinc		2	0.051

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Burlington Job Number: 200-2079-1

SDG Number:

Matrix: Tissue Instrument ID: METICPMS2

Analysis Method: 6020 XMDL Date: 08/06/2010 10:10

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		80	3.2
Antimony		20	1.6
Arsenic		2	0.037
Barium		100	6.1
Beryllium		2	0.053
Cadmium		2	0.07
Calcium		1000	14
Chromium		4	0.27
Cobalt		10	0.21
Copper		20	0.89
Iron		200	21
Lead		2	0.035
Magnesium		1000	15
Manganese		4	0.11
Nickel		20	1.5
Potassium		1000	19
Selenium		2	0.4
Silver		2	0.055
Sodium		1000	12
Thallium		2	0.049
Vanadium		4	0.5
Zinc		20	0.86

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Burlington Job Number: 200-2079-1

SDG Number:

Matrix: Tissue Instrument ID: MEPCV3 II

Analysis Method: 7471A MDL Date: 07/08/2010 16:27

Prep Method: 7471A

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury		0.033	0.011

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Burlington Job Number: 200-2079-1

SDG Number:

Matrix: Tissue Instrument ID: MEPCV3 II

Analysis Method: 7471A XMDL Date: 07/15/2010 10:22

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.034

11-IN
ICP-AES AND ICP-MS LINEAR RANGES
METALS

Lab Name: TestAmerica Burlington Job No: 200-2079-1

SDG No.:

Instrument ID: METICPMS2 Date: 08/01/2009 16:33

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum		20000	6020
Antimony		1000	6020
Arsenic		500	6020
Barium		12500	6020
Beryllium		500	6020
Cadmium		250	6020
Calcium		250000	6020
Chromium		1000	6020
Cobalt		2500	6020
Copper		500	6020
Iron		50000	6020
Lead		500	6020
Magnesium		250000	6020
Manganese		500	6020
Nickel		1000	6020
Potassium		125000	6020
Selenium		50	6020
Silver		50	6020
Sodium		250000	6020
Thallium		500	6020
Vanadium		1000	6020
Zinc		500	6020

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 200-8516/1-A	10/27/2010 12:30	8516	1.00		100
LCS 200-8516/2-A	10/27/2010 12:30	8516	1.00		100
200-2079-1	10/27/2010 12:30	8516	1.24		100
200-2079-2	10/27/2010 12:30	8516	1.13		100
200-2079-3	10/27/2010 12:30	8516	1.22		100
200-2079-4	10/27/2010 12:30	8516	1.13		100
200-2079-4 DU	10/27/2010 12:30	8516	1.06		100
200-2079-4 MS	10/27/2010 12:30	8516	1.04		100
200-2079-5	10/27/2010 12:30	8516	1.10		100
200-2079-6	10/27/2010 12:30	8516	1.20		100
200-2079-7	10/27/2010 12:30	8516	1.05		100
200-2079-8	10/27/2010 12:30	8516	1.17		100
200-2079-9	10/27/2010 12:30	8516	1.10		100
200-2079-10	10/27/2010 12:30	8516	1.14		100
200-2079-11	10/27/2010 12:30	8516	1.19		100
200-2079-12	10/27/2010 12:30	8516	1.11		100
200-2079-A-12-I PDS DU	10/27/2010 12:30	8516	1.09		100
200-2079-12 MS	10/27/2010 12:30	8516	1.16		100
200-2079-13	10/27/2010 12:30	8516	1.02		100
200-2079-14	10/27/2010 12:30	8516	1.00		100
200-2079-15	10/27/2010 12:30	8516	1.00		100
200-2081-1	10/27/2010 12:30	8516	1.16		100
200-2081-2	10/27/2010 12:30	8516	1.08		100
200-2081-3	10/27/2010 12:30	8516	1.10		100
200-2081-4	10/27/2010 12:30	8516	1.11		100
200-2081-5	10/27/2010 12:30	8516	1.23		100

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Preparation Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 200-8570/11-A	10/28/2010 11:06	8570	0.30		50
LCS 200-8570/12-A	10/28/2010 11:06	8570	0.50		50
200-2079-1	10/28/2010 11:06	8570	0.35		50
200-2079-2	10/28/2010 11:06	8570	0.35		50
200-2079-3	10/28/2010 11:06	8570	0.36		50
200-2079-4	10/28/2010 11:06	8570	0.37		50
200-2079-4 DU	10/28/2010 11:06	8570	0.38		50
200-2079-4 MS	10/28/2010 11:06	8570	0.38		50
200-2079-5	10/28/2010 11:06	8570	0.31		50
200-2079-6	10/28/2010 11:06	8570	0.30		50
200-2079-7	10/28/2010 11:06	8570	0.33		50
200-2079-8	10/28/2010 11:06	8570	0.37		50
200-2079-9	10/28/2010 11:06	8570	0.38		50
200-2079-10	10/28/2010 11:06	8570	0.33		50
200-2079-11	10/28/2010 11:06	8570	0.39		50
200-2079-12	10/28/2010 11:06	8570	0.39		50
200-2079-12 DU	10/28/2010 11:06	8570	0.32		50
200-2079-12 MS	10/28/2010 11:06	8570	0.39		50
200-2079-13	10/28/2010 11:06	8570	0.33		50
200-2079-14	10/28/2010 11:06	8570	0.30		50
200-2079-15	10/28/2010 11:06	8570	0.30		50
200-2081-1	10/28/2010 11:06	8570	0.32		50
200-2081-2	10/28/2010 11:06	8570	0.38		50
200-2081-3	10/28/2010 11:06	8570	0.34		50
200-2081-4	10/28/2010 11:06	8570	0.39		50
200-2081-5	10/28/2010 11:06	8570	0.31		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: METICPMS2 Method: 6020

Start Date: 10/29/2010 08:04 End Date: 10/29/2010 20:17

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Be	Ca	Cd	Co	Cr	Cu	Fe	Mn	Pb	Sb	Se	Tl	V	Zn				
ITUNE 200-8736/1			08:04																				
STD0 200-8736/2 IC	1		14:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
STD1 200-8736/3 IC	1		14:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
STD2 200-8736/4 IC	1		14:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
STD3 200-8736/5 IC	1		14:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
ICV 200-8736/6	1		15:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
ICBIS 200-8736/7	1		15:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
ICSA 200-8736/8	1		15:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
ICSAB 200-8736/9	1		15:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
CCV 200-8736/10	1		15:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
CCB 200-8736/11	1		15:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
MB 200-8516/1-A	1	T	15:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
LCS 200-8516/2-A	1	T	15:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
200-2079-1	1	T	16:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
200-2079-2	1	T	16:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
200-2079-3	1	T	16:22	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X				
200-2079-4	1	T	16:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
200-2079-4 SD	5	T	16:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
200-2079-A-4-I PDS	1	T	16:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
200-2079-4 DU	1	T	16:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
200-2079-4 MS	1	T	16:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
CCV 200-8736/22	1		17:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
CCB 200-8736/23	1		17:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
200-2079-5	1	T	17:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
200-2079-6	1	T	17:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
200-2079-7	1	T	17:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
200-2079-8	1	T	17:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
200-2079-9	1	T	17:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
200-2079-10	1	T	18:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
200-2079-11	1	T	18:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
200-2079-12	1	T	18:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
200-2079-12 SD	5	T	18:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
200-2079-A-12-I PDS	1	T	18:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
CCV1 200-8736/34	1		18:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
CCB 200-8736/35	1		18:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
200-2079-A-12-I PDS DU	1	T	18:53	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X				
200-2079-12 MS	1	T	19:01	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X				
200-2079-13	1	T	19:08	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X				
200-2079-14	1	T	19:16	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X				
200-2079-15	1	T	19:24	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X				
200-2081-1	1	T	19:31	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: METICPMS2 Method: 6020

Start Date: 10/29/2010 08:04 End Date: 10/29/2010 20:17

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Be	Ca	Cd	Co	Cr	Cu	Fe	Mn	Pb	Sb	Se	Tl	V	Zn				
200-2081-2	1	T	19:39	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X				
200-2081-3	1	T	19:46	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X				
200-2081-4	1	T	19:54			X	X		X	X	X	X	X	X			X	X					
200-2081-5	1	T	20:01			X	X		X	X	X	X	X	X			X	X	X				
CCV 200-8736/46	1		20:09	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X				
CCB 200-8736/47	1		20:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: METICPMS2 Method: 6020

Start Date: 10/30/2010 08:45 End Date: 10/30/2010 19:31

Lab Sample ID	D/F	Type	Time	Analytes																				
				Mn	Zn																			
ITUNE 200-8819/1			08:45																					
STD0 200-8819/2 IC	1		13:18	X	X																			
STD1 200-8819/3 IC	1		13:26	X	X																			
STD2 200-8819/4 IC	1		13:34	X	X																			
STD3 200-8819/5 IC	1		13:41	X	X																			
ICV 200-8819/6	1		13:49	X	X																			
ICBIS 200-8819/7	1		13:56	X	X																			
ICSA 200-8819/8	1		14:04	X	X																			
ICSAB 200-8819/9	1		14:12	X	X																			
CCV 200-8819/10	1		14:19	X	X																			
CCB 200-8819/11	1		14:27	X	X																			
ZZZZZZ			14:34																					
ZZZZZZ			14:42																					
ZZZZZZ			14:50																					
ZZZZZZ			14:57																					
ZZZZZZ			15:05																					
ZZZZZZ			15:12																					
ZZZZZZ			15:20																					
ZZZZZZ			15:28																					
ZZZZZZ			15:35																					
ZZZZZZ			15:43																					
CCV 200-8819/22			15:50																					
CCB 200-8819/23			15:58																					
ZZZZZZ			16:06																					
ZZZZZZ			16:13																					
ZZZZZZ			16:21																					
ZZZZZZ			16:28																					
ZZZZZZ			16:36																					
ZZZZZZ			16:44																					
ZZZZZZ			16:51																					
ZZZZZZ			16:59																					
ZZZZZZ			17:06																					
ZZZZZZ			17:14																					
CCV 200-8819/34			17:22																					
CCB 200-8819/35			17:29																					
ZZZZZZ			17:37																					
ZZZZZZ			17:44																					
ZZZZZZ			17:52																					
ZZZZZZ			18:00																					
ZZZZZZ			18:07																					
ZZZZZZ			18:15																					
ZZZZZZ			18:22																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: METICPMS2 Method: 6020

Start Date: 10/30/2010 08:45 End Date: 10/30/2010 19:31

Lab Sample ID	D / F	Type	Time	Analytes																				
				Mn	Zn																			
ZZZZZZ			18:30																					
ZZZZZZ			18:38																					
ZZZZZZ			18:45																					
CCV 200-8819/46	1		18:53	X	X																			
CCB 200-8819/47	1		19:00	X	X																			
200-2079-3	10	T	19:08	X																				
200-2081-4	10	T	19:16		X																			
CCV 200-8819/50	1		19:23	X	X																			
CCB 200-8819/51	1		19:31	X	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: METICPMS2 Method: 6020

Start Date: 11/03/2010 09:28 End Date: 11/03/2010 22:08

Lab Sample ID	D/F	Type	Time	Analytes																		
				Ag	Al	As	Ba	Cd	K	Mg	Na	Ni	Sb	Se								
ITUNE 200-9011/1			09:28																			
STD0 200-9011/2 IC	1		15:26	X	X	X	X	X	X	X	X	X	X	X								
STD1 200-9011/3 IC	1		15:33	X	X	X	X	X	X	X	X	X	X	X								
STD2 200-9011/4 IC	1		15:41	X	X	X	X	X	X	X	X	X	X	X								
STD3 200-9011/5 IC	1		15:49	X	X	X	X	X	X	X	X	X	X	X								
ICV 200-9011/6	1		15:56	X	X	X	X	X	X	X	X	X	X	X								
ICBIS 200-9011/7	1		16:04	X	X	X	X	X	X	X	X	X	X	X								
ICSA 200-9011/8	1		16:11	X	X	X	X	X	X	X	X	X	X	X								
ICSAB 200-9011/9	1		16:19	X	X	X	X	X	X	X	X	X	X	X								
CCV 200-9011/10	1		16:27	X	X	X	X	X	X	X	X	X	X	X								
CCB 200-9011/11	1		16:34	X	X	X	X	X	X	X	X	X	X	X								
MB 200-8516/1-A	1	T	16:42		X		X		X	X	X	X										
LCS 200-8516/2-A	1	T	16:49		X		X		X	X	X	X										
200-2079-1	1	T	16:57		X		X		X	X	X	X										
200-2079-2	1	T	17:05		X		X		X	X	X	X										
200-2079-3	1	T	17:12		X		X		X	X	X	X										
200-2079-4	1	T	17:20		X		X		X	X	X	X										
200-2079-4 SD	5	T	17:27		X		X		X	X	X	X										
200-2079-A-4-I PDS	1	T	17:35		X		X		X	X	X	X										
200-2079-4 DU	1	T	17:42		X		X		X	X	X	X										
200-2079-4 MS	1	T	17:50		X		X		X	X	X	X										
CCV 200-9011/22	1		17:58	X	X	X	X	X	X	X	X	X	X	X								
CCB 200-9011/23	1		18:05	X	X	X	X	X	X	X	X	X	X	X								
200-2079-5	1	T	18:13		X		X		X	X	X	X										
200-2079-6	1	T	18:20		X		X		X	X	X	X										
200-2079-7	1	T	18:28		X		X		X	X	X	X										
200-2079-8	1	T	18:36		X		X		X	X	X	X										
200-2079-9	1	T	18:43		X		X		X	X	X	X										
200-2079-10	1	T	18:51		X		X		X	X	X	X										
200-2079-11	1	T	18:58		X		X		X	X	X	X										
200-2079-12	1	T	19:06		X		X		X	X	X	X										
200-2079-12 SD	5	T	19:14		X		X		X	X	X	X										
200-2079-A-12-I PDS	1	T	19:21		X		X		X	X	X	X										
CCV 200-9011/34	1		19:29	X	X	X	X	X	X	X	X	X	X	X								
CCB 200-9011/35	1		19:36	X	X	X	X	X	X	X	X	X	X	X								
200-2079-A-12-I PDS DU	1	T	19:44		X		X		X	X	X	X	X									
200-2079-12 MS	1	T	19:52		X		X		X	X	X	X	X									
200-2079-13	1	T	19:59		X		X		X	X	X	X	X									
200-2079-14	1	T	20:07		X		X		X	X	X	X	X									
200-2079-15	1	T	20:14		X		X		X	X	X	X	X									
200-2081-1	1	T	20:22		X		X		X	X	X	X	X									

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: METICPMS2 Method: 6020

Start Date: 11/03/2010 09:28 End Date: 11/03/2010 22:08

Lab Sample ID	D / F	Type	Time	Analytes																		
				Ag	Al	As	Ba	Cd	K	Mg	Na	Ni	Sb	Se								
200-2081-2	1	T	20:29		X		X		X	X	X	X	X									
200-2081-3	1	T	20:37		X		X		X	X	X	X	X									
200-2081-4	1	T	20:45	X	X	X	X	X	X	X	X	X	X	X								
ZZZZZZ			20:52																			
CCV 200-9011/46	1		21:00	X	X	X	X	X	X	X	X	X	X	X								
CCB 200-9011/47	1		21:07	X	X	X	X	X	X	X	X	X	X	X								
ZZZZZZ			21:15																			
200-2081-5	2	T	21:23	X	X	X	X	X	X	X	X	X	X	X								
ZZZZZZ			21:30																			
ZZZZZZ			21:38																			
ZZZZZZ			21:45																			
ZZZZZZ			21:53																			
CCV 200-9011/54	1		22:01	X	X	X	X	X	X	X	X	X	X	X								
CCB 200-9011/55	1		22:08	X	X	X	X	X	X	X	X	X	X	X								

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: MEPCV3 II Method: 7471A

Start Date: 10/29/2010 09:44 End Date: 10/29/2010 11:11

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
IC 200-8570/1-A			09:44	X																			
IC 200-8570/2-A			09:46	X																			
IC 200-8570/3-A			09:48	X																			
IC 200-8570/4-A			09:50	X																			
IC 200-8570/5-A			09:52	X																			
IC 200-8570/6-A			09:54	X																			
ICV 200-8570/7-A	1		09:57	X																			
ICB 200-8570/8-A	1		09:58	X																			
CCV 200-8570/9-A	1		10:01	X																			
CCB 200-8570/10-A	1		10:03	X																			
MB 200-8570/11-A	1	T	10:05	X																			
LCS 200-8570/12-A	1	T	10:07	X																			
200-2079-1	1	T	10:09	X																			
200-2079-2	1	T	10:11	X																			
200-2079-3	1	T	10:13	X																			
200-2079-4	1	T	10:16	X																			
200-2079-4 DU	1	T	10:18	X																			
200-2079-4 MS	1	T	10:21	X																			
200-2079-5	1	T	10:23	X																			
CCV 200-8570/9-A	1		10:25	X																			
CCB 200-8570/10-A	1		10:27	X																			
200-2079-6	1	T	10:29	X																			
200-2079-7	1	T	10:31	X																			
200-2079-8	1	T	10:34	X																			
200-2079-9	1	T	10:36	X																			
200-2079-10	1	T	10:38	X																			
200-2079-11	1	T	10:40	X																			
200-2079-12	1	T	10:42	X																			
200-2079-12 DU	1	T	10:44	X																			
200-2079-12 MS	1	T	10:46	X																			
CCV 200-8570/9-A	1		10:48	X																			
CCB 200-8570/10-A	1		10:51	X																			
200-2079-13	1	T	10:52	X																			
200-2079-14	1	T	10:55	X																			
200-2079-15	1	T	10:57	X																			
200-2081-1	1	T	10:59	X																			
200-2081-2	1	T	11:01	X																			
200-2081-3	1	T	11:03	X																			
200-2081-4	1	T	11:05	X																			
200-2081-5	1	T	11:07	X																			
CCV 200-8570/9-A	1		11:09	X																			
CCB 200-8570/10-A	1		11:11	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: MEPCV3 II Method: 7471A

Start Date: 10/29/2010 09:44 End Date: 10/29/2010 11:11

Prep Types
T = Total/NA

14-IN
ICP-MS TUNE
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICP-MS Instrument ID: METICPMS2 Analysis Date: 10/29/10

Lab ID: ITUNE 200-8736/1

Element - Mass	Avg. Measured Mass (amu)	Avg. Peak Width at Peak Height (amu)	% RSD	Q
Li-6	5.9551	0.81	0.448	
Be-9	8.9422	0.84	1.351	
Mg-24	23.965	0.78	0.392	
Mg-25	24.9658	0.78	1.500	
Mg-26	25.9726	0.78	1.444	
Al-27	26.9715	0.77	0.296	
Sc-45	44.9559	0.74	1.334	
V-51	50.934	0.75	0.397	
Co-59	58.9132	0.75	1.017	
Y-89	88.8959	0.74	0.685	
In-113	112.8941	0.73	1.563	
In-115	114.8939	0.72	0.838	
Ba-137	136.8958	0.73	0.659	
Ce-140	139.8854	0.73	0.852	
Tb-159	158.9154	0.73	0.395	
Pb-206	205.9745	0.71	0.659	
Pb-207	206.9759	0.68	0.549	
Pb-208	207.9766	0.70	0.787	
Th-232	232.0581	0.67	1.740	
U-238	238.0708	0.66	1.063	

14-IN
ICP-MS TUNE
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICP-MS Instrument ID: METICPMS2 Analysis Date: 10/30/10

Lab ID: ITUNE 200-8819/1

Element - Mass	Avg. Measured Mass (amu)	Avg. Peak Width at Peak Height (amu)	% RSD	Q
Li-6	5.9951	0.81	0.439	
Be-9	8.9922	0.84	2.193	
Mg-24	23.985	0.80	0.553	
Mg-25	24.9958	0.79	1.431	
Mg-26	25.9926	0.78	3.446	
Al-27	27.0015	0.79	0.350	
Sc-45	44.9859	0.79	0.672	
V-51	50.964	0.79	0.372	
Co-59	58.9432	0.80	0.488	
Y-89	88.9159	0.81	0.329	
In-113	112.9141	0.79	1.202	
In-115	114.9139	0.80	0.643	
Ba-137	136.9058	0.81	1.424	
Ce-140	139.9054	0.81	0.509	
Tb-159	158.9254	0.81	0.482	
Pb-206	205.9745	0.80	0.261	
Pb-207	206.9759	0.81	0.591	
Pb-208	207.9766	0.81	0.349	
Th-232	232.0581	0.80	0.297	
U-238	238.0708	0.79	0.331	

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ICP-MS TUNE
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICP-MS Instrument ID: METICPMS2 Analysis Date: 11/03/10

Lab ID: ITUNE 200-9011/1

Element - Mass	Avg. Measured Mass (amu)	Avg. Peak Width at Peak Height (amu)	% RSD	Q
Li-6	5.9651	0.84	0.341	
Be-9	8.9422	0.85	0.818	
Mg-24	23.965	0.83	0.538	
Mg-25	24.9858	0.81	3.036	
Mg-26	25.9726	0.83	2.896	
Al-27	26.9815	0.80	0.575	
Sc-45	44.9659	0.79	0.596	
V-51	50.944	0.80	0.509	
Co-59	58.9332	0.83	0.352	
Y-89	88.9059	0.85	0.492	
In-113	112.9041	0.84	1.441	
In-115	114.9039	0.84	0.385	
Ba-137	136.8958	0.85	1.419	
Ce-140	139.8954	0.85	0.905	
Tb-159	158.9154	0.86	1.316	
Pb-206	205.9845	0.86	0.775	
Pb-207	206.9859	0.86	1.095	
Pb-208	207.9866	0.86	0.515	
Th-232	232.0581	0.84	0.794	
U-238	238.0708	0.83	0.672	

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ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICP-MS Instrument ID: METICPMS2 Start Date: 10/29/2010 End Date: 10/29/2010

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc-45	Q	Element Y-89	Q	Element In-115	Q	Element Tb-159	Q
STD0 200-8736/2 IC	14:35	100		100		100		100		100	
STD1 200-8736/3 IC	14:43	99		97		98		98		100	
STD2 200-8736/4 IC	14:50	98		95		97		97		100	
STD3 200-8736/5 IC	14:58	97		96		98		99		103	
ICV 200-8736/6	15:06	99		100		100		101		105	
ICBIS 200-8736/7	15:13	100		99		101		100		102	
ICSA 200-8736/8	15:21	83		84		85		83		85	
ICSAB 200-8736/9	15:28	78		85		84		82		83	
CCV 200-8736/10	15:36	88		103		102		100		97	
CCB 200-8736/11	15:44	91		105		104		102		100	
MB 200-8516/1-A	15:51	94		107		108		107		105	
LCS 200-8516/2-A	15:59	95		106		107		106		110	
200-2079-1	16:06	94		110		109		107		107	
200-2079-2	16:14	96		113		109		107		106	
200-2079-3	16:22	90		104		108		102		101	
200-2079-4	16:29	91		103		103		103		101	
200-2079-4 SD	16:37	92		102		103		103		100	
200-2079-A-4-I PDS	16:44	92		103		104		104		102	
200-2079-4 DU	16:52	89		100		103		102		99	
200-2079-4 MS	16:59	89		100		102		101		98	
CCV 200-8736/22	17:07	91		100		101		100		97	
CCB 200-8736/23	17:15	94		100		102		103		98	
200-2079-5	17:22	93		100		103		103		102	
200-2079-6	17:30	94		104		105		105		103	
200-2079-7	17:37	96		106		107		106		100	
200-2079-8	17:45	95		107		106		106		100	
200-2079-9	17:53	94		107		106		104		98	
200-2079-10	18:00	94		108		104		102		95	
200-2079-11	18:08	93		105		105		101		92	
200-2079-12	18:15	95		104		104		102		93	
200-2079-12 SD	18:23	100		107		106		103		92	
200-2079-A-12-I PDS	18:30	89		95		96		96		89	
CCV1 200-8736/34	18:38	97		100		100		98		90	
CCB 200-8736/35	18:46	98		99		100		99		91	
200-2079-A-12-I PDS	18:53	96		98		101		100		93	
200-2079-12 MS	19:01	92		95		97		95		91	
200-2079-13	19:08	99		105		103		102		94	
200-2079-14	19:16	107		112		110		109		98	
200-2079-15	19:24	108		111		111		109		100	
200-2081-1	19:31	98		100		104		100		93	
200-2081-2	19:39	100		103		104		101		95	
200-2081-3	19:46	91		93		115		94		92	

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15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICP-MS Instrument ID: METICPMS2 Start Date: 10/29/2010 End Date: 10/29/2010

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc-45	Q	Element Y-89	Q	Element In-115	Q	Element Tb-159	Q
200-2081-4	19:54	91		96		308	*	96		92	
200-2081-5	20:01	97		99		153	*	99		96	
CCV 200-8736/46	20:09	98		99		99		98		94	
CCB 200-8736/47	20:17	100		99		101		99		93	

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ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICP-MS Instrument ID: METICPMS2 Start Date: 10/29/2010 End Date: 10/29/2010

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi-209	Q	Element	Q	Element	Q	Element	Q	Element	Q
STD0 200-8736/2 IC	14:35	100									
STD1 200-8736/3 IC	14:43	101									
STD2 200-8736/4 IC	14:50	102									
STD3 200-8736/5 IC	14:58	101									
ICV 200-8736/6	15:06	103									
ICBIS 200-8736/7	15:13	104									
ICSA 200-8736/8	15:21	81									
ICSAB 200-8736/9	15:28	76									
CCV 200-8736/10	15:36	93									
CCB 200-8736/11	15:44	97									
MB 200-8516/1-A	15:51	105									
LCS 200-8516/2-A	15:59	108									
200-2079-1	16:06	104									
200-2079-2	16:14	101									
200-2079-3	16:22	98									
200-2079-4	16:29	99									
200-2079-4 SD	16:37	98									
200-2079-A-4-I PDS	16:44	102									
200-2079-4 DU	16:52	98									
200-2079-4 MS	16:59	99									
CCV 200-8736/22	17:07	98									
CCB 200-8736/23	17:15	98									
200-2079-5	17:22	101									
200-2079-6	17:30	102									
200-2079-7	17:37	100									
200-2079-8	17:45	96									
200-2079-9	17:53	92									
200-2079-10	18:00	90									
200-2079-11	18:08	86									
200-2079-12	18:15	87									
200-2079-12 SD	18:23	87									
200-2079-A-12-I PDS	18:30	87									
CCV1 200-8736/34	18:38	87									
CCB 200-8736/35	18:46	89									
200-2079-A-12-I PDS	18:53	91									
200-2079-12 MS	19:01	87									
200-2079-13	19:08	90									
200-2079-14	19:16	92									
200-2079-15	19:24	96									
200-2081-1	19:31	89									
200-2081-2	19:39	91									
200-2081-3	19:46	89									

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ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICP-MS Instrument ID: METICPMS2 Start Date: 10/29/2010 End Date: 10/29/2010

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi-209	Q	Element	Q	Element	Q	Element	Q	Element	Q
200-2081-4	19:54	92									
200-2081-5	20:01	93									
CCV 200-8736/46	20:09	90									
CCB 200-8736/47	20:17	94									

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ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICP-MS Instrument ID: METICPMS2 Start Date: 10/30/2010 End Date: 10/30/2010

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc-45	Q	Element Y-89	Q	Element In-115	Q	Element Tb-159	Q
STD0 200-8819/2 IC	13:18	100		100		100		100		100	
STD1 200-8819/3 IC	13:26	101		97		98		97		99	
STD2 200-8819/4 IC	13:34	102		96		96		96		99	
STD3 200-8819/5 IC	13:41	100		96		96		96		101	
ICV 200-8819/6	13:49	101		98		98		98		102	
ICBIS 200-8819/7	13:56	104		99		99		99		100	
ICSA 200-8819/8	14:04	90		89		89		90		93	
ICSAB 200-8819/9	14:12	84		97		95		93		97	
CCV 200-8819/10	14:19	91		113		111		109		107	
CCB 200-8819/11	14:27	94		113		110		109		107	
MB 200-8516/1-A	14:34	96		112		111		109		109	
LCS 200-8516/2-A	14:42	94		106		105		105		109	
200-2079-1	14:50	95		112		110		110		109	
200-2079-2	14:57	99		122	*	118		116		113	
200-2079-3	15:05	92		111		113		109		108	
200-2079-4	15:12	92		109		108		106		106	
200-2079-4 SD	15:20	95		111		108		108		106	
200-2079-A-4-I PDS	15:28	92		108		107		106		107	
200-2079-4 DU	15:35	91		108		108		106		105	
200-2079-4 MS	15:43	91		105		105		104		105	
CCV 200-8819/22	15:50	94		107		106		105		104	
CCB 200-8819/23	15:58	96		106		104		104		103	
200-2079-5	16:06	94		104		104		103		104	
200-2079-6	16:13	96		111		108		107		108	
200-2079-7	16:21	99		114		111		110		109	
200-2079-8	16:28	99		116		113		110		109	
200-2079-9	16:36	98		117		114		111		109	
200-2079-10	16:44	98		117		114		112		109	
200-2079-11	16:51	99		117		114		112		110	
200-2079-12	16:59	102		118		115		113		110	
200-2079-12 SD	17:06	107		120		116		115		109	
200-2079-A-12-I PDS	17:14	99		108		106		107		105	
CCV 200-8819/34	17:22	105		112		110		109		107	
CCB 200-8819/35	17:29	107		111		109		108		105	
200-2079-A-12-I PDS	17:37	105		109		107		106		106	
200-2079-12 MS	17:44	104		110		108		107		106	
200-2079-13	17:52	108		117		115		112		109	
200-2079-14	18:00	115		123	*	118		116		110	
200-2079-15	18:07	115		119		114		112		110	
200-2081-1	18:15	109		112		113		108		106	
200-2081-2	18:22	109		113		113		109		107	
200-2081-3	18:30	98		100		122	*	99		100	

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15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICP-MS Instrument ID: METICPMS2 Start Date: 10/30/2010 End Date: 10/30/2010

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc-45	Q	Element Y-89	Q	Element In-115	Q	Element Tb-159	Q
200-2081-4	18:38	97		102		341	*	101		102	
200-2081-5	18:45	100		106		160	*	103		104	
CCV 200-8819/46	18:53	102		105		104		103		102	
CCB 200-8819/47	19:00	105		106		105		104		102	
200-2079-3	19:08	117		89		83		82		80	
200-2081-4	19:16	129	*	86		101		81		78	
CCV 200-8819/50	19:23	121	*	92		93		93		96	
CCB 200-8819/51	19:31	120		92		94		94		95	

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ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICP-MS Instrument ID: METICPMS2 Start Date: 10/30/2010 End Date: 10/30/2010

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi-209	Q	Element	Q	Element	Q	Element	Q	Element	Q
STD0 200-8819/2 IC	13:18	100									
STD1 200-8819/3 IC	13:26	100									
STD2 200-8819/4 IC	13:34	100									
STD3 200-8819/5 IC	13:41	99									
ICV 200-8819/6	13:49	101									
ICBIS 200-8819/7	13:56	102									
ICSA 200-8819/8	14:04	88									
ICSAB 200-8819/9	14:12	88									
CCV 200-8819/10	14:19	104									
CCB 200-8819/11	14:27	105									
MB 200-8516/1-A	14:34	108									
LCS 200-8516/2-A	14:42	107									
200-2079-1	14:50	107									
200-2079-2	14:57	109									
200-2079-3	15:05	104									
200-2079-4	15:12	103									
200-2079-4 SD	15:20	104									
200-2079-A-4-I PDS	15:28	104									
200-2079-4 DU	15:35	102									
200-2079-4 MS	15:43	102									
CCV 200-8819/22	15:50	103									
CCB 200-8819/23	15:58	102									
200-2079-5	16:06	102									
200-2079-6	16:13	104									
200-2079-7	16:21	106									
200-2079-8	16:28	104									
200-2079-9	16:36	102									
200-2079-10	16:44	101									
200-2079-11	16:51	101									
200-2079-12	16:59	103									
200-2079-12 SD	17:06	103									
200-2079-A-12-I PDS	17:14	99									
CCV 200-8819/34	17:22	101									
CCB 200-8819/35	17:29	101									
200-2079-A-12-I PDS	17:37	100									
200-2079-12 MS	17:44	99									
200-2079-13	17:52	100									
200-2079-14	18:00	103									
200-2079-15	18:07	104									
200-2081-1	18:15	100									
200-2081-2	18:22	100									
200-2081-3	18:30	95									

FORM XV - IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICP-MS Instrument ID: METICPMS2 Start Date: 10/30/2010 End Date: 10/30/2010

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi-209	Q	Element	Q	Element	Q	Element	Q	Element	Q
200-2081-4	18:38	98									
200-2081-5	18:45	101									
CCV 200-8819/46	18:53	98									
CCB 200-8819/47	19:00	100									
200-2079-3	19:08	70									
200-2081-4	19:16	70									
CCV 200-8819/50	19:23	96									
CCB 200-8819/51	19:31	97									

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICP-MS Instrument ID: METICPMS2 Start Date: 11/03/2010 End Date: 11/03/2010

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc-45	Q	Element Y-89	Q	Element In-115	Q	Element Tb-159	Q
STD0 200-9011/2 IC	15:26	100		100		100		100		100	
STD1 200-9011/3 IC	15:33	100		101		101		100		101	
STD2 200-9011/4 IC	15:41	100		98		99		99		101	
STD3 200-9011/5 IC	15:49	98		95		96		98		105	
ICV 200-9011/6	15:56	98		93		94		96		101	
ICBIS 200-9011/7	16:04	98		91		93		92		96	
ICSA 200-9011/8	16:11	78		78		78		80		84	
ICSAB 200-9011/9	16:19	77		78		78		80		83	
CCV 200-9011/10	16:27	88		90		90		92		94	
CCB 200-9011/11	16:34	91		89		90		91		93	
MB 200-8516/1-A	16:42	93		91		93		94		98	
LCS 200-8516/2-A	16:49	92		91		93		96		103	
200-2079-1	16:57	90		88		90		91		97	
200-2079-2	17:05	93		92		94		95		99	
200-2079-3	17:12	87		87		91		90		94	
200-2079-4	17:20	88		85		88		88		93	
200-2079-4 SD	17:27	89		84		87		88		91	
200-2079-A-4-I PDS	17:35	89		87		90		91		96	
200-2079-4 DU	17:42	88		85		89		89		93	
200-2079-4 MS	17:50	88		86		89		91		95	
CCV 200-9011/22	17:58	90		86		87		89		92	
CCB 200-9011/23	18:05	91		83		86		88		90	
200-2079-5	18:13	88		84		87		88		94	
200-2079-6	18:20	90		84		88		89		93	
200-2079-7	18:28	91		86		88		91		93	
200-2079-8	18:36	90		85		87		88		93	
200-2079-9	18:43	88		82		84		86		90	
200-2079-10	18:51	88		81		84		86		90	
200-2079-11	18:58	88		80		83		85		90	
200-2079-12	19:06	89		80		83		85		89	
200-2079-12 SD	19:14	90		81		83		86		89	
200-2079-A-12-I PDS	19:21	87		77		80		84		88	
CCV 200-9011/34	19:29	89		79		80		84		88	
CCB 200-9011/35	19:36	90		78		80		82		86	
200-2079-A-12-I PDS	19:44	90		78		81		83		88	
200-2079-12 MS	19:52	87		78		80		83		88	
200-2079-13	19:59	89		78		79		82		86	
200-2079-14	20:07	93		80		84		86		90	
200-2079-15	20:14	94		81		84		87		92	
200-2081-1	20:22	88		75		82		82		87	
200-2081-2	20:29	90		78		82		83		88	
200-2081-3	20:37	86		77		98		82		88	

FORM XV - IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICP-MS Instrument ID: METICPMS2 Start Date: 11/03/2010 End Date: 11/03/2010

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc-45	Q	Element Y-89	Q	Element In-115	Q	Element Tb-159	Q
200-2081-4	20:45	85		77		294	*	82		87	
200-2081-5	20:52	87		79		130	*	83		90	
CCV 200-9011/46	21:00	89		78		80		83		88	
CCB 200-9011/47	21:07	89		76		80		81		86	
200-2081-4	21:15	87		62		138	*	62		62	
200-2081-5	21:23	90		73		100		79		86	
CCV 200-9011/54	22:01	86		72		76		78		84	
CCB 200-9011/55	22:08	87		70		75		78		83	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICP-MS Instrument ID: METICPMS2 Start Date: 11/03/2010 End Date: 11/03/2010

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi-209	Q	Element	Q	Element	Q	Element	Q	Element	Q
STD0 200-9011/2 IC	15:26	100									
STD1 200-9011/3 IC	15:33	101									
STD2 200-9011/4 IC	15:41	101									
STD3 200-9011/5 IC	15:49	104									
ICV 200-9011/6	15:56	101									
ICBIS 200-9011/7	16:04	98									
ICSA 200-9011/8	16:11	80									
ICSAB 200-9011/9	16:19	77									
CCV 200-9011/10	16:27	92									
CCB 200-9011/11	16:34	94									
MB 200-8516/1-A	16:42	98									
LCS 200-8516/2-A	16:49	101									
200-2079-1	16:57	96									
200-2079-2	17:05	98									
200-2079-3	17:12	94									
200-2079-4	17:20	93									
200-2079-4 SD	17:27	93									
200-2079-A-4-I PDS	17:35	95									
200-2079-4 DU	17:42	94									
200-2079-4 MS	17:50	95									
CCV 200-9011/22	17:58	93									
CCB 200-9011/23	18:05	93									
200-2079-5	18:13	94									
200-2079-6	18:20	94									
200-2079-7	18:28	93									
200-2079-8	18:36	91									
200-2079-9	18:43	88									
200-2079-10	18:51	90									
200-2079-11	18:58	88									
200-2079-12	19:06	89									
200-2079-12 SD	19:14	90									
200-2079-A-12-I PDS	19:21	87									
CCV 200-9011/34	19:29	87									
CCB 200-9011/35	19:36	88									
200-2079-A-12-I PDS	19:44	88									
200-2079-12 MS	19:52	87									
200-2079-13	19:59	86									
200-2079-14	20:07	91									
200-2079-15	20:14	93									
200-2081-1	20:22	86									
200-2081-2	20:29	88									
200-2081-3	20:37	85									

FORM XV - IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

ICP-MS Instrument ID: METICPMS2 Start Date: 11/03/2010 End Date: 11/03/2010

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi-209	Q	Element	Q	Element	Q	Element	Q	Element	Q
200-2081-4	20:45	87									
200-2081-5	20:52	89									
CCV 200-9011/46	21:00	90									
CCB 200-9011/47	21:07	88									
200-2081-4	21:15	60									
200-2081-5	21:23	86									
CCV 200-9011/54	22:01	88									
CCB 200-9011/55	22:08	87									

Experiment Details

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Elemental\PlasmaLab\TEMPLATES\6020.tet
Created By User	user
Analyte Database	Default.tea
Creation Timestamp	08/29/2003 01:55:15 PM
Last Edited By	INORG-USER
Last Edit Timestamp	10/29/2010 02:32:05 PM
Instrument Detector	Simultaneous
Database Version	3.51
Acquisition Mode	Unknown

Numerical Results report key (text indicates meaning)

Blue text indicates that cell is a statistic.
Underlining indicates that a data warning flag is set.

Column headings

No flag
Semi Quant
Standard Addition
Multi Element

Result cells

Internal Standard
Excluded
QC Warning
QC Failure
Transient TRA only:
Peak Not Found
Manually Edited
Merged Peak

Data warning flags
I - Invalid calibration
T - Tripped
F - Interference correction failed
M - Result over max
V - Valley integration failed
D - Different method used

Setup

Survey Scan Setup

Sweeps	10
Dwell Time	600
Channels Per Mass	10
Acquisition Duration	13247

Main Run Setup

Main Run	Peak Jumping
Sweeps	50
Dwell Time	10000
Channels Per Mass	1
Acquisition Duration	59702
Channel Spacing	0.02

Survey Scan Regions

Start AMU	End AMU	Channels	Dwell ms	Resolution
4.59	11.41	68	600	Standard
22.59	27.41	48	600	Standard
28.59	29.41	8	600	Standard
30.59	31.41	8	600	Standard
32.59	33.41	8	600	Standard
38.59	39.41	8	600	Standard
42.59	79.41	368	600	Standard
80.59	245.50	1649	600	Standard

Peak Jump Regions

Analyte	Channels	Dwell ms	Resolution
6Li	1	5000	Standard
7Li	1	5000	Standard
9Be	1	20000	Standard
11B	1	10000	Standard
23Na	1	5000	Standard

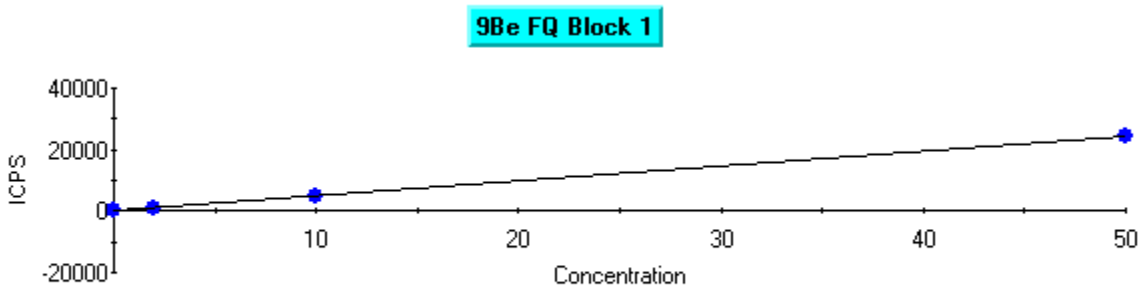
24Mg	1	10000	Standard
25Mg	1	5000	Standard
26Mg	1	5000	Standard
27Al	1	10000	Standard
31P	1	10000	Standard
33S	1	10000	Standard
39K	1	5000	Standard
43Ca	1	10000	Standard
44Ca	1	5000	Standard
45Sc	1	5000	Standard
47Ti	1	10000	Standard
51V	1	10000	Standard
52Cr	1	10000	Standard
53Cl O	1	10000	Standard
54Fe	1	10000	Standard
55Mn	1	10000	Standard
56Fe	1	10000	Standard
59Co	1	10000	Standard
60Ni	1	10000	Standard
62Ni	1	10000	Standard
65Cu	1	10000	Standard
66Zn	1	10000	Standard
67Zn	1	10000	Standard
68Zn	1	10000	Standard
75As	1	50000	Standard
77Ar Cl	1	50000	Standard
78Se	1	100000	Standard
82Se	1	100000	Standard
83Kr	1	100000	Standard
89Y	1	5000	Standard
95Mo	1	10000	Standard
98Mo	1	10000	Standard
106Cd	1	10000	Standard
107Ag	1	10000	Standard
108Mo O	1	10000	Standard
109Ag	1	10000	Standard
111Cd	1	10000	Standard
114Cd	1	10000	Standard
115In	1	5000	Standard
118Sn	1	10000	Standard
121Sb	1	100000	Standard
123Sb	1	100000	Standard
135Ba	1	10000	Standard
137Ba	1	10000	Standard
159Tb	1	5000	Standard
182W	1	10000	Standard
184W	1	10000	Standard
203Tl	1	10000	Standard
205Tl	1	10000	Standard
206Pb	1	10000	Standard
207Pb	1	10000	Standard
208Pb	1	10000	Standard
209Bi	1	5000	Standard
220Bkg	1	10000	Standard
232Th	1	10000	Standard
238U	1	10000	Standard

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	STD0	Fully Quant Standard	1.000	0	1	2	155
2	STD1	Fully Quant Standard	1.000	0	1	3	155
3	STD2	Fully Quant Standard	1.000	0	1	4	155
4	STD3	Fully Quant Standard	1.000	0	1	5	155
5	ICV	QC Sample	1.000	0	1	6	155
6	ICB	QC Sample	1.000	0	1	2	155
7	ICSA	QC Sample	1.000	0	1	7	155
8	ICSAB	QC Sample	1.000	0	1	8	155
9	CCV	QC Sample	1.000	0	1	4	155
10	CCB	QC Sample	1.000	0	1	2	155

11	MB 200-8516/1-A	Unknown	1.000	1	1	1	155
12	LCS 200-8516/2-A	Unknown	1.000	1	1	2	155
13	200-2079-A-1-C	Unknown	1.000	1	1	3	155
14	200-2079-A-2-C	Unknown	1.000	1	1	4	155
15	200-2079-A-3-C	Unknown	1.000	1	1	5	155
16	200-2079-A-4-I	Unknown	1.000	1	1	6	155
17	200-2079-A-4-ISD@5	Unknown	1.000	1	1	7	155
18	200-2079-A-4-IPDS	Unknown	1.000	1	1	8	155
19	200-2079-A-4-J DU	Unknown	1.000	1	1	9	155
20	200-2079-A-4-K MS	Unknown	1.000	1	1	10	155
21	CCV	QC Sample	1.000	0	1	4	155
22	CCB	QC Sample	1.000	0	1	2	155
23	200-2079-A-5-C	Unknown	1.000	1	1	11	155
24	200-2079-A-6-C	Unknown	1.000	1	1	12	155
25	200-2079-A-7-C	Unknown	1.000	1	2	1	155
26	200-2079-A-8-C	Unknown	1.000	1	2	2	155
27	200-2079-A-9-C	Unknown	1.000	1	2	3	155
28	200-2079-A-10-C	Unknown	1.000	1	2	4	155
29	200-2079-A-11-C	Unknown	1.000	1	2	5	155
30	200-2079-A-12-I	Unknown	1.000	1	2	6	155
31	200-2079-A-12-ISD@5	Unknown	1.000	1	2	7	155
32	200-2079-A-12-IPDS	Unknown	1.000	1	2	8	155
33	CCV1	QC Sample	1.000	0	1	4	155
34	CCB 1	QC Sample	1.000	0	1	2	155
35	200-2079-A-12-J D	Unknown	1.000	1	2	9	155
36	200-2079-A-12-K MS	Unknown	1.000	1	2	10	155
37	200-2079-A-13-C	Unknown	1.000	1	2	11	155
38	200-2079-A-14-C	Unknown	1.000	1	2	12	155
39	200-2079-A-15-C	Unknown	1.000	1	3	1	155
40	200-2081-A-1-C	Unknown	1.000	1	3	2	155
41	200-2081-A-2-C	Unknown	1.000	1	3	3	155
42	200-2081-A-3-C	Unknown	1.000	1	3	4	155
43	200-2081-A-4-C	Unknown	1.000	1	3	5	155
44	200-2081-A-5-C	Unknown	1.000	1	3	6	155
45	CCV	QC Sample	1.000	0	1	4	155
46	CCB	QC Sample	1.000	0	1	2	155

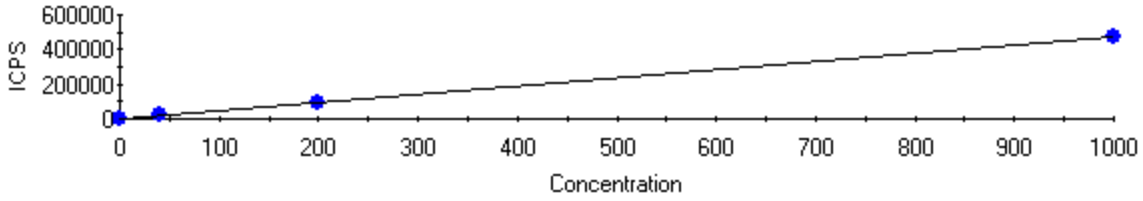
Fully Quant Calibration



Intercept CPS=-23.326062 Intercept Conc=-0.048170
Sensitivity=484.246047 Correlation Coeff=0.999996

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.076	0.076	13.67	0.00
STD1	2.000	1.991	0.009	940.88	0.44
STD2	10.000	9.915	0.085	4778.04	0.85
STD3	50.000	50.017	0.017	24197.37	0.03

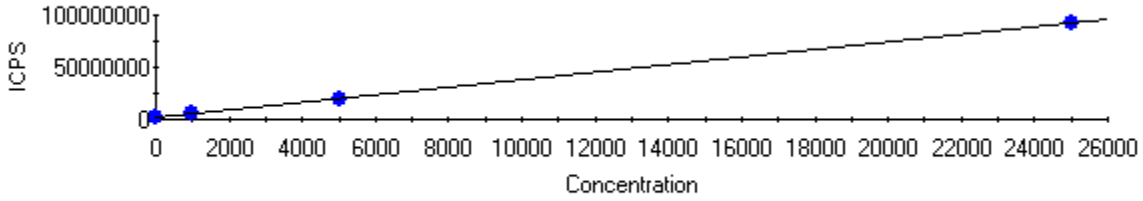
11B FQ Block 1



Intercept CPS=1911.833428 Intercept Conc=4.097738
Sensitivity=466.558194 Correlation Coeff=0.999977

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	3.357	3.357	3478.03	0.00
STD1	40.000	40.002	0.002	20575.25	0.01
STD2	200.000	195.801	4.199	93264.42	2.10
STD3	1000.000	1000.840	0.840	468861.79	0.08

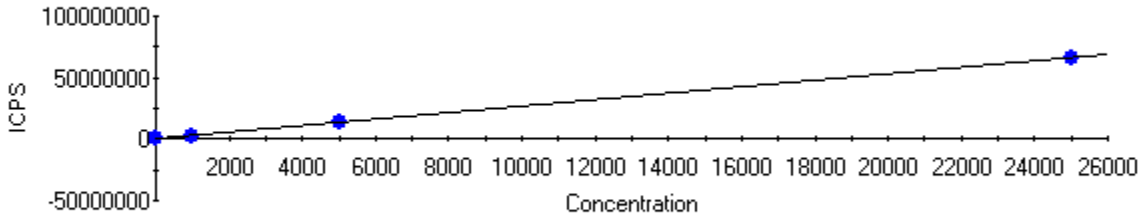
23Na FQ Block 1



Intercept CPS=2100010.415941 Intercept Conc=586.108680
Sensitivity=3582.971020 Correlation Coeff=0.999972

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	108.045	108.045	2487133.69	0.00
STD1	1000.000	969.529	30.471	5573806.32	3.05
STD2	5000.000	4901.508	98.492	19661971.56	1.97
STD3	25000.000	25020.917	20.917	91749231.71	0.08

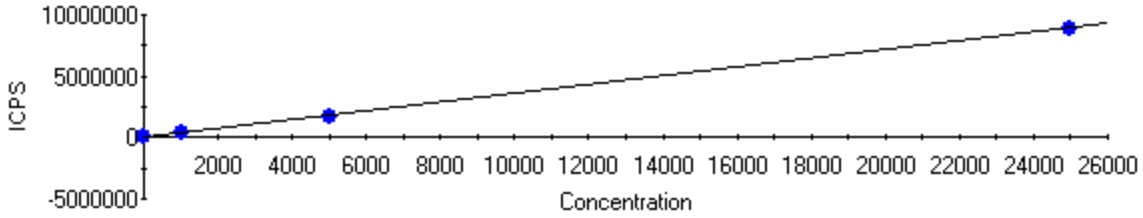
24Mg FQ Block 1



Intercept CPS=-110809.599925 Intercept Conc=-41.750348
Sensitivity=2654.100000 Correlation Coeff=0.999992

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	48.341	48.341	17491.40	0.00
STD1	1000.000	1003.314	3.314	2552086.53	0.33
STD2	5000.000	4935.597	64.403	12988758.79	1.29
STD3	25000.000	25012.748	12.748	66275524.87	0.05

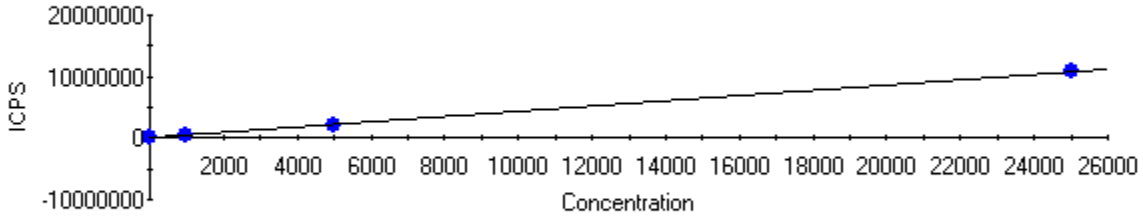
25Mg FQ Block 1



Intercept CPS=-2438.666236 Intercept Conc=-6.832121
Sensitivity=356.941293 Correlation Coeff=0.999981

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	13.237	13.237	2286.25	0.00
STD1	1000.000	1069.605	69.605	379347.39	6.96
STD2	5000.000	4899.928	100.072	1746547.94	2.00
STD3	25000.000	25017.230	17.230	8927243.85	0.07

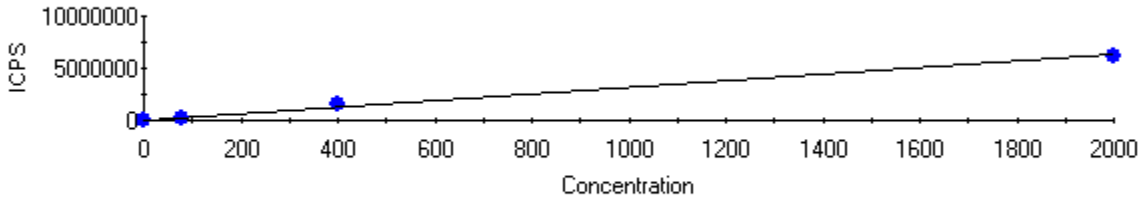
26Mg FQ Block 1



Intercept CPS=-10167.539775 Intercept Conc=-23.713799
Sensitivity=428.760486 Correlation Coeff=0.999966

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	30.082	30.082	2730.34	0.00
STD1	1000.000	1084.786	84.786	454945.77	8.48
STD2	5000.000	4860.655	139.345	2073889.15	2.79
STD3	25000.000	25024.478	24.478	10719339.65	0.10

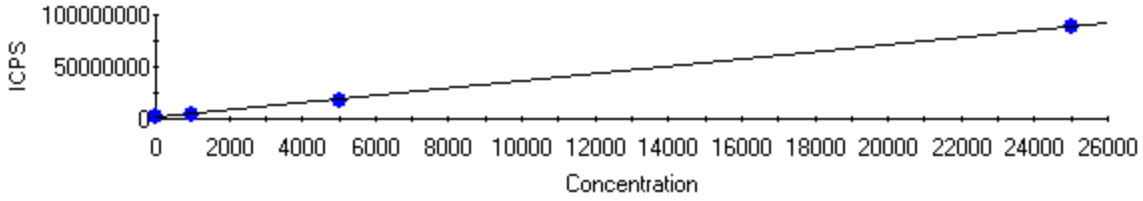
27Al FQ Block 1



Intercept CPS=83481.926012 Intercept Conc=27.029009
Sensitivity=3088.604717 Correlation Coeff=0.999408

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-21.304	21.304	17683.81	0.00
STD1	80.000	62.443	17.557	276342.81	21.95
STD2	400.000	447.698	47.698	1466244.45	11.92
STD3	2000.000	1991.163	8.837	6233396.33	0.44

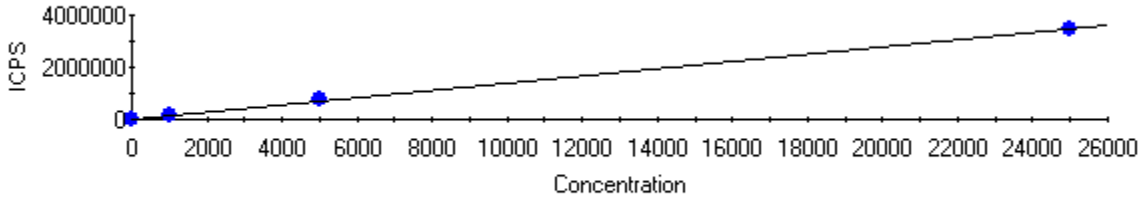
39K FQ Block 1



Intercept CPS=1075132.729769 Intercept Conc=306.962984
Sensitivity=3502.483315 Correlation Coeff=0.999973

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	100.883	100.883	1428473.15	0.00
STD1	1000.000	983.221	16.779	4518846.41	1.68
STD2	5000.000	4894.032	105.968	18216397.34	2.12
STD3	25000.000	25021.865	21.865	88713796.79	0.09

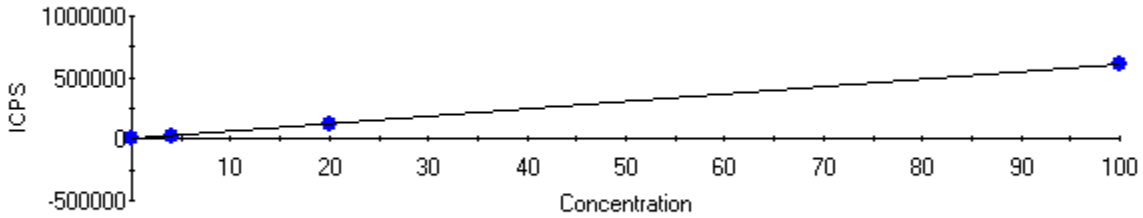
44Ca FQ Block 1



Intercept CPS=32522.661579 Intercept Conc=237.655142
Sensitivity=136.848129 Correlation Coeff=0.999679

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-205.116	205.116	4452.91	0.00
STD1	1000.000	848.598	151.402	148651.75	15.14
STD2	5000.000	5438.077	438.077	776713.34	8.76
STD3	25000.000	24918.441	81.559	3442564.65	0.33

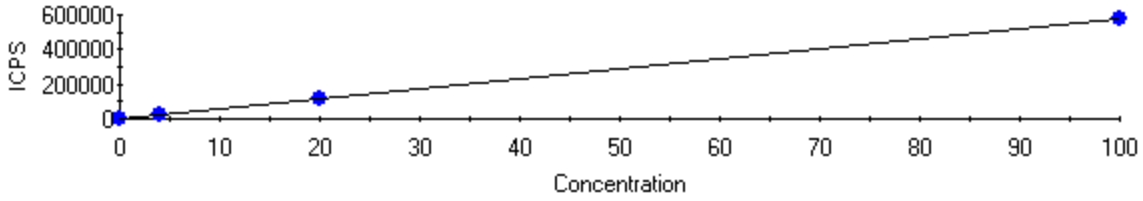
51V FQ Block 1



Intercept CPS=-1361.500400 Intercept Conc=-0.224561
Sensitivity=6062.945847 Correlation Coeff=0.999990

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.236	0.236	70.93	0.00
STD1	4.000	3.975	0.025	22737.57	0.63
STD2	20.000	19.735	0.265	118290.14	1.33
STD3	100.000	100.054	0.054	605260.65	0.05

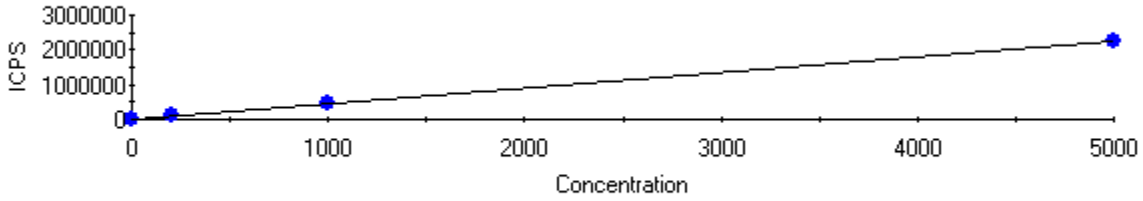
52Cr FQ Block 1



Intercept CPS=800.571559 Intercept Conc=0.140328
Sensitivity=5705.013883 Correlation Coeff=0.999986

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.255	0.255	2257.64	0.00
STD1	4.000	4.012	0.012	23691.26	0.31
STD2	20.000	19.666	0.334	112994.75	1.67
STD3	100.000	100.066	0.066	571680.35	0.07

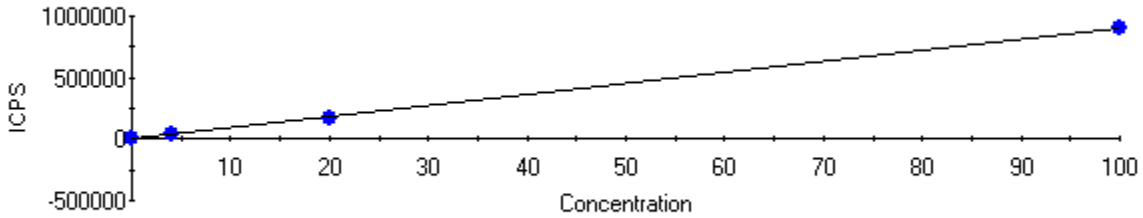
54Fe FQ Block 1



Intercept CPS=5239.036537 Intercept Conc=11.652970
Sensitivity=449.588099 Correlation Coeff=0.999971

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	19.683	19.683	14088.23	0.00
STD1	200.000	198.968	1.032	94692.63	0.52
STD2	1000.000	976.635	23.365	444322.48	2.34
STD3	5000.000	5004.714	4.714	2255299.02	0.09

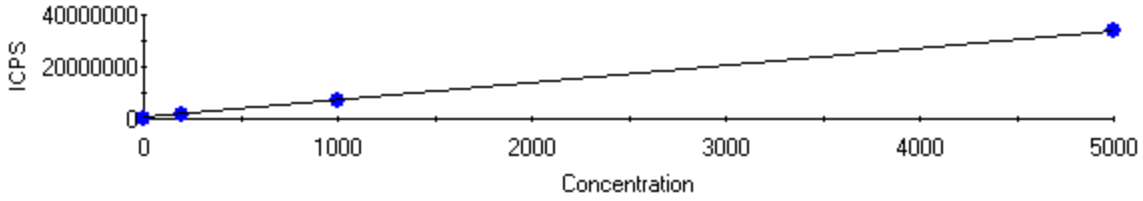
55Mn FQ Block 1



Intercept CPS=-1593.055941 Intercept Conc=-0.177052
Sensitivity=8997.657004 Correlation Coeff=0.999980

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.297	0.297	1074.84	0.00
STD1	4.000	4.033	0.033	34691.78	0.82
STD2	20.000	19.590	0.410	174672.17	2.05
STD3	100.000	100.081	0.081	898898.46	0.08

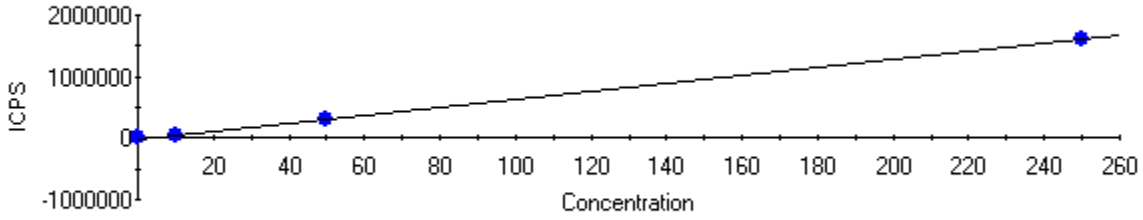
56Fe FQ Block 1



Intercept CPS=427122.595383 Intercept Conc=63.258478
Sensitivity=6752.021389 Correlation Coeff=0.999992

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-12.491	12.491	342784.87	0.00
STD1	200.000	205.842	5.842	1816975.13	2.92
STD2	1000.000	1008.602	8.602	7237228.23	0.86
STD3	5000.000	4998.046	1.954	34174034.76	0.04

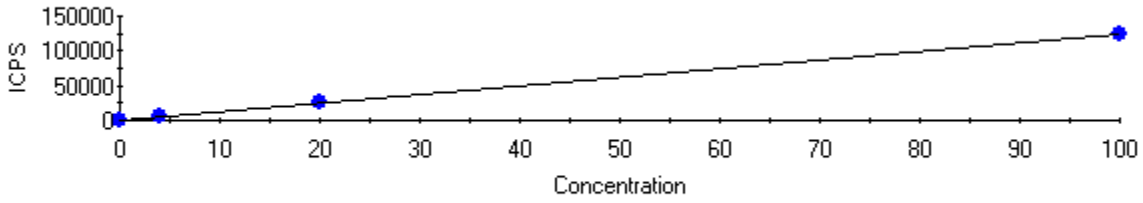
59Co FQ Block 1



Intercept CPS=-7059.426780 Intercept Conc=-1.093714
Sensitivity=6454.545010 Correlation Coeff=0.999950

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	1.117	1.117	149.98	0.00
STD1	10.000	10.204	0.204	58801.66	2.04
STD2	50.000	48.359	1.641	305077.31	3.28
STD3	250.000	250.320	0.320	1608642.30	0.13

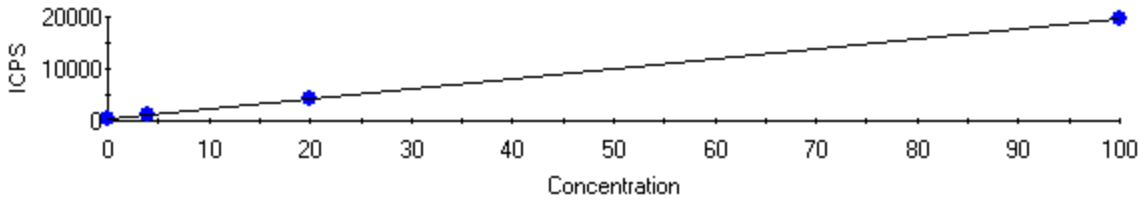
60Ni FQ Block 1



Intercept CPS=277.191184 Intercept Conc=0.222688
Sensitivity=1244.751704 Correlation Coeff=0.999997

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.032	0.032	316.89	0.00
STD1	4.000	3.852	0.148	5072.49	3.69
STD2	20.000	20.137	0.137	25343.04	0.69
STD3	100.000	99.978	0.022	124725.55	0.02

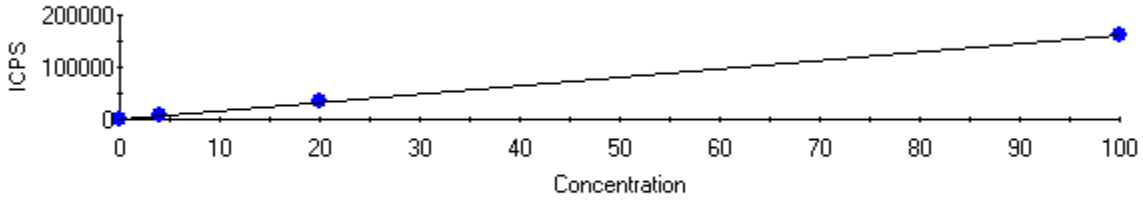
62Ni FQ Block 1



Intercept CPS=367.423267 Intercept Conc=1.898215
Sensitivity=193.562473 Correlation Coeff=0.999999

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.097	0.097	386.11	0.00
STD1	4.000	3.928	0.072	1127.78	1.79
STD2	20.000	19.965	0.035	4231.98	0.17
STD3	100.000	100.010	0.010	19725.56	0.01

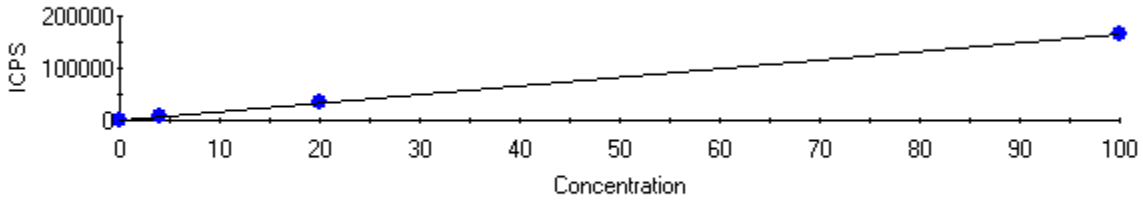
65Cu FQ Block 1



Intercept CPS=813.308545 Intercept Conc=0.506189
Sensitivity=1606.728309 Correlation Coeff=0.999999

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.029	0.029	766.13	0.00
STD1	4.000	3.937	0.063	7139.08	1.57
STD2	20.000	20.112	0.112	33128.23	0.56
STD3	100.000	99.980	0.020	161454.12	0.02

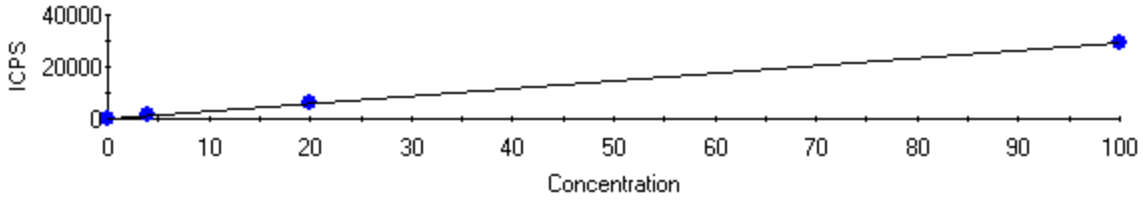
66Zn FQ Block 1



Intercept CPS=751.048539 Intercept Conc=0.456888
Sensitivity=1643.835176 Correlation Coeff=0.999994

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.194	0.194	431.61	0.00
STD1	4.000	4.188	0.188	7635.85	4.71
STD2	20.000	20.017	0.017	33655.70	0.09
STD3	100.000	99.989	0.011	165116.60	0.01

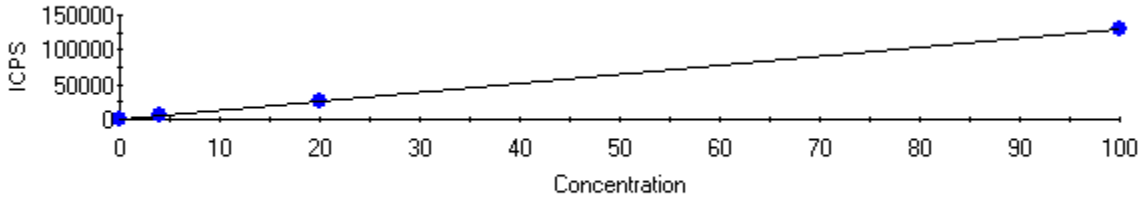
67Zn FQ Block 1



Intercept CPS=107.478293 Intercept Conc=0.365435
Sensitivity=294.110448 Correlation Coeff=1.000000

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.028	0.028	99.34	0.00
STD1	4.000	4.022	0.022	1290.47	0.56
STD2	20.000	20.008	0.008	5992.00	0.04
STD3	100.000	99.998	0.002	29517.80	0.00

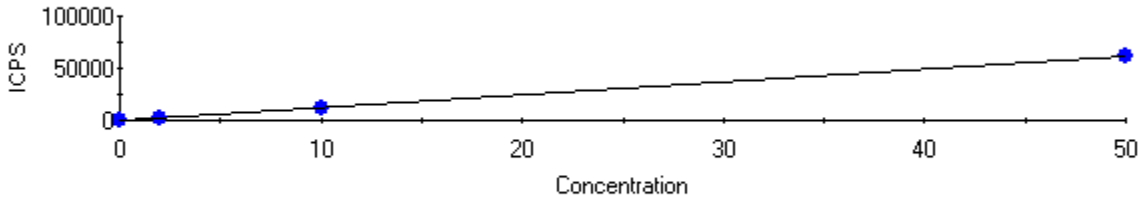
68Zn FQ Block 1



Intercept CPS=476.991164 Intercept Conc=0.366058
Sensitivity=1303.047277 Correlation Coeff=0.999997

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.144	0.144	289.32	0.00
STD1	4.000	4.040	0.040	5741.39	1.00
STD2	20.000	20.132	0.132	26709.87	0.66
STD3	100.000	99.972	0.028	130745.24	0.03

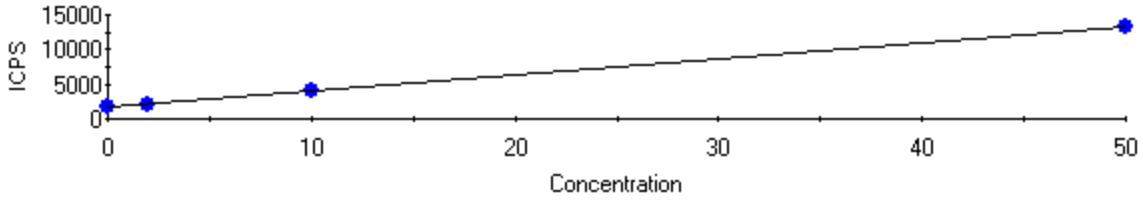
75As FQ Block 1



Intercept CPS=115.012090 Intercept Conc=0.094544
Sensitivity=1216.488342 Correlation Coeff=0.999993

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.116	0.116	255.60	0.00
STD1	2.000	1.935	0.065	2468.59	3.26
STD2	10.000	9.934	0.066	12199.43	0.66
STD3	50.000	50.016	0.016	60958.70	0.03

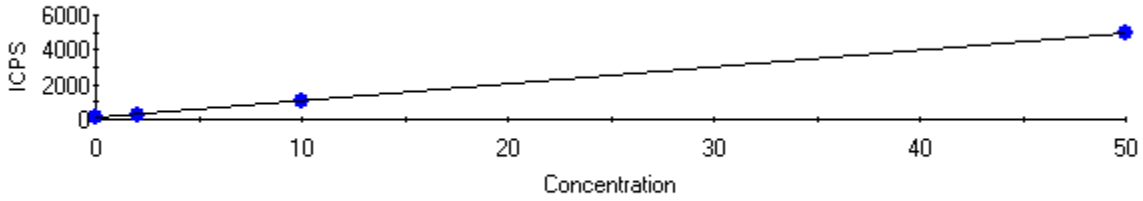
78Se FQ Block 1



Intercept CPS=1657.139545 Intercept Conc=7.137673
Sensitivity=232.168055 Correlation Coeff=0.999981

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.194	0.194	1702.07	0.00
STD1	2.000	1.896	0.104	2097.22	5.22
STD2	10.000	9.883	0.117	3951.76	1.17
STD3	50.000	50.027	0.027	13271.92	0.05

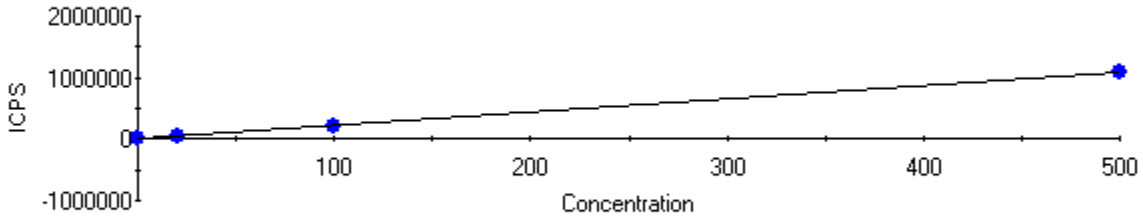
82Se FQ Block 1



Intercept CPS=94.458329 Intercept Conc=0.963560
Sensitivity=98.030579 Correlation Coeff=0.999985

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.158	0.158	109.93	0.00
STD1	2.000	1.844	0.156	275.26	7.78
STD2	10.000	9.989	0.011	1073.73	0.11
STD3	50.000	50.008	0.008	4996.80	0.02

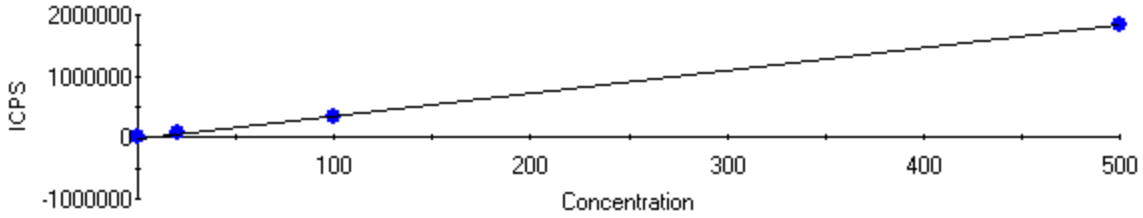
95Mo FQ Block 1



Intercept CPS=-3990.667234 Intercept Conc=-1.841489
Sensitivity=2167.087386 Correlation Coeff=0.999960

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	2.245	2.245	874.49	0.00
STD1	20.000	19.987	0.013	39322.62	0.07
STD2	100.000	97.209	2.791	206670.77	2.79
STD3	500.000	500.559	0.559	1080763.62	0.11

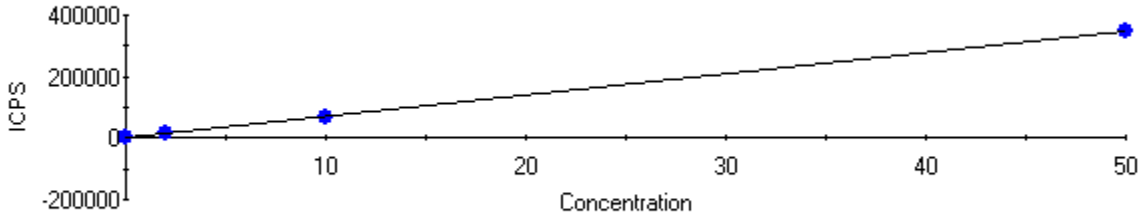
98Mo FQ Block 1



Intercept CPS=-8105.040480 Intercept Conc=-2.215393
Sensitivity=3658.510895 Correlation Coeff=0.999946

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	2.590	2.590	1372.04	0.00
STD1	20.000	20.031	0.031	65179.83	0.16
STD2	100.000	96.724	3.276	345762.12	3.28
STD3	500.000	500.654	0.654	1823542.61	0.13

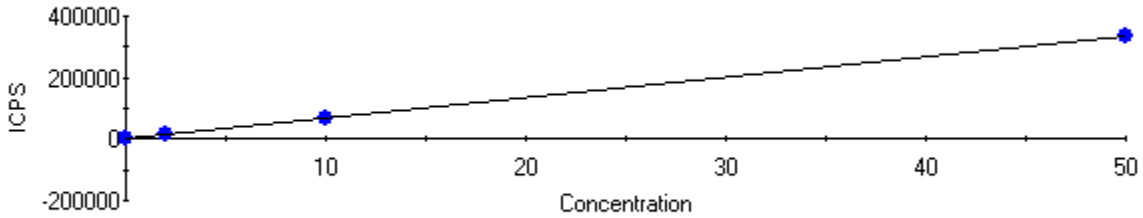
107Ag FQ Block 1



Intercept CPS=-671.752083 Intercept Conc=-0.096916
Sensitivity=6931.316024 Correlation Coeff=0.999995

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.102	0.102	34.01	0.00
STD1	2.000	1.944	0.056	12804.75	2.79
STD2	10.000	9.940	0.060	68222.57	0.60
STD3	50.000	50.014	0.014	345993.26	0.03

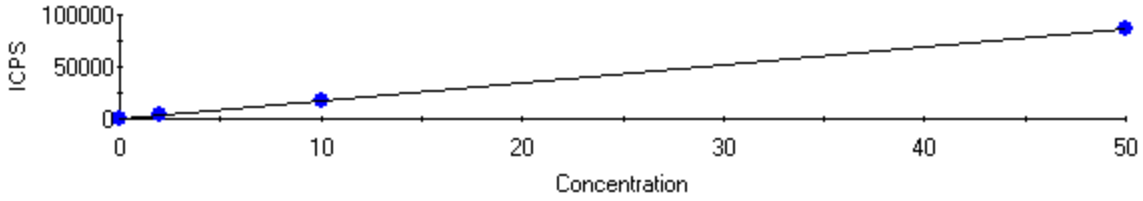
109Ag FQ Block 1



Intercept CPS=-508.536534 Intercept Conc=-0.075926
Sensitivity=6697.758483 Correlation Coeff=0.999997

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.080	0.080	28.02	0.00
STD1	2.000	1.949	0.051	12542.58	2.57
STD2	10.000	9.962	0.038	66211.64	0.38
STD3	50.000	50.010	0.010	334444.64	0.02

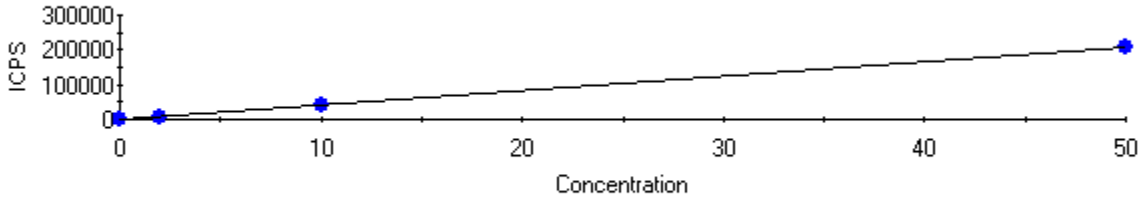
111Cd FQ Block 1



Intercept CPS=278.281953 Intercept Conc=0.162319
Sensitivity=1714.413803 Correlation Coeff=0.999998

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.043	0.043	352.16	0.00
STD1	2.000	1.939	0.061	3603.37	3.03
STD2	10.000	10.019	0.019	17454.56	0.19
STD3	50.000	49.999	0.001	85996.69	0.00

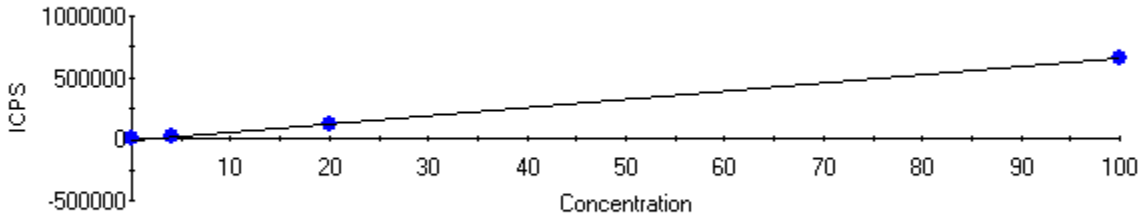
114Cd FQ Block 1



Intercept CPS=552.356141 Intercept Conc=0.133765
Sensitivity=4129.291396 Correlation Coeff=0.999993

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.009	0.009	589.55	0.00
STD1	2.000	1.899	0.101	8395.91	5.03
STD2	10.000	10.109	0.109	42296.80	1.09
STD3	50.000	49.982	0.018	206943.22	0.04

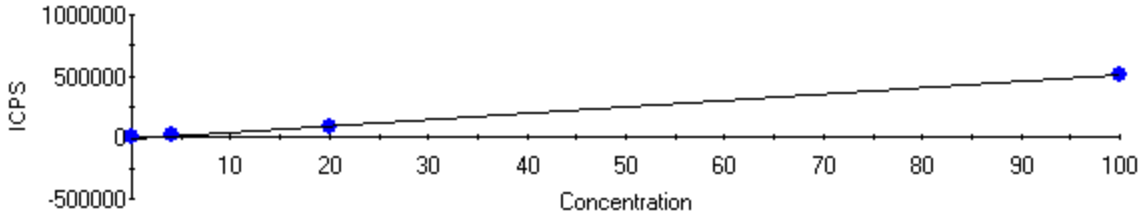
121Sb FQ Block 1



Intercept CPS=-6069.295866 Intercept Conc=-0.914982
Sensitivity=6633.240440 Correlation Coeff=0.999824

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.974	0.974	394.55	0.00
STD1	4.000	3.940	0.060	20064.58	1.50
STD2	20.000	18.854	1.146	118994.61	5.73
STD3	100.000	100.232	0.232	658790.89	0.23

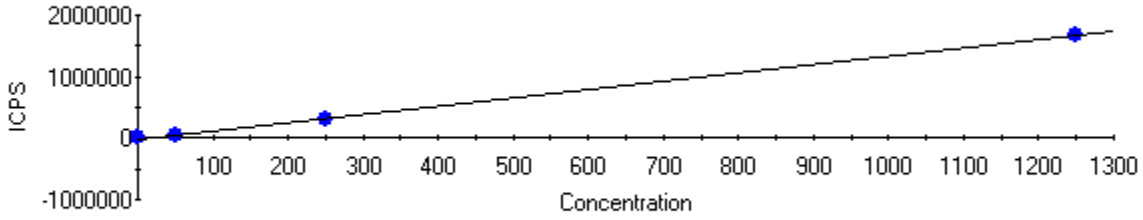
123Sb FQ Block 1



Intercept CPS=-4545.492600 Intercept Conc=-0.879456
Sensitivity=5168.526265 Correlation Coeff=0.999840

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.940	0.940	312.20	0.00
STD1	4.000	3.920	0.080	15715.04	2.00
STD2	20.000	18.921	1.079	93249.21	5.39
STD3	100.000	100.219	0.219	513438.84	0.22

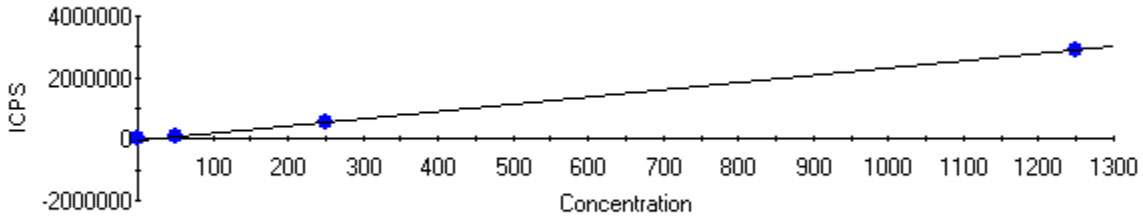
135Ba FQ Block 1



Intercept CPS=-10258.890359 Intercept Conc=-7.564197
Sensitivity=1356.243096 Correlation Coeff=0.999904

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	7.677	7.677	152.61	0.00
STD1	50.000	51.568	1.568	59679.52	3.14
STD2	250.000	238.523	11.477	313236.01	4.59
STD3	1250.000	1252.233	2.233	1688073.10	0.18

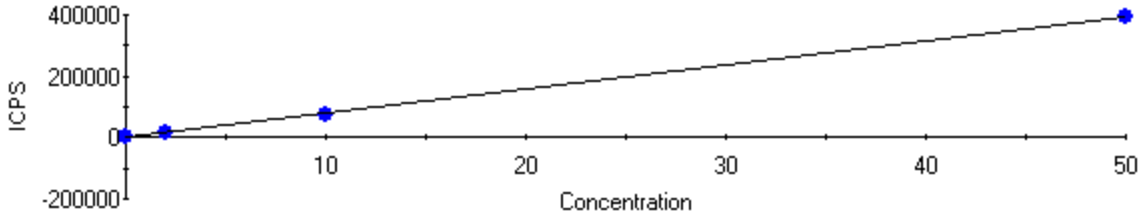
137Ba FQ Block 1



Intercept CPS=-11153.563963 Intercept Conc=-4.776720
Sensitivity=2334.983614 Correlation Coeff=0.999971

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	4.903	4.903	295.83	0.00
STD1	50.000	49.776	0.224	105073.60	0.45
STD2	250.000	244.139	5.861	558907.02	2.34
STD3	1250.000	1251.181	1.181	2910333.90	0.09

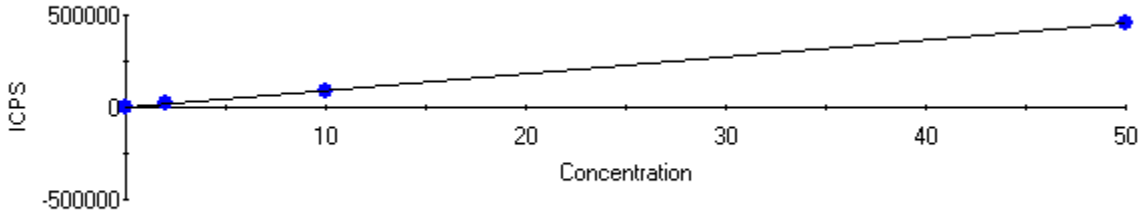
182W FQ Block 1



Intercept CPS=-533.387285 Intercept Conc=-0.068132
Sensitivity=7828.764975 Correlation Coeff=0.999978

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.180	0.180	871.90	0.00
STD1	2.000	1.975	0.025	14927.72	1.25
STD2	10.000	9.806	0.194	76233.36	1.94
STD3	50.000	50.040	0.040	391216.90	0.08

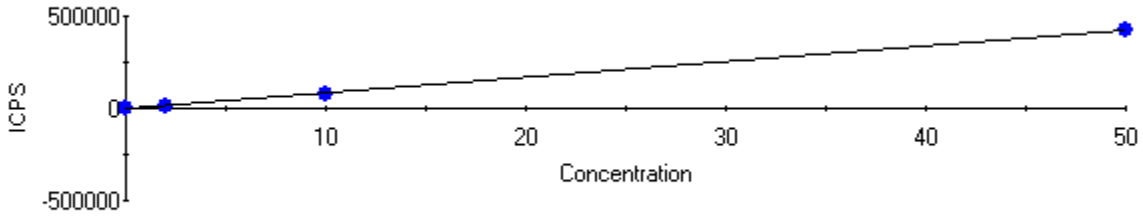
184W FQ Block 1



Intercept CPS=-445.458087 Intercept Conc=-0.048762
Sensitivity=9135.404247 Correlation Coeff=0.999984

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.161	0.161	1022.65	0.00
STD1	2.000	1.962	0.038	17478.02	1.90
STD2	10.000	9.845	0.155	89490.25	1.55
STD3	50.000	50.033	0.033	456622.31	0.07

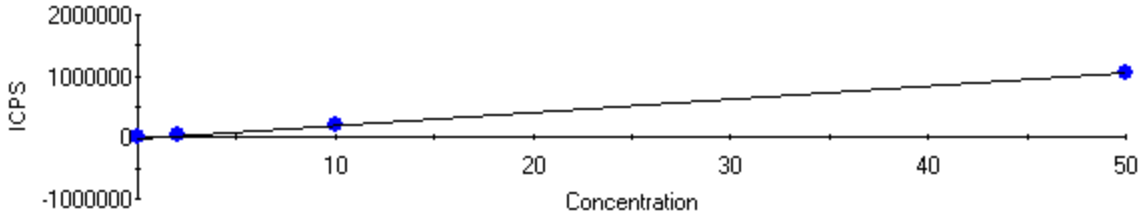
203Tl FQ Block 1



Intercept CPS=-2136.248306 Intercept Conc=-0.248752
Sensitivity=8587.850654 Correlation Coeff=0.999925

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.257	0.257	68.78	0.00
STD1	2.000	2.076	0.076	15688.11	3.78
STD2	10.000	9.588	0.412	80207.58	4.12
STD3	50.000	50.079	0.079	427937.27	0.16

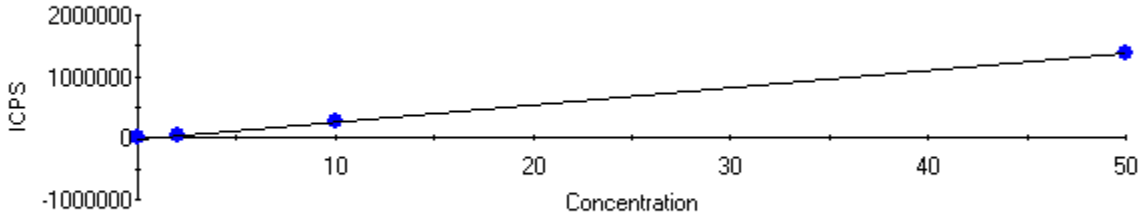
205Tl FQ Block 1



Intercept CPS=-7382.032835 Intercept Conc=-0.343397
Sensitivity=21497.104459 Correlation Coeff=0.999859

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.350	0.350	137.52	0.00
STD1	2.000	2.105	0.105	37863.48	5.24
STD2	10.000	9.437	0.563	195488.00	5.63
STD3	50.000	50.108	0.108	1069803.34	0.22

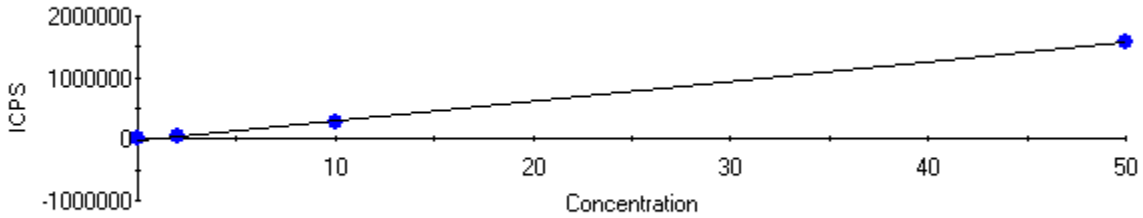
208Pb FQ Block 1



Intercept CPS=-5625.791372 Intercept Conc=-0.203332
Sensitivity=27668.045704 Correlation Coeff=0.999949

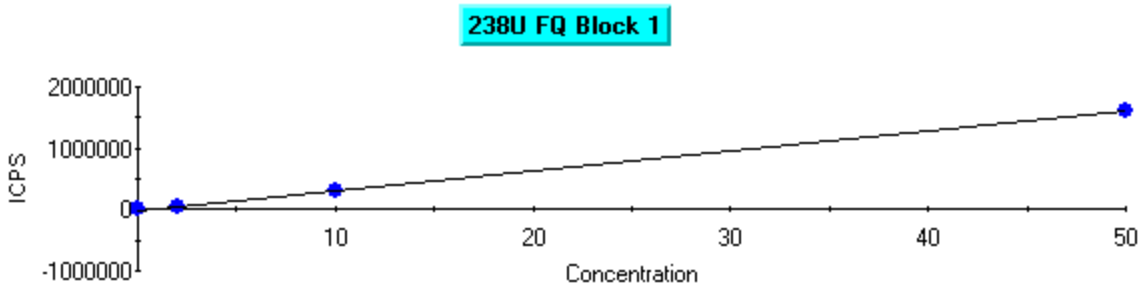
Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.222	0.222	513.64	0.00
STD1	2.000	2.049	0.049	51062.26	2.44
STD2	10.000	9.664	0.336	261758.03	3.36
STD3	50.000	50.065	0.065	1379581.74	0.13

232Th FQ Block 1



Intercept CPS=-19582.440824 Intercept Conc=-0.616594
Sensitivity=31759.040828 Correlation Coeff=0.999646

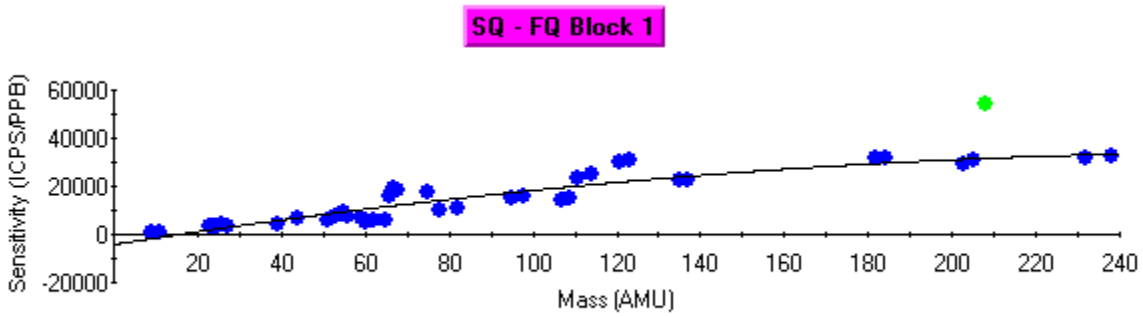
Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.624	0.624	224.08	0.00
STD1	2.000	2.068	0.068	46099.91	3.41
STD2	10.000	9.139	0.861	270652.70	8.61
STD3	50.000	50.170	0.170	1573754.08	0.34



Intercept CPS=-12797.769841 Intercept Conc=-0.392063
Sensitivity=32642.113478 Correlation Coeff=0.999824

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.395	0.395	98.75	0.00
STD1	2.000	2.112	0.112	56145.89	5.61
STD2	10.000	9.372	0.628	293111.40	6.28
STD3	50.000	50.121	0.121	1623263.92	0.24

Semi Quant Calibration



Coeff 0=-4105.748205 Coeff 1=272.984094 Coeff 2=-0.485535

Symbol	Mass	RSF	Available	Excluded	Sensitivity Measured	Corrected	Calculated	%Error
9Be	9.01	0.7500	1	1	484.25	645.66	-1685.00	-361.0
11B	11.01	0.5800	1	1	466.56	992.85	-1159.23	-216.8
23Na	22.99	1.0000	1	1	3582.97	3582.97	1913.47	-46.6
24Mg	23.99	0.9800	1	1	2654.10	3445.63	2162.47	-37.2
25Mg	24.99	0.9800	1	1	356.94	3602.63	2411.87	-33.1
26Mg	25.98	0.9800	1	1	428.76	3875.21	2659.30	-31.4
27Al	26.98	0.9800	1	1	3088.60	3151.64	2906.31	-7.8
39K	38.96	1.0000	1	1	3502.48	3762.87	5793.60	54.0
44Ca	43.96	0.9900	1	1	136.85	6489.69	6955.32	7.2
51V	50.94	0.9900	1	1	6062.95	6138.92	8541.04	39.1
52Cr	51.94	0.9800	1	1	5705.01	6950.15	8763.30	26.1
54Fe	53.94	0.9600	1	1	449.59	7937.64	9206.25	16.0
55Mn	54.94	0.9500	1	1	8997.66	9471.22	9426.03	-0.5
56Fe	55.93	0.9600	1	1	6752.02	7685.05	9644.50	25.5
59Co	58.93	0.9300	1	1	6454.55	6940.37	10295.75	48.3
60Ni	59.93	0.9100	1	1	1244.75	5228.82	10510.51	101.0
62Ni	61.93	0.9100	1	1	193.56	5811.64	10937.62	88.2
65Cu	64.93	0.9000	1	1	1606.73	5775.65	11571.68	100.4
66Zn	65.93	0.3750	1	1	1643.84	15762.53	11780.76	-25.3
67Zn	66.93	0.3750	1	1	294.11	19082.59	11989.46	-37.2
68Zn	67.92	0.3750	1	1	1303.05	18721.94	12196.50	-34.9
75As	74.92	0.0700	1	1	1216.49	17378.40	13621.23	-21.6
78Se	77.92	0.1000	1	1	232.17	9833.46	14216.70	44.6
82Se	81.92	0.1000	1	1	98.03	11089.43	14998.10	35.2
95Mo	94.91	0.9800	1	1	2167.09	14961.53	17428.77	16.5
98Mo	97.91	0.9800	1	1	3658.51	15554.89	17966.79	15.5
107Ag	106.91	0.9300	1	1	6931.32	14514.17	19528.61	34.5
109Ag	108.90	0.9300	1	1	6697.76	14803.48	19864.96	34.2

111Cd	110.90	0.5660	1	1	1714.41	23553.65	20197.38	-14.2
114Cd	113.90	0.5660	1	1	4129.29	25323.04	20688.74	-18.3
121Sb	120.90	0.3900	1	1	6633.24	29708.84	21801.66	-26.6
123Sb	122.90	0.3900	1	1	5168.53	31000.31	22110.93	-28.7
135Ba	134.91	0.9100	1	1	1356.24	22615.74	23884.85	5.6
137Ba	136.91	0.9100	1	1	2334.98	22667.10	24166.89	6.6
182W	181.95	0.9400	1	1	7828.76	31655.16	29489.52	-6.8
184W	183.95	0.9400	1	1	9135.40	31718.39	29680.44	-6.4
203Tl	202.97	1.0000	1	1	8587.85	29111.36	31299.53	7.5
205Tl	204.97	1.0000	1	1	21497.10	30492.35	31449.33	3.1
208Pb	207.98	0.9700	0	1	27668.05	54455.44	31667.11	-41.8
232Th	232.04	1.0000	1	1	31759.04	31759.04	33094.96	4.2
238U	238.05	1.0000	1	1	32642.11	32878.84	33363.97	1.5

Dilution Corrected Concentrations

STD0 10/29/2010 02:35:45 PM

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:36:49	99.926%	0.000	0.075	3.677	110.900	47.930	13.020	29.300	-21.720
2	14:37:52	99.480%	0.000	0.077	3.570	114.900	48.780	13.840	30.930	-21.020
3	14:38:56	100.594%	0.000	0.077	2.824	98.300	48.310	12.850	30.020	-21.170
x		100.000%	0.000	0.076	3.357	108.000	48.340	13.240	30.080	-21.300
σ		0.561%	0.000	0.001	0.465	8.672	0.424	0.529	0.816	0.367
%RSD		0.561	0.000	1.553	13.840	8.026	0.878	3.998	2.714	1.725

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:36:49	0.000	T 0.000	104.200	-206.800	99.628%	0.000	0.164	0.267	4.066
2	14:37:52	0.000	T 0.000	101.100	-202.900	99.999%	0.000	0.265	0.238	2.764
3	14:38:56	0.000	T 0.000	97.390	-205.700	100.372%	0.000	0.281	0.262	2.094
x		0.000	T 0.000	100.900	-205.100	100.000%	0.000	0.236	0.255	2.975
σ		0.000	T 0.000	3.388	2.025	0.372%	0.000	0.064	0.016	1.003
%RSD		0.000	T 0.000	3.358	0.987	0.372	0.000	26.890	6.087	33.720

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:36:49	19.450	0.301	-12.990	1.115	0.022	0.363	0.007	-0.212	0.010
2	14:37:52	20.110	0.297	-11.920	1.118	0.029	-0.018	-0.054	-0.225	-0.080
3	14:38:56	19.480	0.291	-12.560	1.118	0.045	-0.056	-0.041	-0.147	-0.013
x		19.680	0.296	-12.490	1.117	0.032	0.097	-0.029	-0.194	-0.028
σ		0.372	0.005	0.540	0.002	0.012	0.231	0.032	0.042	0.047
%RSD		1.891	1.676	4.322	0.163	38.280	239.600	110.600	21.480	168.600

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:36:49	-0.149	0.090	0.154	0.158	99.128%	2.272	2.611	0.102	-2.377
2	14:37:52	-0.143	0.121	0.234	0.222	99.958%	2.261	2.603	0.103	-2.287
3	14:38:56	-0.140	0.135	0.193	0.094	100.913%	2.203	2.557	0.101	-2.419
x		-0.144	0.116	0.194	0.158	100.000%	2.245	2.590	0.102	-2.361
σ		0.005	0.023	0.040	0.064	0.893%	0.037	0.029	0.001	0.067
%RSD		3.173	19.890	20.660	40.700	0.893	1.649	1.122	1.026	2.854

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:36:49	0.081	0.045	0.007	99.228%	0.978	0.943	7.665	4.884	100.315%
2	14:37:52	0.080	0.036	0.004	100.393%	0.974	0.943	7.689	4.908	99.750%
3	14:38:56	0.080	0.048	0.016	100.379%	0.972	0.934	7.676	4.918	99.936%
x		0.080	0.043	0.009	100.000%	0.975	0.940	7.677	4.903	100.000%
σ		0.001	0.006	0.006	0.669%	0.003	0.005	0.012	0.018	0.288%
%RSD		0.778	14.760	66.690	0.669	0.292	0.550	0.155	0.363	0.288

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:36:49	0.190	0.165	0.255	0.349	0.220	101.498%	0.000	0.624	0.395
2	14:37:52	0.172	0.157	0.257	0.350	0.224	99.600%	0.000	0.623	0.395
3	14:38:56	0.176	0.160	0.258	0.351	0.221	98.902%	0.000	0.624	0.396
x		0.179	0.161	0.257	0.350	0.222	100.000%	0.000	0.624	0.395
σ		0.009	0.004	0.002	0.001	0.002	1.343%	0.000	0.000	0.000
%RSD		5.117	2.637	0.586	0.289	0.991	1.343	0.000	0.074	0.085

STD1 10/29/2010 02:43:20 PM

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:44:23	99.596%	0.000	1.945	39.760	T 966.400	T 993.600	1063.000	1081.000	62.400
2	14:45:27	99.154%	0.000	1.977	39.220	T 968.900	T 1006.000	1074.000	1091.000	62.580
3	14:46:30	99.291%	0.000	2.051	41.030	T 973.300	T 1010.000	1072.000	1083.000	62.360
x		99.347%	0.000	1.991	40.000	T 969.500	T 1003.000	1070.000	1085.000	62.440
σ		0.226%	0.000	0.054	0.928	T 3.487	T 8.689	5.410	5.683	0.117

%RSD		0.228	0.000	2.726	2.321	T 0.360	T 0.866	0.506	0.524	0.188
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	14:44:23	0.000	T 0.000	T 979.500	846.900	96.454%	0.000	3.929	4.022	4.445
2	14:45:27	0.000	T 0.000	T 984.300	857.900	97.314%	0.000	3.949	3.985	3.042
3	14:46:30	0.000	T 0.000	T 985.800	841.000	96.558%	0.000	4.046	4.030	2.248
x		0.000	T 0.000	T 983.200	848.600	96.775%	0.000	3.975	4.012	3.245
σ		0.000	T 0.000	T 3.282	8.552	0.469%	0.000	0.063	0.024	1.113
%RSD		0.000	T 0.000	T 0.334	1.008	0.485	0.000	1.580	0.600	34.290
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	14:44:23	198.500	4.062	205.300	10.230	3.810	3.662	3.830	4.295	4.302
2	14:45:27	198.100	4.013	202.800	10.130	3.800	3.857	4.029	4.096	3.918
3	14:46:30	200.300	4.023	209.500	10.250	3.948	4.266	3.952	4.174	3.846
x		199.000	4.033	205.800	10.200	3.852	3.928	3.937	4.188	4.022
σ		1.149	0.026	3.388	0.066	0.083	0.308	0.100	0.100	0.245
%RSD		0.578	0.633	1.646	0.651	2.155	7.847	2.542	2.389	6.091
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	14:44:23	4.120	1.921	1.827	1.753	97.620%	19.920	19.830	1.980	-1.836
2	14:45:27	3.883	1.974	1.841	1.920	98.911%	20.010	20.030	1.908	-1.994
3	14:46:30	4.118	1.909	2.019	1.860	98.262%	20.030	20.240	1.945	-2.297
x		4.040	1.935	1.896	1.844	98.265%	19.990	20.030	1.944	-2.043
σ		0.136	0.035	0.107	0.084	0.645%	0.062	0.207	0.036	0.234
%RSD		3.374	1.809	5.632	4.578	0.657	0.311	1.035	1.837	11.480
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	14:44:23	1.949	1.893	1.897	97.224%	3.514	3.490	52.080	49.790	98.336%
2	14:45:27	1.929	1.917	1.844	100.021%	3.962	3.932	50.390	49.060	99.863%
3	14:46:30	1.968	2.008	1.957	97.435%	4.343	4.338	52.230	50.480	100.540%
x		1.949	1.939	1.899	98.227%	3.940	3.920	51.570	49.780	99.580%
σ		0.020	0.061	0.057	1.558%	0.415	0.424	1.020	0.713	1.129%
%RSD		1.002	3.129	2.998	1.586	10.540	10.820	1.977	1.433	1.134
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	14:44:23	1.936	1.948	2.051	2.119	2.069	100.212%	0.000	1.945	2.143
2	14:45:27	1.995	1.970	2.053	2.090	2.042	100.875%	0.000	2.076	2.103
3	14:46:30	1.993	1.968	2.123	2.105	2.036	100.674%	0.000	2.183	2.090
x		1.975	1.962	2.076	2.105	2.049	100.587%	0.000	2.068	2.112
σ		0.033	0.012	0.041	0.015	0.017	0.340%	0.000	0.119	0.028
%RSD		1.687	0.617	1.982	0.693	0.841	0.338	0.000	5.755	1.302

STD2 10/29/2010 02:50:55 PM

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:58	98.822%	0.000	9.738	191.300	T 4772.000	T 4859.000	T 4815.000	T 4787.000	445.500
2	14:53:01	97.929%	0.000	9.791	197.100	T 4944.000	T 4963.000	T 4923.000	T 4893.000	448.100
3	14:54:05	98.629%	0.000	10.220	199.000	T 4988.000	T 4984.000	T 4962.000	T 4902.000	449.600
x		98.460%	0.000	9.915	195.800	T 4902.000	T 4936.000	T 4900.000	T 4861.000	447.700
σ		0.470%	0.000	0.262	3.996	T 114.300	T 66.790	T 76.050	T 64.390	2.075
%RSD		0.477	0.000	2.643	2.041	T 2.331	T 1.353	T 1.552	T 1.325	0.464
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:58	0.000	T 0.000	T 4780.000	5422.000	93.935%	0.000	19.900	19.910	3.520
2	14:53:01	0.000	T 0.000	T 4940.000	5448.000	94.869%	0.000	19.670	19.440	2.396
3	14:54:05	0.000	T 0.000	T 4962.000	5445.000	96.297%	0.000	19.630	19.650	1.680
x		0.000	T 0.000	T 4894.000	5438.000	95.034%	0.000	19.730	19.670	2.532
σ		0.000	T 0.000	T 99.380	14.310	1.189%	0.000	0.147	0.234	0.928
%RSD		0.000	T 0.000	T 2.031	0.263	1.251	0.000	0.745	1.187	36.630
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:58	967.000	19.570	T 998.300	48.120	20.040	20.390	20.260	20.040	19.740
2	14:53:01	985.000	19.690	T 1012.000	48.670	20.130	19.540	19.940	20.010	20.440
3	14:54:05	977.900	19.510	T 1016.000	48.290	20.240	19.960	20.130	20.000	19.850
x		976.600	19.590	T 1009.000	48.360	20.140	19.970	20.110	20.020	20.010
σ		9.086	0.092	T 9.124	0.282	0.096	0.426	0.158	0.021	0.375
%RSD		0.930	0.472	T 0.905	0.583	0.476	2.132	0.788	0.105	1.873
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:58	19.940	9.845	9.713	10.020	96.321%	96.660	95.100	9.915	-2.272
2	14:53:01	20.020	10.040	10.170	10.310	95.645%	96.680	97.250	9.879	-1.440
3	14:54:05	20.440	9.916	9.772	9.635	97.921%	98.290	97.820	10.020	-2.020
x		20.130	9.934	9.883	9.989	96.629%	97.210	96.720	9.940	-1.911
σ		0.267	0.099	0.247	0.341	1.169%	0.934	1.434	0.075	0.426
%RSD		1.324	0.994	2.494	3.408	1.210	0.960	1.482	0.759	22.320
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:58	9.977	10.170	10.200	96.733%	17.050	17.070	235.800	242.100	98.125%
2	14:53:01	9.951	10.140	10.080	97.013%	19.470	19.460	242.300	246.100	99.247%
3	14:54:05	9.957	9.746	10.050	98.478%	20.040	20.230	237.500	244.200	101.998%
x		9.962	10.020	10.110	97.408%	18.850	18.920	238.500	244.100	99.790%
σ		0.014	0.237	0.080	0.937%	1.586	1.644	3.359	1.986	1.993%
%RSD		0.141	2.367	0.792	0.962	8.411	8.689	1.408	0.814	1.997
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:58	9.818	9.853	9.749	9.443	9.683	101.056%	0.000	8.816	9.559
2	14:53:01	9.894	9.910	9.443	9.402	9.633	102.395%	0.000	9.217	9.264
3	14:54:05	9.705	9.771	9.573	9.466	9.676	102.305%	0.000	9.383	9.291
x		9.806	9.845	9.588	9.437	9.664	101.919%	0.000	9.139	9.372
σ		0.095	0.070	0.153	0.032	0.027	0.748%	0.000	0.292	0.163
%RSD		0.969	0.709	1.599	0.343	0.282	0.734	0.000	3.194	1.741

STD3 10/29/2010 02:58:30 PM

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:33	97.274%	0.000	49.730	988.500	T 24480.000	T 24370.000	T 24260.000	T 24280.000	T 1983.000
2	15:00:37	97.279%	0.000	M 50.280	M 1010.000	TM 25150.000	TM 25130.000	TM 25220.000	TM 25130.000	T 1981.000
3	15:01:40	97.248%	0.000	M 50.050	M 1004.000	TM 25430.000	TM 25540.000	TM 25570.000	TM 25660.000	TM 2010.000
x		97.267%	0.000	M 50.020	M 1001.000	TM 25020.000	TM 25010.000	TM 25020.000	TM 25020.000	TM 1991.000
σ		0.016%	0.000	M 0.277	M 11.050	TM 485.700	TM 594.600	TM 676.300	TM 699.100	TM 16.160
%RSD		0.017	0.000	M 0.553	M 1.104	TM 1.941	TM 2.377	TM 2.703	TM 2.794	TM 0.812
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:33	0.000	T 0.000	T 24480.000	T 24850.000	93.789%	0.000	M 100.400	M 100.600	2.439
2	15:00:37	0.000	T 0.000	T 24980.000	T 24880.000	97.007%	0.000	99.820	99.540	1.669
3	15:01:40	0.000	T 0.000	TM 25600.000	TM 25030.000	97.920%	0.000	99.900	M 100.100	0.478
x		0.000	T 0.000	TM 25020.000	TM 24920.000	96.239%	0.000	M 100.100	M 100.100	1.529
σ		0.000	T 0.000	TM 562.100	TM 95.670	2.170%	0.000	M 0.340	M 0.511	0.988
%RSD		0.000	T 0.000	TM 2.247	TM 0.384	2.255	0.000	M 0.340	M 0.511	64.620
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	14:59:33	M 5008.000	M 100.200	T 4999.000	248.700	M 100.300	M 100.200	M 100.500	M 100.700	M 101.700
2	15:00:37	4997.000	99.470	T 4968.000	249.900	99.960	98.710	99.080	99.140	98.130
3	15:01:40	M 5009.000	M 100.600	TM 5027.000	M 252.300	99.650	M 101.100	M 100.400	M 100.200	M 100.100
x		M 5005.000	M 100.100	TM 4998.000	M 250.300	M 99.980	M 100.000	M 99.980	M 99.990	M 100.000
σ		M 6.761	M 0.569	TM 29.230	M 1.807	M 0.337	M 1.198	M 0.778	M 0.769	M 1.800
%RSD		M 0.135	M 0.569	TM 0.585	M 0.722	M 0.337	M 1.198	M 0.779	M 0.769	M 1.800
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	14:59:33	99.800	49.580	49.680	M 50.400	96.792%	496.000	496.200	49.890	0.307
2	15:00:37	99.730	49.420	49.620	48.790	99.205%	499.500	499.500	49.840	1.284
3	15:01:40	M 100.400	M 51.040	M 50.790	M 50.830	98.403%	M 506.200	M 506.300	M 50.310	2.867
x		M 99.970	M 50.020	M 50.030	M 50.010	98.133%	M 500.600	M 500.700	M 50.010	1.486
σ		M 0.363	M 0.895	M 0.659	M 1.076	1.229%	M 5.154	M 5.131	M 0.259	1.292
%RSD		M 0.363	M 1.789	M 1.317	M 2.151	1.252	M 1.030	M 1.025	M 0.518	86.960
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	14:59:33	49.750	M 50.040	49.990	97.258%	93.690	93.520	1246.000	T 1168.000	104.432%
2	15:00:37	49.810	49.450	49.560	98.985%	M 101.300	M 102.300	M 1253.000	M 1296.000	102.380%
3	15:01:40	M 50.480	M 50.500	M 50.400	99.434%	M 105.700	M 104.900	M 1257.000	M 1290.000	102.173%
x		M 50.010	M 50.000	M 49.980	98.559%	M 100.200	M 100.200	M 1252.000	TM 1251.000	102.995%
σ		M 0.406	M 0.526	M 0.421	1.149%	M 6.059	M 5.947	M 5.652	TM 72.430	1.249%
%RSD		M 0.812	M 1.052	M 0.842	1.166	M 6.045	M 5.934	M 0.451	TM 5.789	1.212
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	14:59:33	48.940	48.380	M 50.100	49.520	M 50.220	100.639%	0.000	49.720	M 50.130
2	15:00:37	M 50.140	M 50.300	M 50.370	M 50.680	M 50.330	100.221%	0.000	M 50.770	M 50.860
3	15:01:40	M 51.040	M 51.420	49.760	M 50.120	49.650	101.528%	0.000	M 50.020	49.380
x		M 50.040	M 50.030	M 50.080	M 50.110	M 50.070	100.796%	0.000	M 50.170	M 50.120
σ		M 1.050	M 1.537	M 0.305	M 0.578	M 0.363	0.668%	0.000	M 0.542	M 0.742
%RSD		M 2.099	M 3.071	M 0.609	M 1.154	M 0.726	0.662	0.000	M 1.080	M 1.481

ICV 10/29/2010 03:06:06 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:09	99.004%	0.000	25.030	490.800	T 12120.000	T 12220.000	T 12240.000	T 12220.000	T 963.300
2	15:08:13	98.391%	0.000	25.380	510.200	T 12560.000	T 12660.000	T 12580.000	T 12620.000	T 956.900
3	15:09:16	99.354%	0.000	25.240	497.000	T 12470.000	T 12650.000	T 12740.000	T 12730.000	T 966.500
x		98.916%	0.000	100.860%	99.860%	T 99.047%	T 12510.000	T 100.142%	T 100.189%	T 96.224%
σ		0.487%	0.000	n/a	n/a	T n/a	T 252.300	T n/a	T n/a	T n/a
%RSD		0.493	0.000	0.702	1.984	T 1.855	T 2.017	T 2.046	T 2.115	T 0.510
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:09	0.000	T 0.000	T 12230.000	13760.000	97.544%	0.000	49.180	49.550	1.618
2	15:08:13	0.000	T 0.000	T 12550.000	13780.000	100.380%	0.000	48.340	48.420	1.326
3	15:09:16	0.000	T 0.000	T 12630.000	13730.000	101.661%	0.000	48.690	48.940	0.912
x		0.000	T 0.000	T 99.768%	110.055%	99.862%	0.000	97.474%	97.942%	1.286
σ		0.000	T 0.000	T n/a	n/a	2.107%	0.000	n/a	n/a	0.355
%RSD		0.000	T 0.000	T 1.673	0.163	2.110	0.000	0.866	1.154	27.600
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:09	2444.000	47.930	T 2458.000	122.800	48.830	49.210	49.530	48.670	56.940
2	15:08:13	2424.000	47.880	T 2469.000	123.200	48.990	48.480	48.730	47.830	56.600
3	15:09:16	2407.000	47.860	T 2463.000	123.500	48.650	48.660	48.810	47.770	57.120
x		2425.000	95.777%	T 98.546%	98.539%	97.647%	97.570%	98.049%	96.183%	113.775%
σ		18.110	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.747	0.075	T 0.225	0.291	0.342	0.771	0.904	1.050	0.467
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:09	55.370	24.920	24.680	24.680	99.168%	244.300	243.600	22.910	-0.943
2	15:08:13	55.010	25.130	25.200	24.400	99.798%	244.900	244.400	23.170	-0.575
3	15:09:16	55.090	25.520	25.360	25.030	100.503%	245.600	245.100	23.310	-0.282
x		110.313%	100.757%	100.322%	98.821%	99.823%	97.971%	244.400	92.531%	-0.600
σ		n/a	n/a	n/a	n/a	0.668%	n/a	0.782	n/a	0.331
%RSD		0.346	1.196	1.429	1.288	0.669	0.253	0.320	0.888	55.190
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:09	22.510	24.340	24.090	101.537%	46.450	46.540	1187.000	1225.000	105.421%
2	15:08:13	22.840	24.530	24.510	100.600%	50.780	50.920	1198.000	1245.000	105.284%
3	15:09:16	23.410	24.590	24.680	100.921%	52.200	52.000	1210.000	M 1260.000	103.709%
x		91.686%	97.943%	97.719%	101.019%	99.611%	99.638%	95.878%	M 99.447%	104.804%
σ		n/a	n/a	n/a	0.477%	n/a	n/a	n/a	M n/a	0.952%
%RSD		1.991	0.536	1.237	0.472	6.014	5.809	0.958	M 1.432	0.908
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:09	23.570	23.390	23.400	23.070	24.440	101.766%	0.000	23.190	24.560
2	15:08:13	23.820	23.590	22.530	22.330	23.760	103.967%	0.000	23.710	23.910
3	15:09:16	24.240	24.270	23.140	23.170	24.240	102.354%	0.000	24.630	25.000
x		95.508%	95.009%	92.089%	91.421%	96.578%	102.696%	0.000	23.840	24.490
σ		n/a	n/a	n/a	n/a	n/a	1.140%	0.000	0.728	0.547
%RSD		1.424	1.950	1.946	1.992	1.453	1.110	0.000	3.052	2.235

ICB 10/29/2010 03:13:43 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:46	99.732%	0.000	0.098	13.700	136.700	53.230	17.980	35.090	-21.330
2	15:15:50	100.464%	0.000	0.114	12.590	128.000	57.590	22.320	38.710	-20.810
3	15:16:53	100.647%	0.000	0.114	11.550	120.800	55.390	20.300	36.860	-21.260
x		100.281%	0.000	0.109	12.610	128.500	55.400	20.200	36.890	-21.130
σ		0.484%	0.000	0.009	1.076	7.967	2.183	2.171	1.808	0.284
%RSD		0.483	0.000	8.522	8.535	6.200	3.940	10.750	4.901	1.343
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:46	0.000	T 0.000	80.600	-206.000	97.824%	0.000	0.345	0.312	1.099
2	15:15:50	0.000	T 0.000	79.710	-202.700	98.894%	0.000	0.318	0.304	0.699
3	15:16:53	0.000	T 0.000	72.630	-203.700	100.889%	0.000	0.403	0.274	0.402
x		0.000	T 0.000	77.640	-204.100	99.202%	0.000	0.355	0.297	0.733
σ		0.000	T 0.000	4.367	1.726	1.555%	0.000	0.043	0.020	0.350
%RSD		0.000	T 0.000	5.625	0.846	1.568	0.000	12.100	6.675	47.700
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:14:46	21.000	0.303	-3.734	1.163	0.011	0.066	0.024	-0.175	-0.171
2	15:15:50	21.430	0.318	-3.048	1.204	0.041	0.045	0.006	-0.151	-0.187
3	15:16:53	19.610	0.308	-4.572	1.170	0.001	0.222	-0.068	-0.186	-0.116
x		20.680	0.310	-3.785	1.179	0.018	0.111	-0.013	-0.171	-0.158
σ		0.952	0.008	0.763	0.022	0.021	0.096	0.049	0.018	0.037
%RSD		4.603	2.437	20.160	1.860	117.700	86.770	391.300	10.470	23.470
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:14:46	-0.095	0.096	-0.208	-0.040	101.329%	3.229	3.554	0.116	-2.319
2	15:15:50	-0.094	0.081	0.087	0.081	101.549%	3.084	3.385	0.120	-2.542
3	15:16:53	-0.129	0.093	-0.065	0.147	100.742%	2.865	3.238	0.117	-2.232
x		-0.106	0.090	-0.062	0.063	101.207%	3.059	3.392	0.118	-2.364
σ		0.020	0.008	0.148	0.095	0.417%	0.183	0.158	0.002	0.160
%RSD		18.640	8.940	237.600	150.700	0.412	5.990	4.650	1.617	6.773
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:14:46	0.090	0.048	0.015	99.230%	2.607	2.562	8.001	5.273	102.417%
2	15:15:50	0.100	0.088	0.039	100.567%	2.262	2.205	8.255	5.497	102.554%
3	15:16:53	0.096	0.052	0.021	101.674%	2.017	1.964	8.143	5.362	101.621%
x		0.095	0.063	0.025	100.490%	2.295	2.244	8.133	5.378	102.198%
σ		0.005	0.022	0.013	1.224%	0.296	0.301	0.127	0.113	0.504%
%RSD		5.551	34.920	50.550	1.218	12.900	13.400	1.564	2.100	0.493
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:14:46	0.641	0.633	0.267	0.363	0.237	104.913%	0.000	0.813	0.406
2	15:15:50	0.593	0.569	0.272	0.369	0.243	103.152%	0.000	0.783	0.412
3	15:16:53	0.528	0.527	0.268	0.363	0.239	104.946%	0.000	0.762	0.410
x		0.588	0.576	0.269	0.365	0.240	104.337%	0.000	0.786	0.410
σ		0.057	0.054	0.003	0.004	0.003	1.026%	0.000	0.025	0.003
%RSD		9.690	9.308	1.101	0.976	1.151	0.984	0.000	3.230	0.778

ICSA 10/29/2010 03:21:19 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:22:23	83.722%	0.000	0.078	34.140	TM 93900.000	TM 94370.000	TM 95400.000	TM 94380.000	TM 94290.000
2	15:23:26	82.632%	0.000	0.106	35.620	TM 97950.000	TM 97390.000	TM 97120.000	TM 97240.000	TM 95610.000
3	15:24:30	81.967%	0.000	0.086	34.220	TM 99210.000	TM 99290.000	TM 100000.000	TM 98820.000	TM 94000.000
x		82.774%	0.000	0.090	34.660	TM 97.019%	TM 97020.000	TM 97.507%	TM 96.817%	TM 94.632%
σ		0.886%	0.000	0.014	0.832	TM n/a	TM 2485.000	TM n/a	TM n/a	TM n/a
%RSD		1.070	0.000	15.960	2.400	TM 2.860	TM 2.561	TM 2.381	TM 2.326	TM 0.906

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:22:23	T 0.000	T 0.000	TM 93320.000	TM 96760.000	82.937%	0.000	0.369	1.555	16.790
2	15:23:26	T 0.000	T 0.000	TM 97960.000	TM 97270.000	83.674%	0.000	0.064	1.603	16.680
3	15:24:30	T 0.000	T 0.000	TM 98570.000	TM 96480.000	86.090%	0.000	0.221	1.591	15.840
x		T 0.000	T 0.000	TM 96.614%	TM 96.836%	84.234%	0.000	0.218	1.583	16.440
σ		T 0.000	T 0.000	TM n/a	TM n/a	1.649%	0.000	0.152	0.025	0.522
%RSD		T 0.000	T 0.000	TM 2.974	TM 0.414	1.958	0.000	69.930	1.589	3.175

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:22:23	TM 80070.000	0.501	TM 93130.000	1.226	-2.543	8.269	0.959	0.158	2.316
2	15:23:26	TM 81490.000	0.487	TM 93250.000	1.224	-2.632	11.230	0.979	0.223	2.780
3	15:24:30	TM 80970.000	0.471	TM 91620.000	1.237	-2.537	14.230	0.946	0.195	2.581
x		TM 80840.000	0.487	TM 92.664%	1.229	-2.571	11.240	0.961	0.192	2.559
σ		TM 716.700	0.015	TM n/a	0.007	0.053	2.983	0.017	0.033	0.233
%RSD		TM 0.886	3.027	TM 0.981	0.532	2.063	26.530	1.728	16.990	9.098

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:22:23	1.931	-0.429	2.964	-0.158	83.199%	TM 1828.000	TM 1810.000	0.229	7.265
2	15:23:26	1.916	-0.337	5.073	-0.162	84.701%	TM 1826.000	TM 1802.000	0.227	6.147
3	15:24:30	1.913	-0.250	6.212	-0.159	86.670%	TM 1801.000	TM 1756.000	0.219	6.921
x		1.920	-0.339	4.749	-0.160	84.857%	TM 90.932%	TM 1790.000	0.225	6.778
σ		0.010	0.090	1.648	0.002	1.741%	TM n/a	TM 29.130	0.005	0.573
%RSD		0.502	26.490	34.700	1.168	2.052	TM 0.818	TM 1.628	2.361	8.447

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:22:23	0.187	0.223	0.158	84.432%	1.935	1.888	7.945	5.156	87.652%
2	15:23:26	0.200	0.241	0.204	82.067%	1.829	1.792	7.956	5.197	84.263%
3	15:24:30	0.202	0.232	0.191	83.376%	1.729	1.696	7.934	5.195	83.939%
x		0.196	0.232	0.184	83.292%	1.831	1.792	7.945	5.183	85.285%
σ		0.008	0.009	0.024	1.185%	0.102	0.096	0.011	0.023	2.056%
%RSD		4.243	3.945	12.980	1.423	5.600	5.384	0.139	0.446	2.411

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:22:23	0.487	0.465	0.264	0.357	0.395	82.506%	0.000	0.810	0.401
2	15:23:26	0.448	0.461	0.266	0.356	0.399	79.846%	0.000	0.739	0.399
3	15:24:30	0.432	0.420	0.264	0.356	0.388	79.610%	0.000	0.722	0.399
x		0.456	0.449	0.265	0.356	0.394	80.654%	0.000	0.757	0.400
σ		0.028	0.025	0.001	0.001	0.006	1.608%	0.000	0.046	0.001
%RSD		6.240	5.496	0.340	0.235	1.442	1.994	0.000	6.133	0.328

ICSAB 10/29/2010 03:28:56 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	15:29:59	79.211%	0.000	17.690	191.900	TM 106000.000	TM 104200.000	TM 105200.000	TM 105600.000	TM 990
2	15:31:03	77.859%	0.000	17.710	195.300	TM 107700.000	TM 106700.000	TM 107100.000	TM 107800.000	TM 970
3	15:32:06	77.250%	0.000	17.720	197.000	TM 108700.000	TM 108300.000	TM 109600.000	TM 109200.000	TM 1009
x		78.107%	0.000	88.528%	97.371%	TM 107.475%	TM 106400.000	TM 107.299%	TM 107.548%	TM 99
σ		1.003%	0.000	n/a	n/a	TM n/a	TM 2049.000	TM n/a	TM n/a	
%RSD		1.285	0.000	0.095	1.353	TM 1.307	TM 1.925	TM 2.059	TM 1.709	TM

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	5

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	15:29:59	T 0.000	T 0.000	TM 104700.000	TM 99310.000	84.716%	0.000	32.990	36.340	
2	15:31:03	T 0.000	T 0.000	TM 108400.000	TM 100300.000	85.973%	0.000	32.240	35.380	
3	15:32:06	T 0.000	T 0.000	TM 109900.000	TM 101000.000	83.489%	0.000	32.940	36.780	
x		T 0.000	T 0.000	TM 107.674%	TM 100.232%	84.726%	0.000	81.804%	90.422%	
σ		T 0.000	T 0.000	TM n/a	TM n/a	1.242%	0.000	n/a	n/a	
%RSD		T 0.000	T 0.000	TM 2.467	TM 0.872	1.466	0.000	1.289	1.977	
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	
1	15:29:59	TM 82190.000	34.390	TM 93890.000	41.320	77.700	95.770	80.450	83.330	
2	15:31:03	TM 81190.000	34.330	TM 93990.000	41.120	76.840	97.280	79.130	82.830	
3	15:32:06	TM 84610.000	35.110	TM 95300.000	41.720	78.290	M 101.000	82.520	87.340	
x		TM 82660.000	86.532%	TM 94.394%	82.775%	77.611%	M 98.033%	80.697%	84.499%	76
σ		TM 1763.000	n/a	TM n/a	n/a	n/a	M n/a	n/a	n/a	
%RSD		TM 2.132	1.255	TM 0.831	0.742	0.937	M 2.767	2.118	2.923	
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	
1	15:29:59	77.720	18.510	22.750	16.610	84.709%	TM 1872.000	TM 1812.000	17.610	
2	15:31:03	78.570	18.960	25.120	16.730	83.361%	TM 1875.000	TM 1826.000	18.020	
3	15:32:06	80.670	18.450	26.400	16.750	83.221%	TM 1884.000	TM 1846.000	17.380	
x		78.986%	93.195%	123.792%	83.461%	83.764%	TM 93.854%	TM 1828.000	88.345%	
σ		n/a	n/a	n/a	n/a	0.822%	TM n/a	TM 16.940	n/a	
%RSD		1.918	1.482	7.476	0.450	0.981	TM 0.332	TM 0.927	1.859	
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**1**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	
1	15:29:59	17.280	19.190	19.350	82.895%	91.940	91.200	387.400	403.100	83
2	15:31:03	18.060	19.730	19.710	81.061%	92.790	93.750	398.100	415.000	84
3	15:32:06	17.350	19.090	19.450	81.666%	92.160	91.510	393.900	406.300	82
x		87.821%	96.690%	97.519%	81.874%	92.295%	92.150%	78.624%	81.624%	83
σ		n/a	n/a	n/a	0.934%	n/a	n/a	n/a	n/a	1
%RSD		2.461	1.759	0.946	1.141	0.478	1.508	1.364	1.505	
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	
1	15:29:59	17.950	17.860	16.310	15.620	16.930	78.060%	0.000	17.060	
2	15:31:03	17.570	17.160	16.410	16.210	17.340	75.228%	0.000	17.230	
3	15:32:06	17.750	17.620	16.580	15.900	17.000	74.294%	0.000	17.260	
x		88.788%	87.725%	82.168%	79.557%	85.452%	75.861%	0.000	17.180	
σ		n/a	n/a	n/a	n/a	n/a	1.961%	0.000	0.111	
%RSD		1.069	2.014	0.809	1.861	1.297	2.586	0.000	0.645	

CCV 10/29/2010 03:36:32 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:37:35	86.957%	0.000	10.920	219.400	T 6026.000	T 6000.000	T 5991.000	T 5992.000	466.400
2	15:38:38	88.090%	0.000	10.920	221.300	T 6190.000	T 6084.000	T 6093.000	T 6058.000	501.600
3	15:39:42	89.834%	0.000	10.670	225.100	T 6197.000	T 6079.000	T 6013.000	T 6001.000	507.700
x		88.294%	0.000	108.368%	110.975%	T 122.756%	T 6054.000	T 120.648%	T 120.342%	122.968%
σ		1.449%	0.000	n/a	n/a	T n/a	T 47.050	T n/a	T n/a	n/a
%RSD		1.642	0.000	1.343	1.309	T 1.575	T 0.777	T 0.895	T 0.597	4.530

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:37:35	0.000	T 0.000	T 6287.000	5416.000	102.118%	0.000	19.080	18.980	3.217
2	15:38:38	0.000	T 0.000	T 6314.000	5475.000	103.495%	0.000	19.320	19.350	1.964
3	15:39:42	0.000	T 0.000	T 6307.000	5546.000	103.864%	0.000	19.470	19.670	1.727
x		0.000	T 0.000	T 126.060%	109.581%	103.159%	0.000	96.447%	96.657%	2.303
σ		0.000	T 0.000	T n/a	n/a	0.920%	0.000	n/a	n/a	0.801
%RSD		0.000	T 0.000	T 0.225	1.186	0.892	0.000	1.033	1.777	34.780

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:37:35	969.100	19.060	T 1003.000	46.320	18.860	21.490	19.190	19.320	19.940
2	15:38:38	1003.000	19.140	T 1048.000	47.130	19.770	22.400	19.160	19.290	19.210
3	15:39:42	1023.000	19.630	T 1070.000	47.500	19.560	21.690	19.510	19.310	19.330
x		998.600	96.383%	T 104.034%	93.959%	96.996%	109.291%	96.426%	96.524%	97.480%
σ		27.300	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.734	1.582	T 3.291	1.287	2.464	2.186	1.001	0.091	1.989

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:37:35	19.210	9.709	11.180	9.574	100.513%	97.220	95.500	9.770	-1.877
2	15:38:38	19.560	10.020	10.800	10.040	103.245%	98.770	97.630	9.722	-1.853
3	15:39:42	19.870	10.140	11.470	10.180	101.403%	100.700	96.990	9.959	-1.388
x		97.726%	99.568%	111.487%	99.318%	101.720%	98.905%	96.710	98.169%	-1.706
σ		n/a	n/a	n/a	n/a	1.393%	n/a	1.092	n/a	0.276
%RSD		1.680	2.243	2.979	3.190	1.370	1.781	1.130	1.275	16.160

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:37:35	9.651	9.606	9.754	98.151%	17.070	17.010	237.400	239.600	98.051%
2	15:38:38	9.611	9.879	9.569	100.981%	18.910	19.120	232.800	238.500	96.770%
3	15:39:42	9.993	10.270	9.804	99.666%	20.240	20.110	237.900	237.900	96.710%
x		97.519%	99.197%	97.090%	99.599%	93.710%	93.738%	94.423%	95.468%	97.177%
σ		n/a	n/a	n/a	1.416%	n/a	n/a	n/a	n/a	0.758%
%RSD		2.154	3.383	1.274	1.422	8.485	8.450	1.196	0.365	0.780

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:37:35	9.444	9.225	9.787	9.535	9.650	93.019%	0.000	8.690	9.449
2	15:38:38	9.663	9.510	9.750	9.493	9.601	93.258%	0.000	9.342	9.229
3	15:39:42	9.770	9.675	9.734	9.618	9.754	91.854%	0.000	9.625	9.559
x		96.256%	94.698%	97.570%	95.487%	96.683%	92.711%	0.000	9.219	9.412
σ		n/a	n/a	n/a	n/a	n/a	0.751%	0.000	0.479	0.168
%RSD		1.729	2.404	0.281	0.664	0.810	0.810	0.000	5.198	1.786

CCB 10/29/2010 03:44:07 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:10	90.799%	0.000	0.119	7.255	236.900	85.680	50.680	66.270	4.117
2	15:46:13	90.756%	0.000	0.075	7.369	239.700	93.430	59.480	71.930	9.029
3	15:47:16	92.262%	0.000	0.084	6.559	210.300	80.350	43.820	60.900	0.850
x		91.273%	0.000	0.093	7.061	228.900	86.490	51.330	66.370	4.665
σ		0.857%	0.000	0.023	0.439	16.200	6.579	7.853	5.515	4.117
%RSD		0.939	0.000	24.680	6.210	7.076	7.606	15.300	8.310	88.240

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:45:10	0.000	T 0.000	T 260.100	-181.100	104.199%	0.000	0.325	0.332	2.298
2	15:46:13	0.000	T 0.000	T 255.400	-175.500	104.898%	0.000	0.389	0.320	1.610
3	15:47:16	0.000	T 0.000	294.900	-185.800	106.720%	0.000	0.290	0.346	1.383
x		0.000	T 0.000	T 270.100	-180.800	105.272%	0.000	0.335	0.333	1.764
σ		0.000	T 0.000	T 21.580	5.114	1.302%	0.000	0.050	0.013	0.476
%RSD		0.000	T 0.000	T 7.987	2.829	1.237	0.000	14.950	3.859	26.990
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:45:10	41.940	0.295	24.030	1.154	0.025	1.126	-0.057	-0.166	-0.072
2	15:46:13	46.440	0.303	30.310	1.156	0.040	0.988	-0.007	-0.158	-0.119
3	15:47:16	39.030	0.300	21.700	1.144	0.012	0.803	-0.096	-0.168	-0.149
x		42.470	0.299	25.350	1.152	0.026	0.973	-0.053	-0.164	-0.113
σ		3.737	0.004	4.453	0.006	0.014	0.162	0.045	0.006	0.039
%RSD		8.798	1.341	17.570	0.559	54.340	16.670	84.120	3.406	34.320
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:45:10	-0.083	0.016	0.784	0.087	102.513%	3.841	4.162	0.115	-2.252
2	15:46:13	-0.119	0.082	0.769	-0.017	104.892%	3.700	4.030	0.115	-2.256
3	15:47:16	-0.101	0.120	0.856	0.008	104.409%	3.405	3.714	0.115	-2.459
x		-0.101	0.072	0.803	0.026	103.938%	3.649	3.969	0.115	-2.322
σ		0.018	0.053	0.047	0.054	1.258%	0.223	0.230	0.000	0.118
%RSD		17.570	72.640	5.794	205.600	1.210	6.110	5.790	0.037	5.096
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:45:10	0.097	0.043	0.009	103.304%	1.776	1.738	7.898	5.178	101.342%
2	15:46:13	0.093	0.042	0.021	102.171%	1.605	1.576	7.929	5.174	101.240%
3	15:47:16	0.094	0.060	0.026	101.996%	1.488	1.451	7.904	5.113	97.461%
x		0.095	0.048	0.018	102.491%	1.623	1.588	7.911	5.155	100.014%
σ		0.002	0.010	0.009	0.710%	0.145	0.144	0.017	0.037	2.211%
%RSD		2.190	20.160	46.510	0.693	8.908	9.052	0.209	0.712	2.211
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:45:10	0.298	0.275	0.273	0.365	0.238	96.279%	0.000	0.739	0.404
2	15:46:13	0.278	0.258	0.271	0.363	0.241	98.429%	0.000	0.724	0.405
3	15:47:16	0.265	0.240	0.265	0.360	0.236	95.805%	0.000	0.713	0.402
x		0.280	0.258	0.270	0.363	0.238	96.838%	0.000	0.725	0.403
σ		0.017	0.018	0.004	0.003	0.002	1.399%	0.000	0.013	0.001
%RSD		6.073	6.805	1.490	0.802	0.949	1.444	0.000	1.760	0.277

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:52:45	94.283%	0.000	0.107	6.208	206.800	72.020	35.750	52.700	-0.066
2	15:53:48	94.650%	0.000	0.085	6.149	196.700	69.970	34.230	51.810	-1.825
3	15:54:52	94.279%	0.000	0.081	6.549	T 89.460	70.530	35.670	51.280	-1.663
x		94.404%	0.000	0.091	6.302	T 164.300	70.840	35.220	51.930	-1.185
σ		0.213%	0.000	0.014	0.216	T 65.010	1.059	0.856	0.720	0.972
%RSD		0.225	0.000	15.470	3.427	T 39.570	1.495	2.431	1.387	82.060

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:52:45	0.000	T 0.000	243.900	-181.300	106.267%	0.000	0.426	0.904	2.994
2	15:53:48	0.000	T 0.000	224.500	-183.200	106.735%	0.000	0.292	0.953	2.286
3	15:54:52	0.000	T 0.000	230.900	-183.300	108.411%	0.000	0.320	0.897	1.712
x		0.000	T 0.000	233.100	-182.600	107.138%	0.000	0.346	0.918	2.331
σ		0.000	T 0.000	9.854	1.118	1.127%	0.000	0.071	0.030	0.643
%RSD		0.000	T 0.000	4.227	0.612	1.052	0.000	20.520	3.276	27.570

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:52:45	102.600	0.724	67.060	1.140	0.205	0.688	0.751	1.377	1.042
2	15:53:48	100.400	0.745	66.260	1.135	0.271	0.590	0.787	1.418	1.291
3	15:54:52	100.300	0.724	64.480	1.127	0.174	0.551	0.818	1.369	1.378
x		101.100	0.731	65.940	1.134	0.217	0.610	0.785	1.388	1.237
σ		1.314	0.012	1.320	0.006	0.049	0.071	0.034	0.026	0.174
%RSD		1.300	1.709	2.002	0.564	22.760	11.580	4.273	1.898	14.090

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:52:45	1.294	0.015	0.222	-0.029	106.331%	3.282	3.505	0.106	-2.166
2	15:53:48	1.204	0.059	0.357	-0.118	106.916%	2.975	3.406	0.104	-2.478
3	15:54:52	1.302	0.086	0.250	0.008	109.906%	2.932	3.285	0.104	-2.079
x		1.267	0.053	0.276	-0.047	107.718%	3.063	3.399	0.105	-2.241
σ		0.054	0.036	0.071	0.065	1.918%	0.191	0.111	0.001	0.210
%RSD		4.269	66.850	25.810	139.400	1.780	6.220	3.251	1.016	9.366

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:52:45	0.084	0.047	-0.064	105.523%	1.493	1.458	7.771	4.963	103.620%
2	15:53:48	0.085	0.070	-0.028	107.130%	1.363	1.326	7.772	4.978	108.763%
3	15:54:52	0.084	0.031	-0.053	108.708%	1.287	1.260	7.750	4.977	104.003%
x		0.084	0.049	-0.048	107.120%	1.381	1.348	7.764	4.973	105.462%
σ		0.000	0.020	0.019	1.592%	0.104	0.101	0.012	0.009	2.865%
%RSD		0.265	40.340	38.430	1.487	7.530	7.471	0.160	0.174	2.717

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:52:45	0.819	0.837	0.263	0.356	0.247	104.828%	0.000	0.814	0.400
2	15:53:48	0.735	0.698	0.258	0.353	0.242	106.066%	0.000	0.743	0.398
3	15:54:52	0.694	0.650	0.260	0.355	0.243	103.162%	0.000	0.719	0.398
x		0.749	0.729	0.260	0.354	0.244	104.685%	0.000	0.759	0.399
σ		0.064	0.097	0.003	0.001	0.003	1.457%	0.000	0.049	0.001
%RSD		8.494	13.350	1.139	0.331	1.125	1.392	0.000	6.512	0.325

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:20	94.373%	0.000	26.250	526.900	T 13760.000	T 13770.000	T 13690.000	T 13800.000	T 982.900
2	16:01:24	94.342%	0.000	26.770	538.800	T 13970.000	T 14150.000	T 14130.000	T 14110.000	T 987.100
3	16:02:27	96.048%	0.000	26.130	535.600	T 14010.000	T 14100.000	T 14150.000	T 14160.000	T 1007.000
x		94.921%	0.000	26.380	533.800	T 13910.000	T 14000.000	T 13990.000	T 14020.000	T 992.400
σ		0.976%	0.000	0.343	6.117	T 133.500	T 202.900	T 259.900	T 195.900	T 13.020
%RSD		1.028	0.000	1.298	1.146	T 0.960	T 1.449	T 1.858	T 1.397	T 1.312

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:20	0.000	T 0.000	T 14160.000	13930.000	104.506%	0.000	48.320	49.620	2.421
2	16:01:24	0.000	T 0.000	T 14510.000	13900.000	106.517%	0.000	49.090	50.150	1.243
3	16:02:27	0.000	T 0.000	T 14570.000	14060.000	106.830%	0.000	49.840	50.800	1.231
x		0.000	T 0.000	T 14410.000	13960.000	105.951%	0.000	49.080	50.190	1.632
σ		0.000	T 0.000	T 223.000	88.260	1.261%	0.000	0.758	0.589	0.684
%RSD		0.000	T 0.000	T 1.547	0.632	1.190	0.000	1.545	1.174	41.910
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:00:20	2513.000	49.480	T 2547.000	122.200	48.340	48.910	48.950	48.820	59.840
2	16:01:24	2512.000	49.410	T 2552.000	123.600	49.010	49.810	49.090	48.270	59.300
3	16:02:27	2578.000	50.330	T 2598.000	125.300	49.620	50.510	49.390	49.230	59.610
x		2534.000	49.740	T 2566.000	123.700	48.990	49.740	49.150	48.770	59.580
σ		37.730	0.513	T 27.990	1.563	0.638	0.800	0.226	0.484	0.269
%RSD		1.489	1.032	T 1.091	1.264	1.303	1.609	0.459	0.992	0.451
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:00:20	56.260	24.670	24.040	23.320	104.099%	247.700	244.500	23.330	-0.192
2	16:01:24	57.540	24.730	23.750	23.640	106.757%	248.800	247.900	23.360	0.612
3	16:02:27	57.000	24.420	23.530	22.900	108.707%	248.600	245.300	23.720	0.584
x		56.930	24.600	23.780	23.290	106.521%	248.400	245.900	23.470	0.335
σ		0.642	0.166	0.255	0.371	2.313%	0.604	1.770	0.221	0.456
%RSD		1.127	0.676	1.072	1.592	2.171	0.243	0.720	0.941	136.300
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:00:20	23.560	24.220	24.170	104.264%	53.830	53.770	1230.000	M 1280.000	110.314%
2	16:01:24	23.280	24.630	23.950	106.193%	53.680	53.510	1224.000	M 1269.000	110.467%
3	16:02:27	23.450	24.000	24.210	107.301%	53.630	53.130	1225.000	T 1147.000	108.559%
x		23.430	24.280	24.110	105.919%	53.720	53.470	1226.000	TM 1232.000	109.780%
σ		0.143	0.322	0.142	1.537%	0.103	0.321	3.013	TM 73.970	1.060%
%RSD		0.609	1.327	0.588	1.451	0.193	0.600	0.246	TM 6.005	0.965
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:00:20	25.910	25.710	22.870	22.700	24.080	110.178%	0.000	24.670	24.820
2	16:01:24	25.860	25.680	23.130	22.830	24.340	108.557%	0.000	24.670	24.920
3	16:02:27	25.980	25.870	23.990	23.400	24.870	105.980%	0.000	25.200	25.820
x		25.910	25.750	23.330	22.980	24.430	108.238%	0.000	24.850	25.190
σ		0.060	0.105	0.585	0.370	0.402	2.117%	0.000	0.306	0.551
%RSD		0.232	0.408	2.508	1.612	1.646	1.956	0.000	1.231	2.188

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:55	92.578%	0.000	0.126	11.800	T 13970.000	T 5504.000	T 5516.000	T 5497.000	2.297
2	16:08:58	95.251%	0.000	0.092	10.630	T 14180.000	T 5590.000	T 5591.000	T 5609.000	2.574
3	16:10:01	94.363%	0.000	0.103	10.470	T 14750.000	T 5852.000	T 5905.000	T 5845.000	4.561
x		94.064%	0.000	0.107	10.970	T 14300.000	T 5649.000	T 5671.000	T 5650.000	3.144
σ		1.361%	0.000	0.018	0.723	T 405.000	T 181.200	T 206.500	T 177.700	1.235
%RSD		1.447	0.000	16.560	6.595	T 2.832	T 3.208	T 3.641	T 3.145	39.270

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:55	T 0.000	T 0.000	TM 44300.000	TM 109800.000	105.469%	0.000	0.509	5.766	2.738
2	16:08:58	T 0.000	T 0.000	TM 45280.000	TM 110000.000	110.470%	0.000	0.580	5.680	1.636
3	16:10:01	T 0.000	T 0.000	TM 46790.000	TM 110400.000	113.224%	0.000	0.470	5.713	1.394
x		T 0.000	T 0.000	TM 45460.000	TM 110100.000	109.721%	0.000	0.520	5.720	1.922
σ		T 0.000	T 0.000	TM 1256.000	TM 320.300	3.932%	0.000	0.056	0.043	0.717
%RSD		T 0.000	T 0.000	TM 2.763	TM 0.291	3.583	0.000	10.710	0.759	37.270

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:55	221.100	27.700	203.000	1.348	-1.048	2.961	3.794	M 271.800	M 220.400
2	16:08:58	220.400	27.270	200.400	1.336	-1.068	3.172	3.650	M 269.200	M 214.100
3	16:10:01	226.900	27.650	199.700	1.325	-1.214	3.057	3.831	M 271.300	M 217.900
x		222.800	27.540	201.000	1.336	-1.110	3.063	3.758	M 270.800	M 217.400
σ		3.590	0.234	1.755	0.011	0.090	0.105	0.095	M 1.388	M 3.181
%RSD		1.611	0.850	0.873	0.846	8.151	3.436	2.540	M 0.512	M 1.463

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:55	M 236.100	0.569	2.008	1.904	104.332%	3.257	3.611	0.118	-2.318
2	16:08:58	M 232.800	0.529	2.071	1.867	109.193%	3.137	3.432	0.125	-2.031
3	16:10:01	M 234.200	0.550	2.262	2.062	112.932%	3.059	3.373	0.116	-2.217
x		M 234.400	0.549	2.114	1.944	108.819%	3.151	3.472	0.120	-2.189
σ		M 1.673	0.020	0.132	0.104	4.312%	0.100	0.124	0.005	0.146
%RSD		M 0.714	3.627	6.263	5.336	3.963	3.162	3.577	4.120	6.662

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:55	0.099	0.077	-0.006	105.419%	1.180	1.145	27.970	25.870	106.240%
2	16:08:58	0.097	0.040	-0.032	106.314%	1.134	1.101	28.830	26.100	106.808%
3	16:10:01	0.098	0.062	0.020	109.744%	1.108	1.069	27.710	25.160	107.886%
x		0.098	0.060	-0.006	107.159%	1.141	1.105	28.170	25.710	106.978%
σ		0.001	0.018	0.026	2.283%	0.036	0.038	0.585	0.491	0.836%
%RSD		1.409	30.900	449.200	2.130	3.166	3.456	2.075	1.911	0.782

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:55	0.690	0.682	0.274	0.366	0.428	104.886%	0.000	0.732	0.420
2	16:08:58	0.610	0.611	0.268	0.366	0.420	105.298%	0.000	0.700	0.416
3	16:10:01	0.568	0.562	0.272	0.363	0.418	102.877%	0.000	0.688	0.413
x		0.623	0.618	0.271	0.365	0.422	104.354%	0.000	0.707	0.416
σ		0.062	0.060	0.003	0.002	0.005	1.295%	0.000	0.023	0.004
%RSD		9.942	9.781	1.164	0.516	1.207	1.241	0.000	3.225	0.942

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:15:29	94.613%	0.000	0.083	7.577	T 7068.000	T 3579.000	3987.000	3959.000	-9.671
2	16:16:32	96.802%	0.000	0.089	6.511	T 7001.000	T 3533.000	3927.000	3946.000	-9.621
3	16:17:36	95.605%	0.000	0.072	7.142	T 7179.000	T 3617.000	4033.000	4032.000	-9.491
x		95.673%	0.000	0.081	7.076	T 7083.000	T 3576.000	3982.000	3979.000	-9.595
σ		1.096%	0.000	0.009	0.536	T 90.080	T 42.170	53.000	45.890	0.093
%RSD		1.145	0.000	10.510	7.573	T 1.272	T 1.179	1.331	1.153	0.966

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:15:29	T 0.000	T 0.000	TM 52760.000	4357.000	112.065%	0.000	0.585	2.038	4.352
2	16:16:32	T 0.000	T 0.000	TM 52010.000	4403.000	113.135%	0.000	0.496	2.029	3.295
3	16:17:36	T 0.000	T 0.000	TM 53190.000	4352.000	113.668%	0.000	0.483	2.038	2.658
x		T 0.000	T 0.000	TM 52650.000	4371.000	112.956%	0.000	0.521	2.035	3.435
σ		T 0.000	T 0.000	TM 600.500	27.880	0.816%	0.000	0.055	0.005	0.856
%RSD		T 0.000	T 0.000	TM 1.140	0.638	0.723	0.000	10.610	0.239	24.920
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:15:29	72.390	1.818	12.580	1.138	0.374	1.034	2.159	M 135.200	M 110.900
2	16:16:32	73.690	1.794	13.950	1.137	0.386	0.732	2.221	M 136.000	M 109.100
3	16:17:36	72.940	1.807	14.210	1.133	0.389	0.893	2.140	M 135.500	M 109.000
x		73.010	1.806	13.580	1.136	0.383	0.886	2.173	M 135.600	M 109.700
σ		0.654	0.012	0.879	0.003	0.008	0.151	0.042	M 0.397	M 1.065
%RSD		0.896	0.670	6.471	0.233	2.074	17.040	1.942	M 0.293	M 0.971
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:15:29	M 119.000	0.407	1.942	1.686	109.036%	2.235	2.614	0.104	-2.056
2	16:16:32	M 119.000	0.398	2.193	1.604	108.721%	2.247	2.582	0.100	-1.874
3	16:17:36	M 116.700	0.425	2.241	1.865	108.954%	2.161	2.556	0.100	-2.292
x		M 118.200	0.410	2.125	1.718	108.903%	2.214	2.584	0.102	-2.074
σ		M 1.327	0.014	0.161	0.133	0.164%	0.047	0.029	0.002	0.210
%RSD		M 1.122	3.404	7.560	7.753	0.150	2.113	1.123	2.300	10.110
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:15:29	0.081	0.027	-0.063	107.520%	1.045	1.004	8.272	5.503	108.113%
2	16:16:32	0.079	0.009	-0.057	109.007%	1.030	0.992	8.180	5.410	105.194%
3	16:17:36	0.080	0.046	-0.033	105.764%	1.022	0.984	8.225	5.466	103.256%
x		0.080	0.027	-0.051	107.430%	1.032	0.993	8.226	5.460	105.521%
σ		0.001	0.018	0.016	1.623%	0.011	0.010	0.046	0.047	2.445%
%RSD		1.264	67.190	31.700	1.511	1.106	1.029	0.560	0.853	2.317
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:15:29	0.528	0.483	0.259	0.351	0.261	104.252%	0.000	0.671	0.394
2	16:16:32	0.483	0.452	0.256	0.352	0.263	100.813%	0.000	0.662	0.394
3	16:17:36	0.460	0.434	0.257	0.350	0.259	99.389%	0.000	0.660	0.394
x		0.490	0.456	0.257	0.351	0.261	101.485%	0.000	0.664	0.394
σ		0.034	0.025	0.002	0.001	0.002	2.500%	0.000	0.006	0.000
%RSD		7.007	5.389	0.621	0.174	0.700	2.464	0.000	0.933	0.081

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:23:04	90.175%	0.000	0.160	808.300	T 4538.000	T 5089.000	T 5027.000	T 5007.000	T 1685.000
2	16:24:07	88.805%	0.000	0.169	840.900	T 4717.000	T 5218.000	T 5215.000	T 5155.000	T 1635.000
3	16:25:10	89.840%	0.000	0.191	840.100	T 4673.000	T 5194.000	T 5197.000	T 5134.000	T 1641.000
x		89.607%	0.000	0.173	829.800	T 4642.000	T 5167.000	T 5146.000	T 5099.000	T 1654.000
σ		0.714%	0.000	0.016	18.600	T 93.290	T 68.750	T 103.700	T 80.150	T 27.080
%RSD		0.797	0.000	8.997	2.242	T 2.009	T 1.331	T 2.016	T 1.572	T 1.638

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:23:04	0.000	T 0.000	T 12330.000	TM 40970.000	101.044%	0.000	4.217	4.231	5.453
2	16:24:07	0.000	T 0.000	T 12640.000	TM 40290.000	104.481%	0.000	4.186	3.825	2.981
3	16:25:10	0.000	T 0.000	T 12520.000	TM 40620.000	105.230%	0.000	3.931	3.698	1.908
x		0.000	T 0.000	T 12490.000	TM 40630.000	103.585%	0.000	4.111	3.918	3.447
σ		0.000	T 0.000	T 154.100	TM 337.800	2.232%	0.000	0.157	0.278	1.818
%RSD		0.000	T 0.000	T 1.234	TM 0.831	2.155	0.000	3.814	7.099	52.750

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:23:04	4462.000	TM 685.500	T 4521.000	2.770	3.403	5.884	8.664	50.210	42.930
2	16:24:07	4289.000	TM 657.800	T 4366.000	2.735	3.219	4.728	8.310	48.150	41.930
3	16:25:10	4317.000	TM 663.800	T 4354.000	2.722	3.285	5.270	8.269	47.890	40.870
x		4356.000	TM 669.000	T 4414.000	2.742	3.302	5.294	8.414	48.750	41.910
σ		92.710	TM 14.550	T 93.410	0.025	0.093	0.578	0.218	1.270	1.026
%RSD		2.128	TM 2.175	T 2.116	0.911	2.821	10.930	2.584	2.606	2.449

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:23:04	44.960	4.280	0.817	0.801	106.169%	3.157	3.491	0.124	-2.461
2	16:24:07	43.640	4.182	0.772	0.786	109.829%	3.079	3.457	0.122	-2.571
3	16:25:10	43.640	4.435	1.067	0.870	106.737%	3.166	3.459	0.119	-2.299
x		44.080	4.299	0.885	0.819	107.579%	3.134	3.469	0.122	-2.444
σ		0.763	0.128	0.159	0.045	1.970%	0.048	0.019	0.002	0.137
%RSD		1.731	2.977	17.960	5.473	1.831	1.521	0.550	1.994	5.606

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:23:04	0.094	0.290	0.220	100.900%	1.284	1.257	117.800	116.700	100.452%
2	16:24:07	0.097	0.293	0.252	102.234%	1.272	1.230	116.400	116.100	100.466%
3	16:25:10	0.101	0.261	0.227	102.048%	1.261	1.223	116.600	116.400	102.803%
x		0.097	0.281	0.233	101.728%	1.272	1.236	116.900	116.400	101.240%
σ		0.004	0.018	0.017	0.723%	0.011	0.018	0.773	0.273	1.353%
%RSD		3.669	6.261	7.265	0.710	0.903	1.440	0.661	0.235	1.337

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:23:04	0.581	0.562	0.331	0.426	13.300	98.821%	0.000	1.080	1.162
2	16:24:07	0.545	0.501	0.334	0.429	13.260	97.885%	0.000	1.088	1.133
3	16:25:10	0.545	0.517	0.330	0.427	13.290	97.515%	0.000	1.089	1.152
x		0.557	0.527	0.332	0.427	13.280	98.074%	0.000	1.086	1.149
σ		0.021	0.032	0.002	0.001	0.021	0.674%	0.000	0.005	0.015
%RSD		3.734	6.037	0.512	0.345	0.154	0.687	0.000	0.445	1.308

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:38	90.310%	0.000	0.096	31.580	T 7840.000	T 3232.000	3601.000	3630.000	174.100
2	16:31:42	91.760%	0.000	0.091	29.490	T 7916.000	T 3264.000	3637.000	3630.000	173.500
3	16:32:45	90.416%	0.000	0.108	29.090	T 8153.000	T 3319.000	3699.000	3703.000	171.200
x		90.828%	0.000	0.098	30.050	T 7970.000	T 3272.000	3646.000	3654.000	172.900
σ		0.808%	0.000	0.008	1.339	T 163.100	T 44.090	49.400	42.000	1.546
%RSD		0.890	0.000	8.650	4.455	T 2.046	T 1.348	1.355	1.149	0.894

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:30:38	0.000	T 0.000	TM 44260.000	11380.000	100.842%	0.000	0.827	1.547	3.331
2	16:31:42	0.000	T 0.000	TM 44110.000	11350.000	103.025%	0.000	0.928	1.596	2.094
3	16:32:45	0.000	T 0.000	TM 45840.000	11280.000	105.333%	0.000	0.822	1.529	1.632
x		0.000	T 0.000	TM 44740.000	11340.000	103.067%	0.000	0.859	1.557	2.352
σ		0.000	T 0.000	TM 955.200	50.860	2.246%	0.000	0.060	0.034	0.879
%RSD		0.000	T 0.000	TM 2.135	0.449	2.179	0.000	6.976	2.211	37.360
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:30:38	775.900	44.290	T 775.200	1.456	0.495	1.217	3.675	25.810	20.840
2	16:31:42	782.400	44.700	T 780.700	1.469	0.532	1.201	3.746	25.950	21.500
3	16:32:45	778.800	44.310	T 773.400	1.427	0.423	1.221	3.797	25.580	20.880
x		779.000	44.440	T 776.400	1.450	0.483	1.213	3.739	25.780	21.070
σ		3.239	0.229	T 3.817	0.021	0.055	0.011	0.061	0.188	0.371
%RSD		0.416	0.514	T 0.492	1.478	11.410	0.883	1.640	0.731	1.758
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:30:38	22.630	1.243	1.834	1.707	102.978%	2.906	3.189	0.105	-2.062
2	16:31:42	22.590	1.385	2.388	2.131	102.740%	2.956	3.219	0.103	-2.402
3	16:32:45	22.750	1.385	2.599	2.198	103.331%	2.969	3.191	0.102	-2.276
x		22.660	1.338	2.274	2.012	103.016%	2.944	3.200	0.103	-2.246
σ		0.084	0.082	0.395	0.267	0.297%	0.033	0.017	0.001	0.172
%RSD		0.372	6.114	17.370	13.240	0.288	1.118	0.523	1.410	7.661
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:30:38	0.080	0.101	0.082	101.757%	1.014	0.977	39.210	36.630	99.816%
2	16:31:42	0.082	0.125	0.099	103.152%	1.008	0.974	39.050	37.030	101.482%
3	16:32:45	0.081	0.111	0.071	103.995%	1.001	0.967	38.920	36.510	101.033%
x		0.081	0.112	0.084	102.968%	1.008	0.973	39.060	36.730	100.777%
σ		0.001	0.012	0.014	1.130%	0.006	0.005	0.145	0.274	0.862%
%RSD		1.227	10.830	16.620	1.098	0.607	0.543	0.371	0.746	0.855
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:30:38	0.365	0.361	0.299	0.394	1.622	100.701%	0.000	0.688	0.496
2	16:31:42	0.356	0.320	0.304	0.398	1.655	98.720%	0.000	0.691	0.498
3	16:32:45	0.355	0.324	0.301	0.394	1.641	97.275%	0.000	0.688	0.496
x		0.359	0.335	0.302	0.395	1.640	98.899%	0.000	0.689	0.497
σ		0.006	0.023	0.003	0.003	0.017	1.720%	0.000	0.002	0.001
%RSD		1.601	6.786	0.838	0.660	1.006	1.739	0.000	0.225	0.244

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:13	92.226%	0.000	0.095	9.325	T 1640.000	468.600	693.300	709.600	17.560
2	16:39:17	91.470%	0.000	0.073	9.605	T 1686.000	T 685.400	711.900	736.400	16.770
3	16:40:20	92.619%	0.000	0.077	8.926	T 1658.000	T 685.700	710.600	721.800	16.280
x		92.105%	0.000	0.082	9.285	T 1661.000	T 613.200	705.300	722.600	16.870
σ		0.584%	0.000	0.012	0.342	T 23.560	T 125.200	10.370	13.450	0.648
%RSD		0.634	0.000	14.420	3.678	T 1.418	T 20.420	1.470	1.861	3.842

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:13	0.000	T 0.000	T 8915.000	2034.000	100.474%	0.000	0.372	0.521	4.041
2	16:39:17	0.000	T 0.000	T 9088.000	2052.000	102.943%	0.000	0.344	0.532	2.875
3	16:40:20	0.000	T 0.000	T 9127.000	2051.000	102.986%	0.000	0.406	0.560	2.153
x		0.000	T 0.000	T 9044.000	2045.000	102.134%	0.000	0.374	0.537	3.023
σ		0.000	T 0.000	T 112.600	10.230	1.438%	0.000	0.031	0.020	0.953
%RSD		0.000	T 0.000	T 1.245	0.500	1.408	0.000	8.305	3.779	31.510

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:13	171.700	9.124	166.100	1.179	0.100	0.611	0.734	5.530	4.183
2	16:39:17	168.400	9.096	165.600	1.166	0.062	0.712	0.660	5.508	4.721
3	16:40:20	173.900	9.216	169.100	1.176	0.072	0.731	0.638	5.410	4.792
x		171.300	9.145	167.000	1.174	0.078	0.684	0.677	5.483	4.565
σ		2.750	0.063	1.879	0.007	0.019	0.064	0.050	0.064	0.333
%RSD		1.605	0.687	1.125	0.585	24.850	9.374	7.411	1.169	7.295

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:13	4.675	0.352	0.638	0.549	102.594%	2.130	2.542	0.098	-2.113
2	16:39:17	4.751	0.373	0.933	0.522	102.535%	2.152	2.523	0.099	-2.417
3	16:40:20	4.903	0.387	0.919	0.561	103.833%	2.149	2.500	0.100	-1.983
x		4.777	0.371	0.830	0.544	102.987%	2.144	2.522	0.099	-2.171
σ		0.116	0.018	0.167	0.020	0.733%	0.012	0.021	0.001	0.223
%RSD		2.425	4.742	20.080	3.705	0.712	0.550	0.841	0.851	10.260

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:13	0.078	0.046	0.015	102.659%	0.959	0.921	14.120	11.050	100.116%
2	16:39:17	0.078	0.064	0.032	103.567%	0.959	0.924	13.810	11.020	100.615%
3	16:40:20	0.077	0.031	-0.006	103.993%	0.958	0.920	13.810	11.110	99.356%
x		0.078	0.047	0.013	103.407%	0.958	0.922	13.910	11.060	100.029%
σ		0.000	0.016	0.019	0.681%	0.001	0.002	0.178	0.046	0.634%
%RSD		0.568	34.340	141.100	0.659	0.067	0.231	1.282	0.420	0.634

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:13	0.155	0.130	0.263	0.357	0.496	98.377%	0.000	0.631	0.410
2	16:39:17	0.150	0.137	0.260	0.355	0.497	97.955%	0.000	0.632	0.415
3	16:40:20	0.152	0.141	0.262	0.355	0.498	97.888%	0.000	0.631	0.410
x		0.153	0.136	0.262	0.356	0.497	98.073%	0.000	0.631	0.412
σ		0.002	0.006	0.002	0.001	0.001	0.265%	0.000	0.000	0.002
%RSD		1.570	4.142	0.611	0.258	0.195	0.270	0.000	0.010	0.593

200-2079-A-4-IPDS 10/29/2010 04:44:45 PM

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:45:49	91.445%	0.000	9.571	223.900	T 12620.000	T 8109.000	T 8081.000	T 8121.000	434.900
2	16:46:52	91.716%	0.000	9.410	224.700	T 12600.000	T 8110.000	T 8151.000	T 8176.000	T 520.700
3	16:47:56	91.257%	0.000	9.466	225.100	T 13080.000	T 8410.000	T 8480.000	T 8435.000	T 517.000
x		91.473%	0.000	9.483	224.600	T 12770.000	T 8210.000	T 8237.000	T 8244.000	T 490.900
σ		0.231%	0.000	0.082	0.591	T 266.900	T 173.400	T 213.100	T 167.500	T 48.510
%RSD		0.252	0.000	0.862	0.263	T 2.090	T 2.112	T 2.587	T 2.031	T 9.882

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:45:49	0.000	T 0.000	TM 47880.000	T 14400.000	101.662%	0.000	17.820	18.670	3.557
2	16:46:52	0.000	T 0.000	TM 48400.000	T 14630.000	102.103%	0.000	18.010	18.820	2.529
3	16:47:56	0.000	T 0.000	TM 49690.000	T 14600.000	104.955%	0.000	18.130	18.770	1.603
x		0.000	T 0.000	TM 48660.000	T 14550.000	102.907%	0.000	17.990	18.750	2.563
σ		0.000	T 0.000	TM 932.500	T 122.700	1.788%	0.000	0.152	0.078	0.978
%RSD		0.000	T 0.000	TM 1.916	T 0.844	1.737	0.000	0.848	0.415	38.140
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:45:49	1620.000	60.910	T 1646.000	42.230	17.510	18.080	20.620	41.760	38.170
2	16:46:52	1666.000	62.270	T 1676.000	42.500	17.730	19.200	21.290	43.630	39.490
3	16:47:56	1625.000	60.800	T 1667.000	42.450	17.610	18.110	20.230	41.280	37.620
x		1637.000	61.320	T 1663.000	42.390	17.620	18.460	20.720	42.220	38.430
σ		24.970	0.818	T 15.830	0.144	0.112	0.636	0.537	1.241	0.960
%RSD		1.525	1.334	T 0.952	0.340	0.634	3.448	2.593	2.940	2.497
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:45:49	39.670	9.803	10.010	10.040	102.981%	87.040	86.090	8.701	-1.481
2	16:46:52	40.860	9.782	10.510	10.340	103.824%	87.940	86.390	8.688	-2.036
3	16:47:56	39.230	9.718	11.050	10.730	104.784%	88.930	87.760	8.829	-1.741
x		39.920	9.768	10.520	10.370	103.863%	87.970	86.750	8.739	-1.753
σ		0.841	0.044	0.524	0.347	0.902%	0.947	0.892	0.078	0.278
%RSD		2.107	0.451	4.977	3.348	0.869	1.076	1.029	0.896	15.860
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:45:49	8.735	8.772	8.881	102.696%	18.900	18.820	248.500	249.700	102.210%
2	16:46:52	8.739	8.928	8.878	103.183%	19.340	19.200	244.800	249.400	102.027%
3	16:47:56	8.647	8.629	8.827	104.885%	19.300	19.110	242.600	246.700	101.149%
x		8.707	8.776	8.862	103.588%	19.180	19.040	245.300	248.600	101.796%
σ		0.052	0.149	0.031	1.149%	0.244	0.199	2.987	1.632	0.567%
%RSD		0.596	1.704	0.346	1.109	1.271	1.047	1.218	0.656	0.557
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:45:49	9.413	9.249	8.818	8.539	10.140	102.187%	0.000	9.203	9.065
2	16:46:52	9.238	9.313	8.823	8.719	10.350	101.430%	0.000	9.090	8.819
3	16:47:56	9.419	9.658	8.879	8.709	10.010	101.268%	0.000	9.322	9.088
x		9.356	9.406	8.840	8.656	10.170	101.629%	0.000	9.205	8.991
σ		0.103	0.220	0.034	0.101	0.175	0.490%	0.000	0.116	0.149
%RSD		1.100	2.339	0.382	1.168	1.719	0.482	0.000	1.258	1.660

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:24	90.533%	0.000	0.151	31.820	T 8196.000	T 3316.000	3683.000	3694.000	T 636.200
2	16:54:27	87.950%	0.000	0.137	32.310	T 8531.000	T 3498.000	3862.000	3857.000	T 623.400
3	16:55:31	88.580%	0.000	0.107	31.970	T 8540.000	T 3500.000	3851.000	3835.000	T 623.000
x		89.021%	0.000	0.132	32.030	T 8423.000	T 3438.000	3799.000	3795.000	T 627.500
σ		1.347%	0.000	0.023	0.249	T 195.900	T 105.800	100.300	88.170	T 7.507
%RSD		1.513	0.000	17.290	0.776	T 2.325	T 3.076	2.640	2.323	T 1.196

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:24	0.000	T 0.000	T 23940.000	11100.000	99.360%	0.000	1.946	2.619	2.869
2	16:54:27	0.000	T 0.000	T 24840.000	11160.000	100.242%	0.000	1.972	2.613	1.748
3	16:55:31	0.000	T 0.000	T 24690.000	11170.000	101.179%	0.000	1.904	2.482	1.232
x		0.000	T 0.000	T 24490.000	11150.000	100.260%	0.000	1.941	2.572	1.949
σ		0.000	T 0.000	T 481.300	37.360	0.910%	0.000	0.034	0.077	0.837
%RSD		0.000	T 0.000	T 1.965	0.335	0.907	0.000	1.771	3.008	42.930

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:24	2189.000	64.960	T 2259.000	1.886	1.584	2.636	4.871	58.760	48.200
2	16:54:27	2185.000	64.280	T 2247.000	1.862	1.670	2.514	4.599	57.630	48.410
3	16:55:31	2143.000	63.650	T 2223.000	1.878	1.598	2.360	4.708	57.380	47.130
x		2172.000	64.300	T 2243.000	1.875	1.617	2.503	4.726	57.930	47.920
σ		25.520	0.659	T 18.210	0.012	0.046	0.138	0.137	0.736	0.684
%RSD		1.175	1.025	T 0.812	0.654	2.843	5.515	2.900	1.271	1.427

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:24	51.400	2.756	1.235	1.176	103.717%	2.842	3.078	0.113	-2.187
2	16:54:27	50.860	2.846	1.882	1.423	102.373%	2.816	3.071	0.110	-2.410
3	16:55:31	49.910	2.905	1.927	1.607	102.718%	2.752	3.048	0.108	-2.099
x		50.720	2.836	1.682	1.402	102.936%	2.803	3.066	0.110	-2.232
σ		0.758	0.075	0.387	0.216	0.698%	0.046	0.016	0.002	0.160
%RSD		1.494	2.644	23.010	15.420	0.678	1.655	0.519	2.228	7.180

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:24	0.094	0.266	0.210	101.967%	1.387	1.353	48.600	46.720	98.930%
2	16:54:27	0.086	0.283	0.255	101.990%	1.233	1.196	48.480	46.250	100.082%
3	16:55:31	0.092	0.269	0.206	101.645%	1.173	1.134	48.530	46.300	98.700%
x		0.091	0.273	0.224	101.867%	1.264	1.228	48.540	46.420	99.237%
σ		0.004	0.009	0.027	0.193%	0.111	0.113	0.060	0.259	0.741%
%RSD		4.841	3.424	12.090	0.189	8.741	9.213	0.125	0.559	0.746

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:53:24	0.335	0.343	0.351	0.446	5.736	98.227%	0.000	0.816	0.733
2	16:54:27	0.323	0.308	0.353	0.438	5.613	99.128%	0.000	0.789	0.721
3	16:55:31	0.306	0.295	0.346	0.442	5.677	97.386%	0.000	0.792	0.729
x		0.321	0.315	0.350	0.442	5.675	98.247%	0.000	0.799	0.728
σ		0.015	0.025	0.004	0.004	0.062	0.871%	0.000	0.015	0.006
%RSD		4.595	7.912	1.097	0.829	1.089	0.887	0.000	1.853	0.854

200-2079-A-4-K MS 10/29/2010 04:59:56 PM

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:00	89.551%	0.000	9.140	212.000	T 12690.000	T 7651.000	T 7721.000	T 7673.000	T 889.400
2	17:02:04	89.792%	0.000	9.139	216.300	T 12940.000	T 7879.000	T 7959.000	T 7953.000	T 872.300
3	17:03:07	88.813%	0.000	9.430	219.400	T 13320.000	T 8102.000	T 8192.000	T 8182.000	T 891.200
x		89.386%	0.000	9.237	215.900	T 12980.000	T 7877.000	T 7958.000	T 7936.000	T 884.300
σ		0.510%	0.000	0.168	3.709	T 316.000	T 225.800	T 235.500	T 254.600	T 10.440
%RSD		0.571	0.000	1.814	1.718	T 2.434	T 2.867	T 2.960	T 3.208	T 1.181

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:01:00	0.000	T 0.000	TM 26810.000	T 13800.000	97.038%	0.000	18.750	19.340	2.136
2	17:02:04	0.000	T 0.000	TM 27290.000	15430.000	99.956%	0.000	18.870	19.120	1.365
3	17:03:07	0.000	T 0.000	TM 27760.000	T 13490.000	101.985%	0.000	18.730	19.050	0.845
x		0.000	T 0.000	TM 27290.000	T 14240.000	99.660%	0.000	18.780	19.170	1.449
σ		0.000	T 0.000	TM 474.600	T 1043.000	2.487%	0.000	0.075	0.152	0.649
%RSD		0.000	T 0.000	TM 1.739	T 7.320	2.495	0.000	0.398	0.792	44.820
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:01:00	3176.000	72.100	T 3234.000	43.330	18.720	20.110	22.280	62.640	54.350
2	17:02:04	3158.000	71.370	T 3188.000	42.470	18.330	19.030	21.690	61.170	53.390
3	17:03:07	3086.000	70.110	T 3171.000	42.390	18.550	19.250	21.890	61.320	54.470
x		3140.000	71.190	T 3198.000	42.730	18.530	19.460	21.950	61.710	54.070
σ		47.870	1.006	T 33.020	0.521	0.198	0.568	0.299	0.806	0.595
%RSD		1.524	1.413	T 1.033	1.220	1.068	2.921	1.364	1.306	1.101
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:01:00	57.960	10.900	10.130	9.669	100.992%	87.010	85.830	8.793	-2.102
2	17:02:04	57.470	11.150	10.380	10.270	102.602%	85.800	84.700	8.699	-1.529
3	17:03:07	55.650	11.170	10.760	10.430	102.581%	86.200	86.380	8.643	-1.214
x		57.030	11.070	10.420	10.120	102.059%	86.340	85.640	8.711	-1.615
σ		1.215	0.148	0.319	0.402	0.923%	0.617	0.855	0.076	0.450
%RSD		2.131	1.337	3.057	3.969	0.905	0.714	0.999	0.867	27.870
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:01:00	8.691	8.958	8.698	100.520%	18.530	18.710	249.800	258.400	99.180%
2	17:02:04	8.614	9.037	8.650	101.495%	18.550	18.500	249.800	252.200	97.366%
3	17:03:07	8.684	8.729	8.750	102.043%	18.490	18.540	249.800	252.000	98.947%
x		8.663	8.908	8.699	101.353%	18.520	18.580	249.800	254.200	98.498%
σ		0.043	0.160	0.050	0.772%	0.029	0.108	0.018	3.646	0.987%
%RSD		0.492	1.795	0.579	0.761	0.155	0.584	0.007	1.434	1.002
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:01:00	8.998	8.977	8.469	8.458	12.940	100.350%	0.000	6.760	8.937
2	17:02:04	8.979	9.016	8.787	8.695	13.270	98.141%	0.000	6.956	9.235
3	17:03:07	9.053	9.017	8.861	8.806	13.070	98.161%	0.000	6.915	9.206
x		9.010	9.003	8.706	8.653	13.090	98.884%	0.000	6.877	9.126
σ		0.039	0.023	0.208	0.178	0.165	1.270%	0.000	0.103	0.164
%RSD		0.429	0.254	2.394	2.056	1.260	1.284	0.000	1.499	1.797

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:36	90.260%	0.000	10.520	212.000	T 5619.000	T 5561.000	T 5541.000	T 5489.000	439.900
2	17:09:39	92.758%	0.000	10.410	207.800	T 5524.000	T 5406.000	T 5403.000	T 5428.000	454.900
3	17:10:42	91.246%	0.000	10.690	217.300	T 5754.000	T 5680.000	T 5661.000	T 5628.000	448.400
x		91.421%	0.000	105.409%	106.180%	T 112.641%	T 5549.000	T 110.700%	T 110.297%	111.940%
σ		1.258%	0.000	n/a	n/a	T n/a	T 137.500	T n/a	T n/a	n/a
%RSD		1.376	0.000	1.368	2.224	T 2.050	T 2.478	T 2.330	T 1.856	1.686

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:36	0.000	T 0.000	T 5812.000	5430.000	99.637%	0.000	19.110	19.110	2.195
2	17:09:39	0.000	T 0.000	T 5715.000	5486.000	98.864%	0.000	19.650	19.990	1.430
3	17:10:42	0.000	T 0.000	T 5882.000	5406.000	101.393%	0.000	19.140	19.350	1.173
x		0.000	T 0.000	T 116.059%	108.813%	99.965%	0.000	96.506%	97.415%	1.599
σ		0.000	T 0.000	T n/a	n/a	1.296%	0.000	n/a	n/a	0.531
%RSD		0.000	T 0.000	T 1.447	0.752	1.297	0.000	1.579	2.340	33.230

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:36	975.400	19.410	T 1016.000	47.060	19.470	19.200	19.240	19.450	19.270
2	17:09:39	997.500	19.560	T 1020.000	47.600	19.520	19.090	19.790	19.950	19.490
3	17:10:42	972.200	19.610	T 1030.000	47.680	19.770	20.300	19.320	19.790	20.150
x		981.700	97.639%	T 102.214%	94.890%	97.928%	97.657%	97.259%	98.654%	98.186%
σ		13.790	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.405	0.531	T 0.686	0.707	0.819	3.428	1.506	1.281	2.334

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:36	19.560	10.030	10.670	10.450	99.396%	94.400	94.560	9.901	-0.980
2	17:09:39	20.120	9.757	10.560	10.510	101.731%	95.840	95.110	9.960	-0.748
3	17:10:42	20.200	10.030	10.840	10.310	101.386%	97.740	96.840	10.010	-1.569
x		99.800%	99.385%	106.923%	104.236%	100.838%	95.992%	95.500	99.559%	-1.099
σ		n/a	n/a	n/a	n/a	1.260%	n/a	1.191	n/a	0.423
%RSD		1.760	1.580	1.327	0.963	1.250	1.747	1.247	0.531	38.520

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:36	10.030	9.951	9.986	99.081%	16.630	16.470	235.400	238.100	97.284%
2	17:09:39	9.840	9.776	10.010	100.783%	18.800	18.820	233.200	238.800	95.963%
3	17:10:42	10.000	10.110	10.020	101.052%	19.950	20.030	235.500	240.500	97.924%
x		99.551%	99.469%	100.064%	100.305%	92.301%	92.202%	93.884%	95.659%	97.057%
σ		n/a	n/a	n/a	1.068%	n/a	n/a	n/a	n/a	1.000%
%RSD		1.012	1.700	0.184	1.065	9.117	9.819	0.549	0.528	1.030

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:36	9.605	9.565	9.473	9.395	9.446	99.448%	0.000	8.432	9.534
2	17:09:39	9.586	9.561	9.453	9.407	9.416	98.102%	0.000	9.088	9.653
3	17:10:42	9.711	9.576	9.797	9.512	9.599	95.940%	0.000	9.554	9.681
x		96.339%	95.675%	95.742%	94.379%	94.871%	97.830%	0.000	9.025	9.623
σ		n/a	n/a	n/a	n/a	n/a	1.770%	0.000	0.563	0.078
%RSD		0.700	0.084	2.019	0.684	1.035	1.809	0.000	6.243	0.814

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:16:11	93.537%	0.000	0.101	5.093	212.800	61.930	25.790	43.140	-17.760
2	17:17:14	93.944%	0.000	0.099	4.446	197.600	59.720	24.250	41.650	-18.200
3	17:18:18	95.721%	0.000	0.109	4.153	172.800	57.340	22.180	39.060	-18.240
x		94.401%	0.000	0.103	4.564	194.400	59.660	24.080	41.280	-18.070
σ		1.161%	0.000	0.005	0.481	20.170	2.292	1.810	2.065	0.265
%RSD		1.230	0.000	4.990	10.540	10.380	3.842	7.518	5.002	1.465

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:16:11	0.000	↑0.000	242.700	-190.200	98.745%	0.000	0.350	0.325	2.183
2	17:17:14	0.000	↑0.000	226.700	-194.900	101.869%	0.000	0.324	0.309	1.472
3	17:18:18	0.000	↑0.000	204.300	-198.700	100.440%	0.000	0.429	0.309	1.038
x		0.000	↑0.000	224.600	-194.600	100.351%	0.000	0.368	0.314	1.564
σ		0.000	↑0.000	19.320	4.281	1.564%	0.000	0.055	0.009	0.578
%RSD		0.000	↑0.000	8.602	2.200	1.558	0.000	14.890	2.864	36.960
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:16:11	25.310	0.345	4.477	1.183	-0.008	0.665	-0.093	-0.164	0.006
2	17:17:14	24.190	0.323	2.354	1.169	-0.008	0.607	-0.114	-0.171	-0.072
3	17:18:18	24.610	0.312	3.504	1.159	-0.024	0.200	-0.125	-0.135	-0.129
x		24.700	0.327	3.445	1.171	-0.013	0.491	-0.110	-0.157	-0.065
σ		0.564	0.017	1.063	0.012	0.009	0.253	0.016	0.019	0.068
%RSD		2.283	5.105	30.850	1.045	69.870	51.590	14.660	12.110	104.900
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:16:11	-0.044	0.077	0.461	0.125	101.453%	2.504	2.848	0.119	-2.087
2	17:17:14	-0.075	0.021	0.353	0.159	102.100%	2.419	2.738	0.119	-1.906
3	17:18:18	-0.149	0.094	0.481	0.212	102.920%	2.274	2.664	0.110	-2.087
x		-0.090	0.064	0.432	0.165	102.158%	2.399	2.750	0.116	-2.027
σ		0.054	0.038	0.069	0.044	0.735%	0.116	0.092	0.005	0.104
%RSD		60.110	60.130	16.010	26.370	0.720	4.851	3.353	4.526	5.144
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:16:11	0.100	0.042	0.010	102.810%	1.714	1.681	8.068	5.267	97.867%
2	17:17:14	0.089	0.024	-0.005	102.646%	1.537	1.491	7.945	5.169	97.916%
3	17:18:18	0.091	0.034	0.003	102.207%	1.406	1.376	7.913	5.104	96.905%
x		0.094	0.033	0.003	102.554%	1.552	1.516	7.975	5.180	97.563%
σ		0.006	0.009	0.008	0.311%	0.155	0.154	0.082	0.083	0.570%
%RSD		6.312	26.430	294.300	0.304	9.959	10.150	1.022	1.593	0.584
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:16:11	0.220	0.200	0.275	0.361	0.243	99.266%	0.000	0.792	0.409
2	17:17:14	0.199	0.181	0.265	0.357	0.235	97.642%	0.000	0.756	0.408
3	17:18:18	0.175	0.155	0.261	0.355	0.233	96.419%	0.000	0.734	0.404
x		0.198	0.179	0.267	0.358	0.237	97.776%	0.000	0.761	0.407
σ		0.022	0.023	0.007	0.003	0.005	1.428%	0.000	0.029	0.003
%RSD		11.330	12.620	2.684	0.938	2.146	1.461	0.000	3.878	0.626

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:48	92.658%	0.000	0.102	75.150	T 4701.000	T 9640.000	T 9683.000	T 9678.000	422.200
2	17:24:51	93.071%	0.000	0.097	75.750	T 4760.000	T 9835.000	T 9936.000	T 9950.000	419.300
3	17:25:54	92.515%	0.000	0.106	76.450	T 4846.000	T 9978.000	T 10060.000	T 10080.000	421.500
x		92.748%	0.000	0.102	75.780	T 4769.000	T 9818.000	T 9894.000	T 9903.000	421.000
σ		0.289%	0.000	0.005	0.650	T 73.000	T 169.700	T 193.100	T 206.300	1.503
%RSD		0.311	0.000	4.538	0.858	T 1.531	T 1.728	T 1.951	T 2.083	0.357
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:48	0.000	T 0.000	TM 42730.000	TM 35280.000	96.772%	0.000	1.190	3.084	2.217
2	17:24:51	0.000	T 0.000	TM 43680.000	TM 35130.000	100.432%	0.000	1.131	3.011	1.759
3	17:25:54	0.000	T 0.000	TM 44380.000	TM 35000.000	101.719%	0.000	1.154	2.920	1.390
x		0.000	T 0.000	TM 43590.000	TM 35140.000	99.641%	0.000	1.159	3.005	1.789
σ		0.000	T 0.000	TM 828.000	TM 140.500	2.567%	0.000	0.030	0.082	0.414
%RSD		0.000	T 0.000	TM 1.899	TM 0.400	2.576	0.000	2.562	2.724	23.170
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:48	1018.000	M 257.400	T 1049.000	1.648	1.205	2.768	15.520	M 144.600	M 116.900
2	17:24:51	1001.000	M 252.800	T 1030.000	1.650	1.154	2.639	15.250	M 141.000	M 115.000
3	17:25:54	1014.000	M 254.200	T 1025.000	1.658	1.279	2.958	15.110	M 140.600	M 115.500
x		1011.000	M 254.800	T 1035.000	1.652	1.213	2.788	15.290	M 142.000	M 115.800
σ		9.073	M 2.397	T 12.800	0.005	0.063	0.160	0.207	M 2.196	M 0.985
%RSD		0.897	M 0.941	T 1.237	0.296	5.185	5.745	1.357	M 1.546	M 0.851
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:48	M 125.200	0.651	0.866	1.033	101.631%	6.827	7.008	0.116	-2.557
2	17:24:51	M 122.400	0.638	1.555	1.663	103.318%	6.840	7.064	0.111	-1.998
3	17:25:54	M 123.500	0.730	1.974	2.001	103.774%	6.895	7.064	0.108	-2.442
x		M 123.700	0.673	1.465	1.565	102.908%	6.854	7.045	0.112	-2.332
σ		M 1.433	0.050	0.559	0.491	1.129%	0.036	0.032	0.004	0.295
%RSD		M 1.159	7.366	38.170	31.390	1.097	0.528	0.457	3.546	12.660
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:48	0.093	0.220	0.193	101.951%	1.452	1.418	112.400	112.000	102.843%
2	17:24:51	0.089	0.177	0.159	102.856%	1.311	1.268	112.300	112.400	100.921%
3	17:25:54	0.087	0.220	0.186	103.198%	1.239	1.198	113.800	111.600	101.187%
x		0.090	0.206	0.179	102.668%	1.334	1.295	112.800	112.000	101.650%
σ		0.003	0.025	0.018	0.645%	0.108	0.113	0.868	0.385	1.041%
%RSD		3.545	12.060	9.959	0.628	8.123	8.714	0.770	0.343	1.024
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:48	0.374	0.345	0.310	0.396	2.206	103.413%	0.000	0.886	0.428
2	17:24:51	0.362	0.335	0.307	0.399	2.255	101.278%	0.000	0.809	0.430
3	17:25:54	0.334	0.323	0.309	0.398	2.266	99.360%	0.000	0.780	0.430
x		0.357	0.334	0.308	0.398	2.242	101.351%	0.000	0.825	0.430
σ		0.021	0.011	0.001	0.002	0.032	2.027%	0.000	0.055	0.001
%RSD		5.859	3.263	0.464	0.399	1.443	2.000	0.000	6.626	0.290

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:23	93.229%	0.000	0.079	4.226	T 13950.000	T 4818.000	3978.000	T 4765.000	-5.901
2	17:32:27	94.744%	0.000	0.092	3.767	T 14200.000	T 4905.000	T 4914.000	T 4914.000	-5.227
3	17:33:30	95.326%	0.000	0.070	3.778	T 14550.000	T 5074.000	T 5049.000	T 5057.000	-5.282
x		94.433%	0.000	0.080	3.924	T 14230.000	T 4932.000	T 4647.000	T 4912.000	-5.470
σ		1.082%	0.000	0.011	0.262	T 300.600	T 130.400	T 582.900	T 146.100	0.375
%RSD		1.146	0.000	13.710	6.678	T 2.112	T 2.644	T 12.540	T 2.975	6.848
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:31:23	T 0.000	T 0.000	TM 37280.000	TM 101400.000	102.188%	0.000	0.301	3.777	3.929
2	17:32:27	T 0.000	T 0.000	TM 38320.000	TM 103300.000	103.698%	0.000	0.559	3.842	2.035
3	17:33:30	T 0.000	T 0.000	TM 39530.000	TM 102900.000	106.812%	0.000	0.370	3.849	1.729
x		T 0.000	T 0.000	TM 38380.000	TM 102500.000	104.233%	0.000	0.410	3.823	2.565
σ		T 0.000	T 0.000	TM 1129.000	TM 1003.000	2.358%	0.000	0.133	0.040	1.192
%RSD		T 0.000	T 0.000	TM 2.943	TM 0.978	2.262	0.000	32.510	1.043	46.470
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:31:23	233.700	19.250	215.900	1.287	-1.945	2.126	4.456	M 182.400	M 149.500
2	17:32:27	238.900	19.830	219.100	1.276	-1.957	1.709	4.472	M 185.200	M 150.900
3	17:33:30	236.500	19.600	219.500	1.275	-1.952	2.088	4.567	M 183.900	M 147.600
x		236.400	19.560	218.200	1.279	-1.951	1.974	4.498	M 183.800	M 149.300
σ		2.605	0.290	1.955	0.007	0.006	0.231	0.060	M 1.397	M 1.624
%RSD		1.102	1.485	0.896	0.527	0.305	11.680	1.332	M 0.760	M 1.088
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:31:23	M 160.600	0.493	2.638	2.582	104.457%	2.250	2.677	0.103	-1.959
2	17:32:27	M 162.000	0.493	2.961	2.559	105.751%	2.272	2.674	0.103	-2.330
3	17:33:30	M 160.700	0.523	3.211	2.965	106.037%	2.305	2.646	0.103	-2.382
x		M 161.100	0.503	2.937	2.702	105.415%	2.275	2.665	0.103	-2.224
σ		M 0.767	0.017	0.287	0.228	0.842%	0.028	0.017	0.000	0.231
%RSD		M 0.476	3.349	9.780	8.441	0.798	1.213	0.637	0.061	10.380
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:31:23	0.083	0.017	-0.006	104.275%	1.045	1.006	19.680	17.000	103.334%
2	17:32:27	0.081	0.054	0.005	105.209%	1.021	0.984	19.970	17.330	103.133%
3	17:33:30	0.079	0.055	-0.036	106.474%	1.010	0.973	20.030	17.330	101.909%
x		0.081	0.042	-0.012	105.319%	1.025	0.988	19.890	17.220	102.792%
σ		0.002	0.022	0.021	1.104%	0.018	0.017	0.187	0.188	0.771%
%RSD		1.995	51.410	174.200	1.048	1.738	1.691	0.942	1.092	0.750
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:31:23	0.306	0.295	0.254	0.349	0.329	102.613%	0.000	0.655	0.400
2	17:32:27	0.292	0.273	0.255	0.349	0.326	100.983%	0.000	0.645	0.401
3	17:33:30	0.285	0.271	0.256	0.350	0.328	101.500%	0.000	0.643	0.400
x		0.294	0.280	0.255	0.349	0.328	101.699%	0.000	0.648	0.400
σ		0.010	0.013	0.001	0.001	0.001	0.833%	0.000	0.006	0.001
%RSD		3.536	4.792	0.420	0.162	0.408	0.819	0.000	0.980	0.127

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:57	95.094%	0.000	0.081	3.405	T 6260.000	T 3285.000	3630.000	3660.000	-13.350
2	17:40:01	96.375%	0.000	0.085	3.523	T 6280.000	T 3292.000	3679.000	3656.000	-13.500
3	17:41:04	95.883%	0.000	0.074	3.330	T 6367.000	T 3308.000	3692.000	3664.000	-13.280
x		95.784%	0.000	0.080	3.419	T 6302.000	T 3295.000	3667.000	3660.000	-13.380
σ		0.646%	0.000	0.005	0.098	T 56.670	T 11.430	32.420	4.339	0.110
%RSD		0.675	0.000	6.712	2.852	T 0.899	T 0.347	0.884	0.118	0.825
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:57	T 0.000	T 0.000	TM 43270.000	1693.000	105.172%	0.000	0.430	2.344	5.702
2	17:40:01	T 0.000	T 0.000	TM 43030.000	1698.000	105.467%	0.000	0.445	2.291	4.462
3	17:41:04	T 0.000	T 0.000	TM 43990.000	1703.000	106.109%	0.000	0.551	2.330	3.510
x		T 0.000	T 0.000	TM 43430.000	1698.000	105.583%	0.000	0.475	2.322	4.558
σ		T 0.000	T 0.000	TM 501.400	4.852	0.479%	0.000	0.066	0.027	1.099
%RSD		T 0.000	T 0.000	TM 1.154	0.286	0.454	0.000	13.870	1.180	24.120
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:57	73.480	2.245	16.180	1.126	0.710	1.108	2.356	M 132.400	M 106.300
2	17:40:01	74.850	2.295	17.430	1.131	0.585	0.914	2.243	M 131.600	M 105.500
3	17:41:04	73.980	2.271	18.880	1.130	0.607	1.082	2.336	M 129.600	M 107.900
x		74.100	2.270	17.500	1.129	0.634	1.034	2.312	M 131.200	M 106.500
σ		0.692	0.025	1.355	0.003	0.067	0.106	0.060	M 1.473	M 1.211
%RSD		0.934	1.110	7.746	0.264	10.530	10.200	2.606	M 1.123	M 1.137
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:57	M 113.600	0.469	2.285	2.136	107.129%	1.989	2.371	0.098	-2.000
2	17:40:01	M 114.800	0.432	2.485	2.297	106.763%	2.001	2.354	0.098	-2.305
3	17:41:04	M 112.700	0.416	2.628	2.276	107.509%	1.986	2.358	0.101	-2.177
x		M 113.700	0.439	2.466	2.236	107.134%	1.992	2.361	0.099	-2.161
σ		M 1.055	0.027	0.172	0.088	0.373%	0.008	0.009	0.002	0.154
%RSD		M 0.928	6.217	6.994	3.922	0.348	0.393	0.381	1.616	7.105
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:57	0.078	0.017	-0.048	107.465%	0.992	0.956	7.858	5.122	100.962%
2	17:40:01	0.078	0.041	-0.027	106.221%	0.981	0.944	7.900	5.128	100.204%
3	17:41:04	0.077	0.028	-0.027	104.885%	0.978	0.944	7.928	5.126	98.958%
x		0.078	0.028	-0.034	106.190%	0.983	0.948	7.895	5.125	100.041%
σ		0.001	0.012	0.012	1.290%	0.007	0.007	0.035	0.003	1.012%
%RSD		0.733	42.040	36.260	1.215	0.725	0.707	0.449	0.058	1.011
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:57	0.253	0.246	0.253	0.348	0.250	101.948%	0.000	0.639	0.392
2	17:40:01	0.231	0.210	0.252	0.348	0.250	97.482%	0.000	0.636	0.393
3	17:41:04	0.241	0.212	0.253	0.349	0.249	98.943%	0.000	0.636	0.393
x		0.242	0.222	0.253	0.348	0.250	99.458%	0.000	0.637	0.393
σ		0.011	0.020	0.001	0.000	0.001	2.277%	0.000	0.002	0.000
%RSD		4.521	9.066	0.250	0.115	0.258	2.289	0.000	0.278	0.050

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:31	95.237%	0.000	0.083	3.808	T 7806.000	T 3648.000	4049.000	4062.000	-15.370
2	17:47:35	95.538%	0.000	0.089	2.917	T 8067.000	T 3726.000	4102.000	4124.000	-15.340
3	17:48:38	95.340%	0.000	0.085	2.868	T 8043.000	T 3740.000	4196.000	4094.000	-15.460
x		95.372%	0.000	0.086	3.197	T 7972.000	T 3704.000	4116.000	4093.000	-15.390
σ		0.153%	0.000	0.003	0.529	T 144.400	T 49.680	74.630	31.190	0.063
%RSD		0.160	0.000	3.788	16.550	T 1.811	T 1.341	1.813	0.762	0.409
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:31	T 0.000	T 0.000	TM 51310.000	11450.000	105.409%	0.000	0.417	1.890	7.502
2	17:47:35	T 0.000	T 0.000	TM 52620.000	11590.000	106.657%	0.000	0.603	1.899	5.203
3	17:48:38	T 0.000	T 0.000	TM 53150.000	11480.000	107.474%	0.000	0.552	1.900	4.119
x		T 0.000	T 0.000	TM 52360.000	11510.000	106.513%	0.000	0.524	1.896	5.608
σ		T 0.000	T 0.000	TM 943.000	73.800	1.040%	0.000	0.096	0.006	1.727
%RSD		T 0.000	T 0.000	TM 1.801	0.641	0.976	0.000	18.350	0.308	30.800
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:46:31	80.260	3.938	20.120	1.126	0.021	1.131	2.492	M 150.400	M 120.400
2	17:47:35	79.880	3.938	20.960	1.134	0.051	0.882	2.519	M 148.100	M 121.300
3	17:48:38	78.810	4.004	21.070	1.125	0.009	0.688	2.549	M 150.600	M 120.200
x		79.650	3.960	20.720	1.128	0.027	0.900	2.520	M 149.700	M 120.600
σ		0.751	0.038	0.521	0.005	0.022	0.222	0.029	M 1.390	M 0.572
%RSD		0.942	0.954	2.516	0.455	80.190	24.650	1.134	M 0.928	M 0.474
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:46:31	M 131.100	0.281	2.533	2.251	103.888%	1.983	2.344	0.099	-2.035
2	17:47:35	M 130.400	0.311	2.559	2.391	106.582%	1.985	2.354	0.101	-2.282
3	17:48:38	M 131.900	0.364	2.923	2.434	107.222%	1.965	2.346	0.099	-1.762
x		M 131.100	0.319	2.672	2.359	105.897%	1.978	2.348	0.099	-2.027
σ		M 0.736	0.042	0.218	0.096	1.769%	0.011	0.006	0.001	0.260
%RSD		M 0.561	13.290	8.166	4.050	1.671	0.545	0.235	1.041	12.840
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:46:31	0.077	0.029	-0.045	106.995%	0.979	0.941	9.512	6.670	101.430%
2	17:47:35	0.076	0.039	-0.014	105.841%	0.970	0.932	9.561	6.783	100.182%
3	17:48:38	0.077	-0.004	-0.042	105.282%	0.968	0.930	9.532	6.761	97.482%
x		0.077	0.021	-0.034	106.039%	0.973	0.935	9.535	6.738	99.698%
σ		0.000	0.022	0.017	0.874%	0.006	0.006	0.025	0.060	2.018%
%RSD		0.360	106.700	49.780	0.824	0.618	0.643	0.259	0.893	2.024
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:46:31	0.248	0.230	0.253	0.349	0.256	98.340%	0.000	0.633	0.393
2	17:47:35	0.242	0.219	0.255	0.349	0.259	95.000%	0.000	0.632	0.393
3	17:48:38	0.234	0.212	0.254	0.348	0.261	94.899%	0.000	0.632	0.393
x		0.241	0.221	0.254	0.349	0.259	96.080%	0.000	0.633	0.393
σ		0.007	0.009	0.001	0.001	0.002	1.958%	0.000	0.000	0.000
%RSD		2.804	3.981	0.329	0.172	0.953	2.038	0.000	0.050	0.042

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:06	94.838%	0.000	0.076	2.715	T 15280.000	T 5442.000	T 5443.000	T 5497.000	-9.631
2	17:55:09	94.474%	0.000	0.079	2.932	T 15790.000	T 5664.000	T 5576.000	T 5580.000	-10.380
3	17:56:12	93.909%	0.000	0.092	3.212	T 16310.000	T 5729.000	T 5728.000	T 5632.000	-9.826
x		94.407%	0.000	0.082	2.953	T 15790.000	T 5612.000	T 5582.000	T 5570.000	-9.947
σ		0.468%	0.000	0.008	0.249	T 518.200	T 150.300	T 142.700	T 68.380	0.391
%RSD		0.496	0.000	10.260	8.432	T 3.281	T 2.678	T 2.556	T 1.228	3.926

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:06	T 0.000	T 0.000	TM 37620.000	TM 148900.000	104.606%	0.000	0.447	9.694	5.267
2	17:55:09	T 0.000	T 0.000	TM 39040.000	TM 149200.000	108.786%	0.000	0.409	9.327	3.247
3	17:56:12	T 0.000	T 0.000	TM 39010.000	TM 149500.000	107.784%	0.000	0.331	9.502	2.586
x		T 0.000	T 0.000	TM 38560.000	TM 149200.000	107.059%	0.000	0.396	9.508	3.700
σ		T 0.000	T 0.000	TM 815.500	TM 325.400	2.182%	0.000	0.060	0.184	1.397
%RSD		T 0.000	T 0.000	TM 2.115	TM 0.218	2.038	0.000	15.040	1.932	37.740

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:06	221.300	23.830	195.200	1.304	-0.156	5.817	3.196	M 249.300	M 197.700
2	17:55:09	211.500	22.490	186.600	1.309	-0.320	4.779	3.015	M 239.700	M 190.800
3	17:56:12	220.900	23.240	189.600	1.307	-0.429	5.350	3.046	M 247.500	M 195.600
x		217.900	23.180	190.500	1.307	-0.302	5.315	3.086	M 245.500	M 194.700
σ		5.570	0.673	4.381	0.003	0.138	0.520	0.097	M 5.082	M 3.527
%RSD		2.557	2.904	2.300	0.204	45.510	9.775	3.137	M 2.070	M 1.811

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:06	M 216.300	0.313	2.228	1.873	105.870%	2.539	2.906	0.100	-2.335
2	17:55:09	M 209.300	0.416	2.764	2.088	105.653%	2.500	2.889	0.102	-1.987
3	17:56:12	M 209.700	0.386	2.625	2.235	107.454%	2.528	2.858	0.100	-2.340
x		M 211.800	0.372	2.539	2.065	106.326%	2.522	2.884	0.101	-2.221
σ		M 3.940	0.053	0.278	0.182	0.983%	0.020	0.025	0.001	0.202
%RSD		M 1.861	14.240	10.950	8.809	0.925	0.791	0.858	1.155	9.099

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:06	0.078	0.059	0.042	105.844%	0.968	0.934	30.120	28.250	100.006%
2	17:55:09	0.079	0.033	-0.024	104.292%	0.963	0.931	31.280	28.710	98.775%
3	17:56:12	0.079	0.055	-0.004	102.979%	0.964	0.935	31.310	28.410	95.134%
x		0.079	0.049	0.005	104.372%	0.965	0.933	30.900	28.460	97.972%
σ		0.000	0.014	0.034	1.434%	0.003	0.002	0.679	0.233	2.533%
%RSD		0.390	28.590	706.600	1.374	0.286	0.231	2.198	0.820	2.586

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:06	0.283	0.254	0.252	0.348	0.384	97.409%	0.000	0.634	0.403
2	17:55:09	0.268	0.249	0.251	0.346	0.385	91.501%	0.000	0.634	0.402
3	17:56:12	0.273	0.242	0.251	0.347	0.389	86.889%	0.000	0.631	0.401
x		0.275	0.249	0.252	0.347	0.386	91.933%	0.000	0.633	0.402
σ		0.008	0.006	0.001	0.001	0.002	5.273%	0.000	0.002	0.001
%RSD		2.868	2.427	0.212	0.267	0.623	5.736	0.000	0.309	0.199

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:40	94.375%	0.000	0.074	3.521	T 12480.000	T 4917.000	T 4931.000	T 4895.000	-8.932
2	18:02:43	93.735%	0.000	0.075	3.696	T 12930.000	T 5035.000	T 4968.000	T 5007.000	-9.102
3	18:03:47	94.355%	0.000	0.079	3.950	T 12930.000	T 5085.000	T 5016.000	T 5042.000	-8.388
x		94.155%	0.000	0.076	3.722	T 12780.000	T 5012.000	T 4972.000	T 4981.000	-8.807
σ		0.364%	0.000	0.002	0.216	T 259.200	T 86.550	T 42.450	T 76.470	0.373
%RSD		0.386	0.000	3.266	5.791	T 2.028	T 1.727	T 0.854	T 1.535	4.232

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:40	T 0.000	0.000	TM 38570.000	TM 108300.000	107.119%	0.000	0.523	5.446	5.607
2	18:02:43	T 0.000	0.000	TM 39480.000	TM 110200.000	109.193%	0.000	0.404	5.261	3.796
3	18:03:47	T 0.000	0.000	TM 39580.000	TM 110800.000	108.050%	0.000	0.425	5.357	2.826
x		T 0.000	0.000	TM 39210.000	TM 109800.000	108.121%	0.000	0.451	5.355	4.076
σ		T 0.000	0.000	TM 558.400	TM 1273.000	1.039%	0.000	0.064	0.093	1.411
%RSD		T 0.000	0.000	TM 1.424	TM 1.159	0.961	0.000	14.120	1.732	34.620
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:01:40	173.400	21.380	139.800	1.238	-1.517	2.192	3.049	M 191.300	M 154.800
2	18:02:43	172.100	21.380	139.200	1.232	-1.618	2.512	2.943	M 185.500	M 149.300
3	18:03:47	171.400	21.160	139.700	1.234	-1.526	2.520	2.876	M 189.900	M 151.600
x		172.300	21.310	139.600	1.235	-1.554	2.408	2.956	M 188.900	M 151.900
σ		1.029	0.126	0.352	0.003	0.056	0.187	0.087	M 3.051	M 2.793
%RSD		0.597	0.593	0.252	0.279	3.591	7.770	2.940	M 1.615	M 1.838
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:01:40	M 165.700	0.299	2.281	1.731	104.400%	2.215	2.571	0.100	-1.801
2	18:02:43	M 162.300	0.463	2.430	1.915	104.795%	2.219	2.596	0.100	-2.179
3	18:03:47	M 164.700	0.449	2.759	2.028	103.495%	2.216	2.589	0.102	-2.035
x		M 164.200	0.404	2.490	1.891	104.230%	2.217	2.586	0.101	-2.005
σ		M 1.710	0.091	0.244	0.150	0.666%	0.002	0.013	0.001	0.191
%RSD		M 1.041	22.560	9.816	7.915	0.639	0.094	0.494	1.224	9.510
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:01:40	0.078	0.000	-0.047	103.555%	0.962	0.928	24.590	22.110	98.574%
2	18:02:43	0.079	0.040	0.004	100.889%	0.958	0.920	24.770	22.320	95.215%
3	18:03:47	0.080	0.024	-0.027	102.222%	0.953	0.919	24.460	21.700	91.603%
x		0.079	0.021	-0.024	102.222%	0.958	0.922	24.610	22.040	95.131%
σ		0.001	0.020	0.025	1.333%	0.005	0.005	0.156	0.313	3.486%
%RSD		1.358	92.980	107.800	1.304	0.520	0.518	0.632	1.421	3.665
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:01:40	0.243	0.217	0.252	0.347	0.326	95.250%	0.000	0.632	0.398
2	18:02:43	0.232	0.221	0.253	0.349	0.325	89.028%	0.000	0.628	0.397
3	18:03:47	0.236	0.212	0.254	0.350	0.333	85.615%	0.000	0.630	0.397
x		0.237	0.217	0.253	0.349	0.328	89.964%	0.000	0.630	0.398
σ		0.005	0.005	0.001	0.001	0.005	4.886%	0.000	0.002	0.000
%RSD		2.172	2.132	0.398	0.332	1.421	5.431	0.000	0.253	0.077

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:09:14	94.737%	0.000	0.085	2.460	T 14120.000	T 5533.000	T 5557.000	T 5527.000	-9.446
2	18:10:17	93.072%	0.000	0.097	2.010	T 14630.000	T 5767.000	T 5791.000	T 5737.000	-9.654
3	18:11:21	92.286%	0.000	0.075	2.285	T 14610.000	T 5780.000	T 5766.000	T 5817.000	-9.429
x		93.365%	0.000	0.086	2.252	T 14450.000	T 5693.000	T 5705.000	T 5694.000	-9.510
σ		1.251%	0.000	0.011	0.227	T 290.000	T 139.100	T 128.500	T 149.700	0.125
%RSD		1.340	0.000	12.820	10.060	T 2.007	T 2.444	T 2.252	T 2.630	1.316

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:09:14	T 0.000	0.000	TM 36660.000	TM 143400.000	104.258%	0.000	0.243	7.200	6.056
2	18:10:17	T 0.000	0.000	TM 38010.000	TM 144000.000	106.021%	0.000	0.461	7.074	3.765
3	18:11:21	T 0.000	0.000	TM 39020.000	TM 149900.000	104.300%	0.000	0.449	7.172	2.718
x		T 0.000	0.000	TM 37900.000	TM 145800.000	104.859%	0.000	0.384	7.149	4.179
σ		T 0.000	0.000	TM 1187.000	TM 3617.000	1.006%	0.000	0.123	0.066	1.707
%RSD		T 0.000	0.000	TM 3.133	TM 2.481	0.959	0.000	31.930	0.927	40.850

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:09:14	212.100	27.050	187.100	1.260	-1.619	3.791	3.401	M 264.200	M 212.900
2	18:10:17	207.600	27.340	186.500	1.265	-1.614	3.189	3.216	M 260.200	M 208.400
3	18:11:21	214.200	27.400	189.500	1.272	-1.821	3.907	3.299	M 267.800	M 212.100
x		211.300	27.260	187.700	1.266	-1.685	3.629	3.305	M 264.100	M 211.100
σ		3.350	0.188	1.562	0.006	0.118	0.385	0.093	M 3.788	M 2.429
%RSD		1.585	0.690	0.832	0.480	7.009	10.620	2.801	M 1.434	M 1.150

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:09:14	M 226.900	0.435	2.061	1.989	105.868%	2.385	2.771	0.101	-2.184
2	18:10:17	M 222.300	0.390	2.391	1.967	104.321%	2.411	2.691	0.103	-2.039
3	18:11:21	M 228.100	0.470	2.625	2.090	103.504%	2.386	2.762	0.102	-2.239
x		M 225.800	0.432	2.359	2.015	104.564%	2.394	2.741	0.102	-2.154
σ		M 3.088	0.041	0.284	0.065	1.200%	0.015	0.044	0.001	0.103
%RSD		M 1.368	9.380	12.030	3.248	1.148	0.623	1.595	1.051	4.785

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:09:14	0.079	0.040	-0.002	102.550%	0.960	0.923	25.270	22.440	95.046%
2	18:10:17	0.079	0.032	-0.018	100.375%	0.956	0.919	24.910	22.690	91.210%
3	18:11:21	0.078	0.039	0.001	99.811%	0.954	0.915	24.360	22.120	88.560%
x		0.079	0.037	-0.006	100.912%	0.956	0.919	24.840	22.420	91.605%
σ		0.000	0.004	0.010	1.446%	0.003	0.004	0.460	0.285	3.261%
%RSD		0.580	10.750	163.500	1.433	0.319	0.434	1.852	1.274	3.560

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:09:14	0.250	0.234	0.254	0.348	0.355	90.435%	0.000	0.629	0.398
2	18:10:17	0.233	0.228	0.252	0.348	0.359	84.488%	0.000	0.629	0.399
3	18:11:21	0.237	0.214	0.254	0.348	0.355	81.749%	0.000	0.632	0.399
x		0.240	0.225	0.253	0.348	0.356	85.557%	0.000	0.630	0.399
σ		0.009	0.010	0.001	0.000	0.002	4.441%	0.000	0.001	0.001
%RSD		3.656	4.369	0.354	0.109	0.653	5.190	0.000	0.206	0.173

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:16:49	97.439%	0.000	0.076	1.028	T 5898.000	T 3369.000	3715.000	3738.000	-6.452
2	18:17:52	94.830%	0.000	0.079	1.314	T 6143.000	T 3506.000	3863.000	3800.000	-6.748
3	18:18:56	93.964%	0.000	0.079	1.733	T 6279.000	T 3576.000	3939.000	3886.000	-6.454
x		95.411%	0.000	0.078	1.358	T 6107.000	T 3483.000	3839.000	3808.000	-6.551
σ		1.809%	0.000	0.002	0.355	T 193.300	T 105.500	114.000	74.310	0.170
%RSD		1.896	0.000	2.291	26.110	T 3.166	T 3.029	2.970	1.952	2.597

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:16:49	T 0.000	0.000	TM 41860.000	12970.000	102.185%	0.000	0.507	2.095	6.028
2	18:17:52	T 0.000	0.000	TM 43400.000	12810.000	105.566%	0.000	0.500	1.951	4.534
3	18:18:56	T 0.000	0.000	TM 43940.000	13420.000	104.780%	0.000	0.500	1.989	3.827
x		T 0.000	0.000	TM 43070.000	13070.000	104.177%	0.000	0.502	2.011	4.797
σ		T 0.000	0.000	TM 1083.000	313.500	1.769%	0.000	0.004	0.075	1.124
%RSD		T 0.000	0.000	TM 2.515	2.399	1.698	0.000	0.785	3.709	23.430
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:16:49	63.690	2.143	4.391	1.119	0.157	1.257	1.650	68.230	56.640
2	18:17:52	59.870	2.111	3.004	1.124	0.163	1.312	1.525	65.960	53.790
3	18:18:56	60.760	2.177	4.656	1.122	0.174	1.317	1.592	67.060	53.790
x		61.440	2.144	4.017	1.122	0.165	1.295	1.589	67.090	54.740
σ		2.001	0.033	0.888	0.002	0.009	0.033	0.063	1.134	1.646
%RSD		3.257	1.524	22.100	0.217	5.430	2.580	3.958	1.690	3.006
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:16:49	58.980	0.153	2.165	1.847	104.351%	1.941	2.312	0.100	-1.995
2	18:17:52	57.740	0.164	2.569	2.027	103.906%	1.946	2.319	0.098	-2.024
3	18:18:56	58.350	0.285	2.639	2.167	103.285%	1.945	2.314	0.101	-2.193
x		58.360	0.201	2.458	2.014	103.847%	1.944	2.315	0.100	-2.071
σ		0.621	0.073	0.256	0.161	0.535%	0.003	0.004	0.001	0.107
%RSD		1.064	36.500	10.420	7.975	0.515	0.157	0.159	1.441	5.156
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:16:49	0.077	0.017	-0.048	102.345%	0.956	0.917	8.739	5.990	95.744%
2	18:17:52	0.077	0.013	-0.005	100.917%	0.950	0.910	8.798	5.923	93.501%
3	18:18:56	0.078	0.035	-0.046	102.451%	0.950	0.912	8.724	5.926	90.605%
x		0.077	0.021	-0.033	101.905%	0.952	0.913	8.754	5.946	93.283%
σ		0.001	0.012	0.025	0.857%	0.003	0.003	0.039	0.038	2.576%
%RSD		0.750	54.910	74.610	0.841	0.364	0.351	0.443	0.636	2.762
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:16:49	0.173	0.154	0.254	0.348	0.260	88.813%	0.000	0.626	0.392
2	18:17:52	0.165	0.145	0.252	0.348	0.261	86.897%	0.000	0.625	0.393
3	18:18:56	0.173	0.150	0.256	0.348	0.255	85.558%	0.000	0.625	0.393
x		0.171	0.150	0.254	0.348	0.259	87.089%	0.000	0.625	0.393
σ		0.004	0.004	0.002	0.000	0.003	1.636%	0.000	0.000	0.000
%RSD		2.621	2.914	0.719	0.076	1.179	1.878	0.000	0.057	0.048

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:24:24	99.410%	0.000	0.077	0.375	T 1192.000	T 698.800	716.100	714.200	-19.740
2	18:25:27	99.965%	0.000	0.075	-0.105	T 1181.000	T 689.100	703.100	720.400	-19.330
3	18:26:30	99.736%	0.000	0.073	0.098	T 1194.000	T 705.700	721.500	737.200	-19.330
x		99.703%	0.000	0.075	0.122	T 1189.000	T 697.900	713.600	723.900	-19.470
σ		0.279%	0.000	0.002	0.241	T 7.158	T 8.336	9.466	11.910	0.237
%RSD		0.280	0.000	2.822	196.700	T 0.602	T 1.194	1.327	1.645	1.216

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:24:24	0.000	0.000	T 8266.000	2279.000	107.821%	0.000	0.228	0.640	6.837
2	18:25:27	0.000	0.000	T 8340.000	2352.000	105.394%	0.000	0.330	0.608	5.285
3	18:26:30	0.000	0.000	T 8433.000	2342.000	106.695%	0.000	0.255	0.596	4.430
x		0.000	0.000	T 8346.000	2324.000	106.637%	0.000	0.271	0.615	5.517
σ		0.000	0.000	T 83.980	39.930	1.215%	0.000	0.053	0.023	1.220
%RSD		0.000	0.000	T 1.006	1.718	1.139	0.000	19.480	3.745	22.120

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:24:24	27.370	0.684	-13.500	1.113	-0.002	0.440	0.228	14.690	12.200
2	18:25:27	28.860	0.719	-12.270	1.106	0.025	0.435	0.306	14.860	12.650
3	18:26:30	28.870	0.710	-12.350	1.106	0.016	0.426	0.277	14.490	12.040
x		28.370	0.705	-12.710	1.109	0.013	0.434	0.270	14.680	12.300
σ		0.861	0.018	0.692	0.004	0.014	0.007	0.040	0.182	0.313
%RSD		3.034	2.586	5.448	0.363	107.800	1.643	14.620	1.238	2.549

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:24:24	12.640	0.008	1.083	0.612	105.432%	1.915	2.291	0.098	-2.028
2	18:25:27	12.860	0.023	0.886	0.495	107.166%	1.923	2.295	0.098	-1.921
3	18:26:30	12.910	0.184	0.891	0.551	106.111%	1.917	2.296	0.098	-2.023
x		12.800	0.072	0.953	0.553	106.236%	1.918	2.294	0.098	-1.991
σ		0.145	0.098	0.113	0.059	0.874%	0.004	0.002	0.000	0.060
%RSD		1.133	136.300	11.800	10.660	0.822	0.224	0.109	0.163	3.035

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:24:24	0.076	0.016	-0.013	103.812%	0.939	0.902	7.836	5.047	93.145%
2	18:25:27	0.078	0.015	-0.018	103.192%	0.937	0.901	7.816	5.057	92.245%
3	18:26:30	0.077	0.020	-0.023	103.058%	0.938	0.901	7.810	5.035	89.398%
x		0.077	0.017	-0.018	103.354%	0.938	0.901	7.821	5.047	91.596%
σ		0.001	0.003	0.005	0.402%	0.001	0.001	0.013	0.011	1.956%
%RSD		1.318	16.050	27.590	0.389	0.114	0.057	0.170	0.219	2.135

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:24:24	0.109	0.088	0.250	0.345	0.234	88.610%	0.000	0.620	0.393
2	18:25:27	0.102	0.088	0.251	0.345	0.235	86.562%	0.000	0.619	0.393
3	18:26:30	0.103	0.094	0.250	0.345	0.231	85.207%	0.000	0.620	0.393
x		0.105	0.090	0.250	0.345	0.233	86.793%	0.000	0.620	0.393
σ		0.003	0.003	0.001	0.000	0.002	1.713%	0.000	0.001	0.000
%RSD		3.193	3.760	0.268	0.085	0.807	1.974	0.000	0.114	0.065

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:31:59	90.117%	0.000	9.778	200.300	T 10710.000	T 8243.000	T 8178.000	T 8269.000	411.000
2	18:33:02	88.779%	0.000	9.555	199.500	T 10940.000	T 8279.000	T 8294.000	T 8330.000	414.300
3	18:34:06	88.750%	0.000	9.688	201.200	T 10990.000	T 8325.000	T 8361.000	T 8320.000	408.700
x		89.215%	0.000	9.674	200.300	T 10880.000	T 8282.000	T 8278.000	T 8306.000	411.300
σ		0.781%	0.000	0.112	0.867	T 150.700	T 41.260	T 92.700	T 32.400	2.777
%RSD		0.876	0.000	1.162	0.433	T 1.385	T 0.498	T 1.120	T 0.390	0.675

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:31:59	T 0.000	0.000	TM 45900.000	T 16480.000	95.387%	0.000	18.550	19.700	14.700
2	18:33:02	T 0.000	0.000	TM 45810.000	T 16590.000	94.433%	0.000	17.640	19.440	11.270
3	18:34:06	T 0.000	0.000	TM 46320.000	T 16700.000	95.080%	0.000	17.790	19.350	8.241
x		T 0.000	0.000	TM 46010.000	T 16590.000	94.967%	0.000	17.990	19.500	11.400
σ		T 0.000	0.000	TM 276.700	T 111.900	0.487%	0.000	0.490	0.181	3.231
%RSD		T 0.000	0.000	TM 0.602	T 0.675	0.513	0.000	2.726	0.930	28.330
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:31:59	928.000	20.140	T 952.800	43.340	17.680	18.640	19.310	85.110	72.550
2	18:33:02	912.700	19.790	T 940.900	42.940	17.490	17.860	19.130	84.180	71.050
3	18:34:06	923.400	20.030	T 945.700	42.800	17.770	18.660	19.040	83.210	70.570
x		921.400	19.990	T 946.500	43.030	17.650	18.390	19.160	84.170	71.390
σ		7.852	0.177	T 6.022	0.284	0.145	0.459	0.138	0.951	1.033
%RSD		0.852	0.888	T 0.636	0.661	0.823	2.495	0.720	1.130	1.447
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:31:59	76.320	8.685	10.520	10.540	96.987%	89.510	88.080	9.014	-0.182
2	18:33:02	75.180	8.955	10.950	10.500	95.418%	90.310	89.260	9.042	-1.420
3	18:34:06	75.710	8.783	11.090	10.400	95.962%	88.800	87.890	9.063	-1.308
x		75.740	8.808	10.850	10.480	96.122%	89.540	88.410	9.040	-0.970
σ		0.570	0.137	0.298	0.075	0.797%	0.758	0.744	0.025	0.685
%RSD		0.752	1.553	2.744	0.714	0.829	0.847	0.841	0.277	70.600
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:31:59	9.065	9.173	8.831	97.216%	19.010	19.080	214.000	215.100	90.411%
2	18:33:02	9.143	9.164	9.143	95.183%	19.680	19.650	216.700	216.100	88.455%
3	18:34:06	8.918	9.088	9.199	95.312%	19.910	19.820	216.600	218.900	89.467%
x		9.042	9.142	9.058	95.904%	19.530	19.520	215.800	216.700	89.444%
σ		0.114	0.047	0.198	1.138%	0.466	0.388	1.534	1.970	0.978%
%RSD		1.264	0.510	2.186	1.187	2.385	1.987	0.711	0.909	1.094
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:31:59	9.435	9.619	8.997	8.776	8.992	89.349%	0.000	9.481	9.178
2	18:33:02	9.370	9.428	9.264	9.239	9.219	85.159%	0.000	9.441	9.203
3	18:34:06	9.264	9.126	9.043	8.907	9.082	87.029%	0.000	9.458	9.060
x		9.357	9.391	9.101	8.974	9.098	87.179%	0.000	9.460	9.147
σ		0.086	0.249	0.142	0.238	0.114	2.099%	0.000	0.020	0.077
%RSD		0.921	2.647	1.564	2.656	1.258	2.408	0.000	0.214	0.838

CCV1 10/29/2010 06:38:31 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:34	96.256%	0.000	10.590	205.000	T 5323.000	T 5264.000	T 5215.000	T 5229.000	433.600
2	18:40:38	97.005%	0.000	10.440	204.000	T 5226.000	T 5185.000	T 5180.000	T 5165.000	448.700
3	18:41:41	96.447%	0.000	10.030	207.900	T 5339.000	T 5305.000	T 5308.000	T 5251.000	450.200
x		96.570%	0.000	103.524%	102.810%	T 105.925%	T 5251.000	T 104.689%	T 104.294%	111.040%
σ		0.389%	0.000	n/a	n/a	T n/a	T 60.950	T n/a	T n/a	n/a
%RSD		0.403	0.000	2.776	0.985	T 1.152	T 1.161	T 1.267	T 0.859	2.070
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:34	0.000	0.000	T 5581.000	5394.000	100.609%	0.000	18.610	18.500	11.270
2	18:40:38	0.000	0.000	T 5556.000	5526.000	98.559%	0.000	19.070	19.590	7.989
3	18:41:41	0.000	0.000	T 5624.000	5523.000	99.335%	0.000	19.330	19.270	5.744
x		0.000	0.000	T 111.744%	109.625%	99.501%	0.000	95.015%	95.602%	8.334
σ		0.000	0.000	T n/a	n/a	1.035%	0.000	n/a	n/a	2.779
%RSD		0.000	0.000	T 0.618	1.380	1.040	0.000	1.934	2.935	33.350
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:34	943.600	18.780	T 986.700	45.730	18.240	19.820	18.450	18.980	19.440
2	18:40:38	981.800	19.340	T 1011.000	45.980	18.820	20.090	19.490	19.690	20.850
3	18:41:41	956.200	19.270	T 1015.000	46.920	19.360	19.110	19.500	19.580	19.270
x		960.600	95.646%	T 100.450%	92.424%	94.022%	98.361%	95.718%	97.086%	99.284%
σ		19.480	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.028	1.602	T 1.545	1.364	2.976	2.580	3.153	1.960	4.358
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:34	18.940	9.332	10.320	9.721	100.452%	93.950	91.600	9.548	-1.717
2	18:40:38	19.380	9.585	10.600	9.829	99.432%	93.840	94.110	9.693	-1.254
3	18:41:41	19.830	9.793	10.710	9.914	99.973%	94.360	93.440	10.180	-1.477
x		96.906%	95.700%	105.420%	98.212%	99.952%	94.050%	93.050	98.072%	-1.483
σ		n/a	n/a	n/a	n/a	0.510%	n/a	1.295	n/a	0.232
%RSD		2.310	2.412	1.876	0.985	0.510	0.289	1.392	3.376	15.630
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:34	9.425	9.609	9.443	99.797%	15.950	15.910	220.500	225.700	90.514%
2	18:40:38	9.773	9.835	9.621	98.782%	18.380	18.290	227.600	230.800	91.738%
3	18:41:41	10.000	10.230	9.837	95.703%	20.090	19.970	235.600	233.500	87.496%
x		97.334%	98.905%	96.338%	98.094%	90.701%	90.294%	91.164%	92.000%	89.916%
σ		n/a	n/a	n/a	2.132%	n/a	n/a	n/a	n/a	2.183%
%RSD		2.991	3.164	2.053	2.173	11.480	11.290	3.316	1.713	2.428
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:34	9.273	8.947	9.347	9.281	9.456	88.289%	0.000	8.042	9.164
2	18:40:38	9.079	9.019	9.315	9.355	9.729	87.379%	0.000	8.671	9.231
3	18:41:41	9.321	9.403	9.672	9.756	9.701	85.805%	0.000	9.182	9.569
x		92.242%	91.232%	94.445%	94.641%	96.287%	87.158%	0.000	8.632	9.321
σ		n/a	n/a	n/a	n/a	n/a	1.257%	0.000	0.571	0.217
%RSD		1.391	2.686	2.089	2.702	1.560	1.442	0.000	6.618	2.326

CCB 1 10/29/2010 06:46:07 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:47:10	98.093%	0.000	0.107	3.674	149.100	62.430	27.060	42.930	-17.990
2	18:48:14	99.034%	0.000	0.079	3.076	132.300	62.250	26.200	43.820	-17.910
3	18:49:17	97.370%	0.000	0.116	2.934	136.500	59.580	23.960	40.940	-18.070
x		98.166%	0.000	0.101	3.228	139.300	61.420	25.740	42.560	-17.990
σ		0.834%	0.000	0.019	0.393	8.750	1.594	1.599	1.475	0.082
%RSD		0.850	0.000	18.910	12.160	6.281	2.596	6.212	3.465	0.456
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:47:10	0.000	0.000	T 218.000	-186.300	99.591%	0.000	0.147	0.372	9.863
2	18:48:14	0.000	0.000	261.700	-185.900	98.688%	0.000	0.297	0.339	7.082
3	18:49:17	0.000	0.000	249.800	-190.700	100.011%	0.000	0.427	0.342	5.353
x		0.000	0.000	T 243.200	-187.600	99.430%	0.000	0.290	0.351	7.433
σ		0.000	0.000	T 22.560	2.685	0.676%	0.000	0.140	0.018	2.275
%RSD		0.000	0.000	T 9.277	1.431	0.680	0.000	48.180	5.131	30.610
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:47:10	25.320	0.332	0.573	1.183	0.037	0.343	-0.104	-0.136	0.215
2	18:48:14	26.160	0.340	1.441	1.187	0.038	0.227	-0.087	-0.113	0.062
3	18:49:17	24.920	0.330	-0.440	1.162	-0.014	0.282	-0.130	-0.154	-0.073
x		25.460	0.334	0.525	1.177	0.020	0.284	-0.107	-0.135	0.068
σ		0.633	0.006	0.942	0.013	0.030	0.058	0.022	0.021	0.144
%RSD		2.485	1.714	179.400	1.112	144.800	20.370	20.200	15.240	212.300
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:47:10	-0.095	0.013	0.516	0.033	100.892%	2.478	2.874	0.123	-2.254
2	18:48:14	-0.032	0.031	0.533	0.172	99.854%	2.441	2.760	0.119	-1.954
3	18:49:17	-0.062	0.047	0.467	0.118	100.334%	2.322	2.668	0.112	-2.070
x		-0.063	0.030	0.505	0.108	100.360%	2.414	2.767	0.118	-2.093
σ		0.032	0.017	0.035	0.070	0.519%	0.082	0.103	0.005	0.152
%RSD		50.210	56.670	6.854	65.020	0.517	3.391	3.732	4.362	7.237
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:47:10	0.099	0.047	0.014	100.141%	1.724	1.679	8.081	5.257	90.310%
2	18:48:14	0.101	0.023	-0.002	99.043%	1.547	1.509	8.070	5.277	90.121%
3	18:49:17	0.090	0.041	-0.002	98.868%	1.427	1.385	8.010	5.150	93.586%
x		0.096	0.037	0.004	99.351%	1.566	1.524	8.054	5.228	91.339%
σ		0.006	0.013	0.009	0.690%	0.149	0.148	0.038	0.068	1.948%
%RSD		6.264	33.630	251.400	0.695	9.541	9.683	0.475	1.306	2.133
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:47:10	0.218	0.205	0.272	0.368	0.236	88.805%	0.000	0.778	0.411
2	18:48:14	0.191	0.184	0.272	0.364	0.238	88.425%	0.000	0.755	0.411
3	18:49:17	0.175	0.167	0.265	0.359	0.230	88.624%	0.000	0.736	0.407
x		0.195	0.185	0.270	0.364	0.235	88.618%	0.000	0.756	0.410
σ		0.022	0.019	0.004	0.005	0.004	0.190%	0.000	0.021	0.002
%RSD		11.200	10.220	1.464	1.307	1.832	0.215	0.000	2.768	0.527

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:46	94.994%	0.000	0.074	2.550	T 5755.000	T 3120.000	3433.000	3449.000	-18.990
2	18:55:50	96.307%	0.000	0.067	2.255	T 5777.000	T 3118.000	3435.000	3438.000	-18.820
3	18:56:53	97.419%	0.000	0.050	2.473	T 5865.000	T 3167.000	3472.000	3493.000	-19.220
x		96.240%	0.000	0.064	2.426	T 5799.000	T 3135.000	3447.000	3460.000	-19.010
σ		1.214%	0.000	0.012	0.153	T 58.070	T 28.030	21.760	29.210	0.204
%RSD		1.261	0.000	19.300	6.314	T 1.001	T 0.894	0.631	0.844	1.072

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:46	T 0.000	0.000	TM 40890.000	1310.000	96.129%	0.000	0.725	1.779	14.540
2	18:55:50	T 0.000	0.000	TM 40980.000	1321.000	98.521%	0.000	0.260	1.740	10.050
3	18:56:53	T 0.000	0.000	TM 41710.000	1323.000	100.260%	0.000	0.493	1.791	7.139
x		T 0.000	0.000	TM 41190.000	1318.000	98.303%	0.000	0.493	1.770	10.580
σ		T 0.000	0.000	TM 448.900	7.316	2.074%	0.000	0.232	0.027	3.731
%RSD		T 0.000	0.000	TM 1.090	0.555	2.110	0.000	47.160	1.505	35.270

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:46	62.280	1.287	11.950	1.116	0.355	0.800	1.765	89.970	72.590
2	18:55:50	64.400	1.324	11.310	1.120	0.289	0.640	1.766	89.530	72.520
3	18:56:53	66.100	1.323	10.560	1.122	0.306	0.596	1.792	90.140	73.800
x		64.260	1.311	11.270	1.119	0.317	0.678	1.775	89.880	72.970
σ		1.914	0.021	0.694	0.003	0.034	0.107	0.015	0.315	0.719
%RSD		2.979	1.621	6.153	0.283	10.740	15.820	0.867	0.350	0.985

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:46	77.780	0.033	1.720	1.711	98.887%	2.056	2.434	0.100	-2.015
2	18:55:50	77.790	0.183	1.932	1.839	101.122%	2.054	2.413	0.100	-1.996
3	18:56:53	76.940	0.165	2.536	2.230	102.113%	2.029	2.385	0.099	-1.963
x		77.510	0.127	2.063	1.927	100.707%	2.047	2.411	0.100	-1.991
σ		0.486	0.082	0.424	0.270	1.653%	0.015	0.024	0.001	0.027
%RSD		0.627	64.390	20.540	14.030	1.641	0.726	1.012	0.645	1.336

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:46	0.080	0.014	-0.032	99.092%	1.347	1.323	7.715	4.900	94.029%
2	18:55:50	0.078	0.023	-0.037	101.247%	1.204	1.173	7.691	4.886	93.595%
3	18:56:53	0.078	0.012	-0.076	98.601%	1.145	1.099	7.679	4.861	92.384%
x		0.079	0.016	-0.048	99.647%	1.232	1.198	7.695	4.882	93.336%
σ		0.001	0.006	0.024	1.407%	0.104	0.114	0.018	0.020	0.853%
%RSD		1.680	34.310	49.840	1.412	8.442	9.542	0.233	0.408	0.914

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:46	0.289	0.284	0.257	0.349	0.235	91.137%	0.000	0.779	0.395
2	18:55:50	0.250	0.247	0.254	0.350	0.230	90.562%	0.000	0.689	0.394
3	18:56:53	0.234	0.240	0.253	0.349	0.234	91.266%	0.000	0.668	0.394
x		0.258	0.257	0.255	0.349	0.233	90.988%	0.000	0.712	0.394
σ		0.028	0.024	0.002	0.000	0.002	0.375%	0.000	0.059	0.001
%RSD		11.060	9.280	0.701	0.138	1.023	0.412	0.000	8.238	0.229

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:02:22	93.701%	0.000	8.837	183.100	T 10420.000	T 7449.000	T 7476.000	T 7346.000	368.700
2	19:03:26	91.037%	0.000	8.967	182.000	T 10680.000	T 7668.000	T 7661.000	T 7568.000	363.300
3	19:04:29	91.200%	0.000	8.863	185.800	T 10710.000	T 7748.000	T 7655.000	T 7728.000	372.800
x		91.980%	0.000	8.889	183.600	T 10600.000	T 7622.000	T 7597.000	T 7547.000	368.300
σ		1.493%	0.000	0.069	1.987	T 157.800	T 155.000	T 105.200	T 191.800	4.773
%RSD		1.623	0.000	0.775	1.082	T 1.488	T 2.034	T 1.385	T 2.541	1.296

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:02:22	T 0.000	0.000	TM 44130.000	6546.000	94.332%	0.000	17.200	18.110	18.530
2	19:03:26	T 0.000	0.000	TM 46570.000	6518.000	95.954%	0.000	16.910	17.640	13.050
3	19:04:29	T 0.000	0.000	TM 46140.000	6704.000	94.968%	0.000	16.750	17.950	9.516
x		T 0.000	0.000	TM 45610.000	6589.000	95.084%	0.000	16.950	17.900	13.700
σ		T 0.000	0.000	TM 1298.000	100.400	0.817%	0.000	0.230	0.239	4.542
%RSD		T 0.000	0.000	TM 2.847	1.524	0.859	0.000	1.356	1.335	33.160
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:02:22	875.800	18.090	T 905.200	40.900	16.490	16.230	18.190	M 112.100	95.060
2	19:03:26	857.100	17.600	T 875.800	40.080	16.280	16.780	17.860	M 107.800	90.620
3	19:04:29	875.600	17.820	T 893.400	40.660	16.230	17.200	18.320	M 111.400	91.780
x		869.500	17.840	T 891.500	40.550	16.330	16.740	18.120	M 110.400	92.490
σ		10.750	0.244	T 14.770	0.421	0.138	0.485	0.237	M 2.290	2.303
%RSD		1.236	1.365	T 1.657	1.039	0.843	2.896	1.309	M 2.075	2.490
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:02:22	99.470	8.092	10.900	10.400	96.904%	82.830	81.920	8.652	-1.411
2	19:03:26	97.490	8.400	11.500	11.110	95.911%	84.540	82.590	8.550	-1.043
3	19:04:29	98.610	8.240	11.890	11.420	96.996%	83.880	83.270	8.584	-0.836
x		98.520	8.244	11.430	10.980	96.604%	83.750	82.600	8.595	-1.097
σ		0.991	0.154	0.496	0.523	0.602%	0.861	0.679	0.052	0.291
%RSD		1.006	1.868	4.341	4.768	0.623	1.028	0.822	0.606	26.550
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:02:22	8.608	8.562	8.489	94.676%	19.210	19.220	204.900	207.500	91.285%
2	19:03:26	8.558	8.392	8.544	95.441%	18.820	18.780	200.000	202.400	91.333%
3	19:04:29	8.458	8.447	8.367	94.783%	19.000	18.870	203.200	206.000	90.551%
x		8.541	8.467	8.467	94.967%	19.010	18.960	202.700	205.300	91.056%
σ		0.076	0.087	0.090	0.414%	0.194	0.230	2.525	2.605	0.438%
%RSD		0.890	1.024	1.067	0.436	1.020	1.215	1.246	1.269	0.481
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:02:22	8.914	9.022	8.578	8.288	8.494	88.078%	0.000	8.858	8.613
2	19:03:26	8.787	8.881	8.612	8.300	8.442	86.613%	0.000	8.761	8.446
3	19:04:29	9.087	8.880	8.475	8.371	8.596	86.375%	0.000	8.640	8.342
x		8.929	8.928	8.555	8.320	8.510	87.022%	0.000	8.753	8.467
σ		0.151	0.082	0.071	0.045	0.079	0.922%	0.000	0.110	0.137
%RSD		1.687	0.919	0.834	0.540	0.923	1.060	0.000	1.251	1.616

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:58	98.668%	0.000	0.069	3.489	T 5870.000	T 3080.000	3437.000	3428.000	-12.260
2	19:11:02	99.178%	0.000	0.086	3.295	T 5977.000	T 3118.000	3442.000	3453.000	-11.980
3	19:12:05	98.009%	0.000	0.073	3.107	T 6129.000	T 3220.000	3514.000	3531.000	-12.250
x		98.618%	0.000	0.076	3.297	T 5992.000	T 3140.000	3465.000	3471.000	-12.160
σ		0.586%	0.000	0.009	0.191	T 130.200	T 72.090	42.870	53.810	0.158
%RSD		0.594	0.000	11.280	5.796	T 2.172	T 2.296	1.237	1.550	1.296
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:58	T 0.000	0.000	TM 39010.000	6417.000	104.333%	0.000	0.495	2.550	13.720
2	19:11:02	T 0.000	0.000	TM 40080.000	6551.000	104.795%	0.000	0.440	2.726	9.367
3	19:12:05	T 0.000	T 0.000	TM 40290.000	6440.000	106.120%	0.000	0.402	2.610	7.227
x		T 0.000	T 0.000	TM 39790.000	6470.000	105.083%	0.000	0.446	2.629	10.100
σ		T 0.000	T 0.000	TM 681.800	71.750	0.928%	0.000	0.046	0.090	3.306
%RSD		T 0.000	T 0.000	TM 1.713	1.109	0.883	0.000	10.400	3.414	32.720
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:58	83.690	2.284	32.550	1.147	0.532	1.113	1.732	M 134.800	M 108.000
2	19:11:02	86.110	2.283	32.420	1.133	0.514	1.011	1.698	M 133.700	M 108.400
3	19:12:05	85.180	2.298	31.240	1.129	0.635	0.721	1.581	M 133.100	M 108.300
x		84.990	2.288	32.070	1.137	0.561	0.948	1.670	M 133.900	M 108.200
σ		1.219	0.008	0.720	0.010	0.066	0.203	0.079	M 0.839	M 0.208
%RSD		1.434	0.367	2.244	0.853	11.690	21.420	4.751	M 0.627	M 0.193
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:58	M 115.600	0.124	2.607	2.268	101.328%	2.093	2.453	0.104	-2.230
2	19:11:02	M 115.000	0.095	3.043	2.324	102.560%	2.039	2.406	0.099	-1.989
3	19:12:05	M 117.000	0.245	3.057	2.498	104.529%	2.040	2.398	0.099	-2.028
x		M 115.900	0.154	2.902	2.363	102.805%	2.057	2.419	0.101	-2.082
σ		M 1.051	0.079	0.256	0.120	1.615%	0.031	0.030	0.003	0.129
%RSD		M 0.907	51.410	8.814	5.076	1.571	1.503	1.240	2.961	6.213
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:58	0.082	0.038	-0.026	101.360%	1.020	0.981	8.411	5.697	94.755%
2	19:11:02	0.082	0.022	-0.023	100.552%	0.997	0.965	8.386	5.612	95.050%
3	19:12:05	0.078	0.021	-0.024	103.355%	0.985	0.945	8.326	5.559	93.379%
x		0.081	0.027	-0.024	101.756%	1.001	0.964	8.374	5.623	94.395%
σ		0.002	0.010	0.001	1.443%	0.018	0.018	0.044	0.070	0.892%
%RSD		2.732	35.370	5.659	1.418	1.790	1.883	0.520	1.237	0.945
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:58	0.227	0.201	0.255	0.350	0.256	89.853%	0.000	0.670	0.398
2	19:11:02	0.216	0.182	0.252	0.349	0.259	91.396%	0.000	0.648	0.395
3	19:12:05	0.203	0.190	0.254	0.349	0.258	87.144%	0.000	0.640	0.394
x		0.215	0.191	0.253	0.349	0.258	89.465%	0.000	0.653	0.395
σ		0.012	0.010	0.002	0.001	0.002	2.152%	0.000	0.015	0.002
%RSD		5.554	5.083	0.643	0.157	0.587	2.406	0.000	2.363	0.479

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:34	106.069%	0.000	0.077	1.913	21.590	46.460	11.150	28.330	-23.440
2	19:18:38	106.750%	0.000	0.093	1.485	12.300	45.580	10.580	27.010	-23.390
3	19:19:41	106.859%	0.000	0.079	1.479	5.763	45.180	10.340	26.930	-23.370
x		106.559%	0.000	0.083	1.626	13.220	45.740	10.690	27.420	-23.400
σ		0.428%	0.000	0.008	0.249	7.955	0.655	0.420	0.789	0.035
%RSD		0.402	0.000	10.090	15.300	60.170	1.431	3.930	2.876	0.151
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:34	0.000	0.000	308.400	-200.000	111.378%	0.000	0.267	0.672	11.630
2	19:18:38	0.000	0.000	T 224.100	-202.400	113.991%	0.000	0.271	0.620	8.328
3	19:19:41	0.000	0.000	T 215.600	-201.100	111.954%	0.000	0.332	0.649	6.615
x		0.000	0.000	T 249.400	-201.200	112.441%	0.000	0.290	0.647	8.858
σ		0.000	0.000	T 51.320	1.229	1.373%	0.000	0.036	0.026	2.550
%RSD		0.000	0.000	T 20.580	0.611	1.221	0.000	12.460	4.014	28.790
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:17:34	81.940	0.665	30.530	1.109	0.053	0.059	-0.169	0.577	0.721
2	19:18:38	78.430	0.627	28.930	1.107	-0.011	-0.067	-0.123	0.490	0.500
3	19:19:41	80.520	0.628	30.570	1.109	0.085	0.225	-0.149	0.570	0.661
x		80.300	0.640	30.010	1.108	0.042	0.072	-0.147	0.545	0.627
σ		1.766	0.022	0.937	0.001	0.049	0.146	0.023	0.048	0.115
%RSD		2.199	3.366	3.121	0.087	114.600	202.600	15.640	8.852	18.280
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:17:34	0.568	-0.006	0.747	0.374	110.289%	1.920	2.287	0.100	-2.289
2	19:18:38	0.468	0.064	1.131	0.114	108.400%	1.912	2.296	0.099	-2.085
3	19:19:41	0.565	-0.001	0.584	0.073	112.441%	1.910	2.275	0.099	-2.259
x		0.534	0.019	0.820	0.187	110.377%	1.914	2.286	0.099	-2.211
σ		0.057	0.039	0.281	0.163	2.022%	0.005	0.010	0.001	0.110
%RSD		10.730	209.400	34.280	87.250	1.832	0.287	0.458	0.919	4.975
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:17:34	0.079	0.039	-0.028	109.526%	0.963	0.926	7.615	4.829	98.457%
2	19:18:38	0.077	0.022	-0.027	108.870%	0.960	0.921	7.627	4.830	99.237%
3	19:19:41	0.079	0.037	-0.021	109.528%	0.958	0.920	7.605	4.822	96.939%
x		0.078	0.033	-0.025	109.308%	0.960	0.922	7.615	4.827	98.211%
σ		0.001	0.010	0.004	0.379%	0.003	0.003	0.011	0.004	1.169%
%RSD		1.445	29.120	15.240	0.347	0.274	0.316	0.144	0.091	1.190
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:17:34	0.172	0.139	0.251	0.345	0.216	92.416%	0.000	0.630	0.393
2	19:18:38	0.163	0.147	0.251	0.345	0.214	92.532%	0.000	0.629	0.393
3	19:19:41	0.161	0.144	0.250	0.345	0.215	92.508%	0.000	0.628	0.392
x		0.166	0.143	0.251	0.345	0.215	92.485%	0.000	0.629	0.393
σ		0.006	0.004	0.001	0.000	0.001	0.061%	0.000	0.001	0.000
%RSD		3.670	2.716	0.323	0.017	0.422	0.066	0.000	0.179	0.035

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:25:09	108.128%	0.000	0.067	1.192	-9.642	44.960	10.090	26.820	-22.650
2	19:26:12	107.111%	0.000	0.085	1.338	-5.817	44.850	9.668	26.340	-22.940
3	19:27:15	107.687%	0.000	0.075	1.548	-13.970	44.710	9.517	26.360	-22.650
x		107.642%	0.000	0.076	1.359	-9.810	44.840	9.757	26.510	-22.750
σ		0.510%	0.000	0.009	0.179	4.079	0.126	0.295	0.272	0.169
%RSD		0.473	0.000	11.610	13.170	41.580	0.280	3.025	1.025	0.741

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:25:09	0.000	0.000	T 179.000	-201.800	110.589%	0.000	0.413	0.679	11.920
2	19:26:12	0.000	0.000	235.500	-201.800	110.855%	0.000	0.362	0.661	8.420
3	19:27:15	0.000	0.000	231.100	-201.200	110.196%	0.000	0.291	0.655	6.880
x		0.000	0.000	T 215.200	-201.600	110.547%	0.000	0.355	0.665	9.075
σ		0.000	0.000	T 31.420	0.352	0.332%	0.000	0.061	0.013	2.585
%RSD		0.000	0.000	T 14.600	0.175	0.300	0.000	17.140	1.882	28.490

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:25:09	43.710	0.444	-15.670	1.104	0.084	-0.104	-0.125	0.550	0.637
2	19:26:12	45.000	0.427	-14.700	1.104	0.066	0.152	-0.103	0.480	0.843
3	19:27:15	46.030	0.446	-14.190	1.104	0.068	0.221	-0.121	0.571	0.628
x		44.910	0.439	-14.850	1.104	0.073	0.090	-0.116	0.534	0.703
σ		1.160	0.010	0.752	0.000	0.010	0.171	0.012	0.047	0.122
%RSD		2.583	2.271	5.067	0.040	13.730	191.200	9.927	8.880	17.310

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:25:09	0.507	-0.024	0.281	0.026	110.992%	1.896	2.272	0.098	-2.215
2	19:26:12	0.498	0.058	0.381	0.198	109.207%	1.894	2.270	0.098	-2.099
3	19:27:15	0.545	0.008	0.281	-0.023	112.500%	1.892	2.258	0.100	-2.437
x		0.517	0.014	0.314	0.067	110.900%	1.894	2.267	0.099	-2.251
σ		0.025	0.042	0.058	0.116	1.648%	0.002	0.008	0.001	0.172
%RSD		4.824	295.800	18.370	172.400	1.486	0.106	0.335	1.128	7.640

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:25:09	0.077	0.031	-0.038	109.046%	0.956	0.920	7.621	4.832	100.464%
2	19:26:12	0.078	0.020	-0.016	109.439%	0.952	0.913	7.605	4.842	100.094%
3	19:27:15	0.076	0.053	-0.026	108.424%	0.953	0.916	7.617	4.830	98.583%
x		0.077	0.034	-0.027	108.970%	0.954	0.916	7.614	4.835	99.714%
σ		0.001	0.017	0.011	0.512%	0.002	0.003	0.009	0.007	0.997%
%RSD		0.705	48.940	41.420	0.470	0.177	0.363	0.113	0.139	0.999

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:25:09	0.177	0.153	0.250	0.345	0.218	95.895%	0.000	0.630	0.392
2	19:26:12	0.174	0.141	0.251	0.345	0.216	96.768%	0.000	0.628	0.392
3	19:27:15	0.158	0.139	0.251	0.345	0.217	95.034%	0.000	0.630	0.392
x		0.170	0.144	0.250	0.345	0.217	95.899%	0.000	0.629	0.392
σ		0.010	0.008	0.001	0.000	0.001	0.867%	0.000	0.001	0.000
%RSD		6.171	5.478	0.241	0.045	0.360	0.904	0.000	0.106	0.019

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:43	97.997%	0.000	0.080	1.839	T 9561.000	T 4369.000	3495.000	T 4391.000	148.300
2	19:33:46	99.278%	0.000	0.073	1.996	T 9643.000	T 4433.000	3549.000	T 4368.000	152.700
3	19:34:50	96.921%	0.000	0.095	1.892	T 9877.000	T 4587.000	3798.000	T 4502.000	153.100
x		98.065%	0.000	0.083	1.909	T 9694.000	T 4463.000	3614.000	T 4420.000	151.400
σ		1.180%	0.000	0.011	0.080	T 163.800	T 112.200	161.500	T 71.980	2.677
%RSD		1.203	0.000	13.590	4.175	T 1.690	T 2.515	4.470	T 1.628	1.769

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:43	T 0.000	0.000	TM 33560.000	TM 102400.000	100.083%	0.000	0.644	10.610	12.040
2	19:33:46	T 0.000	0.000	TM 33970.000	TM 102800.000	100.133%	0.000	0.716	10.610	7.649
3	19:34:50	T 0.000	0.000	TM 35100.000	TM 102000.000	100.502%	0.000	0.929	11.140	5.374
x		T 0.000	0.000	TM 34210.000	TM 102400.000	100.239%	0.000	0.763	10.790	8.355
σ		T 0.000	0.000	TM 799.600	TM 366.400	0.229%	0.000	0.148	0.305	3.390
%RSD		T 0.000	0.000	TM 2.337	TM 0.358	0.228	0.000	19.440	2.825	40.570
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:32:43	439.000	27.080	T 427.700	1.409	1.237	4.730	9.268	M 311.200	M 250.500
2	19:33:46	452.000	27.710	T 427.600	1.389	1.307	5.098	9.116	M 314.000	M 251.400
3	19:34:50	446.800	27.470	T 424.900	1.421	1.143	4.816	9.443	M 325.600	M 258.800
x		446.000	27.420	T 426.700	1.406	1.229	4.881	9.276	M 316.900	M 253.600
σ		6.576	0.318	T 1.612	0.016	0.082	0.193	0.164	M 7.628	M 4.542
%RSD		1.475	1.161	T 0.378	1.165	6.670	3.947	1.764	M 2.407	M 1.791
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:32:43	M 272.100	0.675	3.542	3.580	103.037%	2.350	2.680	0.246	-1.913
2	19:33:46	M 274.500	0.652	3.819	3.738	104.967%	2.312	2.690	0.257	-2.246
3	19:34:50	M 277.900	0.666	4.490	4.314	103.686%	2.319	2.741	0.252	-2.651
x		M 274.900	0.664	3.950	3.877	103.897%	2.327	2.703	0.252	-2.270
σ		M 2.915	0.012	0.487	0.386	0.982%	0.020	0.033	0.006	0.370
%RSD		M 1.060	1.755	12.340	9.964	0.945	0.881	1.207	2.309	16.300
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:32:43	0.230	0.925	0.795	99.491%	0.980	0.947	29.590	27.240	94.851%
2	19:33:46	0.219	0.998	0.806	100.563%	0.974	0.936	29.330	27.030	91.835%
3	19:34:50	0.231	0.902	0.879	98.950%	0.968	0.934	29.490	26.730	92.707%
x		0.227	0.942	0.827	99.668%	0.974	0.939	29.470	27.000	93.131%
σ		0.007	0.050	0.046	0.821%	0.006	0.007	0.134	0.255	1.552%
%RSD		3.028	5.327	5.569	0.823	0.631	0.741	0.454	0.943	1.666
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:32:43	0.282	0.260	0.273	0.364	2.892	91.754%	0.000	0.667	0.399
2	19:33:46	0.271	0.245	0.271	0.364	2.925	88.892%	0.000	0.670	0.400
3	19:34:50	0.264	0.249	0.271	0.363	2.911	85.773%	0.000	0.667	0.401
x		0.272	0.252	0.272	0.364	2.909	88.806%	0.000	0.668	0.400
σ		0.010	0.008	0.001	0.001	0.016	2.992%	0.000	0.002	0.001
%RSD		3.512	3.188	0.398	0.152	0.559	3.369	0.000	0.283	0.208

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:17	101.349%	0.000	0.081	80.310	T 2629.000	T 4679.000	T 4643.000	T 4654.000	126.600
2	19:41:20	99.150%	0.000	0.079	80.320	T 2633.000	T 4670.000	T 4587.000	T 4627.000	126.500
3	19:42:24	99.677%	0.000	0.085	80.080	T 2619.000	T 4685.000	T 4640.000	T 4669.000	126.500
x		100.059%	0.000	0.082	80.240	T 2627.000	T 4678.000	T 4623.000	T 4650.000	126.500
σ		1.148%	0.000	0.003	0.134	T 7.527	T 7.664	T 31.440	T 21.320	0.071
%RSD		1.148	0.000	3.877	0.167	T 0.286	T 0.164	T 0.680	T 0.459	0.056

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:17	0.000	0.000	T 24280.000	TM 35250.000	104.255%	0.000	0.827	3.258	10.860
2	19:41:20	0.000	0.000	T 24410.000	TM 35010.000	102.080%	0.000	0.796	3.122	8.245
3	19:42:24	0.000	0.000	T 24220.000	TM 34870.000	102.081%	0.000	0.717	3.035	6.499
x		0.000	0.000	T 24300.000	TM 35050.000	102.805%	0.000	0.780	3.138	8.536
σ		0.000	0.000	T 96.700	TM 190.600	1.256%	0.000	0.057	0.112	2.197
%RSD		0.000	0.000	T 0.398	TM 0.544	1.221	0.000	7.301	3.570	25.740

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:17	386.300	M 218.800	T 366.700	1.307	0.555	1.690	7.940	60.190	50.760
2	19:41:20	389.900	M 221.800	T 370.200	1.299	0.522	1.786	7.909	60.470	51.570
3	19:42:24	382.200	M 220.100	T 367.500	1.331	0.488	1.948	7.924	59.930	49.530
x		386.100	M 220.200	T 368.100	1.312	0.522	1.808	7.924	60.200	50.620
σ		3.864	M 1.497	T 1.815	0.016	0.034	0.131	0.016	0.266	1.028
%RSD		1.001	M 0.680	T 0.493	1.248	6.450	7.227	0.198	0.442	2.031

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:17	54.410	0.263	1.943	1.510	104.161%	4.305	4.606	0.136	-2.223
2	19:41:20	54.530	0.288	2.574	2.124	104.057%	4.272	4.645	0.141	-2.020
3	19:42:24	53.250	0.351	3.158	2.742	103.532%	4.314	4.705	0.135	-2.316
x		54.060	0.301	2.558	2.125	103.917%	4.297	4.652	0.138	-2.187
σ		0.705	0.045	0.608	0.616	0.337%	0.022	0.050	0.003	0.152
%RSD		1.305	15.080	23.760	28.980	0.324	0.509	1.073	2.365	6.935

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:17	0.117	0.549	0.523	101.620%	1.025	0.990	107.400	105.900	97.360%
2	19:41:20	0.118	0.527	0.508	100.243%	1.021	0.984	106.200	104.400	93.807%
3	19:42:24	0.118	0.592	0.539	101.348%	1.017	0.980	104.300	103.100	93.370%
x		0.118	0.556	0.523	101.071%	1.021	0.984	106.000	104.500	94.846%
σ		0.000	0.033	0.016	0.729%	0.004	0.005	1.563	1.430	2.189%
%RSD		0.300	5.980	2.972	0.722	0.391	0.533	1.475	1.369	2.308

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:40:17	0.239	0.217	0.262	0.355	2.698	92.273%	0.000	0.659	0.401
2	19:41:20	0.246	0.227	0.259	0.354	2.735	91.865%	0.000	0.659	0.403
3	19:42:24	0.240	0.221	0.260	0.354	2.716	89.855%	0.000	0.661	0.401
x		0.241	0.222	0.260	0.354	2.716	91.331%	0.000	0.660	0.402
σ		0.004	0.005	0.001	0.000	0.018	1.295%	0.000	0.001	0.001
%RSD		1.596	2.262	0.530	0.122	0.675	1.418	0.000	0.192	0.283

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:52	91.775%	0.000	0.203	75.640	T 2545.000	T 8265.000	T 8268.000	T 8236.000	TM 2044.000
2	19:48:55	90.543%	0.000	0.203	78.470	T 2634.000	T 8557.000	T 8576.000	T 8544.000	TM 2041.000
3	19:49:59	91.746%	0.000	0.172	75.800	T 2571.000	T 8384.000	T 8409.000	T 8361.000	TM 2068.000
x		91.355%	0.000	0.193	76.640	T 2583.000	T 8402.000	T 8418.000	T 8380.000	TM 2051.000
σ		0.703%	0.000	0.018	1.593	T 45.940	T 146.800	T 154.200	T 155.000	TM 14.650
%RSD		0.770	0.000	9.392	2.079	T 1.778	T 1.748	T 1.832	T 1.850	TM 0.714

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:52	0.000	0.000	TM 57750.000	TM 42690.000	92.210%	0.000	3.157	9.058	15.570
2	19:48:55	0.000	0.000	TM 60200.000	TM 42750.000	93.725%	0.000	3.585	8.945	7.343
3	19:49:59	0.000	T 0.000	TM 59880.000	TM 42780.000	93.015%	0.000	3.507	9.165	4.878
x		0.000	T 0.000	TM 59280.000	TM 42740.000	92.983%	0.000	3.417	9.056	9.265
σ		0.000	T 0.000	TM 1332.000	TM 43.290	0.758%	0.000	0.228	0.110	5.601
%RSD		0.000	T 0.000	TM 2.247	TM 0.101	0.815	0.000	6.668	1.213	60.460
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:47:52	3986.000	M 256.600	T 4060.000	2.780	5.387	6.607	26.800	M 140.500	M 114.700
2	19:48:55	3947.000	M 260.000	T 4094.000	2.809	5.200	6.966	26.470	M 138.600	M 115.100
3	19:49:59	4145.000	M 267.500	T 4198.000	2.831	5.412	6.801	27.640	M 142.500	M 116.000
x		4026.000	M 261.400	T 4117.000	2.806	5.333	6.791	26.970	M 140.500	M 115.300
σ		105.100	M 5.596	T 72.130	0.026	0.116	0.179	0.601	M 1.971	M 0.665
%RSD		2.611	M 2.141	T 1.752	0.915	2.166	2.644	2.228	M 1.403	M 0.577
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:47:52	M 121.900	0.738	1.693	2.646	115.171%	8.381	8.550	0.461	-2.932
2	19:48:55	M 121.700	0.850	2.337	3.133	114.171%	8.406	8.755	0.463	-3.087
3	19:49:59	M 125.200	0.989	2.481	3.256	117.093%	8.490	8.665	0.462	-2.614
x		M 122.900	0.859	2.170	3.011	115.478%	8.426	8.657	0.462	-2.878
σ		M 1.929	0.126	0.420	0.323	1.485%	0.057	0.103	0.001	0.241
%RSD		M 1.569	14.640	19.340	10.710	1.286	0.673	1.189	0.197	8.382
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:47:52	0.411	3.143	2.996	94.503%	1.160	1.117	106.000	106.400	91.755%
2	19:48:55	0.440	3.166	3.100	93.420%	1.157	1.117	109.100	108.300	93.541%
3	19:49:59	0.445	3.069	3.085	95.571%	1.148	1.118	105.300	104.400	89.946%
x		0.432	3.126	3.061	94.498%	1.155	1.117	106.800	106.400	91.747%
σ		0.018	0.051	0.056	1.075%	0.006	0.001	2.050	1.904	1.798%
%RSD		4.220	1.623	1.840	1.138	0.559	0.069	1.919	1.790	1.959
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:47:52	0.361	0.329	0.343	0.434	17.310	89.497%	0.000	1.193	0.464
2	19:48:55	0.356	0.318	0.346	0.436	17.420	89.081%	0.000	1.188	0.461
3	19:49:59	0.364	0.331	0.333	0.442	17.730	88.303%	0.000	1.191	0.468
x		0.361	0.326	0.341	0.437	17.490	88.960%	0.000	1.191	0.464
σ		0.004	0.007	0.007	0.004	0.220	0.606%	0.000	0.002	0.004
%RSD		1.100	2.182	2.004	0.913	1.257	0.681	0.000	0.202	0.786

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:27	91.631%	0.000	0.210	12.760	T 7576.000	T 4224.000	4532.000	4757.000	T 1933.000
2	19:56:30	90.571%	0.000	0.158	12.650	T 7676.000	T 4293.000	4671.000	4732.000	T 1899.000
3	19:57:34	91.556%	0.000	0.186	12.200	T 7591.000	T 4259.000	4464.000	4747.000	T 1912.000
x		91.253%	0.000	0.185	12.540	T 7614.000	T 4259.000	4556.000	4745.000	T 1915.000
σ		0.592%	0.000	0.026	0.296	T 53.910	T 34.430	105.600	12.770	T 16.980
%RSD		0.648	0.000	14.320	2.363	T 0.708	T 0.808	2.317	0.269	T 0.887
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:27	0.000	T 0.000	T 8654.000	T 24550.000	94.988%	0.000	3.117	67.150	7.931
2	19:56:30	0.000	T 0.000	T 8743.000	T 24540.000	95.531%	0.000	3.233	68.030	5.273
3	19:57:34	0.000	T 0.000	T 8768.000	T 24370.000	96.747%	0.000	3.005	67.740	4.318
x		0.000	T 0.000	T 8722.000	T 24490.000	95.755%	0.000	3.119	67.640	5.841
σ		0.000	T 0.000	T 59.660	T 104.300	0.901%	0.000	0.114	0.448	1.872
%RSD		0.000	T 0.000	T 0.684	T 0.426	0.941	0.000	3.659	0.663	32.060
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:27	3317.000	64.670	T 3415.000	3.551	30.340	31.570	98.120	M 882.300	M 690.500
2	19:56:30	3376.000	65.370	T 3456.000	3.627	31.190	32.390	98.580	M 878.500	M 679.800
3	19:57:34	3349.000	64.100	T 3370.000	3.497	30.270	32.130	97.010	M 872.600	M 670.200
x		3347.000	64.710	T 3414.000	3.558	30.600	32.030	97.900	M 877.800	M 680.200
σ		29.430	0.639	T 42.890	0.065	0.510	0.417	0.810	M 4.856	M 10.120
%RSD		0.879	0.988	T 1.256	1.831	1.668	1.302	0.827	M 0.553	M 1.488
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:27	M 763.000	0.242	-3.703	0.440	308.246%	5.962	6.321	4.105	-6.612
2	19:56:30	M 756.400	0.224	-3.572	0.541	312.758%	6.022	6.291	4.021	-6.051
3	19:57:34	M 749.700	0.249	-3.347	0.662	T 302.676%	6.212	6.457	4.207	-7.161
x		M 756.400	0.238	-3.540	0.548	T 307.893%	6.065	6.357	4.111	-6.608
σ		M 6.639	0.013	0.180	0.111	T 5.050%	0.131	0.088	0.093	0.555
%RSD		M 0.878	5.474	5.085	20.260	T 1.640	2.155	1.391	2.261	8.400
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:27	4.015	M 50.640	M 50.900	96.307%	4.903	4.880	78.040	75.830	93.967%
2	19:56:30	3.987	M 50.780	M 50.860	96.240%	4.932	4.883	76.160	74.410	91.024%
3	19:57:34	4.032	M 51.770	M 51.290	94.358%	4.955	4.955	77.770	75.910	91.395%
x		4.011	M 51.070	M 51.020	95.635%	4.930	4.906	77.320	75.380	92.129%
σ		0.023	M 0.615	M 0.235	1.106%	0.026	0.042	1.019	0.843	1.603%
%RSD		0.562	M 1.203	M 0.462	1.157	0.525	0.860	1.318	1.118	1.740
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:55:27	0.315	0.274	0.343	0.446	M 188.000	91.603%	0.000	0.844	0.583
2	19:56:30	0.312	0.286	0.349	0.442	M 182.400	92.955%	0.000	0.834	0.578
3	19:57:34	0.319	0.294	0.349	0.438	M 188.800	91.190%	0.000	0.828	0.592
x		0.315	0.285	0.347	0.442	M 186.400	91.916%	0.000	0.836	0.584
σ		0.003	0.010	0.004	0.004	M 3.507	0.923%	0.000	0.008	0.007
%RSD		1.099	3.527	1.055	0.848	M 1.882	1.005	0.000	0.956	1.204

200-2081-A-5-C 10/29/2010 08:01:59 PM

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:02	97.039%	0.000	0.182	910.900	T 4812.000	T 3465.000	3890.000	3868.000	T 1014.000
2	20:04:06	96.733%	0.000	0.176	924.600	T 4877.000	T 3516.000	3889.000	3863.000	T 1017.000
3	20:05:09	96.430%	0.000	0.155	932.500	T 4886.000	T 3508.000	3926.000	3926.000	T 1029.000
x		96.734%	0.000	0.171	922.600	T 4858.000	T 3496.000	3902.000	3885.000	T 1020.000
σ		0.305%	0.000	0.014	10.920	T 40.100	T 27.090	20.900	34.960	T 7.923
%RSD		0.315	0.000	8.278	1.184	T 0.825	T 0.775	0.536	0.900	T 0.776
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:03:02	0.000	T 0.000	T 13690.000	TM 90580.000	99.589%	0.000	4.049	8.804	4.561
2	20:04:06	0.000	T 0.000	T 13570.000	TM 90520.000	99.013%	0.000	4.117	8.669	3.274
3	20:05:09	0.000	T 0.000	T 13800.000	TM 92150.000	98.834%	0.000	4.103	8.919	2.513
x		0.000	T 0.000	T 13690.000	TM 91080.000	99.145%	0.000	4.090	8.797	3.449
σ		0.000	T 0.000	T 114.500	TM 919.900	0.395%	0.000	0.036	0.125	1.035
%RSD		0.000	T 0.000	T 0.836	TM 1.010	0.398	0.000	0.887	1.418	30.010
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:03:02	2647.000	TM 348.900	T 2730.000	2.819	10.800	13.940	17.520	M 109.400	92.010
2	20:04:06	2657.000	TM 352.800	T 2788.000	2.854	11.000	15.000	17.880	M 109.900	91.970
3	20:05:09	2748.000	TM 353.600	T 2813.000	2.850	11.080	14.640	18.270	M 111.300	93.230
x		2684.000	TM 351.800	T 2777.000	2.841	10.960	14.530	17.890	M 110.200	92.400
σ		55.650	TM 2.488	T 42.340	0.019	0.145	0.541	0.373	M 0.967	0.716
%RSD		2.073	TM 0.707	T 1.525	0.679	1.326	3.724	2.087	M 0.878	0.775
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:03:02	96.170	1.369	-0.910	0.879	151.992%	3.295	3.591	0.518	-3.323
2	20:04:06	98.920	1.479	-0.973	0.843	152.167%	3.257	3.609	0.503	-2.981
3	20:05:09	98.720	1.456	-1.038	0.744	153.497%	3.225	3.566	0.480	-3.124
x		97.940	1.435	-0.974	0.822	152.552%	3.259	3.589	0.500	-3.143
σ		1.534	0.058	0.064	0.070	0.823%	0.035	0.022	0.019	0.172
%RSD		1.566	4.052	6.540	8.516	0.540	1.078	0.602	3.827	5.467
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:03:02	0.482	3.823	3.644	97.978%	1.646	1.615	153.100	153.600	96.363%
2	20:04:06	0.468	3.660	3.555	99.846%	1.625	1.590	151.100	152.000	97.265%
3	20:05:09	0.472	3.734	3.557	99.937%	1.624	1.600	152.500	151.200	95.044%
x		0.474	3.739	3.585	99.253%	1.632	1.602	152.200	152.300	96.224%
σ		0.007	0.082	0.051	1.106%	0.012	0.012	1.010	1.249	1.117%
%RSD		1.530	2.193	1.426	1.114	0.764	0.778	0.664	0.820	1.161
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:03:02	0.307	0.302	0.297	0.392	M 54.250	94.338%	0.000	0.856	0.590
2	20:04:06	0.303	0.277	0.301	0.394	M 53.820	93.031%	0.000	0.864	0.597
3	20:05:09	0.283	0.306	0.305	0.392	M 54.380	92.415%	0.000	0.855	0.596
x		0.298	0.295	0.301	0.392	M 54.150	93.261%	0.000	0.858	0.595
σ		0.012	0.016	0.004	0.001	M 0.296	0.982%	0.000	0.005	0.004
%RSD		4.183	5.389	1.339	0.299	M 0.547	1.053	0.000	0.576	0.621

CCV 10/29/2010 08:09:34 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:10:37	97.230%	0.000	9.912	205.200	T 4903.000	T 4981.000	T 5022.000	T 4968.000	439.000
2	20:11:41	97.538%	0.000	10.160	208.600	T 4935.000	T 5023.000	T 5017.000	T 4971.000	435.300
3	20:12:44	97.946%	0.000	10.110	206.900	T 4949.000	T 5098.000	T 5061.000	T 5049.000	432.300
x		97.571%	0.000	100.579%	103.446%	T 98.575%	T 5034.000	T 100.666%	T 99.922%	108.879%
σ		0.359%	0.000	n/a	n/a	T n/a	T 59.540	T n/a	T n/a	n/a
%RSD		0.368	0.000	1.282	0.814	T 0.481	T 1.183	T 0.478	T 0.917	0.776

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:10:37	0.000	T 0.000	T 5362.000	5536.000	97.142%	0.000	18.720	19.190	7.258
2	20:11:41	0.000	T 0.000	T 5427.000	5507.000	98.544%	0.000	18.650	18.940	5.199
3	20:12:44	0.000	T 0.000	T 5445.000	5471.000	100.035%	0.000	18.730	19.000	3.913
x		0.000	T 0.000	T 108.231%	110.094%	98.574%	0.000	93.500%	95.211%	5.457
σ		0.000	T 0.000	T n/a	n/a	1.446%	0.000	n/a	n/a	1.687
%RSD		0.000	T 0.000	T 0.806	0.586	1.467	0.000	0.235	0.683	30.910

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:10:37	960.700	19.640	T 1000.000	46.080	19.120	19.650	19.160	20.230	19.510
2	20:11:41	942.000	19.340	T 995.700	46.100	18.440	18.730	18.930	19.500	19.490
3	20:12:44	945.000	19.180	T 1006.000	46.450	18.470	18.490	18.640	19.430	18.780
x		949.200	96.932%	T 100.085%	92.414%	93.385%	94.769%	94.555%	98.604%	96.307%
σ		10.050	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.059	1.203	T 0.539	0.448	2.058	3.226	1.378	2.246	2.151

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:10:37	20.300	9.335	10.270	9.682	98.610%	94.930	94.090	9.876	-1.731
2	20:11:41	19.770	9.658	10.730	10.050	98.003%	95.050	93.530	9.946	-1.103
3	20:12:44	19.360	9.537	10.520	9.945	101.235%	93.560	92.810	9.783	-1.526
x		99.058%	95.100%	105.078%	98.937%	99.283%	94.513%	93.480	98.685%	-1.453
σ		n/a	n/a	n/a	n/a	1.718%	n/a	0.642	n/a	0.320
%RSD		2.365	1.715	2.186	1.938	1.730	0.879	0.687	0.830	22.040

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:10:37	9.807	9.760	9.824	97.838%	15.590	15.740	228.900	228.800	92.933%
2	20:11:41	9.792	9.778	9.862	98.231%	18.180	18.190	227.900	230.400	95.104%
3	20:12:44	9.541	9.700	9.619	99.332%	19.160	19.130	223.500	228.400	93.767%
x		97.137%	97.459%	97.683%	98.467%	88.211%	88.434%	90.702%	91.675%	93.935%
σ		n/a	n/a	n/a	0.775%	n/a	n/a	n/a	n/a	1.095%
%RSD		1.539	0.418	1.342	0.787	10.470	9.909	1.260	0.476	1.166

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:10:37	9.341	9.257	9.752	9.537	9.793	88.991%	0.000	8.385	9.687
2	20:11:41	9.337	9.217	9.692	9.508	9.709	90.904%	0.000	8.654	9.226
3	20:12:44	9.319	9.483	9.821	9.486	9.672	90.190%	0.000	9.341	9.660
x		93.325%	93.189%	97.550%	95.102%	97.248%	90.028%	0.000	8.793	9.524
σ		n/a	n/a	n/a	n/a	n/a	0.967%	0.000	0.493	0.259
%RSD		0.125	1.536	0.662	0.271	0.639	1.074	0.000	5.606	2.721

CCB 10/29/2010 08:17:10 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:13	99.638%	0.000	0.108	6.502	-36.430	60.540	25.050	41.520	-17.950
2	20:19:17	100.411%	0.000	0.098	6.066	-48.020	59.770	24.030	40.970	-17.970
3	20:20:20	99.476%	0.000	0.092	5.553	-49.360	59.360	24.640	41.330	-17.910
x		99.842%	0.000	0.099	6.040	-44.600	59.890	24.570	41.280	-17.950
σ		0.500%	0.000	0.008	0.475	7.111	0.597	0.515	0.278	0.029
%RSD		0.500	0.000	8.448	7.860	15.940	0.996	2.094	0.673	0.164

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:18:13	0.000	0.000	T 239.200	-150.300	97.936%	0.000	0.245	0.365	6.596
2	20:19:17	0.000	0.000	291.300	-153.200	99.147%	0.000	0.245	0.310	4.736
3	20:20:20	0.000	0.000	T 223.400	-153.900	98.765%	0.000	0.328	0.317	3.686
x		0.000	0.000	T 251.300	-152.500	98.616%	0.000	0.273	0.331	5.006
σ		0.000	0.000	T 35.550	1.900	0.619%	0.000	0.048	0.030	1.474
%RSD		0.000	0.000	T 14.150	1.246	0.628	0.000	17.540	9.149	29.440
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:18:13	26.220	0.505	0.292	1.170	0.001	0.128	-0.063	0.028	0.197
2	20:19:17	25.590	0.463	-0.465	1.180	-0.002	-0.189	-0.058	0.045	0.135
3	20:20:20	25.510	0.447	0.215	1.150	0.004	0.079	-0.089	-0.046	0.061
x		25.780	0.472	0.014	1.167	0.001	0.006	-0.070	0.009	0.131
σ		0.389	0.030	0.417	0.015	0.003	0.171	0.017	0.048	0.068
%RSD		1.508	6.305	2943.000	1.288	336.800	2918.000	23.970	534.200	51.710
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:18:13	0.016	-0.055	0.576	0.136	99.898%	2.472	2.825	0.114	-2.183
2	20:19:17	0.029	0.007	0.436	0.047	102.009%	2.317	2.719	0.114	-2.215
3	20:20:20	0.022	0.083	0.549	-0.067	100.089%	2.325	2.654	0.113	-2.098
x		0.023	0.012	0.520	0.039	100.665%	2.371	2.733	0.114	-2.165
σ		0.006	0.069	0.074	0.102	1.167%	0.087	0.086	0.001	0.060
%RSD		27.460	596.100	14.210	262.000	1.160	3.669	3.161	0.690	2.792
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:18:13	0.100	0.050	0.022	97.814%	1.711	1.679	8.087	5.279	92.316%
2	20:19:17	0.094	0.051	0.021	98.916%	1.533	1.483	8.085	5.274	93.373%
3	20:20:20	0.091	0.051	0.012	99.253%	1.407	1.364	7.968	5.251	92.863%
x		0.095	0.051	0.018	98.661%	1.550	1.509	8.047	5.268	92.850%
σ		0.005	0.001	0.006	0.752%	0.153	0.159	0.068	0.015	0.528%
%RSD		5.003	1.201	30.390	0.762	9.839	10.540	0.844	0.284	0.569
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:18:13	0.205	0.175	0.262	0.363	0.286	94.624%	0.000	0.784	0.407
2	20:19:17	0.173	0.163	0.266	0.359	0.284	94.676%	0.000	0.752	0.407
3	20:20:20	0.168	0.156	0.265	0.358	0.270	93.930%	0.000	0.728	0.408
x		0.182	0.165	0.265	0.360	0.280	94.410%	0.000	0.755	0.407
σ		0.020	0.010	0.002	0.002	0.009	0.417%	0.000	0.028	0.001
%RSD		10.950	5.787	0.766	0.691	3.065	0.441	0.000	3.685	0.134

Mass Uncorrected ICPS

STD0 10/29/2010 02:35:45 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	14:36:49	693111.970	41996.782	13.000	3624.722	2495572.900	16390.763	2208.268	2392.315	16340.673
2	14:37:52	690060.430	42374.528	14.000	3558.696	2498687.800	18554.916	2488.340	3076.521	18558.925
3	14:38:56	697747.200	42294.155	14.000	3248.580	2466797.200	17522.872	2160.257	2720.407	18158.116
x		693639.870	42221.822	13.667	3477.333	2487019.300	17489.517	2285.622	2729.747	17685.905
σ		3870.479	198.991	0.577	200.838	17582.008	1082.462	177.193	342.199	1182.116
%RSD		0.558	0.471	4.225	5.776	0.707	6.189	7.753	12.536	6.684

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	14:36:49	5381.592	T 1216701.600	1438875.300	4208.974	702449.430	96.001	15519.235	2312.294	5479.651
2	14:37:52	5611.731	T 1228714.200	1421799.400	4761.247	705064.710	90.000	11082.751	2156.256	3804.796
3	14:38:56	5903.917	T 1237305.000	1424659.600	4389.059	707693.670	90.000	8584.051	2304.292	2968.485
x		5632.413	T 1227573.600	1428444.800	4453.093	705069.270	92.000	11728.679	2257.614	4084.311
σ		261.776	T 10348.972	9145.613	281.650	2622.123	3.464	3512.423	87.870	1278.705
%RSD		4.648	T 0.843	0.640	6.325	0.372	3.765	29.947	3.892	31.308

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
1	14:36:49	13932.668	1110.068	338148.100	136.001	304.005	436.010	822.037	402.009	110.001
2	14:37:52	14281.209	1084.065	346647.390	158.001	314.005	364.007	726.029	382.008	84.000
3	14:38:56	14050.850	1030.058	343569.810	156.001	336.006	358.007	750.031	512.014	104.001
x		14088.242	1074.730	342788.430	150.001	318.006	386.008	766.032	432.010	99.334
σ		177.253	40.813	4303.186	12.166	16.371	43.407	49.964	70.003	13.614
%RSD		1.258	3.798	1.255	8.110	5.148	11.245	6.522	16.204	13.705

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	14:36:49	282.004	968.452	1678.155	230.603	756949.990	924.047	1436.113	36.000	6.000
2	14:37:52	290.005	734.430	1710.761	236.403	763288.500	908.045	1416.110	40.000	8.000
3	14:38:56	296.005	605.620	1717.362	223.403	770578.680	790.034	1262.088	26.000	6.000
x		289.338	769.500	1702.093	230.136	763605.720	874.042	1371.437	34.000	6.667
σ		7.024	183.941	20.992	6.513	6819.882	73.192	95.226	7.211	1.155
%RSD		2.428	23.904	1.233	2.830	0.893	8.374	6.944	21.209	17.321

Experiment Details

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Elemental\PlasmaLab\TEMPLATES\6020.tet
Created By User	user
Analyte Database	Default.tea
Creation Timestamp	08/29/2003 01:55:15 PM
Last Edited By	INORG-USER
Last Edit Timestamp	11/01/2010 05:11:38 PM
Instrument Detector	Simultaneous
Database Version	3.51
Acquisition Mode	Unknown

Numerical Results report key (text indicates meaning)

Blue text indicates that cell is a statistic.
Underlining indicates that a data warning flag is set.

Column headings
No flag
Semi Quant
Standard Addition
Multi Element

Result cells
Internal Standard
Excluded
QC Warning
QC Failure
Transient TRA only:
Peak Not Found
Manually Edited
Merged Peak

Data warning flags
I - Invalid calibration
T - Tripped
F - Interference correction failed
M - Result over max
V - Valley integration failed
D - Different method used

Setup

Survey Scan Setup

Sweeps	10
Dwell Time	600
Channels Per Mass	10
Acquisition Duration	13247

Main Run Setup

Main Run	Peak Jumping
Sweeps	50
Dwell Time	10000
Channels Per Mass	1
Acquisition Duration	59702
Channel Spacing	0.02

Survey Scan Regions

Start AMU	End AMU	Channels	Dwell ms	Resolution
4.59	11.41	68	600	Standard
22.59	27.41	48	600	Standard
28.59	29.41	8	600	Standard
30.59	31.41	8	600	Standard
32.59	33.41	8	600	Standard
38.59	39.41	8	600	Standard
42.59	79.41	368	600	Standard
80.59	245.50	1649	600	Standard

Peak Jump Regions

Analyte	Channels	Dwell ms	Resolution
6Li	1	5000	Standard
7Li	1	5000	Standard
9Be	1	20000	Standard
11B	1	10000	Standard
23Na	1	5000	Standard

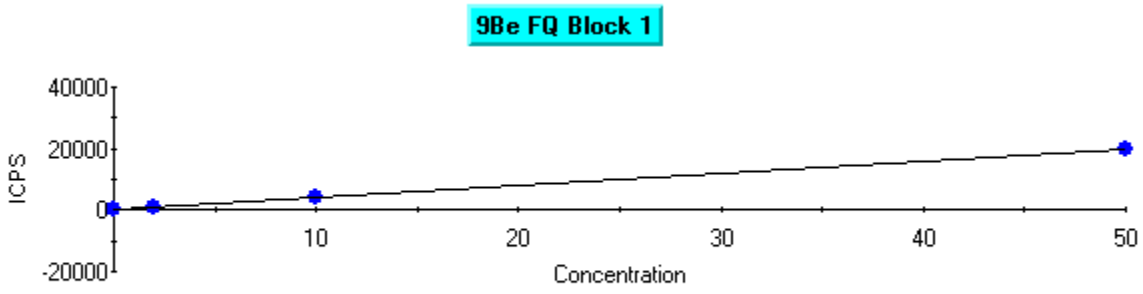
24Mg	1	10000	Standard
25Mg	1	5000	Standard
26Mg	1	5000	Standard
27Al	1	10000	Standard
31P	1	10000	Standard
33S	1	10000	Standard
39K	1	5000	Standard
43Ca	1	10000	Standard
44Ca	1	5000	Standard
45Sc	1	5000	Standard
47Ti	1	10000	Standard
51V	1	10000	Standard
52Cr	1	10000	Standard
53Cl O	1	10000	Standard
54Fe	1	10000	Standard
55Mn	1	10000	Standard
56Fe	1	10000	Standard
59Co	1	10000	Standard
60Ni	1	10000	Standard
62Ni	1	10000	Standard
65Cu	1	10000	Standard
66Zn	1	10000	Standard
67Zn	1	10000	Standard
68Zn	1	10000	Standard
75As	1	50000	Standard
77Ar Cl	1	50000	Standard
78Se	1	100000	Standard
82Se	1	100000	Standard
83Kr	1	100000	Standard
89Y	1	5000	Standard
95Mo	1	10000	Standard
98Mo	1	10000	Standard
106Cd	1	10000	Standard
107Ag	1	10000	Standard
108Mo O	1	10000	Standard
109Ag	1	10000	Standard
111Cd	1	10000	Standard
114Cd	1	10000	Standard
115In	1	5000	Standard
118Sn	1	10000	Standard
121Sb	1	100000	Standard
123Sb	1	100000	Standard
135Ba	1	10000	Standard
137Ba	1	10000	Standard
159Tb	1	5000	Standard
182W	1	10000	Standard
184W	1	10000	Standard
203Tl	1	10000	Standard
205Tl	1	10000	Standard
206Pb	1	10000	Standard
207Pb	1	10000	Standard
208Pb	1	10000	Standard
209Bi	1	5000	Standard
220Bkg	1	10000	Standard
232Th	1	10000	Standard
238U	1	10000	Standard

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	STD0	Fully Quant Standard	1.000	0	1	2	155
2	STD1	Fully Quant Standard	1.000	0	1	3	155
3	STD2	Fully Quant Standard	1.000	0	1	4	155
4	STD3	Fully Quant Standard	1.000	0	1	5	155
5	ICV	QC Sample	1.000	0	1	6	155
6	ICB	QC Sample	1.000	0	1	2	155
7	ICSA	QC Sample	1.000	0	1	7	155
8	ICSAB	QC Sample	1.000	0	1	8	155
9	CCV	QC Sample	1.000	0	1	4	155
10	CCB	QC Sample	1.000	0	1	2	155

11	MB 200-8516/1-A	Unknown	1.000	1	1	1	155
12	LCS 200-8516/2-A	Unknown	1.000	1	1	2	155
13	200-2079-A-1-C	Unknown	1.000	1	1	3	155
14	200-2079-A-2-C	Unknown	1.000	1	1	4	155
15	200-2079-A-3-C	Unknown	1.000	1	1	5	155
16	200-2079-A-4-I	Unknown	1.000	1	1	6	155
17	200-2079-A-4-I	Unknown	1.000	1	1	7	155
18	200-2079-A-4-I	Unknown	1.000	1	1	8	155
19	200-2079-A-4-J DU	Unknown	1.000	1	1	9	155
20	200-2079-A-4-K MS	Unknown	1.000	1	1	10	155
21	CCV	QC Sample	1.000	0	1	4	155
22	CCB	QC Sample	1.000	0	1	2	155
23	200-2079-A-5-C	Unknown	1.000	1	1	11	155
24	200-2079-A-6-C	Unknown	1.000	1	1	12	155
25	200-2079-A-7-C	Unknown	1.000	1	2	1	155
26	200-2079-A-8-C	Unknown	1.000	1	2	2	155
27	200-2079-A-9-C	Unknown	1.000	1	2	3	155
28	200-2079-A-10-C	Unknown	1.000	1	2	4	155
29	200-2079-A-11-C	Unknown	1.000	1	2	5	155
30	200-2079-A-12-I	Unknown	1.000	1	2	6	155
31	200-2079-A-12-I	Unknown	1.000	1	2	7	155
32	200-2079-A-12-I	Unknown	1.000	1	2	8	155
33	CCV	QC Sample	1.000	0	1	4	155
34	CCB	QC Sample	1.000	0	1	2	155
35	200-2079-A-12-J D	Unknown	1.000	1	2	9	155
36	200-2079-A-12-K MS	Unknown	1.000	1	2	10	155
37	200-2079-A-13-C	Unknown	1.000	1	2	11	155
38	200-2079-A-14-C	Unknown	1.000	1	2	12	155
39	200-2079-A-15-C	Unknown	1.000	1	3	1	155
40	200-2081-A-1-C	Unknown	1.000	1	3	2	155
41	200-2081-A-2-C	Unknown	1.000	1	3	3	155
42	200-2081-A-3-C	Unknown	1.000	1	3	4	155
43	200-2081-A-4-C	Unknown	1.000	1	3	5	155
44	200-2081-A-5-C	Unknown	1.000	1	3	6	155
45	CCV	QC Sample	1.000	0	1	4	155
46	CCB	QC Sample	1.000	0	1	2	155
47	200-2079-A-3-C@10	Unknown	1.000	1	3	7	155
48	200-2081-A-4-C@10	Unknown	1.000	1	3	8	155
49	CCV	QC Sample	1.000	0	1	4	155
50	CCB	QC Sample	1.000	0	1	2	155

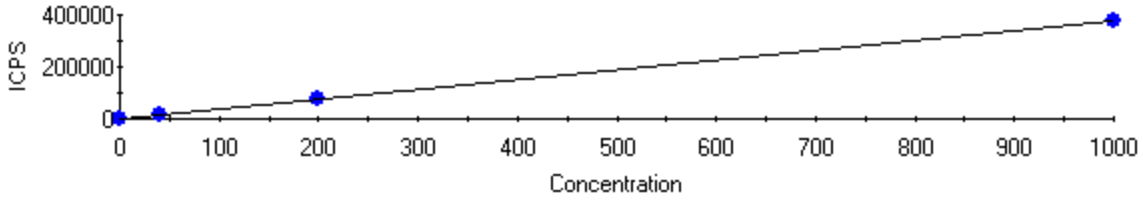
Fully Quant Calibration



Intercept CPS=-29.191575 Intercept Conc=-0.074302
Sensitivity=392.877344 Correlation Coeff=0.999981

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.138	0.138	24.99	0.00
STD1	2.000	2.026	0.026	766.77	1.30
STD2	10.000	9.796	0.204	3819.61	2.04
STD3	50.000	50.040	0.040	19630.26	0.08

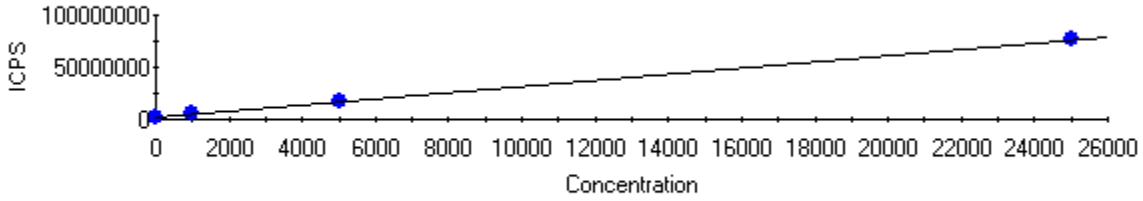
11B FQ Block 1



Intercept CPS=858.119868 Intercept Conc=2.293235
Sensitivity=374.196261 Correlation Coeff=0.999966

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	3.591	3.591	2201.78	0.00
STD1	40.000	40.822	0.822	16133.72	2.06
STD2	200.000	194.525	5.475	73648.50	2.74
STD3	1000.000	1001.062	1.062	375451.85	0.11

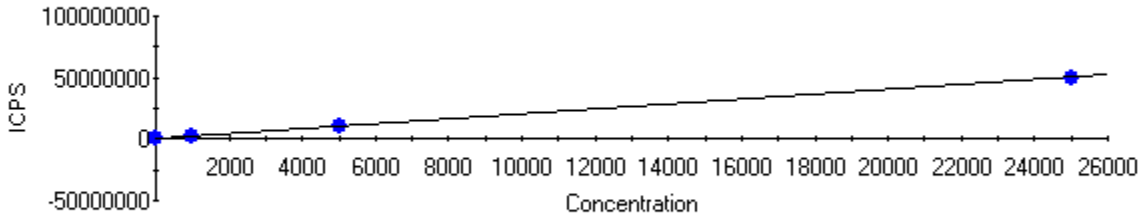
23Na FQ Block 1



Intercept CPS=1858961.907740 Intercept Conc=626.252471
Sensitivity=2968.390536 Correlation Coeff=0.999993

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	20.943	20.943	1921130.08	0.00
STD1	1000.000	1031.792	31.792	4921723.70	3.18
STD2	5000.000	4935.670	64.330	16509958.86	1.29
STD3	25000.000	25011.594	11.594	76103141.60	0.05

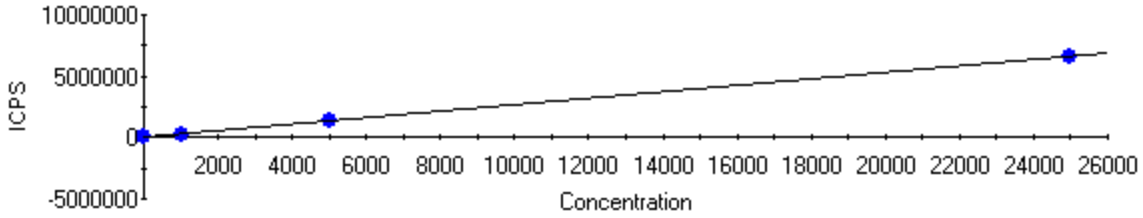
24Mg FQ Block 1



Intercept CPS=-81065.840689 Intercept Conc=-40.424642
Sensitivity=2005.357060 Correlation Coeff=0.999987

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	48.348	48.348	15889.19	0.00
STD1	1000.000	1022.720	22.720	1969851.98	2.27
STD2	5000.000	4912.302	87.698	9769852.77	1.75
STD3	25000.000	25016.631	16.631	50086211.56	0.07

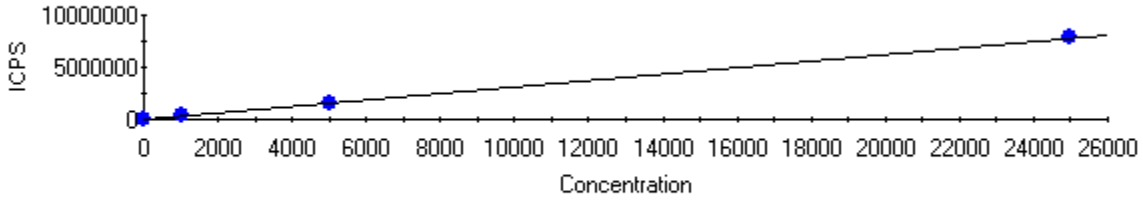
25Mg FQ Block 1



Intercept CPS=-301.974900 Intercept Conc=-1.137858
Sensitivity=265.388867 Correlation Coeff=0.999999

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	8.914	8.914	2063.71	0.00
STD1	1000.000	975.696	24.304	258636.99	2.43
STD2	5000.000	5018.022	18.022	1331425.14	0.36
STD3	25000.000	24997.368	2.632	6633721.14	0.01

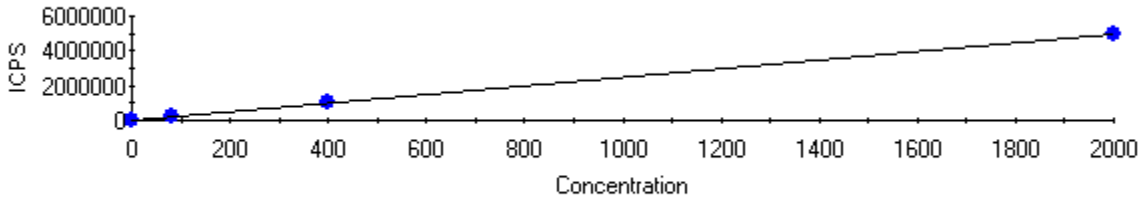
26Mg FQ Block 1



Intercept CPS=3366.129782 Intercept Conc=10.725970
Sensitivity=313.829858 Correlation Coeff=0.999996

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-3.148	3.148	2378.20	0.00
STD1	1000.000	967.779	32.221	307084.01	3.22
STD2	5000.000	5042.600	42.600	1585884.70	0.85
STD3	25000.000	24992.769	7.231	7846843.21	0.03

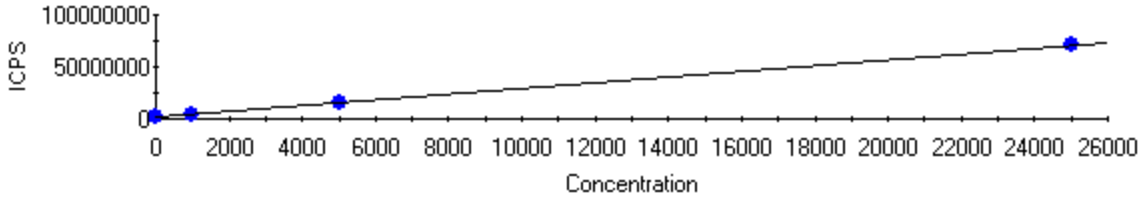
27Al FQ Block 1



Intercept CPS=2912.945411 Intercept Conc=1.165887
Sensitivity=2498.478985 Correlation Coeff=0.999990

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	5.278	5.278	16100.51	0.00
STD1	80.000	75.315	4.685	191086.75	5.86
STD2	400.000	399.024	0.976	999865.50	0.24
STD3	2000.000	2000.383	0.383	5000826.90	0.02

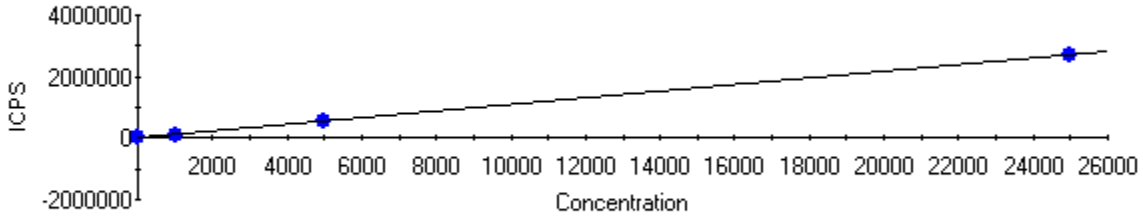
39K FQ Block 1



Intercept CPS=1855720.388783 Intercept Conc=672.325258
Sensitivity=2760.152720 Correlation Coeff=0.999971

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	81.586	81.586	2080909.68	0.00
STD1	1000.000	1020.719	20.719	4673061.13	2.07
STD2	5000.000	4873.155	126.845	15306371.75	2.54
STD3	25000.000	25024.540	24.540	70927273.32	0.10

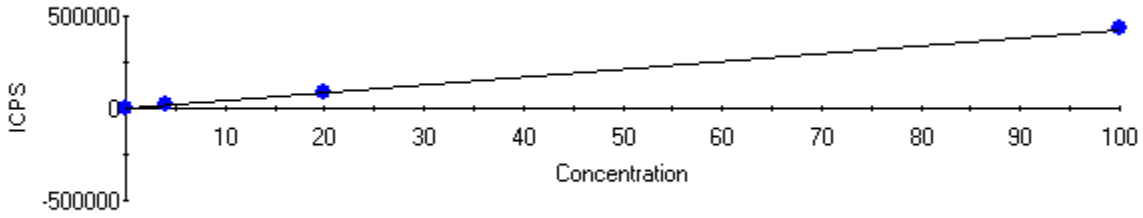
44Ca FQ Block 1



Intercept CPS=-8030.683492 Intercept Conc=-74.186619
Sensitivity=108.249757 Correlation Coeff=0.999953

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	105.721	105.721	3413.56	0.00
STD1	1000.000	1023.937	23.937	102810.26	2.39
STD2	5000.000	4839.125	160.875	515803.37	3.22
STD3	25000.000	25031.218	31.218	2701592.54	0.12

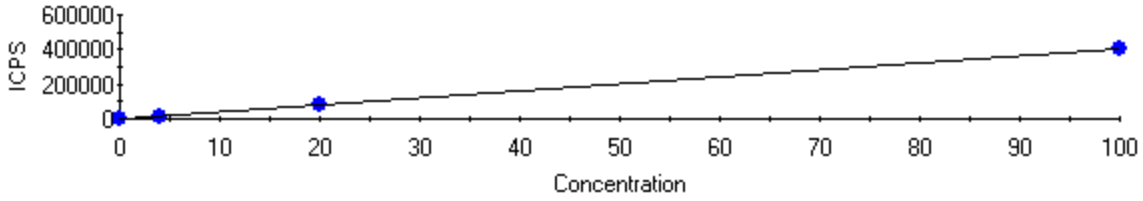
51V FQ Block 1



Intercept CPS=-735.805486 Intercept Conc=-0.171150
Sensitivity=4299.182392 Correlation Coeff=0.999985

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.254	0.254	354.74	0.00
STD1	4.000	4.038	0.038	16624.89	0.95
STD2	20.000	19.637	0.363	83687.90	1.81
STD3	100.000	100.071	0.071	429487.86	0.07

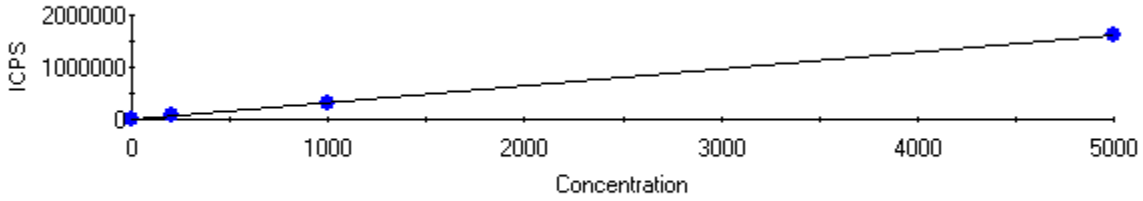
52Cr FQ Block 1



Intercept CPS=607.885955 Intercept Conc=0.151367
Sensitivity=4015.977610 Correlation Coeff=0.999986

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.248	0.248	1602.89	0.00
STD1	4.000	4.029	0.029	16786.27	0.71
STD2	20.000	19.656	0.344	79546.32	1.72
STD3	100.000	100.068	0.068	402477.29	0.07

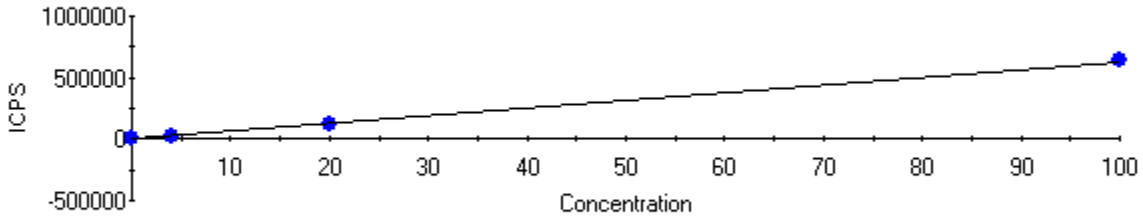
54Fe FQ Block 1



Intercept CPS=3331.784290 Intercept Conc=10.378745
Sensitivity=321.019951 Correlation Coeff=0.999949

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	23.720	23.720	10946.29	0.00
STD1	200.000	202.682	2.682	68396.61	1.34
STD2	1000.000	967.132	32.868	313800.60	3.29
STD3	5000.000	5006.466	6.466	1610507.33	0.13

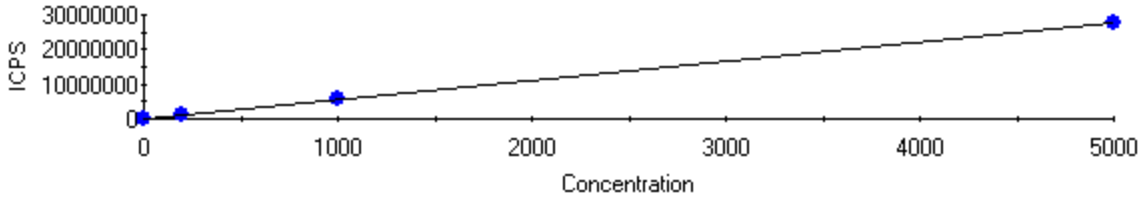
55Mn FQ Block 1



Intercept CPS=-1422.723297 Intercept Conc=-0.224444
Sensitivity=6338.884540 Correlation Coeff=0.999964

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.362	0.362	870.25	0.00
STD1	4.000	4.099	0.099	24557.32	2.46
STD2	20.000	19.430	0.570	121739.35	2.85
STD3	100.000	100.110	0.110	633163.87	0.11

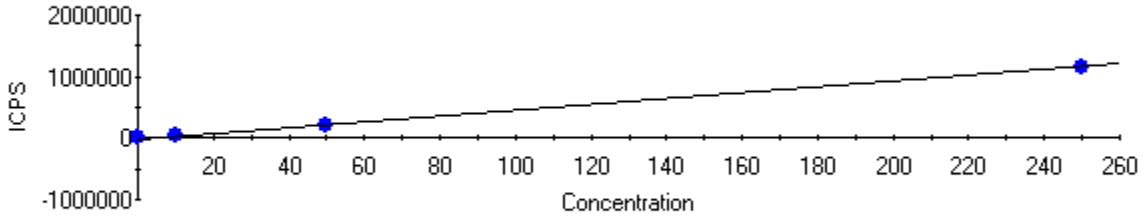
56Fe FQ Block 1



Intercept CPS=246475.866097 Intercept Conc=44.981496
Sensitivity=5479.494661 Correlation Coeff=0.999995

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	1.868	1.868	256712.34	0.00
STD1	200.000	190.443	9.557	1290007.97	4.78
STD2	1000.000	1009.133	9.133	5776015.13	0.91
STD3	5000.000	4998.556	1.444	27636034.92	0.03

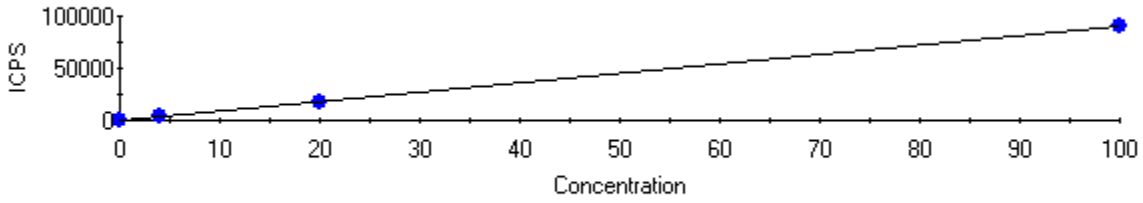
59Co FQ Block 1



Intercept CPS=-5838.169192 Intercept Conc=-1.248700
Sensitivity=4675.397698 Correlation Coeff=0.999925

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	1.273	1.273	114.66	0.00
STD1	10.000	10.390	0.390	42738.97	3.90
STD2	50.000	47.941	2.059	218302.88	4.12
STD3	250.000	250.396	0.396	1164864.10	0.16

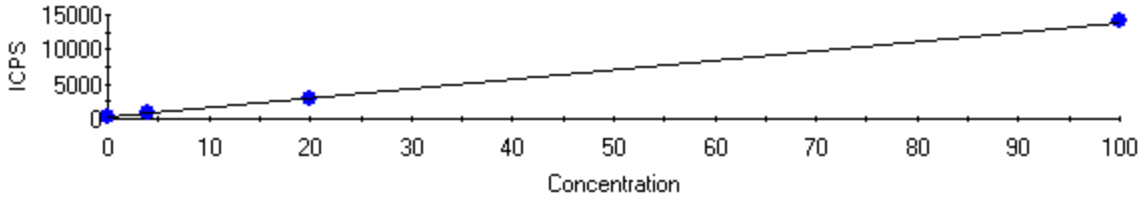
60Ni FQ Block 1



Intercept CPS=196.868783 Intercept Conc=0.217139
Sensitivity=906.649450 Correlation Coeff=0.999998

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.119	0.119	305.04	0.00
STD1	4.000	3.939	0.061	3767.88	1.53
STD2	20.000	19.924	0.076	18261.35	0.38
STD3	100.000	100.018	0.018	90877.74	0.02

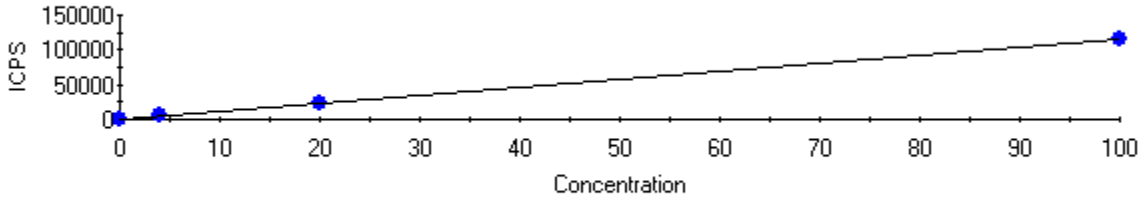
62Ni FQ Block 1



Intercept CPS=340.297862 Intercept Conc=2.495233
Sensitivity=136.379190 Correlation Coeff=0.999956

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.321	0.321	384.11	0.00
STD1	4.000	4.202	0.202	913.43	5.06
STD2	20.000	19.355	0.645	2979.97	3.22
STD3	100.000	100.121	0.121	13994.69	0.12

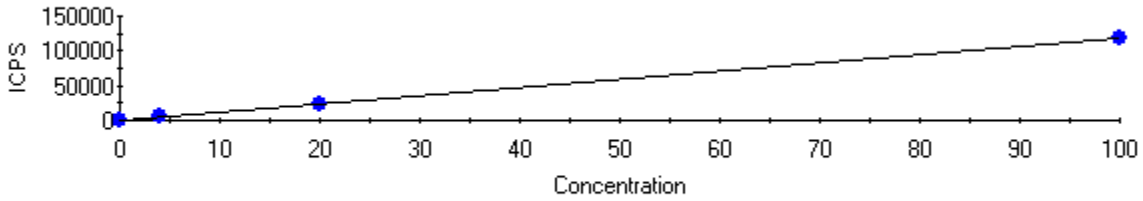
65Cu FQ Block 1



Intercept CPS=994.501678 Intercept Conc=0.870862
Sensitivity=1141.974324 Correlation Coeff=1.000000

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.026	0.026	964.80	0.00
STD1	4.000	4.060	0.060	5630.93	1.50
STD2	20.000	19.960	0.040	23788.87	0.20
STD3	100.000	100.006	0.006	115198.22	0.01

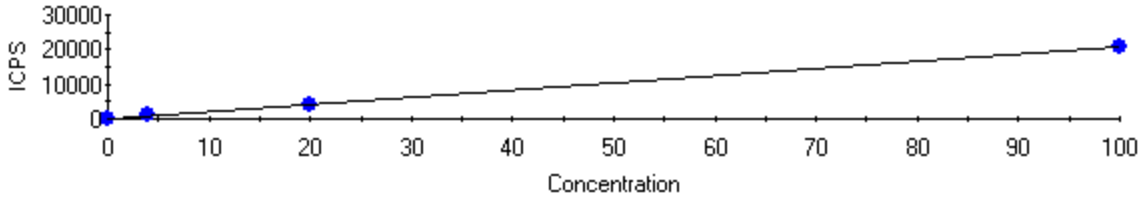
66Zn FQ Block 1



Intercept CPS=672.905583 Intercept Conc=0.572302
Sensitivity=1175.787266 Correlation Coeff=0.999994

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.213	0.213	422.57	0.00
STD1	4.000	4.136	0.136	5535.91	3.40
STD2	20.000	20.103	0.103	24309.74	0.51
STD3	100.000	99.974	0.026	118221.02	0.03

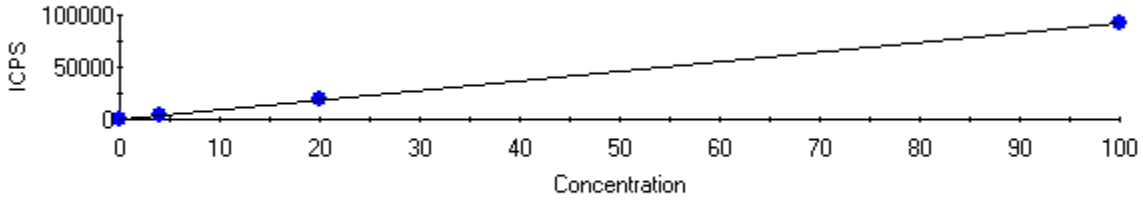
67Zn FQ Block 1



Intercept CPS=100.256410 Intercept Conc=0.486792
Sensitivity=205.953482 Correlation Coeff=0.999997

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.166	0.166	65.99	0.00
STD1	4.000	4.110	0.110	946.72	2.75
STD2	20.000	20.076	0.076	4234.97	0.38
STD3	100.000	99.980	0.020	20691.57	0.02

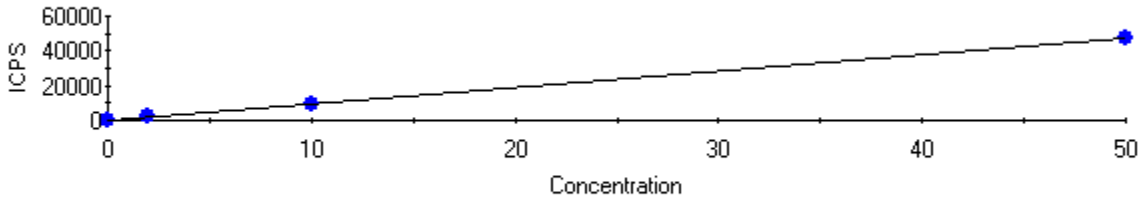
68Zn FQ Block 1



Intercept CPS=509.859866 Intercept Conc=0.557896
Sensitivity=913.897742 Correlation Coeff=0.999994

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.209	0.209	318.85	0.00
STD1	4.000	4.081	0.081	4239.41	2.02
STD2	20.000	20.164	0.164	18937.82	0.82
STD3	100.000	99.964	0.036	91866.67	0.04

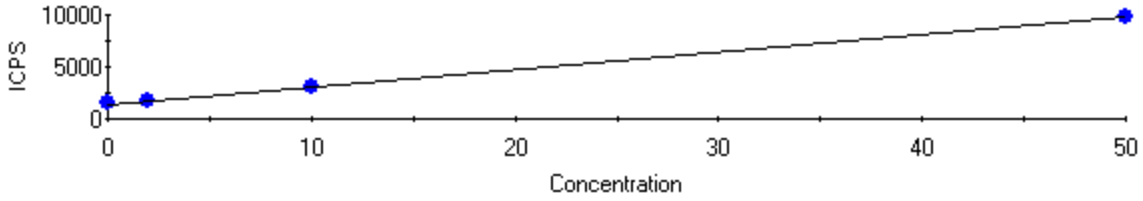
75As FQ Block 1



Intercept CPS=82.633724 Intercept Conc=0.088387
Sensitivity=934.910204 Correlation Coeff=0.999992

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.097	0.097	173.42	0.00
STD1	2.000	2.005	0.005	1957.22	0.25
STD2	10.000	9.873	0.127	9312.55	1.27
STD3	50.000	50.025	0.025	46851.79	0.05

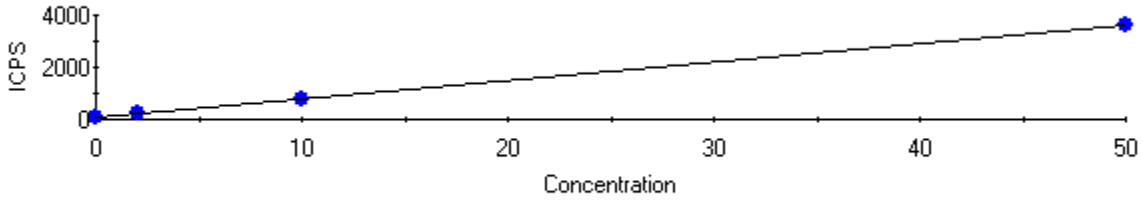
78Se FQ Block 1



Intercept CPS=1399.649052 Intercept Conc=8.408474
Sensitivity=166.456956 Correlation Coeff=0.999952

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.298	0.298	1449.25	0.00
STD1	2.000	1.881	0.119	1712.72	5.96
STD2	10.000	9.771	0.229	3026.02	2.29
STD3	50.000	50.051	0.051	9730.93	0.10

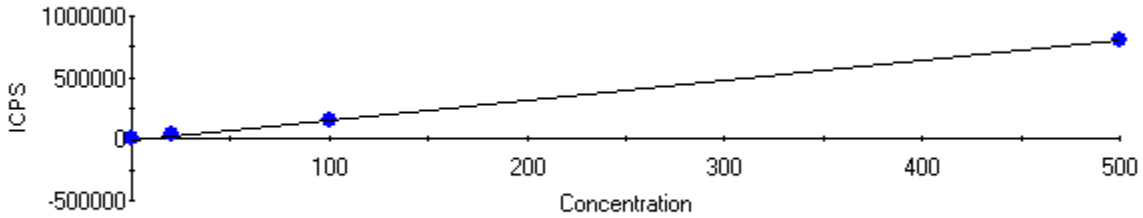
82Se FQ Block 1



Intercept CPS=75.528819 Intercept Conc=1.070544
Sensitivity=70.551791 Correlation Coeff=0.999990

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.104	0.104	82.89	0.00
STD1	2.000	2.016	0.016	217.76	0.80
STD2	10.000	9.850	0.150	770.48	1.50
STD3	50.000	50.029	0.029	3605.19	0.06

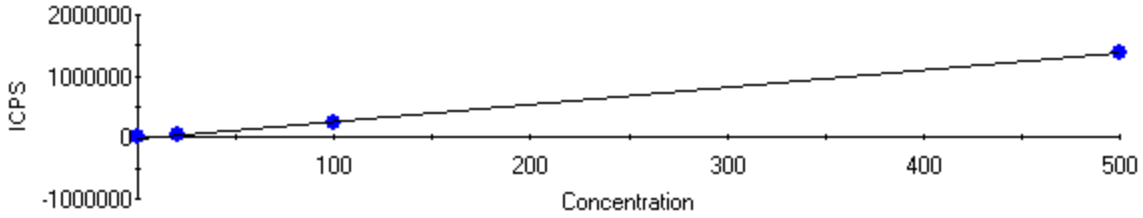
95Mo FQ Block 1



Intercept CPS=-2957.760039 Intercept Conc=-1.828104
Sensitivity=1617.938296 Correlation Coeff=0.999932

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	2.632	2.632	1300.28	0.00
STD1	20.000	20.456	0.456	30138.55	2.28
STD2	100.000	96.163	3.837	152628.47	3.84
STD3	500.000	500.749	0.749	807223.41	0.15

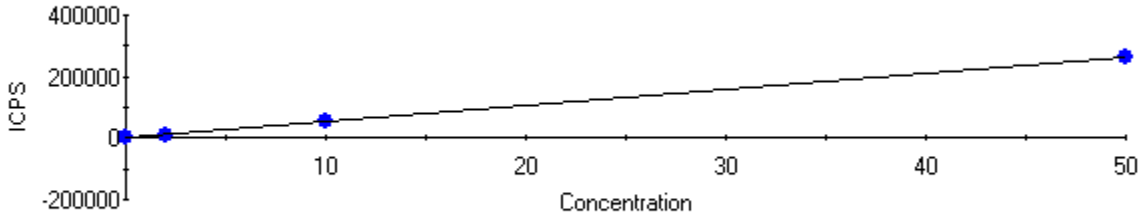
98Mo FQ Block 1



Intercept CPS=-6911.263276 Intercept Conc=-2.513684
Sensitivity=2749.455966 Correlation Coeff=0.999894

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	3.304	3.304	2172.65	0.00
STD1	20.000	20.542	0.542	49569.00	2.71
STD2	100.000	95.219	4.781	254890.07	4.78
STD3	500.000	500.934	0.934	1370385.93	0.19

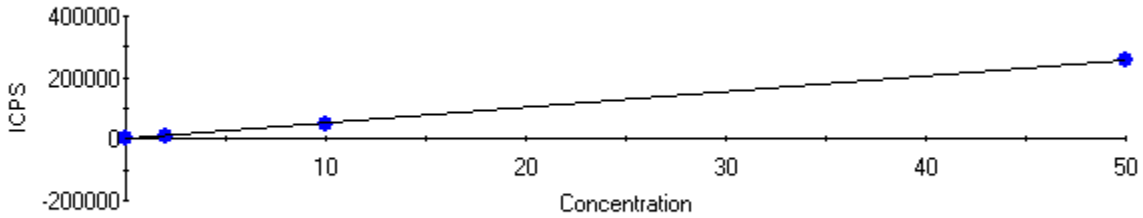
107Ag FQ Block 1



Intercept CPS=-594.671942 Intercept Conc=-0.112552
Sensitivity=5283.546316 Correlation Coeff=0.999993

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.117	0.117	25.36	0.00
STD1	2.000	1.947	0.053	9690.58	2.67
STD2	10.000	9.917	0.083	51803.96	0.83
STD3	50.000	50.019	0.019	263681.28	0.04

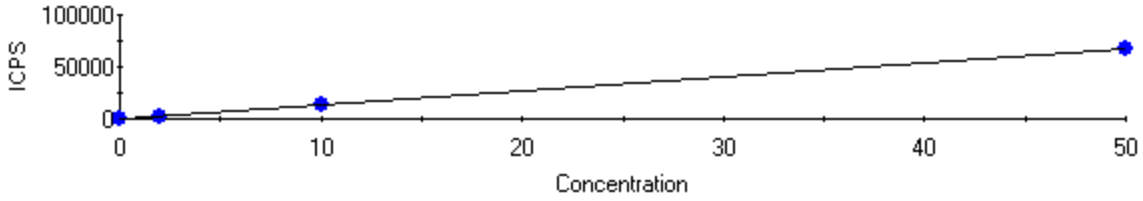
109Ag FQ Block 1



Intercept CPS=-600.161839 Intercept Conc=-0.115863
Sensitivity=5179.946138 Correlation Coeff=0.999992

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.120	0.120	21.34	0.00
STD1	2.000	1.948	0.052	9488.26	2.62
STD2	10.000	9.913	0.087	50748.19	0.87
STD3	50.000	50.020	0.020	258498.23	0.04

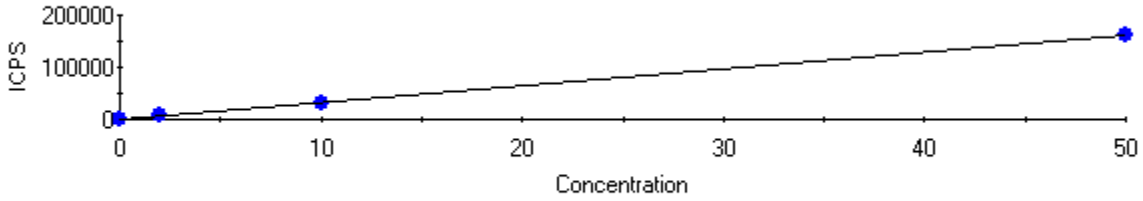
111Cd FQ Block 1



Intercept CPS=110.571080 Intercept Conc=0.083353
Sensitivity=1326.537464 Correlation Coeff=0.999997

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.073	0.073	207.30	0.00
STD1	2.000	1.964	0.036	2716.02	1.80
STD2	10.000	9.952	0.048	13312.18	0.48
STD3	50.000	50.011	0.011	66452.10	0.02

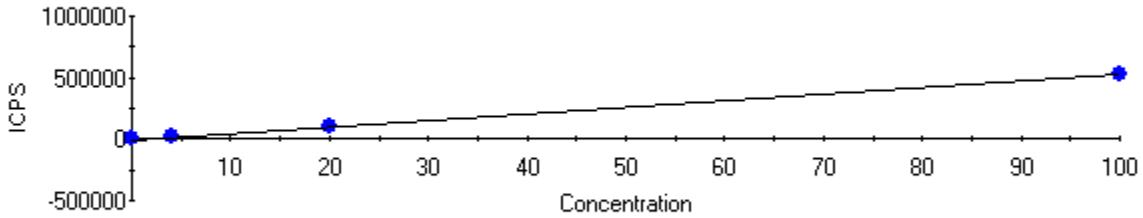
114Cd FQ Block 1



Intercept CPS=24.590543 Intercept Conc=0.007595
Sensitivity=3237.719783 Correlation Coeff=0.999991

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.102	0.102	354.94	0.00
STD1	2.000	2.003	0.003	6508.98	0.14
STD2	10.000	9.869	0.131	31978.11	1.31
STD3	50.000	50.026	0.026	161994.96	0.05

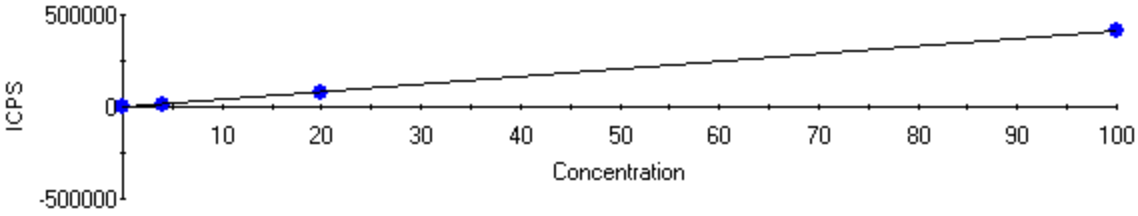
121Sb FQ Block 1



Intercept CPS=-4165.026889 Intercept Conc=-0.774946
Sensitivity=5374.599317 Correlation Coeff=0.999765

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	1.089	1.089	1689.40	0.00
STD1	4.000	3.994	0.006	17302.17	0.15
STD2	20.000	18.645	1.355	96046.37	6.77
STD3	100.000	100.271	0.271	534752.27	0.27

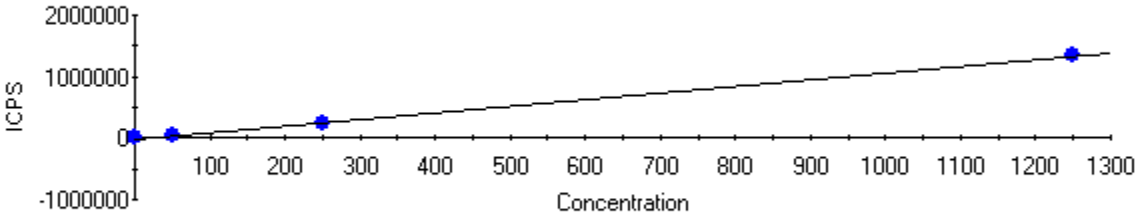
123Sb FQ Block 1



Intercept CPS=-3081.653235 Intercept Conc=-0.736162
Sensitivity=4186.105247 Correlation Coeff=0.999790

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	1.051	1.051	1319.12	0.00
STD1	4.000	3.957	0.043	13482.93	1.07
STD2	20.000	18.737	1.263	75355.29	6.31
STD3	100.000	100.254	0.254	416593.10	0.25

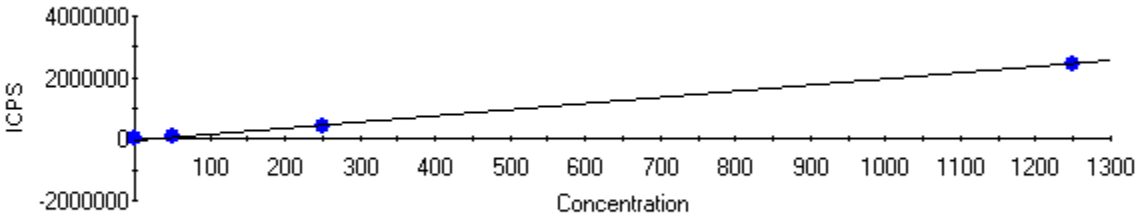
135Ba FQ Block 1



Intercept CPS=-10009.276175 Intercept Conc=-9.258073
Sensitivity=1081.140333 Correlation Coeff=0.999848

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	9.376	9.376	127.40	0.00
STD1	50.000	52.326	2.326	46562.26	4.65
STD2	250.000	235.489	14.511	244587.53	5.80
STD3	1250.000	1252.809	2.809	1344453.21	0.22

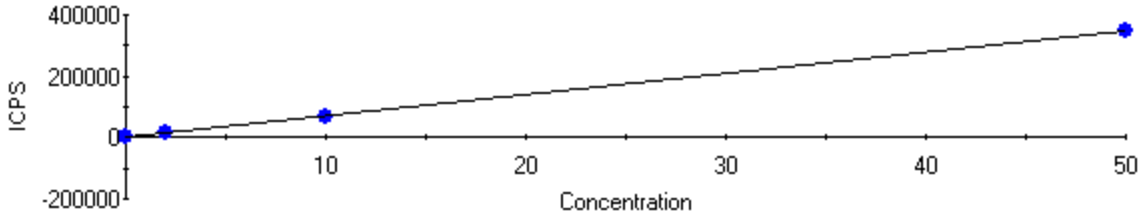
137Ba FQ Block 1



Intercept CPS=-22312.222399 Intercept Conc=-11.266236
Sensitivity=1980.450477 Correlation Coeff=0.999771

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	11.379	11.379	223.19	0.00
STD1	50.000	53.043	3.043	82736.77	6.09
STD2	250.000	232.125	17.875	437399.37	7.15
STD3	1250.000	1253.453	3.453	2460090.02	0.28

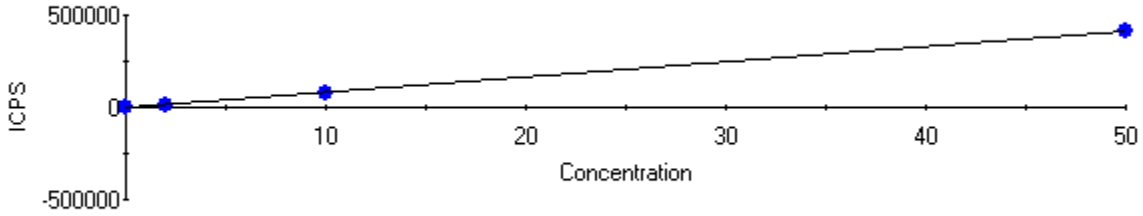
182W FQ Block 1



Intercept CPS=-473.025353 Intercept Conc=-0.068003
Sensitivity=6955.988005 Correlation Coeff=0.999956

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.223	0.223	1076.27	0.00
STD1	2.000	2.018	0.018	13566.09	0.91
STD2	10.000	9.700	0.300	66997.67	3.00
STD3	50.000	50.059	0.059	347739.13	0.12

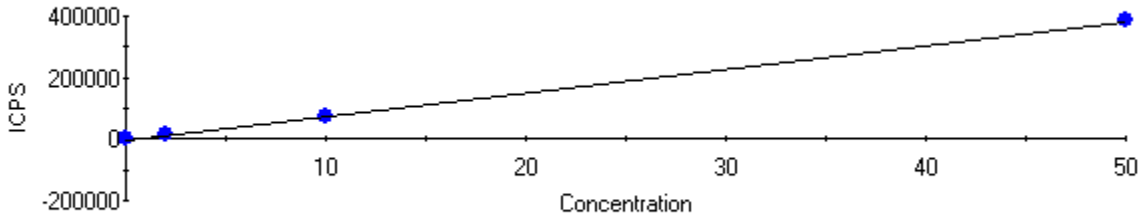
184W FQ Block 1



Intercept CPS=-771.739168 Intercept Conc=-0.094002
Sensitivity=8209.787142 Correlation Coeff=0.999941

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.245	0.245	1240.41	0.00
STD1	2.000	2.041	0.041	15983.57	2.04
STD2	10.000	9.645	0.355	78408.06	3.55
STD3	50.000	50.069	0.069	410287.80	0.14

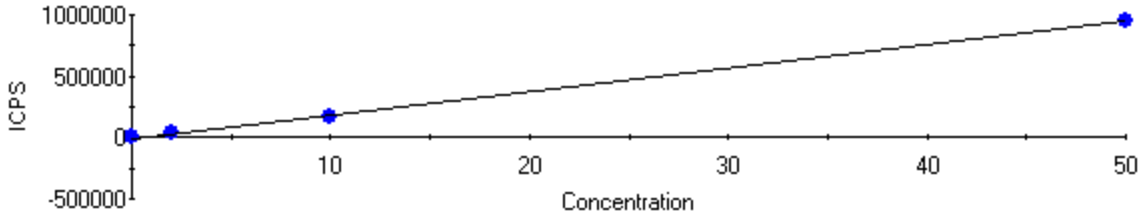
203Tl FQ Block 1



Intercept CPS=-1755.848568 Intercept Conc=-0.227979
Sensitivity=7701.807380 Correlation Coeff=0.999938

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.237	0.237	67.31	0.00
STD1	2.000	2.065	0.065	14147.69	3.25
STD2	10.000	9.626	0.374	72383.37	3.74
STD3	50.000	50.072	0.072	383890.29	0.14

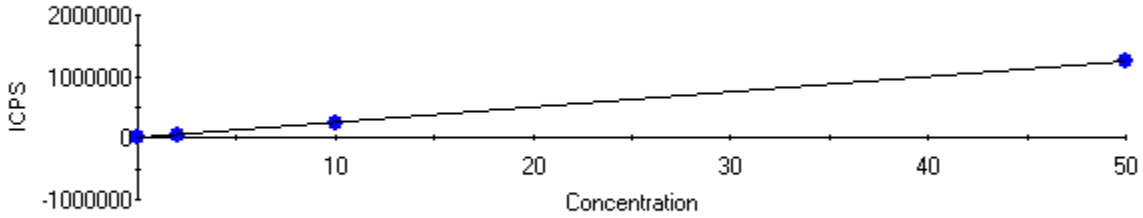
205Tl FQ Block 1



Intercept CPS=-6090.507712 Intercept Conc=-0.317497
Sensitivity=19182.899987 Correlation Coeff=0.999878

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.327	0.327	187.92	0.00
STD1	2.000	2.096	0.096	34108.33	4.78
STD2	10.000	9.476	0.524	175690.80	5.24
STD3	50.000	50.101	0.101	954990.71	0.20

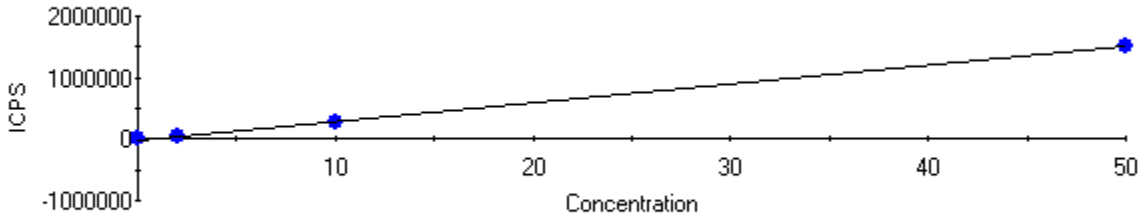
208Pb FQ Block 1



Intercept CPS=-5252.625393 Intercept Conc=-0.210139
Sensitivity=24996.007624 Correlation Coeff=0.999942

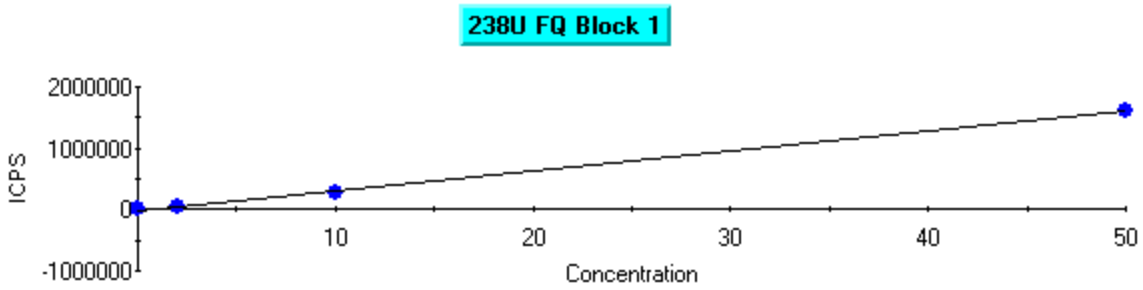
Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.229	0.229	480.71	0.00
STD1	2.000	2.061	0.061	46251.71	3.03
STD2	10.000	9.641	0.359	235726.00	3.59
STD3	50.000	50.069	0.069	1246283.55	0.14

232Th FQ Block 1



Intercept CPS=-19881.590974 Intercept Conc=-0.648187
Sensitivity=30672.601447 Correlation Coeff=0.999546

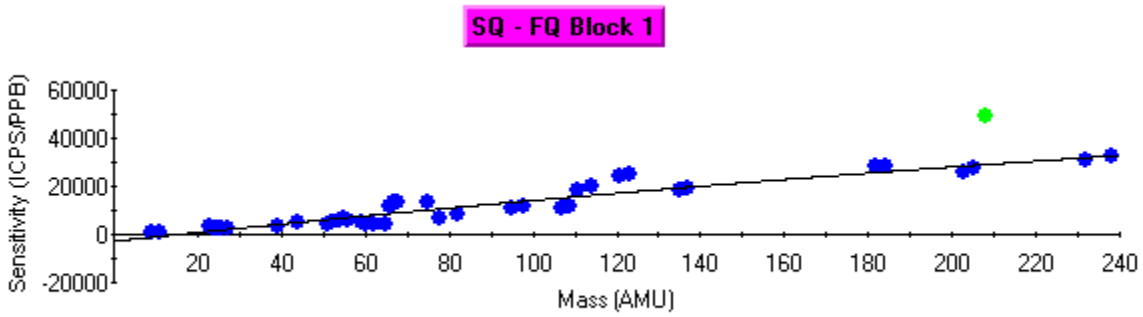
Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.689	0.689	1263.64	0.00
STD1	2.000	2.103	0.103	44625.09	5.15
STD2	10.000	9.015	0.985	256619.11	9.85
STD3	50.000	50.193	0.193	1519667.09	0.39



Intercept CPS=-14893.063865 Intercept Conc=-0.462689
Sensitivity=32188.051043 Correlation Coeff=0.999749

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.466	0.466	100.63	0.00
STD1	2.000	2.142	0.142	54046.91	7.09
STD2	10.000	9.248	0.752	282768.69	7.52
STD3	50.000	50.145	0.145	1599170.69	0.29

Semi Quant Calibration



Coeff 0=-2788.374259 Coeff 1=184.200168 Coeff 2=-0.149222

Symbol	Mass	RSF	Available	Excluded	Sensitivity Measured	Corrected	Calculated	%Error
9Be	9.01	0.7500	1	1	392.88	523.84	-1140.45	-317.7
11B	11.01	0.5800	1	1	374.20	796.30	-778.54	-197.8
23Na	22.99	1.0000	1	1	2968.39	2968.39	1367.48	-53.9
24Mg	23.99	0.9800	1	1	2005.36	2603.41	1543.83	-40.7
25Mg	24.99	0.9800	1	1	265.39	2678.59	1720.86	-35.8
26Mg	25.98	0.9800	1	1	313.83	2836.44	1896.88	-33.1
27Al	26.98	0.9800	1	1	2498.48	2549.47	2073.00	-18.7
39K	38.96	1.0000	1	1	2760.15	2965.36	4162.20	40.4
44Ca	43.96	0.9900	1	1	108.25	5133.48	5019.93	-2.2
51V	50.94	0.9900	1	1	4299.18	4353.06	6208.24	42.6
52Cr	51.94	0.9800	1	1	4015.98	4892.47	6376.50	30.3
54Fe	53.94	0.9600	1	1	321.02	5667.73	6713.15	18.4
55Mn	54.94	0.9500	1	1	6338.88	6672.51	6880.84	3.1
56Fe	55.93	0.9600	1	1	5479.49	6236.68	7047.98	13.0
59Co	58.93	0.9300	1	1	4675.40	5027.31	7548.86	50.2
60Ni	59.93	0.9100	1	1	906.65	3808.56	7714.93	102.6
62Ni	61.93	0.9100	1	1	136.38	4094.73	8046.55	96.5
65Cu	64.93	0.9000	1	1	1141.97	4105.02	8542.27	108.1
66Zn	65.93	0.3750	1	1	1175.79	11274.48	8706.66	-22.8
67Zn	66.93	0.3750	1	1	205.95	13362.76	8871.21	-33.6
68Zn	67.92	0.3750	1	1	913.90	13130.71	9034.92	-31.2
75As	74.92	0.0700	1	1	934.91	13355.86	10174.58	-23.8
78Se	77.92	0.1000	1	1	166.46	7050.27	10658.06	51.2
82Se	81.92	0.1000	1	1	70.55	7980.97	11299.37	41.6
95Mo	94.91	0.9800	1	1	1617.94	11170.21	13349.24	19.5
98Mo	97.91	0.9800	1	1	2749.46	11689.86	13815.46	18.2
107Ag	106.91	0.9300	1	1	5283.55	11063.74	15198.15	37.4
109Ag	108.90	0.9300	1	1	5179.95	11448.79	15502.09	35.4

111Cd	110.90	0.5660	1	1	1326.54	18224.77	15804.81	-13.3
114Cd	113.90	0.5660	1	1	3237.72	19855.44	16256.64	-18.1
121Sb	120.90	0.3900	1	1	5374.60	24071.66	17300.85	-28.1
123Sb	122.90	0.3900	1	1	4186.11	25107.84	17596.54	-29.9
135Ba	134.91	0.9100	1	1	1081.14	18028.32	19345.50	7.3
137Ba	136.91	0.9100	1	1	1980.45	19225.43	19632.81	2.1
182W	181.95	0.9400	1	1	6955.99	28126.14	25786.51	-8.3
184W	183.95	0.9400	1	1	8209.79	28504.62	26046.06	-8.6
203Tl	202.97	1.0000	1	1	7701.81	26107.82	28451.56	9.0
205Tl	204.97	1.0000	1	1	19182.90	27209.79	28698.17	5.5
208Pb	207.98	0.9700	0	1	24996.01	49196.41	29066.48	-40.9
232Th	232.04	1.0000	1	1	30672.60	30672.60	31918.73	4.1
238U	238.05	1.0000	1	1	32188.05	32421.49	32604.50	0.6

Dilution Corrected Concentrations

STD0 10/30/2010 01:18:52 PM

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:19:55	99.787%	0.000	0.133	3.658	15.630	47.380	7.603	-4.607	4.512
2	13:20:59	100.384%	0.000	0.150	3.330	22.490	49.400	9.892	-1.913	6.137
3	13:22:02	99.829%	0.000	0.130	3.784	24.710	48.270	9.246	-2.924	5.186
x		100.000%	0.000	0.138	3.591	20.940	48.350	8.914	-3.148	5.278
σ		0.334%	0.000	0.011	0.235	4.733	1.015	1.180	1.361	0.817
%RSD		0.334	0.000	7.879	6.533	22.600	2.100	13.240	43.230	15.470

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:19:55	0.000	0.000	87.050	104.000	99.364%	0.000	0.229	0.255	2.236
2	13:20:59	0.000	0.000	80.830	107.400	100.042%	0.000	0.245	0.243	1.837
3	13:22:02	0.000	0.000	76.880	105.700	100.595%	0.000	0.287	0.246	1.453
x		0.000	0.000	81.590	105.700	100.000%	0.000	0.254	0.248	1.842
σ		0.000	0.000	5.125	1.710	0.617%	0.000	0.030	0.006	0.391
%RSD		0.000	0.000	6.282	1.617	0.617	0.000	11.880	2.470	21.240

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:19:55	23.410	0.368	0.784	1.271	0.168	0.530	-0.004	-0.179	-0.164
2	13:20:59	23.920	0.366	2.724	1.278	0.104	0.275	-0.036	-0.227	-0.186
3	13:22:02	23.840	0.351	2.097	1.271	0.086	0.158	-0.039	-0.233	-0.149
x		23.720	0.362	1.868	1.273	0.119	0.321	-0.026	-0.213	-0.166
σ		0.275	0.009	0.990	0.004	0.043	0.190	0.019	0.030	0.019
%RSD		1.161	2.465	52.990	0.311	35.940	59.250	74.710	13.960	11.160

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:19:55	-0.144	0.069	0.307	-0.058	99.203%	2.735	3.444	0.118	-1.541
2	13:20:59	-0.247	0.068	0.166	0.082	100.863%	2.676	3.291	0.117	-1.939
3	13:22:02	-0.236	0.155	0.422	0.289	99.934%	2.484	3.176	0.117	-1.787
x		-0.209	0.097	0.298	0.104	100.000%	2.632	3.304	0.117	-1.756
σ		0.057	0.050	0.129	0.175	0.832%	0.132	0.135	0.001	0.201
%RSD		27.140	51.620	43.110	167.400	0.832	4.999	4.072	0.714	11.440

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:19:55	0.120	0.053	0.090	98.889%	1.154	1.119	9.387	11.370	98.681%
2	13:20:59	0.120	0.091	0.114	100.498%	1.081	1.040	9.374	11.390	99.679%
3	13:22:02	0.120	0.075	0.103	100.613%	1.034	0.995	9.367	11.380	101.640%
x		0.120	0.073	0.102	100.000%	1.089	1.051	9.376	11.380	100.000%
σ		0.000	0.019	0.012	0.964%	0.061	0.063	0.010	0.013	1.505%
%RSD		0.203	26.440	11.680	0.964	5.556	6.005	0.111	0.113	1.505

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:19:55	0.236	0.256	0.237	0.327	0.231	99.345%	0.000	0.695	0.466
2	13:20:59	0.222	0.247	0.237	0.328	0.230	100.918%	0.000	0.689	0.466
3	13:22:02	0.210	0.232	0.236	0.326	0.227	99.736%	0.000	0.684	0.466
x		0.223	0.245	0.237	0.327	0.229	100.000%	0.000	0.689	0.466
σ		0.013	0.012	0.001	0.001	0.002	0.819%	0.000	0.005	0.000
%RSD		5.811	4.933	0.309	0.332	0.826	0.819	0.000	0.748	0.059

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:27:31	100.735%	0.000	2.040	39.590	T 1030.000	T 1012.000	966.600	961.000	75.160
2	13:28:34	101.200%	0.000	2.031	41.630	T 1033.000	T 1025.000	979.800	967.000	75.330
3	13:29:38	101.303%	0.000	2.007	41.250	T 1032.000	T 1030.000	980.700	975.300	75.460
x		101.079%	0.000	2.026	40.820	T 1032.000	T 1023.000	975.700	967.800	75.320
σ		0.303%	0.000	0.017	1.084	T 1.563	T 9.403	7.896	7.219	0.150

%RSD		0.300	0.000	0.860	2.656	T 0.152	T 0.919	0.809	0.746	0.200
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	13:27:31	0.000	0.000	T 1024.000	1024.000	96.532%	0.000	4.015	4.047	4.947
2	13:28:34	0.000	0.000	T 1025.000	1032.000	96.982%	0.000	4.144	4.046	3.560
3	13:29:38	0.000	0.000	T 1014.000	1016.000	97.984%	0.000	3.955	3.993	2.964
x		0.000	0.000	T 1021.000	1024.000	97.166%	0.000	4.038	4.029	3.824
σ		0.000	0.000	T 6.026	7.820	0.743%	0.000	0.096	0.031	1.017
%RSD		0.000	0.000	T 0.590	0.764	0.765	0.000	2.384	0.761	26.610
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	13:27:31	203.300	4.071	188.700	10.360	3.966	4.463	4.114	4.167	3.980
2	13:28:34	202.500	4.174	191.900	10.370	3.878	4.189	4.079	4.206	4.069
3	13:29:38	202.200	4.051	190.800	10.440	3.973	3.956	3.987	4.035	4.281
x		202.700	4.099	190.400	10.390	3.939	4.202	4.060	4.136	4.110
σ		0.594	0.066	1.614	0.041	0.053	0.254	0.066	0.089	0.154
%RSD		0.293	1.613	0.848	0.397	1.345	6.042	1.620	2.162	3.755
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	13:27:31	4.013	1.971	1.925	2.094	96.563%	20.360	20.320	1.934	-1.271
2	13:28:34	4.069	1.996	1.836	1.831	98.342%	20.550	20.460	1.935	-1.427
3	13:29:38	4.160	2.048	1.882	2.124	98.243%	20.450	20.850	1.971	-2.149
x		4.081	2.005	1.881	2.016	97.716%	20.460	20.540	1.947	-1.616
σ		0.074	0.039	0.045	0.161	1.000%	0.093	0.275	0.021	0.469
%RSD		1.816	1.943	2.371	7.999	1.023	0.454	1.340	1.101	28.990
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	13:27:31	1.976	1.837	1.939	96.288%	3.624	3.586	52.040	53.110	98.374%
2	13:28:34	1.943	2.016	1.962	97.657%	4.030	3.999	52.230	52.900	98.267%
3	13:29:38	1.923	2.039	2.107	97.594%	4.329	4.286	52.700	53.120	99.143%
x		1.948	1.964	2.003	97.180%	3.994	3.957	52.330	53.040	98.595%
σ		0.027	0.111	0.091	0.773%	0.354	0.352	0.342	0.123	0.478%
%RSD		1.374	5.637	4.544	0.796	8.862	8.892	0.653	0.231	0.485
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	13:27:31	1.981	2.003	2.043	2.098	2.035	99.657%	0.000	2.005	2.136
2	13:28:34	2.033	2.045	2.063	2.084	2.083	99.749%	0.000	2.110	2.135
3	13:29:38	2.041	2.074	2.088	2.104	2.064	99.198%	0.000	2.195	2.154
x		2.018	2.041	2.065	2.096	2.061	99.535%	0.000	2.103	2.142
σ		0.033	0.035	0.022	0.010	0.024	0.295%	0.000	0.095	0.011
%RSD		1.631	1.735	1.089	0.490	1.174	0.297	0.000	4.519	0.504

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:35:07	101.720%	0.000	9.730	192.600	T 4922.000	T 4868.000	4978.000	4980.000	398.200
2	13:36:11	102.714%	0.000	9.818	193.500	T 4900.000	T 4885.000	5004.000	5028.000	397.500
3	13:37:14	102.203%	0.000	9.842	197.500	T 4986.000	T 4983.000	5072.000	5120.000	401.400
x		102.212%	0.000	9.796	194.500	T 4936.000	T 4912.000	5018.000	5043.000	399.000
σ		0.497%	0.000	0.059	2.602	T 44.720	T 62.180	48.600	71.010	2.112
%RSD		0.486	0.000	0.599	1.338	T 0.906	T 1.266	0.968	1.408	0.529

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:35:07	0.000	0.000	T 4830.000	4844.000	95.021%	0.000	19.450	19.510	5.141
2	13:36:11	0.000	0.000	T 4820.000	4839.000	96.817%	0.000	19.630	19.690	3.575
3	13:37:14	0.000	0.000	T 4969.000	4834.000	97.339%	0.000	19.830	19.770	2.819
x		0.000	0.000	T 4873.000	4839.000	96.392%	0.000	19.640	19.660	3.845
σ		0.000	0.000	T 82.940	4.870	1.216%	0.000	0.188	0.128	1.185
%RSD		0.000	0.000	T 1.702	0.101	1.261	0.000	0.960	0.653	30.810

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:35:07	965.700	19.530	T 1011.000	47.920	20.090	20.070	20.050	20.300	19.990
2	13:36:11	959.500	19.330	T 1003.000	47.630	19.690	19.050	19.450	20.000	20.310
3	13:37:14	976.200	19.430	T 1013.000	48.270	19.990	18.950	20.380	20.010	19.930
x		967.100	19.430	T 1009.000	47.940	19.920	19.360	19.960	20.100	20.080
σ		8.472	0.097	T 5.290	0.324	0.205	0.623	0.472	0.173	0.205
%RSD		0.876	0.499	T 0.524	0.676	1.029	3.217	2.366	0.863	1.022

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:35:07	20.130	9.975	9.671	9.867	95.248%	95.730	94.760	10.010	0.047
2	13:36:11	19.670	9.862	9.805	9.819	96.753%	95.950	95.790	9.760	-0.486
3	13:37:14	20.690	9.781	9.836	9.865	97.062%	96.810	95.110	9.986	-1.506
x		20.160	9.873	9.771	9.850	96.354%	96.160	95.220	9.917	-0.648
σ		0.511	0.097	0.088	0.027	0.970%	0.574	0.523	0.137	0.789
%RSD		2.535	0.986	0.897	0.277	1.007	0.597	0.550	1.381	121.600

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:35:07	9.935	9.782	9.798	94.657%	16.970	17.100	235.500	232.100	98.781%
2	13:36:11	9.920	9.895	9.836	96.789%	18.930	19.050	232.600	230.600	98.710%
3	13:37:14	9.884	10.180	9.974	96.586%	20.030	20.060	238.400	233.700	100.377%
x		9.913	9.952	9.869	96.011%	18.650	18.740	235.500	232.100	99.289%
σ		0.026	0.204	0.092	1.177%	1.550	1.507	2.878	1.530	0.942%
%RSD		0.264	2.051	0.937	1.226	8.314	8.041	1.222	0.659	0.949

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:35:07	9.576	9.529	9.740	9.383	9.628	99.064%	0.000	8.590	9.219
2	13:36:11	9.846	9.672	9.564	9.499	9.593	100.163%	0.000	9.088	9.196
3	13:37:14	9.677	9.732	9.574	9.547	9.702	99.604%	0.000	9.366	9.328
x		9.700	9.645	9.626	9.476	9.641	99.610%	0.000	9.015	9.248
σ		0.136	0.104	0.099	0.085	0.056	0.550%	0.000	0.393	0.071
%RSD		1.405	1.081	1.024	0.892	0.577	0.552	0.000	4.358	0.767

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:42:43	100.650%	0.000	49.280	984.700	T 24540.000	T 24490.000	T 24600.000	T 24530.000	T 1999.000
2	13:43:46	100.129%	0.000	49.840	M 1004.000	TM 25010.000	TM 25040.000	T 24910.000	T 24880.000	TM 2003.000
3	13:44:49	99.531%	0.000	M 51.000	M 1015.000	TM 25480.000	TM 25520.000	TM 25480.000	TM 25570.000	T 1999.000
x		100.103%	0.000	M 50.040	M 1001.000	TM 25010.000	TM 25020.000	TM 25000.000	TM 24990.000	TM 2000.000
σ		0.560%	0.000	M 0.880	M 15.160	TM 471.900	TM 512.900	TM 450.100	TM 532.500	TM 2.408
%RSD		0.559	0.000	M 1.760	M 1.514	TM 1.887	TM 2.050	TM 1.800	TM 2.131	TM 0.120

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:42:43	0.000	0.000	T 24530.000	24970.000	94.329%	0.000	M 100.900	M 100.400	5.001
2	13:43:46	0.000	0.000	TM 25090.000	T 24990.000	95.432%	0.000	98.920	99.790	4.419
3	13:44:49	0.000	0.000	TM 25460.000	M 25130.000	96.862%	0.000	M 100.400	99.990	2.948
x		0.000	0.000	TM 25020.000	TM 25030.000	95.541%	0.000	M 100.100	M 100.100	4.123
σ		0.000	0.000	TM 465.000	TM 83.520	1.270%	0.000	M 1.031	M 0.326	1.058
%RSD		0.000	0.000	TM 1.858	TM 0.334	1.329	0.000	M 1.030	M 0.326	25.660
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	13:42:43	M 5002.000	99.710	T 4977.000	248.300	99.480	99.690	M 100.000	99.880	99.840
2	13:43:46	M 5020.000	M 100.100	TM 5005.000	M 250.800	99.690	99.050	99.880	M 100.700	M 101.000
3	13:44:49	4997.000	M 100.500	TM 5014.000	M 252.000	M 100.900	M 101.600	M 100.100	99.370	99.120
x		M 5006.000	M 100.100	TM 4999.000	M 250.400	M 100.000	M 100.100	M 100.000	M 99.970	M 99.980
σ		M 12.280	M 0.400	TM 19.250	M 1.873	M 0.761	M 1.343	M 0.117	M 0.656	M 0.943
%RSD		M 0.245	M 0.400	TM 0.385	M 0.748	M 0.761	M 1.341	M 0.117	M 0.656	M 0.943
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	13:42:43	99.410	49.850	49.790	49.940	94.912%	498.600	498.500	49.920	2.241
2	13:43:46	M 100.600	49.600	49.530	M 50.410	96.706%	499.900	499.100	M 50.430	1.454
3	13:44:49	99.920	M 50.630	M 50.840	49.740	95.896%	M 503.700	M 505.200	49.700	1.766
x		M 99.960	M 50.030	M 50.050	M 50.030	95.838%	M 500.700	M 500.900	M 50.020	1.820
σ		M 0.576	M 0.540	M 0.695	M 0.344	0.898%	M 2.654	M 3.715	M 0.377	0.397
%RSD		M 0.576	M 1.079	M 1.388	M 0.689	0.937	M 0.530	M 0.742	M 0.754	21.790
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	13:42:43	M 50.090	50.000	49.980	94.727%	94.110	94.050	1248.000	M 1254.000	101.003%
2	13:43:46	M 50.120	M 50.180	M 50.300	95.309%	M 102.600	M 102.800	M 1267.000	M 1267.000	100.943%
3	13:44:49	49.850	49.860	49.790	97.191%	M 104.100	M 104.000	1243.000	1239.000	100.766%
x		M 50.020	M 50.010	M 50.030	95.742%	M 100.300	M 100.300	M 1253.000	M 1253.000	100.904%
σ		M 0.150	M 0.160	M 0.258	1.288%	M 5.390	M 5.407	M 12.330	M 14.210	0.123%
%RSD		M 0.299	M 0.320	M 0.515	1.345	M 5.376	M 5.393	M 0.984	M 1.133	0.122
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	13:42:43	49.020	48.790	49.930	49.780	49.960	98.779%	0.000	49.610	M 50.000
2	13:43:46	M 50.710	M 50.590	M 50.020	M 50.280	M 50.060	99.680%	0.000	M 50.120	49.830
3	13:44:49	M 50.450	M 50.820	M 50.260	M 50.250	M 50.180	99.152%	0.000	M 50.850	M 50.600
x		M 50.060	M 50.070	M 50.070	M 50.100	M 50.070	99.204%	0.000	M 50.190	M 50.140
σ		M 0.910	M 1.114	M 0.172	M 0.281	M 0.110	0.453%	0.000	M 0.625	M 0.407
%RSD		M 1.818	M 2.224	M 0.343	M 0.561	M 0.219	0.457	0.000	M 1.245	M 0.813

ICV 10/30/2010 01:49:16 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:50:19	101.665%	0.000	25.570	491.500	T 12290.000	T 12320.000	T 12270.000	T 12290.000	T 972.500
2	13:51:22	101.111%	0.000	25.100	504.100	T 12400.000	T 12520.000	T 12540.000	T 12520.000	T 978.700
3	13:52:26	100.805%	0.000	25.920	505.900	T 12590.000	T 12720.000	T 12720.000	T 12750.000	T 987.200
x		101.194%	0.000	102.121%	100.094%	T 99.434%	T 12520.000	T 100.100%	T 100.165%	T 97.947%
σ		0.436%	0.000	n/a	n/a	T n/a	T 200.800	T n/a	T n/a	T n/a
%RSD		0.431	0.000	1.615	1.572	T 1.208	T 1.604	T 1.823	T 1.855	T 0.754

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:50:19	0.000	0.000	T 12320.000	12140.000	96.978%	0.000	48.570	49.190	5.704
2	13:51:22	0.000	0.000	T 12560.000	12270.000	97.532%	0.000	49.860	50.200	3.612
3	13:52:26	0.000	0.000	T 12770.000	12230.000	98.599%	0.000	49.180	49.800	2.791
x		0.000	0.000	T 100.398%	97.706%	97.703%	0.000	98.410%	99.466%	4.036
σ		0.000	0.000	T n/a	n/a	0.824%	0.000	n/a	n/a	1.502
%RSD		0.000	0.000	T 1.775	0.519	0.843	0.000	1.314	1.023	37.220

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:50:19	2419.000	48.230	T 2492.000	123.700	49.520	50.260	49.190	49.230	55.040
2	13:51:22	2443.000	48.200	T 2503.000	125.000	49.940	50.560	50.220	49.200	54.240
3	13:52:26	2433.000	48.620	T 2498.000	124.200	50.020	49.610	49.130	48.960	56.420
x		2432.000	96.698%	T 99.897%	99.450%	99.652%	100.283%	99.024%	98.263%	110.464%
σ		11.950	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.491	0.479	T 0.221	0.504	0.533	0.964	1.234	0.295	1.995

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:50:19	54.520	25.410	25.210	25.300	96.918%	243.100	240.500	23.070	-1.267
2	13:51:22	55.090	25.220	25.070	25.160	98.404%	245.600	244.100	23.160	-0.119
3	13:52:26	55.130	25.250	25.120	25.470	98.449%	246.900	245.700	23.210	-0.620
x		109.832%	101.174%	100.536%	101.242%	97.924%	98.068%	243.400	92.589%	-0.669
σ		n/a	n/a	n/a	n/a	0.871%	n/a	2.631	n/a	0.576
%RSD		0.625	0.404	0.295	0.617	0.890	0.779	1.081	0.303	86.120

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:50:19	23.120	24.960	24.500	96.504%	47.460	47.460	1207.000	1216.000	101.842%
2	13:51:22	22.930	24.850	23.900	98.732%	50.260	50.010	1188.000	1192.000	102.077%
3	13:52:26	23.320	24.570	24.350	98.462%	51.740	51.810	1204.000	1211.000	102.315%
x		92.504%	99.165%	97.007%	97.899%	99.640%	99.529%	95.972%	96.535%	102.078%
σ		n/a	n/a	n/a	1.216%	n/a	n/a	n/a	n/a	0.237%
%RSD		0.834	0.808	1.287	1.242	4.369	4.392	0.819	1.064	0.232

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:50:19	23.740	23.600	22.980	22.620	24.200	100.912%	0.000	22.460	23.690
2	13:51:22	23.900	23.880	23.010	22.640	24.410	101.029%	0.000	23.230	24.020
3	13:52:26	24.270	24.010	23.280	22.750	24.260	102.273%	0.000	23.450	24.080
x		95.877%	95.327%	92.365%	90.684%	97.153%	101.405%	0.000	23.050	23.930
σ		n/a	n/a	n/a	n/a	n/a	0.754%	0.000	0.522	0.213
%RSD		1.139	0.884	0.706	0.313	0.436	0.744	0.000	2.266	0.890

ICB 10/30/2010 01:56:52 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:57:56	104.299%	0.000	0.155	14.830	72.400	46.650	8.162	-4.774	3.932
2	13:58:59	104.391%	0.000	0.155	13.730	64.440	46.950	7.491	-4.511	4.061
3	14:00:02	103.989%	0.000	0.131	12.590	62.300	51.340	13.320	-0.110	4.760
x		104.226%	0.000	0.147	13.710	66.380	48.320	9.656	-3.131	4.251
σ		0.211%	0.000	0.014	1.121	5.322	2.628	3.187	2.620	0.445
%RSD		0.202	0.000	9.522	8.178	8.017	5.438	33.000	83.680	10.480

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:57:56	0.000	0.000	-17.390	105.100	98.493%	0.000	0.258	0.335	4.778
2	13:58:59	0.000	0.000	-28.300	106.400	99.286%	0.000	0.291	0.280	3.220
3	14:00:02	0.000	0.000	-26.800	108.600	99.760%	0.000	0.184	0.296	2.584
x		0.000	0.000	-24.170	106.700	99.180%	0.000	0.244	0.303	3.527
σ		0.000	0.000	5.912	1.750	0.640%	0.000	0.055	0.028	1.129
%RSD		0.000	0.000	24.460	1.640	0.645	0.000	22.460	9.290	32.000
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	13:57:56	24.400	0.330	3.723	1.274	0.165	0.438	0.189	-0.315	-0.221
2	13:58:59	25.400	0.346	4.317	1.274	0.139	0.592	0.046	-0.303	-0.125
3	14:00:02	25.420	0.371	5.588	1.316	0.151	0.401	0.049	-0.298	-0.263
x		25.070	0.349	4.543	1.288	0.152	0.477	0.095	-0.306	-0.203
σ		0.583	0.020	0.953	0.024	0.013	0.101	0.082	0.009	0.071
%RSD		2.325	5.868	20.970	1.874	8.380	21.240	85.970	2.854	34.860
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	13:57:56	-0.331	0.162	-0.385	-0.014	99.123%	3.191	3.775	0.120	-1.898
2	13:58:59	-0.311	0.103	-0.133	0.015	98.790%	2.972	3.512	0.117	-1.684
3	14:00:02	-0.303	0.188	-0.251	0.318	99.234%	2.786	3.437	0.128	-1.972
x		-0.315	0.151	-0.256	0.106	99.049%	2.983	3.575	0.122	-1.851
σ		0.014	0.044	0.126	0.184	0.231%	0.203	0.178	0.006	0.150
%RSD		4.564	29.020	49.250	172.700	0.233	6.799	4.969	4.621	8.102
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	13:57:56	0.123	0.091	0.110	98.543%	2.385	2.350	9.352	11.370	98.959%
2	13:58:59	0.121	0.066	0.103	99.342%	2.054	2.014	9.414	11.400	100.604%
3	14:00:02	0.126	0.098	0.127	99.975%	1.840	1.807	9.654	11.630	100.189%
x		0.123	0.085	0.113	99.287%	2.093	2.057	9.473	11.470	99.917%
σ		0.002	0.017	0.012	0.717%	0.275	0.274	0.160	0.146	0.856%
%RSD		1.899	19.700	10.910	0.722	13.140	13.320	1.683	1.273	0.856
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	13:57:56	0.645	0.684	0.235	0.322	0.233	102.258%	0.000	0.827	0.472
2	13:58:59	0.553	0.590	0.235	0.324	0.234	102.542%	0.000	0.797	0.470
3	14:00:02	0.541	0.527	0.242	0.332	0.242	101.885%	0.000	0.788	0.477
x		0.580	0.600	0.237	0.326	0.236	102.228%	0.000	0.804	0.473
σ		0.057	0.079	0.004	0.005	0.005	0.329%	0.000	0.021	0.004
%RSD		9.811	13.190	1.624	1.615	2.130	0.322	0.000	2.559	0.794

ICSA 10/30/2010 02:04:30 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	p
1	14:05:33	91.814%	0.000	0.144	37.230	TM 92120.000	TM 91990.000	TM 92880.000	TM 92920.000	TM 95210.0
2	14:06:37	90.408%	0.000	0.170	38.270	TM 97620.000	TM 97660.000	TM 98770.000	TM 99350.000	TM 93850.0
3	14:07:40	88.316%	0.000	0.138	39.090	TM 103000.000	TM 102900.000	TM 103700.000	TM 103900.000	TM 94770.0
x		90.179%	0.000	0.150	38.200	TM 97.585%	TM 97500.000	TM 98.446%	TM 98.723%	TM 94.608
σ		1.760%	0.000	0.017	0.930	TM n/a	TM 5444.000	TM n/a	TM n/a	TM r
%RSD		1.952	0.000	11.440	2.435	TM 5.579	TM 5.583	TM 5.499	TM 5.587	TM 0.7

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	p
1	14:05:33	T 0.000	0.000	TM 92270.000	TM 97350.000	84.891%	0.000	0.897	1.720	24.0
2	14:06:37	T 0.000	0.000	TM 97370.000	TM 95560.000	90.054%	0.000	0.258	1.716	22.8
3	14:07:40	T 0.000	0.000	TM 103200.000	TM 97190.000	91.433%	0.000	0.881	1.738	22.1
x		T 0.000	0.000	TM 97.630%	TM 96.701%	88.793%	0.000	0.679	1.725	23.0
σ		T 0.000	0.000	TM n/a	TM n/a	3.449%	0.000	0.365	0.012	0.9
%RSD		T 0.000	0.000	TM 5.628	TM 1.025	3.884	0.000	53.750	0.688	4.2

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	p
1	14:05:33	TM 93940.000	0.576	TM 93610.000	1.379	-2.182	8.164	1.201	0.066	2.4
2	14:06:37	TM 91780.000	0.577	TM 91610.000	1.395	-2.269	8.384	1.049	-0.171	2.7
3	14:07:40	TM 92710.000	0.579	TM 93170.000	1.390	-2.242	9.375	0.978	0.098	2.6
x		TM 92810.000	0.577	TM 92.797%	1.388	-2.231	8.641	1.076	-0.002	2.6
σ		TM 1082.000	0.002	TM n/a	0.008	0.044	0.645	0.114	0.147	0.1
%RSD		TM 1.165	0.292	TM 1.134	0.563	1.992	7.463	10.590	6651.000	4.6

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	p
1	14:05:33	2.002	0.149	1.169	-0.226	87.370%	M 1954.000	TM 2019.000	0.256	6.2
2	14:06:37	2.111	0.285	2.223	0.081	88.874%	M 1965.000	TM 2050.000	0.224	6.9
3	14:07:40	1.764	0.257	2.803	-0.083	91.810%	TM 2071.000	TM 2028.000	0.229	6.4
x		1.959	0.230	2.065	-0.076	89.351%	TM 99.833%	TM 2033.000	0.236	6.5
σ		0.177	0.071	0.828	0.153	2.258%	TM n/a	TM 16.160	0.017	0.3
%RSD		9.053	31.040	40.110	201.900	2.527	TM 3.218	TM 0.795	7.349	5.5

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	p
1	14:05:33	0.236	0.315	0.230	86.678%	1.845	1.790	9.723	11.670	91.676
2	14:06:37	0.233	0.152	0.255	90.850%	1.686	1.653	9.735	11.700	94.359
3	14:07:40	0.245	0.236	0.254	90.850%	1.618	1.571	9.737	11.640	93.998
x		0.238	0.234	0.246	89.459%	1.716	1.671	9.731	11.670	93.344
σ		0.006	0.082	0.014	2.408%	0.116	0.111	0.007	0.030	1.456
%RSD		2.535	34.770	5.622	2.692	6.775	6.628	0.073	0.257	1.5

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	23
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	p
1	14:05:33	0.505	0.536	0.239	0.332	0.394	87.781%	0.000	0.866	0.4
2	14:06:37	0.494	0.505	0.241	0.330	0.401	88.943%	0.000	0.790	0.4
3	14:07:40	0.472	0.491	0.243	0.333	0.399	88.018%	0.000	0.762	0.4
x		0.490	0.511	0.241	0.332	0.398	88.248%	0.000	0.806	0.4
σ		0.017	0.024	0.002	0.001	0.004	0.614%	0.000	0.054	0.0
%RSD		3.465	4.611	0.666	0.434	0.985	0.696	0.000	6.662	0.1

ICSAB 10/30/2010 02:12:08 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	2
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	14:13:11	85.720%	0.000	18.050	204.600	TM 111800.000	TM 110500.000	TM 110500.000	TM 110400.000	TM 94450
2	14:14:15	84.443%	0.000	18.930	208.900	TM 114600.000	TM 114300.000	TM 114200.000	TM 114700.000	TM 95430
3	14:15:18	83.091%	0.000	18.980	212.000	TM 117500.000	TM 117500.000	TM 117600.000	TM 117700.000	TM 94550
x		84.418%	0.000	93.263%	104.256%	TM 114.663%	TM 114100.000	TM 114.079%	TM 114.289%	TM 94.8
σ		1.315%	0.000	n/a	n/a	TM n/a	TM 3502.000	TM n/a	TM n/a	TM
%RSD		1.558	0.000	2.798	1.764	TM 2.490	TM 3.069	TM 3.129	TM 3.230	TM 0

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	14:13:11	T 0.000	0.000	TM 110400.000	TM 97350.000	95.138%	0.000	32.500	35.730	23
2	14:14:15	T 0.000	T 0.000	TM 114300.000	TM 97490.000	96.486%	0.000	31.910	35.070	23
3	14:15:18	T 0.000	T 0.000	TM 116800.000	TM 97220.000	98.118%	0.000	32.230	35.080	22
x		T 0.000	T 0.000	TM 113.862%	TM 97.351%	96.580%	0.000	80.528%	88.236%	23
σ		T 0.000	T 0.000	TM n/a	TM n/a	1.492%	0.000	n/a	n/a	0
%RSD		T 0.000	T 0.000	TM 2.840	TM 0.138	1.545	0.000	0.916	1.070	4
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**6**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	
1	14:13:11	TM 92540.000	34.630	TM 92760.000	41.170	76.950	87.860	79.630	83.410	76
2	14:14:15	TM 92550.000	34.730	TM 92530.000	40.670	77.400	89.400	79.390	84.610	78
3	14:15:18	TM 92230.000	34.380	TM 91960.000	40.370	75.760	89.320	78.360	83.300	77
x		TM 92440.000	86.458%	TM 92.416%	81.477%	76.707%	88.861%	79.131%	83.774%	77.5
σ		TM 184.300	n/a	TM n/a	n/a	n/a	n/a	n/a	n/a	
%RSD		TM 0.199	0.519	TM 0.446	0.996	1.105	0.975	0.852	0.867	0
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108M**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	
1	14:13:11	80.950	19.100	19.950	17.150	94.392%	TM 2045.000	TM 1990.000	17.450	8
2	14:14:15	79.910	18.740	20.940	16.720	95.606%	M 1922.000	TM 2006.000	17.220	6
3	14:15:18	78.970	19.210	21.770	16.990	95.672%	TM 2070.000	TM 2026.000	17.110	5
x		79.942%	95.083%	104.443%	84.760%	95.224%	TM 100.626%	TM 2007.000	86.290%	6
σ		n/a	n/a	n/a	n/a	0.721%	TM n/a	TM 18.320	n/a	1
%RSD		1.241	1.293	4.357	1.277	0.757	TM 3.950	TM 0.913	0.998	15
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**15**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	
1	14:13:11	17.510	19.420	18.700	91.751%	91.380	91.450	391.300	385.700	96.6
2	14:14:15	17.270	19.130	18.890	93.343%	91.250	90.880	396.300	382.600	96.9
3	14:15:18	17.120	19.100	18.870	94.625%	90.210	89.980	386.900	381.400	96.2
x		86.511%	96.085%	94.098%	93.239%	90.946%	90.771%	78.303%	76.648%	96.6
σ		n/a	n/a	n/a	1.440%	n/a	n/a	n/a	n/a	0.3
%RSD		1.142	0.938	0.533	1.544	0.708	0.815	1.203	0.583	0.
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**2**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	
1	14:13:11	17.460	17.270	16.460	15.980	16.880	88.295%	0.000	16.910	16
2	14:14:15	17.340	17.260	16.180	15.790	17.090	88.268%	0.000	16.380	16
3	14:15:18	17.550	17.440	16.730	16.250	17.270	86.589%	0.000	16.720	16
x		87.248%	86.605%	82.274%	80.040%	85.389%	87.717%	0.000	16.670	16
σ		n/a	n/a	n/a	n/a	n/a	0.977%	0.000	0.269	0
%RSD		0.624	0.585	1.695	1.437	1.140	1.114	0.000	1.616	0

CCV 10/30/2010 02:19:45 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:20:49	90.185%	0.000	11.270	236.900	T 6749.000	T 6476.000	6425.000	6609.000	421.400
2	14:21:52	92.028%	0.000	11.570	237.000	T 6768.000	T 6486.000	6590.000	6627.000	459.400
3	14:22:55	92.038%	0.000	11.630	243.600	T 6880.000	T 6631.000	6717.000	T 6523.000	450.500
x		91.417%	0.000	114.901%	119.579%	T 135.980%	T 6531.000	131.549%	T 131.730%	110.940%
σ		1.067%	0.000	n/a	n/a	T n/a	T 86.720	n/a	T n/a	n/a
%RSD		1.167	0.000	1.657	1.603	T 1.041	T 1.328	2.222	T 0.845	4.472
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:20:49	0.000	T 0.000	T 6768.000	4809.000	111.699%	0.000	18.670	18.990	8.775
2	14:21:52	0.000	T 0.000	T 6814.000	4854.000	112.827%	0.000	18.810	19.090	7.058
3	14:22:55	0.000	T 0.000	T 6901.000	4882.000	115.079%	0.000	18.910	18.870	5.719
x		0.000	T 0.000	T 136.552%	96.964%	113.202%	0.000	93.978%	94.918%	7.184
σ		0.000	T 0.000	T n/a	n/a	1.721%	0.000	n/a	n/a	1.532
%RSD		0.000	T 0.000	T 0.991	0.760	1.520	0.000	0.634	0.583	21.330
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:20:49	967.500	18.880	T 1011.000	46.450	19.120	21.480	18.830	19.350	20.150
2	14:21:52	1006.000	19.020	T 1056.000	46.630	19.070	21.910	18.970	19.280	19.340
3	14:22:55	989.400	18.850	T 1044.000	46.520	19.120	21.890	18.730	19.120	19.180
x		987.700	94.577%	T 103.698%	93.067%	95.516%	108.796%	94.212%	96.238%	97.782%
σ		19.380	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.962	0.485	T 2.248	0.203	0.147	1.100	0.648	0.625	2.657
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:20:49	19.580	9.632	10.450	9.854	109.719%	95.510	95.150	9.736	-1.656
2	14:21:52	19.730	9.727	11.260	9.765	110.987%	97.120	95.150	9.685	-0.968
3	14:22:55	19.630	9.870	11.050	9.772	111.753%	98.160	95.910	9.582	-0.947
x		98.249%	97.430%	109.192%	97.966%	110.819%	96.932%	95.400	96.677%	-1.190
σ		n/a	n/a	n/a	n/a	1.027%	n/a	0.438	n/a	0.404
%RSD		0.389	1.227	3.848	0.506	0.927	1.380	0.459	0.809	33.920
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:20:49	9.476	9.466	9.568	107.656%	16.450	16.500	227.800	225.100	106.540%
2	14:21:52	9.665	9.528	9.562	108.476%	18.450	18.410	227.800	222.800	106.312%
3	14:22:55	9.477	9.845	9.549	110.372%	19.210	19.290	229.300	225.400	107.992%
x		95.394%	96.131%	95.599%	108.835%	90.171%	90.330%	91.316%	89.773%	106.948%
σ		n/a	n/a	n/a	1.393%	n/a	n/a	n/a	n/a	0.911%
%RSD		1.142	2.111	0.103	1.280	7.917	7.892	0.369	0.635	0.852
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:20:49	9.438	9.375	9.555	9.274	9.364	104.009%	0.000	8.226	8.858
2	14:21:52	9.350	9.400	9.669	9.341	9.516	102.564%	0.000	8.895	8.936
3	14:22:55	9.474	9.449	9.580	9.307	9.492	105.177%	0.000	8.912	8.842
x		94.208%	94.083%	96.014%	93.072%	94.575%	103.917%	0.000	8.678	8.879
σ		n/a	n/a	n/a	n/a	n/a	1.309%	0.000	0.392	0.050
%RSD		0.677	0.402	0.628	0.361	0.863	1.259	0.000	4.512	0.566

CCB 10/30/2010 02:27:21 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:28:24	93.593%	0.000	0.175	10.860	314.700	84.220	44.370	34.300	26.210
2	14:29:27	94.568%	0.000	0.142	9.567	T 346.300	89.770	50.290	39.830	29.860
3	14:30:31	94.709%	0.000	0.168	9.188	295.300	79.900	40.800	29.160	24.730
x		94.290%	0.000	0.162	9.872	T 318.800	84.630	45.150	34.430	26.930
σ		0.608%	0.000	0.018	0.878	T 25.750	4.946	4.794	5.336	2.639
%RSD		0.645	0.000	10.930	8.891	T 8.076	5.844	10.620	15.500	9.800
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:28:24	0.000	T 0.000	T 285.100	130.700	112.241%	0.000	0.263	0.344	6.551
2	14:29:27	0.000	T 0.000	T 271.300	129.800	113.806%	0.000	0.244	0.366	5.239
3	14:30:31	0.000	T 0.000	248.600	128.300	113.855%	0.000	0.478	0.336	4.200
x		0.000	T 0.000	T 268.300	129.600	113.301%	0.000	0.329	0.349	5.330
σ		0.000	T 0.000	T 18.410	1.190	0.918%	0.000	0.130	0.015	1.178
%RSD		0.000	T 0.000	T 6.861	0.918	0.810	0.000	39.610	4.383	22.100
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	14:28:24	46.670	0.379	32.640	1.316	0.194	1.006	-0.063	-0.300	-0.141
2	14:29:27	50.300	0.373	37.060	1.325	0.122	0.855	-0.064	-0.281	-0.154
3	14:30:31	45.640	0.365	32.080	1.295	0.213	0.764	-0.146	-0.283	-0.129
x		47.540	0.372	33.930	1.312	0.176	0.875	-0.091	-0.288	-0.141
σ		2.451	0.007	2.729	0.015	0.048	0.123	0.048	0.011	0.013
%RSD		5.156	1.867	8.045	1.159	27.190	14.010	52.500	3.762	9.020
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	14:28:24	-0.312	0.115	0.837	0.087	109.726%	3.835	4.367	0.128	-1.660
2	14:29:27	-0.304	0.245	0.966	0.190	110.336%	3.653	4.333	0.126	-2.180
3	14:30:31	-0.344	0.210	0.887	0.071	110.885%	3.433	4.018	0.128	-2.093
x		-0.320	0.190	0.897	0.116	110.316%	3.640	4.239	0.127	-1.978
σ		0.021	0.068	0.065	0.064	0.580%	0.202	0.193	0.001	0.278
%RSD		6.683	35.560	7.287	55.750	0.526	5.536	4.542	0.942	14.070
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	14:28:24	0.129	0.074	0.106	107.431%	1.618	1.569	9.625	11.650	105.500%
2	14:29:27	0.130	0.125	0.136	109.218%	1.442	1.412	9.707	11.690	107.781%
3	14:30:31	0.128	0.109	0.130	109.932%	1.329	1.294	9.608	11.570	107.336%
x		0.129	0.102	0.124	108.860%	1.463	1.425	9.647	11.640	106.872%
σ		0.001	0.026	0.016	1.288%	0.146	0.138	0.053	0.058	1.209%
%RSD		0.989	25.470	12.640	1.183	9.970	9.700	0.548	0.499	1.131
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	14:28:24	0.301	0.336	0.249	0.339	0.243	104.584%	0.000	0.772	0.474
2	14:29:27	0.309	0.336	0.250	0.339	0.242	105.291%	0.000	0.754	0.476
3	14:30:31	0.261	0.299	0.243	0.335	0.242	103.635%	0.000	0.741	0.474
x		0.290	0.324	0.247	0.338	0.242	104.503%	0.000	0.756	0.475
σ		0.026	0.022	0.004	0.002	0.001	0.831%	0.000	0.016	0.001
%RSD		8.905	6.677	1.562	0.679	0.296	0.795	0.000	2.096	0.158

MB 200-8516/1-A 10/30/2010 02:34:57 PM

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:36:00	94.514%	0.000	0.150	9.110	327.700	90.730	52.940	38.090	37.580
2	14:37:04	95.608%	0.000	0.162	9.086	315.600	86.340	46.470	36.720	33.840
3	14:38:07	96.675%	0.000	0.172	8.661	298.400	86.390	46.820	35.840	34.120
x		95.599%	0.000	0.161	8.952	313.900	87.820	48.740	36.880	35.180
σ		1.080%	0.000	0.011	0.252	14.710	2.519	3.638	1.135	2.086
%RSD		1.130	0.000	6.847	2.817	4.687	2.869	7.463	3.078	5.930

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:36:00	0.000	T 0.000	210.800	143.800	110.515%	0.000	0.433	0.927	6.170
2	14:37:04	0.000	T 0.000	192.700	144.700	112.347%	0.000	0.282	0.905	5.072
3	14:38:07	0.000	T 0.000	T 171.700	141.800	113.459%	0.000	0.365	0.931	3.999
x		0.000	T 0.000	T 191.800	143.400	112.107%	0.000	0.360	0.921	5.080
σ		0.000	T 0.000	T 19.580	1.474	1.486%	0.000	0.076	0.014	1.086
%RSD		0.000	T 0.000	T 10.210	1.028	1.326	0.000	21.080	1.497	21.370

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:36:00	121.500	0.835	83.770	1.300	0.373	0.729	0.755	1.443	1.464
2	14:37:04	118.800	0.797	79.310	1.300	0.364	1.081	0.799	1.306	1.233
3	14:38:07	117.700	0.812	79.680	1.301	0.313	0.840	0.747	1.356	1.276
x		119.400	0.814	80.920	1.300	0.350	0.883	0.767	1.368	1.325
σ		1.958	0.019	2.477	0.001	0.032	0.180	0.028	0.069	0.123
%RSD		1.640	2.338	3.061	0.053	9.208	20.390	3.635	5.076	9.258

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:36:00	1.149	0.093	0.139	0.046	109.772%	3.436	4.128	0.127	-1.610
2	14:37:04	1.121	0.097	0.354	-0.059	110.430%	3.282	3.976	0.121	-1.870
3	14:38:07	1.120	0.176	0.510	0.045	111.381%	3.233	3.880	0.129	-1.798
x		1.130	0.122	0.334	0.011	110.528%	3.317	3.995	0.126	-1.759
σ		0.016	0.047	0.187	0.061	0.808%	0.106	0.125	0.004	0.134
%RSD		1.449	38.090	55.840	567.100	0.731	3.194	3.130	3.572	7.616

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:36:00	0.123	0.072	0.054	109.094%	1.375	1.328	9.536	11.560	108.187%
2	14:37:04	0.128	0.101	0.090	108.961%	1.252	1.206	9.555	11.540	108.980%
3	14:38:07	0.126	0.084	0.075	109.701%	1.187	1.141	9.551	11.520	108.513%
x		0.126	0.086	0.073	109.252%	1.271	1.225	9.548	11.540	108.560%
σ		0.002	0.015	0.018	0.394%	0.096	0.095	0.010	0.022	0.399%
%RSD		1.877	17.090	24.610	0.361	7.520	7.777	0.106	0.187	0.367

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:36:00	0.892	0.897	0.240	0.330	0.252	108.091%	0.000	0.883	0.474
2	14:37:04	0.799	0.822	0.240	0.331	0.252	107.389%	0.000	0.806	0.473
3	14:38:07	0.733	0.753	0.242	0.330	0.256	107.900%	0.000	0.769	0.472
x		0.808	0.824	0.241	0.330	0.253	107.793%	0.000	0.819	0.473
σ		0.080	0.072	0.001	0.000	0.002	0.363%	0.000	0.058	0.001
%RSD		9.880	8.723	0.504	0.119	0.865	0.337	0.000	7.067	0.221

LCS 200-8516/2-A 10/30/2010 02:42:32 PM

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:35	92.855%	0.000	28.030	548.800	T 14430.000	T 14340.000	T 14350.000	T 14310.000	T 986.800
2	14:44:39	93.897%	0.000	27.770	559.200	T 14580.000	T 14420.000	T 14470.000	T 14460.000	T 984.500
3	14:45:42	93.608%	0.000	28.140	566.900	T 14730.000	T 14630.000	T 14690.000	T 14640.000	T 989.400
x		93.453%	0.000	27.980	558.300	T 14580.000	T 14460.000	T 14500.000	T 14470.000	T 986.900
σ		0.538%	0.000	0.189	9.115	T 148.600	T 146.400	T 172.400	T 164.000	T 2.466
%RSD		0.576	0.000	0.676	1.633	T 1.019	T 1.012	T 1.188	T 1.134	T 0.250

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:35	0.000	0.000	T 14600.000	12030.000	103.812%	0.000	48.380	49.680	4.397
2	14:44:39	0.000	T 0.000	T 14710.000	11970.000	106.302%	0.000	47.750	48.720	3.563
3	14:45:42	0.000	T 0.000	T 14920.000	12070.000	107.293%	0.000	48.010	49.120	3.389
x		0.000	T 0.000	T 14740.000	12020.000	105.803%	0.000	48.050	49.170	3.783
σ		0.000	T 0.000	T 159.400	48.140	1.794%	0.000	0.318	0.480	0.539
%RSD		0.000	T 0.000	T 1.081	0.400	1.695	0.000	0.661	0.976	14.250
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	14:43:35	2467.000	48.300	T 2522.000	122.900	49.570	49.750	48.440	48.390	54.450
2	14:44:39	2456.000	48.420	T 2500.000	121.800	48.580	51.070	48.880	47.510	56.040
3	14:45:42	2476.000	48.320	T 2523.000	122.900	49.840	50.590	48.440	48.000	56.310
x		2466.000	48.350	T 2515.000	122.500	49.330	50.470	48.580	47.970	55.600
σ		10.230	0.066	T 12.920	0.616	0.661	0.666	0.255	0.440	1.006
%RSD		0.415	0.137	T 0.514	0.502	1.339	1.320	0.524	0.917	1.810
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	14:43:35	54.360	24.130	23.050	23.440	103.607%	242.200	241.400	22.330	0.133
2	14:44:39	53.520	24.630	23.720	23.730	104.383%	245.800	243.200	22.860	-0.804
3	14:45:42	55.040	24.560	23.340	23.610	106.458%	243.300	240.800	23.070	-1.657
x		54.310	24.440	23.370	23.590	104.816%	243.800	241.800	22.750	-0.776
σ		0.765	0.268	0.336	0.147	1.474%	1.831	1.291	0.382	0.895
%RSD		1.409	1.097	1.437	0.624	1.406	0.751	0.534	1.678	115.300
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	14:43:35	22.800	23.430	23.310	104.687%	51.000	51.110	1176.000	1178.000	108.527%
2	14:44:39	22.940	23.950	24.020	104.558%	51.770	51.780	1199.000	1200.000	109.229%
3	14:45:42	23.040	23.770	23.830	105.191%	52.080	52.120	1204.000	1201.000	109.577%
x		22.930	23.710	23.720	104.812%	51.620	51.670	1193.000	1193.000	109.111%
σ		0.121	0.264	0.369	0.335%	0.557	0.513	14.890	12.770	0.535%
%RSD		0.529	1.113	1.557	0.319	1.079	0.994	1.248	1.070	0.490
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	14:43:35	25.220	25.050	23.240	22.890	24.470	105.747%	0.000	23.520	24.130
2	14:44:39	25.240	25.460	22.810	22.770	24.250	107.079%	0.000	23.640	23.920
3	14:45:42	25.330	25.490	23.280	22.830	24.410	106.831%	0.000	24.030	24.190
x		25.260	25.330	23.110	22.830	24.370	106.552%	0.000	23.730	24.080
σ		0.062	0.248	0.260	0.059	0.114	0.709%	0.000	0.269	0.144
%RSD		0.244	0.978	1.125	0.259	0.468	0.665	0.000	1.132	0.600

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:10	92.453%	0.000	0.173	15.040	T 14580.000	T 5683.000	5789.000	5797.000	26.130
2	14:52:13	95.010%	0.000	0.160	13.460	T 15250.000	T 5926.000	6043.000	6064.000	26.680
3	14:53:17	96.435%	0.000	0.172	12.940	T 15710.000	T 6133.000	6292.000	6279.000	26.090
x		94.633%	0.000	0.169	13.810	T 15180.000	T 5914.000	6041.000	6047.000	26.300
σ		2.017%	0.000	0.007	1.092	T 569.200	T 225.500	251.800	241.100	0.327
%RSD		2.132	0.000	4.359	7.901	T 3.749	T 3.813	4.168	3.987	1.244

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:10	T 0.000	0.000	TM 45640.000	TM 107400.000	106.369%	0.000	0.730	5.914	5.342
2	14:52:13	T 0.000	T 0.000	TM 47420.000	TM 107000.000	113.286%	0.000	0.773	5.753	4.108
3	14:53:17	T 0.000	T 0.000	TM 49200.000	TM 107900.000	117.831%	0.000	0.604	5.769	3.526
x		T 0.000	T 0.000	TM 47420.000	TM 107400.000	112.495%	0.000	0.702	5.812	4.326
σ		T 0.000	T 0.000	TM 1780.000	TM 486.300	5.772%	0.000	0.088	0.089	0.927
%RSD		T 0.000	T 0.000	TM 3.754	TM 0.453	5.131	0.000	12.570	1.530	21.440

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:10	228.100	27.430	185.800	1.513	-0.935	3.144	3.904	M 269.600	M 224.100
2	14:52:13	224.400	27.280	184.500	1.499	-0.862	3.136	3.659	M 270.100	M 224.600
3	14:53:17	226.800	27.240	184.900	1.481	-0.885	3.056	3.701	M 268.400	M 222.500
x		226.400	27.320	185.100	1.498	-0.894	3.112	3.755	M 269.400	M 223.800
σ		1.869	0.102	0.673	0.016	0.037	0.049	0.131	M 0.900	M 1.091
%RSD		0.825	0.374	0.364	1.054	4.190	1.566	3.489	M 0.334	M 0.488

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:10	M 244.500	0.542	2.219	2.240	104.280%	3.321	3.937	0.139	-1.889
2	14:52:13	M 240.500	0.636	2.215	2.164	111.650%	3.178	3.838	0.136	-1.949
3	14:53:17	M 241.100	0.607	2.468	2.041	115.030%	3.083	3.707	0.133	-1.535
x		M 242.000	0.595	2.301	2.148	110.320%	3.194	3.827	0.136	-1.791
σ		M 2.128	0.049	0.145	0.101	5.497%	0.120	0.115	0.003	0.224
%RSD		M 0.879	8.153	6.299	4.692	4.983	3.740	3.012	1.930	12.480

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:10	0.145	0.122	0.131	105.083%	1.059	1.024	29.500	31.040	105.290%
2	14:52:13	0.138	0.121	0.074	110.297%	1.017	0.975	28.820	30.530	110.187%
3	14:53:17	0.134	0.089	0.086	113.426%	0.998	0.951	29.370	30.390	112.239%
x		0.139	0.111	0.097	109.602%	1.025	0.983	29.230	30.650	109.239%
σ		0.006	0.019	0.030	4.215%	0.031	0.037	0.364	0.342	3.570%
%RSD		4.282	17.160	30.710	3.846	3.015	3.757	1.247	1.116	3.268

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:10	0.701	0.722	0.258	0.344	0.431	104.625%	0.000	0.778	0.490
2	14:52:13	0.626	0.654	0.246	0.340	0.426	107.086%	0.000	0.745	0.489
3	14:53:17	0.600	0.611	0.255	0.342	0.429	107.902%	0.000	0.729	0.485
x		0.643	0.662	0.253	0.342	0.429	106.538%	0.000	0.751	0.488
σ		0.053	0.056	0.006	0.002	0.003	1.706%	0.000	0.025	0.002
%RSD		8.172	8.461	2.283	0.631	0.594	1.601	0.000	3.338	0.502

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:58:45	97.376%	0.000	0.147	10.440	T 7744.000	T 3790.000	3806.000	3823.000	15.610
2	14:59:49	98.853%	0.000	0.131	10.170	T 7822.000	T 3880.000	3872.000	3903.000	16.120
3	15:00:52	100.119%	0.000	0.178	9.849	T 7974.000	T 3959.000	3946.000	3974.000	15.850
x		98.783%	0.000	0.152	10.150	T 7847.000	T 3876.000	3875.000	3900.000	15.860
σ		1.373%	0.000	0.024	0.297	T 116.800	T 84.570	70.040	75.780	0.258
%RSD		1.389	0.000	15.860	2.930	T 1.488	T 2.182	1.807	1.943	1.628

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:58:45	T 0.000	T 0.000	TM 55560.000	4025.000	119.724%	0.000	0.738	2.075	5.658
2	14:59:49	T 0.000	T 0.000	TM 56590.000	4067.000	121.244%	0.000	0.522	2.130	5.050
3	15:00:52	T 0.000	T 0.000	TM 57160.000	4048.000	124.896%	0.000	0.521	2.111	4.458
x		T 0.000	T 0.000	TM 56440.000	4047.000	121.955%	0.000	0.594	2.105	5.055
σ		T 0.000	T 0.000	TM 810.400	20.850	2.659%	0.000	0.125	0.028	0.600
%RSD		T 0.000	T 0.000	TM 1.436	0.515	2.180	0.000	20.990	1.334	11.860
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	14:58:45	83.320	1.873	20.650	1.304	0.522	1.008	2.247	M 135.900	M 114.800
2	14:59:49	83.220	1.931	22.030	1.304	0.510	1.000	2.079	M 135.600	M 114.300
3	15:00:52	82.540	1.928	21.140	1.306	0.454	1.168	2.114	M 134.500	M 112.800
x		83.030	1.910	21.270	1.305	0.496	1.059	2.147	M 135.300	M 114.000
σ		0.423	0.033	0.699	0.001	0.036	0.095	0.089	M 0.744	M 1.039
%RSD		0.510	1.701	3.285	0.099	7.289	8.950	4.127	M 0.549	M 0.911
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	14:58:45	M 122.600	0.507	1.790	1.619	116.297%	2.290	2.958	0.118	-1.476
2	14:59:49	M 121.500	0.455	2.304	1.596	117.981%	2.235	2.955	0.119	-1.933
3	15:00:52	M 121.200	0.461	2.192	1.869	120.741%	2.228	2.932	0.119	-1.836
x		M 121.800	0.474	2.095	1.695	118.340%	2.251	2.948	0.119	-1.749
σ		M 0.730	0.028	0.271	0.151	2.244%	0.034	0.014	0.000	0.241
%RSD		M 0.600	5.972	12.910	8.919	1.896	1.518	0.485	0.311	13.780
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	14:58:45	0.125	0.064	0.050	113.001%	0.926	0.891	10.000	12.020	112.772%
2	14:59:49	0.122	0.098	0.118	116.423%	0.911	0.868	10.000	11.970	112.870%
3	15:00:52	0.120	0.090	0.063	117.913%	0.902	0.862	9.933	11.900	113.610%
x		0.123	0.084	0.077	115.779%	0.913	0.874	9.979	11.960	113.084%
σ		0.003	0.018	0.036	2.518%	0.012	0.015	0.040	0.061	0.458%
%RSD		2.098	21.380	46.670	2.175	1.338	1.761	0.403	0.510	0.405
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	14:58:45	0.533	0.566	0.239	0.327	0.267	110.034%	0.000	0.702	0.468
2	14:59:49	0.504	0.524	0.238	0.327	0.266	109.993%	0.000	0.698	0.468
3	15:00:52	0.478	0.526	0.236	0.325	0.268	108.210%	0.000	0.698	0.466
x		0.505	0.539	0.238	0.327	0.267	109.412%	0.000	0.699	0.467
σ		0.028	0.024	0.001	0.001	0.001	1.041%	0.000	0.003	0.001
%RSD		5.506	4.387	0.588	0.307	0.436	0.952	0.000	0.370	0.224

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:06:20	92.354%	0.000	0.267	887.400	T 5178.000	T 5485.000	5544.000	5578.000	T 1585.000
2	15:07:24	91.327%	0.000	0.239	889.100	T 5238.000	T 5555.000	5645.000	5652.000	T 1610.000
3	15:08:27	91.244%	0.000	0.272	901.200	T 5284.000	T 5603.000	5662.000	5721.000	T 1620.000
x		91.642%	0.000	0.259	892.600	T 5233.000	T 5547.000	5617.000	5651.000	T 1605.000
σ		0.618%	0.000	0.018	7.531	T 53.100	T 59.630	63.680	71.470	T 17.820
%RSD		0.675	0.000	6.982	0.844	T 1.015	T 1.075	1.134	1.265	T 1.111

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:06:20	0.000	0.000	T 13250.000	TM 39310.000	111.868%	0.000	4.043	3.774	9.786
2	15:07:24	0.000	T 0.000	T 13380.000	TM 39190.000	111.754%	0.000	4.362	3.593	7.149
3	15:08:27	0.000	T 0.000	T 13330.000	TM 39780.000	110.282%	0.000	4.144	3.751	5.651
x		0.000	T 0.000	T 13320.000	TM 39430.000	111.302%	0.000	4.183	3.706	7.529
σ		0.000	T 0.000	T 67.410	TM 310.600	0.885%	0.000	0.163	0.099	2.093
%RSD		0.000	T 0.000	T 0.506	TM 0.788	0.795	0.000	3.901	2.666	27.810

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:06:20	4266.000	TM 755.200	T 4309.000	2.888	3.473	5.882	8.129	48.250	43.390
2	15:07:24	4237.000	TM 752.500	T 4289.000	2.869	3.424	5.641	8.149	48.030	42.520
3	15:08:27	4293.000	TM 765.200	T 4339.000	2.922	3.643	5.271	8.293	48.520	42.660
x		4265.000	TM 757.600	T 4312.000	2.893	3.513	5.598	8.190	48.270	42.850
σ		28.270	TM 6.672	T 25.280	0.027	0.115	0.308	0.090	0.246	0.471
%RSD		0.663	TM 0.881	T 0.586	0.924	3.260	5.498	1.095	0.509	1.099

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:06:20	44.930	4.284	0.691	0.921	113.354%	3.149	3.801	0.127	-1.782
2	15:07:24	44.570	4.244	0.984	0.840	112.734%	3.113	3.724	0.138	-1.982
3	15:08:27	44.630	4.195	0.923	0.881	113.810%	3.132	3.806	0.138	-1.965
x		44.710	4.241	0.866	0.881	113.299%	3.131	3.777	0.134	-1.909
σ		0.191	0.045	0.155	0.040	0.540%	0.018	0.046	0.007	0.111
%RSD		0.427	1.050	17.850	4.589	0.477	0.567	1.221	4.934	5.821

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:06:20	0.142	0.374	0.257	107.637%	1.152	1.115	115.100	113.100	108.075%
2	15:07:24	0.142	0.346	0.323	108.405%	1.135	1.104	112.800	111.700	107.863%
3	15:08:27	0.135	0.334	0.307	109.460%	1.122	1.090	113.300	111.500	107.617%
x		0.140	0.351	0.295	108.501%	1.136	1.103	113.800	112.100	107.852%
σ		0.004	0.021	0.035	0.915%	0.015	0.013	1.218	0.904	0.229%
%RSD		2.844	5.905	11.730	0.844	1.334	1.169	1.071	0.806	0.212

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:06:20	0.607	0.604	0.316	0.399	12.990	104.983%	0.000	1.116	1.164
2	15:07:24	0.572	0.589	0.316	0.401	13.040	104.667%	0.000	1.085	1.154
3	15:08:27	0.561	0.568	0.326	0.402	13.020	103.664%	0.000	1.088	1.169
x		0.580	0.587	0.320	0.401	13.020	104.438%	0.000	1.096	1.162
σ		0.024	0.018	0.006	0.001	0.029	0.689%	0.000	0.017	0.008
%RSD		4.145	3.035	1.853	0.287	0.222	0.659	0.000	1.537	0.654

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:13:55	90.776%	0.000	0.167	36.090	T 8877.000	T 3501.000	3494.000	3516.000	168.900
2	15:14:59	91.361%	0.000	0.149	35.300	T 9082.000	T 3619.000	3571.000	3597.000	167.400
3	15:16:02	92.239%	0.000	0.135	34.370	T 9195.000	T 3641.000	3636.000	3663.000	170.700
x		91.459%	0.000	0.150	35.250	T 9051.000	T 3587.000	3567.000	3592.000	169.000
σ		0.736%	0.000	0.016	0.862	T 161.300	T 75.230	71.230	73.460	1.616
%RSD		0.805	0.000	10.590	2.446	T 1.782	T 2.097	1.997	2.045	0.956

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:13:55	0.000	0.000	TM 48250.000	10070.000	106.081%	0.000	0.826	1.664	7.860
2	15:14:59	0.000	T 0.000	TM 49100.000	9981.000	109.628%	0.000	0.843	1.648	6.545
3	15:16:02	0.000	T 0.000	TM 49460.000	10180.000	110.533%	0.000	0.948	1.579	5.595
x		0.000	T 0.000	TM 48940.000	10080.000	108.747%	0.000	0.872	1.630	6.667
σ		0.000	T 0.000	TM 620.700	101.100	2.353%	0.000	0.066	0.045	1.137
%RSD		0.000	T 0.000	TM 1.268	1.004	2.164	0.000	7.549	2.765	17.060
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:13:55	790.000	44.960	T 799.000	1.610	0.678	1.472	4.018	26.380	23.240
2	15:14:59	784.000	44.920	T 794.600	1.624	0.663	1.759	3.644	25.670	22.600
3	15:16:02	787.100	45.190	T 798.700	1.618	0.660	2.042	3.749	25.980	23.640
x		787.000	45.020	T 797.400	1.618	0.667	1.758	3.803	26.010	23.160
σ		3.013	0.148	T 2.458	0.007	0.009	0.285	0.193	0.358	0.526
%RSD		0.383	0.329	T 0.308	0.423	1.423	16.210	5.068	1.378	2.270
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:13:55	23.970	1.489	2.247	1.994	106.205%	2.984	3.571	0.117	-1.717
2	15:14:59	23.650	1.375	2.594	2.507	108.352%	2.990	3.582	0.117	-1.690
3	15:16:02	23.820	1.486	2.948	2.708	109.179%	2.951	3.550	0.121	-1.574
x		23.810	1.450	2.596	2.403	107.912%	2.975	3.568	0.118	-1.660
σ		0.159	0.065	0.350	0.369	1.535%	0.021	0.016	0.002	0.076
%RSD		0.666	4.476	13.490	15.340	1.423	0.694	0.456	1.785	4.562
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:13:55	0.125	0.156	0.181	104.441%	0.894	0.860	39.870	40.950	104.347%
2	15:14:59	0.125	0.128	0.122	107.184%	0.885	0.846	40.120	41.180	107.784%
3	15:16:02	0.120	0.134	0.138	107.380%	0.883	0.843	40.040	41.140	106.736%
x		0.123	0.139	0.147	106.335%	0.887	0.850	40.010	41.090	106.289%
σ		0.003	0.014	0.030	1.643%	0.006	0.009	0.129	0.122	1.762%
%RSD		2.427	10.330	20.720	1.545	0.690	1.023	0.322	0.298	1.657
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:13:55	0.395	0.403	0.284	0.366	1.666	101.963%	0.000	0.720	0.558
2	15:14:59	0.361	0.400	0.286	0.367	1.629	103.513%	0.000	0.721	0.558
3	15:16:02	0.362	0.377	0.279	0.367	1.666	103.636%	0.000	0.719	0.557
x		0.373	0.394	0.283	0.367	1.653	103.037%	0.000	0.720	0.558
σ		0.019	0.014	0.004	0.000	0.022	0.933%	0.000	0.001	0.001
%RSD		5.119	3.657	1.331	0.102	1.303	0.905	0.000	0.100	0.121

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:21:31	94.407%	0.000	0.150	13.130	T 2078.000	757.800	696.100	688.200	37.790
2	15:22:35	94.768%	0.000	0.152	12.840	T 2077.000	767.200	693.900	692.000	37.550
3	15:23:38	95.887%	0.000	0.154	12.490	T 2071.000	767.000	702.800	688.300	36.910
x		95.021%	0.000	0.152	12.820	T 2075.000	764.000	697.600	689.500	37.420
σ		0.772%	0.000	0.002	0.320	T 3.481	5.348	4.651	2.175	0.454
%RSD		0.812	0.000	1.369	2.497	T 0.168	0.700	0.667	0.316	1.214
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:21:31	0.000	0.000	T 9752.000	2045.000	108.964%	0.000	0.505	0.550	7.998
2	15:22:35	0.000	T 0.000	T 9895.000	2056.000	110.947%	0.000	0.545	0.583	6.581
3	15:23:38	0.000	T 0.000	T 9824.000	2026.000	112.904%	0.000	0.465	0.548	5.841
x		0.000	T 0.000	T 9824.000	2042.000	110.938%	0.000	0.505	0.560	6.806
σ		0.000	T 0.000	T 71.530	15.230	1.970%	0.000	0.040	0.020	1.096
%RSD		0.000	T 0.000	T 0.728	0.746	1.776	0.000	7.913	3.512	16.110
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:21:31	177.000	9.296	155.200	1.334	0.256	1.152	0.595	5.382	4.415
2	15:22:35	176.000	9.454	155.500	1.333	0.215	1.246	0.646	5.317	4.748
3	15:23:38	176.000	9.331	154.300	1.339	0.261	0.921	0.631	5.503	4.752
x		176.300	9.360	155.000	1.335	0.244	1.106	0.624	5.400	4.638
σ		0.573	0.083	0.605	0.003	0.025	0.167	0.026	0.094	0.193
%RSD		0.325	0.882	0.391	0.227	10.410	15.110	4.205	1.746	4.164
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:21:31	4.911	0.413	1.165	0.452	107.052%	2.192	2.874	0.117	-1.718
2	15:22:35	4.874	0.461	0.808	0.548	108.865%	2.120	2.873	0.114	-1.463
3	15:23:38	4.640	0.369	1.053	0.694	109.502%	2.180	2.827	0.114	-1.679
x		4.808	0.414	1.009	0.564	108.473%	2.164	2.858	0.115	-1.620
σ		0.147	0.046	0.183	0.122	1.271%	0.039	0.027	0.001	0.137
%RSD		3.050	11.030	18.100	21.570	1.172	1.785	0.942	1.200	8.471
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:21:31	0.120	0.087	0.113	105.661%	0.834	0.789	15.580	17.260	105.526%
2	15:22:35	0.117	0.068	0.100	108.481%	0.829	0.790	15.610	17.230	106.663%
3	15:23:38	0.117	0.081	0.122	108.419%	0.826	0.789	15.450	17.150	105.986%
x		0.118	0.079	0.112	107.521%	0.830	0.790	15.550	17.210	106.058%
σ		0.002	0.010	0.011	1.610%	0.004	0.001	0.086	0.052	0.572%
%RSD		1.445	12.650	9.826	1.498	0.490	0.076	0.553	0.303	0.539
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:21:31	0.182	0.197	0.241	0.329	0.505	103.960%	0.000	0.664	0.482
2	15:22:35	0.178	0.195	0.242	0.328	0.506	103.861%	0.000	0.664	0.482
3	15:23:38	0.173	0.197	0.243	0.330	0.512	102.918%	0.000	0.681	0.482
x		0.178	0.196	0.242	0.329	0.507	103.579%	0.000	0.670	0.482
σ		0.004	0.001	0.001	0.001	0.004	0.575%	0.000	0.009	0.000
%RSD		2.295	0.717	0.399	0.238	0.715	0.555	0.000	1.414	0.097

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:07	92.176%	0.000	10.500	242.200	T 13910.000	T 8725.000	T 8680.000	T 8648.000	525.700
2	15:30:11	92.281%	0.000	9.893	246.000	T 14160.000	T 8957.000	T 8853.000	T 8749.000	522.400
3	15:31:15	91.716%	0.000	10.530	248.400	T 14480.000	T 9159.000	T 9106.000	T 9009.000	521.800
x		92.058%	0.000	10.310	245.500	T 14180.000	T 8947.000	T 8880.000	T 8802.000	523.300
σ		0.300%	0.000	0.357	3.100	T 284.600	T 217.000	T 214.400	T 186.600	2.102
%RSD		0.326	0.000	3.469	1.262	T 2.006	T 2.425	T 2.414	T 2.120	0.402
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:07	0.000	0.000	TM 51280.000	14380.000	105.358%	0.000	18.580	19.020	7.644
2	15:30:11	0.000	T 0.000	TM 52380.000	14300.000	107.688%	0.000	18.070	18.780	6.541
3	15:31:15	0.000	T 0.000	TM 53860.000	14490.000	109.951%	0.000	18.290	18.830	5.761
x		0.000	T 0.000	TM 52510.000	14390.000	107.666%	0.000	18.320	18.880	6.649
σ		0.000	T 0.000	TM 1295.000	95.210	2.297%	0.000	0.257	0.124	0.946
%RSD		0.000	T 0.000	TM 2.466	0.662	2.133	0.000	1.404	0.655	14.230
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:29:07	1644.000	62.020	T 1679.000	43.430	18.580	19.960	21.580	42.860	39.350
2	15:30:11	1630.000	61.720	T 1669.000	43.220	18.360	19.830	21.260	42.520	38.720
3	15:31:15	1618.000	61.340	T 1664.000	43.230	18.280	18.890	20.910	41.890	39.470
x		1631.000	61.690	T 1670.000	43.290	18.410	19.560	21.250	42.420	39.180
σ		13.380	0.341	T 7.579	0.116	0.154	0.584	0.333	0.491	0.402
%RSD		0.821	0.553	T 0.454	0.269	0.836	2.988	1.564	1.157	1.026
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:29:07	41.300	10.070	10.460	10.150	105.622%	87.770	86.610	8.655	-1.487
2	15:30:11	40.300	9.951	11.220	10.730	106.807%	87.940	86.770	8.695	-0.815
3	15:31:15	40.520	10.140	11.230	10.870	108.301%	87.930	86.710	8.774	-0.590
x		40.710	10.050	10.970	10.580	106.910%	87.880	86.690	8.708	-0.964
σ		0.523	0.096	0.440	0.384	1.343%	0.091	0.081	0.060	0.467
%RSD		1.286	0.954	4.015	3.628	1.256	0.103	0.093	0.694	48.430
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:29:07	8.759	8.714	8.768	104.667%	18.380	18.410	242.900	236.700	105.719%
2	15:30:11	8.721	8.803	8.711	106.125%	18.740	18.670	243.500	240.500	107.857%
3	15:31:15	8.877	8.730	8.752	106.537%	19.000	18.940	244.600	242.600	107.111%
x		8.786	8.749	8.743	105.776%	18.710	18.680	243.700	240.000	106.896%
σ		0.082	0.048	0.030	0.983%	0.312	0.264	0.851	2.984	1.085%
%RSD		0.928	0.545	0.338	0.929	1.667	1.416	0.349	1.244	1.015
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:29:07	9.513	9.392	9.002	8.728	10.250	102.861%	0.000	8.884	8.603
2	15:30:11	9.276	9.251	8.825	8.681	10.130	103.650%	0.000	8.771	8.516
3	15:31:15	9.389	9.473	8.997	8.712	10.300	104.217%	0.000	8.811	8.552
x		9.393	9.372	8.941	8.707	10.230	103.576%	0.000	8.822	8.557
σ		0.118	0.112	0.101	0.024	0.088	0.681%	0.000	0.057	0.043
%RSD		1.262	1.199	1.128	0.277	0.861	0.657	0.000	0.652	0.506

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:43	91.218%	0.000	0.203	36.940	T 9248.000	T 3651.000	3655.000	3679.000	582.300
2	15:37:47	91.235%	0.000	0.200	36.510	T 9354.000	T 3698.000	3706.000	3715.000	587.500
3	15:38:50	90.990%	0.000	0.225	35.660	T 9446.000	T 3739.000	3758.000	3752.000	537.000
x		91.148%	0.000	0.209	36.370	T 9349.000	T 3696.000	3706.000	3715.000	569.000
σ		0.137%	0.000	0.014	0.650	T 98.650	T 44.220	51.550	36.790	27.820
%RSD		0.150	0.000	6.684	1.789	T 1.055	T 1.196	1.391	0.990	4.890
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:43	0.000	T 0.000	TM 26200.000	9746.000	106.633%	0.000	2.204	2.679	7.125
2	15:37:47	0.000	T 0.000	TM 26520.000	9829.000	107.115%	0.000	2.131	2.654	6.027
3	15:38:50	0.000	T 0.000	TM 26690.000	9717.000	109.726%	0.000	2.076	2.543	5.093
x		0.000	T 0.000	TM 26470.000	9764.000	107.825%	0.000	2.137	2.626	6.082
σ		0.000	T 0.000	TM 248.400	58.310	1.664%	0.000	0.064	0.073	1.017
%RSD		0.000	T 0.000	TM 0.939	0.597	1.544	0.000	3.003	2.772	16.730
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:43	2144.000	63.150	T 2215.000	2.076	1.819	3.322	4.803	57.440	48.570
2	15:37:47	2148.000	63.370	T 2226.000	2.028	1.916	2.653	4.695	56.860	49.240
3	15:38:50	2128.000	62.890	T 2179.000	2.018	1.751	3.132	4.623	56.920	49.110
x		2140.000	63.140	T 2207.000	2.041	1.829	3.036	4.707	57.070	48.980
σ		10.280	0.239	T 24.510	0.031	0.083	0.345	0.090	0.318	0.355
%RSD		0.480	0.379	T 1.111	1.543	4.534	11.370	1.915	0.557	0.724
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:43	51.880	2.935	1.661	1.436	106.435%	2.837	3.456	0.132	-2.007
2	15:37:47	52.060	2.908	2.107	1.840	108.009%	2.752	3.393	0.128	-2.118
3	15:38:50	51.530	2.949	2.362	2.008	108.235%	2.764	3.409	0.129	-1.865
x		51.820	2.930	2.043	1.761	107.560%	2.784	3.419	0.130	-1.997
σ		0.266	0.021	0.355	0.294	0.981%	0.046	0.032	0.002	0.127
%RSD		0.512	0.705	17.360	16.710	0.912	1.668	0.947	1.621	6.335
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:43	0.138	0.313	0.348	103.734%	1.253	1.212	49.680	50.040	104.474%
2	15:37:47	0.130	0.300	0.329	106.458%	1.103	1.062	49.110	49.490	104.788%
3	15:38:50	0.131	0.285	0.311	106.522%	1.042	0.999	49.200	48.930	105.933%
x		0.133	0.299	0.329	105.571%	1.133	1.091	49.330	49.490	105.065%
σ		0.004	0.014	0.019	1.591%	0.108	0.110	0.308	0.552	0.768%
%RSD		3.094	4.657	5.643	1.507	9.564	10.050	0.624	1.116	0.731
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:43	0.354	0.370	0.333	0.422	5.570	102.873%	0.000	0.831	0.758
2	15:37:47	0.338	0.362	0.333	0.420	5.607	102.439%	0.000	0.815	0.760
3	15:38:50	0.316	0.341	0.327	0.416	5.623	101.381%	0.000	0.817	0.766
x		0.336	0.358	0.331	0.419	5.600	102.231%	0.000	0.821	0.761
σ		0.019	0.015	0.003	0.003	0.027	0.767%	0.000	0.009	0.004
%RSD		5.663	4.310	1.003	0.699	0.487	0.751	0.000	1.071	0.518

200-2079-A-4-K MS 10/30/2010 03:43:16 PM

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:19	90.631%	0.000	9.948	228.200	T 13910.000	T 8292.000	T 8162.000	T 8213.000	T 867.700
2	15:45:23	90.444%	0.000	9.681	230.800	T 14170.000	T 8470.000	T 8367.000	T 8349.000	T 873.600
3	15:46:26	90.939%	0.000	9.825	233.300	T 14340.000	T 8522.000	T 8486.000	T 8450.000	T 878.200
x		90.671%	0.000	9.818	230.700	T 14140.000	T 8428.000	T 8338.000	T 8337.000	T 873.100
σ		0.250%	0.000	0.134	2.553	T 217.200	T 120.300	T 164.000	T 119.000	T 5.277
%RSD		0.276	0.000	1.360	1.107	T 1.536	T 1.428	T 1.967	T 1.428	T 0.604
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:19	0.000	T 0.000	TM 28290.000	13290.000	104.041%	0.000	18.560	18.840	6.071
2	15:45:23	0.000	T 0.000	TM 29110.000	13280.000	105.603%	0.000	18.440	18.930	4.887
3	15:46:26	0.000	T 0.000	TM 29230.000	13280.000	106.698%	0.000	18.450	18.900	3.989
x		0.000	T 0.000	TM 28880.000	13290.000	105.448%	0.000	18.480	18.890	4.982
σ		0.000	T 0.000	TM 510.400	6.338	1.335%	0.000	0.063	0.049	1.044
%RSD		0.000	T 0.000	TM 1.768	0.048	1.266	0.000	0.342	0.258	20.950
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:44:19	3046.000	68.790	T 3071.000	41.700	18.700	20.150	21.190	60.380	54.600
2	15:45:23	3052.000	69.610	T 3105.000	42.520	18.720	19.810	21.230	61.250	55.100
3	15:46:26	3051.000	69.310	T 3114.000	42.250	18.490	19.000	21.590	60.730	54.220
x		3050.000	69.240	T 3097.000	42.160	18.640	19.650	21.340	60.790	54.640
σ		3.526	0.414	T 22.460	0.416	0.125	0.587	0.219	0.440	0.442
%RSD		0.116	0.598	T 0.725	0.987	0.671	2.985	1.027	0.724	0.809
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:44:19	56.460	10.820	9.985	9.635	104.389%	85.630	85.050	8.442	0.024
2	15:45:23	56.590	11.140	10.700	10.250	105.818%	84.320	83.580	8.596	-0.804
3	15:46:26	57.820	10.960	11.190	10.660	106.203%	85.420	84.710	8.651	-2.036
x		56.960	10.970	10.630	10.180	105.470%	85.130	84.440	8.563	-0.939
σ		0.749	0.156	0.605	0.516	0.956%	0.703	0.767	0.108	1.037
%RSD		1.315	1.421	5.697	5.068	0.906	0.826	0.909	1.261	110.500
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:44:19	8.518	8.494	8.531	103.270%	17.870	17.830	243.700	239.100	104.338%
2	15:45:23	8.655	8.606	8.666	104.041%	17.910	17.860	245.800	240.700	105.906%
3	15:46:26	8.566	8.743	8.636	104.203%	18.010	18.000	250.100	244.900	105.763%
x		8.580	8.614	8.611	103.838%	17.930	17.900	246.500	241.600	105.336%
σ		0.069	0.124	0.071	0.499%	0.072	0.091	3.240	2.998	0.867%
%RSD		0.807	1.443	0.821	0.480	0.400	0.511	1.314	1.241	0.823
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:44:19	8.797	8.862	8.694	8.460	12.930	102.382%	0.000	6.444	8.388
2	15:45:23	8.758	8.765	8.628	8.311	12.840	103.573%	0.000	6.420	8.292
3	15:46:26	8.802	8.753	8.784	8.611	13.270	100.894%	0.000	6.491	8.484
x		8.786	8.793	8.702	8.461	13.010	102.283%	0.000	6.452	8.388
σ		0.024	0.060	0.078	0.150	0.227	1.342%	0.000	0.036	0.096
%RSD		0.275	0.680	0.900	1.774	1.743	1.312	0.000	0.561	1.144

CCV 10/30/2010 03:50:52 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:51:55	93.102%	0.000	11.460	227.700	T 6256.000	T 5925.000	6034.000	6073.000	409.300
2	15:52:59	94.172%	0.000	11.370	230.900	T 6302.000	T 5966.000	6068.000	6101.000	405.200
3	15:54:02	95.528%	0.000	11.660	230.900	T 6257.000	T 5957.000	6053.000	6070.000	404.000
x		94.267%	0.000	114.984%	114.918%	T 125.431%	T 5949.000	121.034%	121.629%	101.541%
σ		1.216%	0.000	n/a	n/a	T n/a	T 21.420	n/a	n/a	n/a
%RSD		1.290	0.000	1.309	0.794	T 0.421	T 0.360	0.279	0.282	0.677

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:51:55	0.000	T 0.000	T 6121.000	4877.000	104.322%	0.000	19.450	19.400	5.623
2	15:52:59	0.000	T 0.000	T 6103.000	4854.000	107.024%	0.000	18.970	19.290	4.679
3	15:54:02	0.000	T 0.000	T 6088.000	4865.000	108.357%	0.000	18.840	19.300	4.114
x		0.000	T 0.000	T 122.075%	97.310%	106.568%	0.000	95.429%	96.659%	4.805
σ		0.000	T 0.000	T n/a	n/a	2.056%	0.000	n/a	n/a	0.763
%RSD		0.000	T 0.000	T 0.272	0.231	1.929	0.000	1.664	0.324	15.880

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:51:55	970.700	19.490	T 1022.000	47.730	20.070	21.200	19.740	19.820	19.480
2	15:52:59	959.100	19.120	T 1017.000	47.470	19.670	20.390	19.750	19.550	19.230
3	15:54:02	966.400	19.270	T 1012.000	47.430	19.490	20.500	19.110	19.460	20.140
x		965.400	96.450%	T 101.708%	95.087%	98.704%	103.486%	97.661%	98.062%	98.084%
σ		5.914	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.613	0.968	T 0.473	0.338	1.497	2.105	1.854	0.943	2.390

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:51:55	20.220	9.817	10.370	9.815	104.193%	94.370	92.640	9.667	-1.180
2	15:52:59	19.750	9.673	10.370	9.867	105.644%	95.210	94.310	9.803	-1.183
3	15:54:02	20.040	9.894	10.560	10.230	106.900%	96.450	94.160	9.678	-1.369
x		100.020%	97.945%	104.314%	99.719%	105.579%	95.345%	93.700	97.161%	-1.244
σ		n/a	n/a	n/a	n/a	1.355%	n/a	0.923	n/a	0.108
%RSD		1.192	1.148	1.073	2.284	1.283	1.096	0.985	0.779	8.679

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:51:55	9.819	9.811	9.741	103.216%	16.120	16.150	231.600	228.500	102.649%
2	15:52:59	9.857	9.902	9.653	104.629%	18.300	18.410	232.700	230.400	104.317%
3	15:54:02	9.685	9.590	9.535	106.998%	19.050	19.100	228.300	225.300	106.047%
x		97.869%	97.675%	96.429%	104.948%	89.121%	89.423%	92.352%	91.229%	104.338%
σ		n/a	n/a	n/a	1.911%	n/a	n/a	n/a	n/a	1.699%
%RSD		0.922	1.642	1.069	1.821	8.522	8.606	0.988	1.137	1.628

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:51:55	9.464	9.428	9.638	9.317	9.588	101.721%	0.000	8.033	9.035
2	15:52:59	9.586	9.467	9.633	9.390	9.598	103.388%	0.000	8.549	8.962
3	15:54:02	9.391	9.330	9.529	9.391	9.557	103.436%	0.000	8.896	8.990
x		94.803%	94.087%	96.002%	93.662%	95.811%	102.848%	0.000	8.493	8.996
σ		n/a	n/a	n/a	n/a	n/a	0.977%	0.000	0.434	0.037
%RSD		1.041	0.750	0.640	0.451	0.224	0.950	0.000	5.111	0.413

CCB 10/30/2010 03:58:29 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:59:32	95.420%	0.000	0.146	7.141	328.800	56.430	17.380	5.414	7.294
2	16:00:35	96.807%	0.000	0.143	7.172	312.900	57.060	19.280	5.670	7.226
3	16:01:39	97.285%	0.000	0.129	6.751	305.900	55.550	16.420	3.886	7.149
x		96.504%	0.000	0.139	7.021	315.800	56.350	17.690	4.990	7.223
σ		0.969%	0.000	0.009	0.234	11.760	0.760	1.457	0.965	0.072
%RSD		1.004	0.000	6.450	3.337	3.724	1.349	8.237	19.340	1.003

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:59:32	0.000	0.000	T 123.900	113.700	104.561%	0.000	0.465	0.314	6.421
2	16:00:35	0.000	0.000	109.600	113.900	106.276%	0.000	0.429	0.338	5.337
3	16:01:39	0.000	0.000	T 91.070	114.200	106.508%	0.000	0.340	0.340	4.791
x		0.000	0.000	T 108.200	113.900	105.781%	0.000	0.411	0.331	5.516
σ		0.000	0.000	T 16.470	0.213	1.063%	0.000	0.064	0.014	0.830
%RSD		0.000	0.000	T 15.230	0.187	1.005	0.000	15.580	4.334	15.050
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:59:32	29.680	0.373	8.867	1.311	0.185	1.250	-0.095	-0.301	-0.115
2	16:00:35	28.440	0.380	9.566	1.305	0.170	0.789	-0.072	-0.304	-0.158
3	16:01:39	28.020	0.376	9.326	1.310	0.185	0.920	-0.113	-0.312	-0.195
x		28.710	0.376	9.253	1.309	0.180	0.986	-0.093	-0.306	-0.156
σ		0.864	0.003	0.355	0.003	0.009	0.237	0.021	0.006	0.040
%RSD		3.010	0.912	3.838	0.248	4.897	24.080	22.190	1.928	25.560
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:59:32	-0.250	0.105	0.491	0.219	103.276%	2.458	3.096	0.128	-1.752
2	16:00:35	-0.259	0.267	0.443	0.184	104.606%	2.326	3.055	0.126	-1.739
3	16:01:39	-0.285	0.087	0.589	0.078	105.367%	2.267	2.982	0.128	-1.607
x		-0.265	0.153	0.508	0.160	104.416%	2.350	3.044	0.127	-1.699
σ		0.018	0.099	0.074	0.074	1.058%	0.098	0.057	0.001	0.080
%RSD		6.732	64.710	14.650	45.820	1.013	4.159	1.883	0.717	4.725
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:59:32	0.128	0.082	0.110	103.082%	1.550	1.510	9.572	11.610	102.469%
2	16:00:35	0.133	0.089	0.111	104.411%	1.376	1.335	9.627	11.620	102.502%
3	16:01:39	0.126	0.078	0.097	104.016%	1.268	1.219	9.592	11.560	103.320%
x		0.129	0.083	0.106	103.836%	1.398	1.355	9.597	11.600	102.764%
σ		0.004	0.006	0.008	0.683%	0.142	0.146	0.028	0.033	0.482%
%RSD		2.758	6.803	7.633	0.658	10.180	10.800	0.287	0.284	0.469
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:59:32	0.236	0.247	0.242	0.331	0.238	102.055%	0.000	0.814	0.474
2	16:00:35	0.212	0.233	0.244	0.330	0.241	102.860%	0.000	0.780	0.475
3	16:01:39	0.185	0.218	0.239	0.328	0.236	102.317%	0.000	0.760	0.474
x		0.211	0.233	0.242	0.330	0.238	102.411%	0.000	0.785	0.474
σ		0.025	0.015	0.003	0.002	0.003	0.411%	0.000	0.027	0.001
%RSD		12.010	6.357	1.167	0.456	1.170	0.401	0.000	3.427	0.199

200-2079-A-5-C 10/30/2010 04:06:06 PM

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:09	93.351%	0.000	0.178	81.910	T 5275.000	T 10280.000	T 10180.000	T 10160.000	371.200
2	16:08:13	93.919%	0.000	0.134	81.220	T 5386.000	T 10550.000	T 10470.000	T 10460.000	374.500
3	16:09:16	93.118%	0.000	0.184	84.370	T 5446.000	T 10770.000	T 10770.000	T 10760.000	377.600
x		93.463%	0.000	0.165	82.500	T 5369.000	T 10530.000	T 10470.000	T 10460.000	374.400
σ		0.412%	0.000	0.027	1.652	T 86.780	T 242.900	T 292.500	T 303.400	3.196
%RSD		0.441	0.000	16.470	2.003	T 1.616	T 2.306	T 2.793	T 2.900	0.854
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:09	0.000	0.000	TM 45190.000	TM 34180.000	102.167%	0.000	1.192	3.074	5.945
2	16:08:13	0.000	0.000	TM 45780.000	TM 34620.000	104.026%	0.000	1.197	3.001	4.908
3	16:09:16	0.000	0.000	TM 47170.000	TM 34810.000	105.478%	0.000	1.161	2.947	4.251
x		0.000	0.000	TM 46050.000	TM 34540.000	103.890%	0.000	1.184	3.007	5.035
σ		0.000	0.000	TM 1021.000	TM 320.700	1.660%	0.000	0.020	0.063	0.854
%RSD		0.000	0.000	TM 2.217	TM 0.929	1.598	0.000	1.663	2.107	16.960
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:09	977.100	M 248.800	T 1011.000	1.858	1.467	2.859	15.070	M 137.900	M 119.500
2	16:08:13	993.200	M 249.900	T 1016.000	1.833	1.424	3.539	15.100	M 138.400	M 119.200
3	16:09:16	997.900	M 251.100	T 1018.000	1.837	1.391	3.484	15.030	M 138.500	M 120.100
x		989.400	M 249.900	T 1015.000	1.843	1.427	3.294	15.070	M 138.300	M 119.600
σ		10.930	M 1.143	T 3.554	0.014	0.038	0.378	0.036	M 0.321	M 0.476
%RSD		1.105	M 0.457	T 0.350	0.736	2.691	11.460	0.238	M 0.232	M 0.398
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:09	M 126.000	0.743	1.091	1.013	101.831%	6.987	7.461	0.128	-1.473
2	16:08:13	M 125.900	0.635	1.961	1.641	104.122%	6.792	7.301	0.129	-1.711
3	16:09:16	M 126.600	0.742	2.589	2.500	105.820%	6.504	7.351	0.132	-1.941
x		M 126.200	0.707	1.880	1.718	103.925%	6.761	7.371	0.130	-1.708
σ		M 0.388	0.062	0.753	0.747	2.002%	0.243	0.082	0.002	0.234
%RSD		M 0.308	8.801	40.030	43.460	1.926	3.596	1.106	1.719	13.680
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:09	0.134	0.213	0.274	100.789%	1.318	1.269	112.200	112.400	103.226%
2	16:08:13	0.131	0.259	0.278	103.825%	1.159	1.126	112.200	111.700	104.074%
3	16:09:16	0.132	0.237	0.253	103.944%	1.103	1.073	113.100	111.700	103.807%
x		0.132	0.236	0.268	102.853%	1.193	1.156	112.500	111.900	103.702%
σ		0.002	0.023	0.013	1.788%	0.112	0.101	0.517	0.409	0.433%
%RSD		1.242	9.695	4.890	1.739	9.375	8.773	0.459	0.365	0.418
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:09	0.366	0.395	0.284	0.375	2.198	102.130%	0.000	0.908	0.513
2	16:08:13	0.359	0.377	0.290	0.372	2.217	103.140%	0.000	0.839	0.493
3	16:09:16	0.343	0.364	0.285	0.377	2.277	101.980%	0.000	0.825	0.497
x		0.356	0.379	0.286	0.375	2.231	102.417%	0.000	0.857	0.501
σ		0.012	0.015	0.003	0.003	0.041	0.630%	0.000	0.045	0.010
%RSD		3.326	4.056	1.033	0.766	1.847	0.616	0.000	5.235	2.077

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:46	94.403%	0.000	0.136	6.405	T 15190.000	T 5190.000	5249.000	5275.000	19.150
2	16:15:49	96.279%	0.000	0.162	6.824	T 15560.000	T 5321.000	5391.000	5422.000	18.220
3	16:16:53	97.731%	0.000	0.152	6.639	T 16050.000	T 5495.000	5571.000	5606.000	18.250
x		96.138%	0.000	0.150	6.622	T 15600.000	T 5335.000	5404.000	5434.000	18.540
σ		1.668%	0.000	0.013	0.210	T 435.000	T 153.200	161.500	165.800	0.527
%RSD		1.736	0.000	8.512	3.173	T 2.788	T 2.871	2.988	3.051	2.842
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:14:46	T 0.000	0.000	TM 39760.000	TM 100700.000	105.797%	0.000	0.803	3.866	6.020
2	16:15:49	T 0.000	0.000	TM 40650.000	TM 100800.000	111.258%	0.000	0.469	3.862	4.782
3	16:16:53	T 0.000	0.000	TM 42310.000	TM 101900.000	115.163%	0.000	0.532	3.962	3.730
x		T 0.000	0.000	TM 40900.000	TM 101100.000	110.739%	0.000	0.601	3.897	4.844
σ		T 0.000	0.000	TM 1296.000	TM 658.400	4.704%	0.000	0.177	0.057	1.146
%RSD		T 0.000	0.000	TM 3.168	TM 0.651	4.248	0.000	29.520	1.454	23.660
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:14:46	241.700	19.750	199.900	1.444	-1.582	2.481	4.397	M 182.000	M 154.900
2	16:15:49	241.300	19.440	198.000	1.452	-1.734	1.776	4.510	M 182.300	M 152.900
3	16:16:53	240.800	19.370	197.800	1.431	-1.688	2.166	4.387	M 182.000	M 151.500
x		241.300	19.520	198.600	1.442	-1.668	2.141	4.431	M 182.100	M 153.100
σ		0.462	0.203	1.157	0.011	0.078	0.353	0.068	M 0.160	M 1.680
%RSD		0.191	1.040	0.583	0.749	4.689	16.510	1.544	M 0.088	M 1.097
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:14:46	M 163.900	0.520	2.965	2.998	104.367%	2.311	3.023	0.119	-1.858
2	16:15:49	M 164.000	0.636	3.253	3.013	107.660%	2.336	2.981	0.119	-1.697
3	16:16:53	M 163.200	0.642	3.347	2.989	112.201%	2.247	3.007	0.120	-1.721
x		M 163.700	0.600	3.188	3.000	108.076%	2.298	3.003	0.119	-1.759
σ		M 0.451	0.069	0.199	0.012	3.934%	0.046	0.021	0.001	0.087
%RSD		M 0.276	11.460	6.245	0.401	3.640	1.999	0.706	0.471	4.952
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:14:46	0.123	0.090	0.099	103.071%	0.915	0.874	21.340	23.100	104.725%
2	16:15:49	0.122	0.085	0.067	108.482%	0.894	0.852	21.590	23.060	107.961%
3	16:16:53	0.123	0.080	0.069	109.900%	0.880	0.840	21.350	23.040	110.058%
x		0.123	0.085	0.078	107.151%	0.896	0.855	21.420	23.070	107.581%
σ		0.001	0.005	0.018	3.604%	0.018	0.017	0.141	0.032	2.687%
%RSD		0.652	5.817	22.530	3.363	1.954	2.037	0.657	0.137	2.497
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:14:46	0.310	0.336	0.234	0.325	0.331	102.744%	0.000	0.686	0.470
2	16:15:49	0.298	0.330	0.234	0.323	0.336	104.500%	0.000	0.680	0.470
3	16:16:53	0.297	0.324	0.235	0.326	0.336	105.527%	0.000	0.675	0.471
x		0.302	0.330	0.234	0.325	0.334	104.257%	0.000	0.680	0.471
σ		0.007	0.006	0.001	0.001	0.003	1.408%	0.000	0.006	0.001
%RSD		2.251	1.916	0.217	0.434	0.913	1.350	0.000	0.838	0.110

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:20	97.708%	0.000	0.129	6.346	T 7000.000	T 3518.000	3499.000	3491.000	11.220
2	16:23:24	98.683%	0.000	0.129	5.919	T 7069.000	T 3576.000	3577.000	3573.000	11.340
3	16:24:27	99.336%	0.000	0.146	5.935	T 7230.000	T 3659.000	3640.000	3624.000	11.290
x		98.576%	0.000	0.135	6.067	T 7100.000	T 3584.000	3572.000	3563.000	11.280
σ		0.819%	0.000	0.010	0.242	T 118.100	T 71.050	70.600	67.290	0.063
%RSD		0.831	0.000	7.433	3.987	T 1.663	T 1.982	1.976	1.889	0.554
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:20	T 0.000	0.000	TM 45780.000	1790.000	111.630%	0.000	0.533	2.373	6.748
2	16:23:24	T 0.000	0.000	TM 46760.000	1798.000	114.252%	0.000	0.703	2.374	5.464
3	16:24:27	T 0.000	0.000	TM 47300.000	1802.000	116.739%	0.000	0.673	2.365	4.721
x		T 0.000	0.000	TM 46610.000	1796.000	114.207%	0.000	0.636	2.371	5.645
σ		T 0.000	0.000	TM 775.300	6.040	2.555%	0.000	0.091	0.005	1.026
%RSD		T 0.000	0.000	TM 1.663	0.336	2.237	0.000	14.270	0.214	18.170
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:20	80.290	2.317	22.890	1.290	0.800	1.302	2.282	M 129.000	M 109.300
2	16:23:24	79.380	2.293	23.310	1.284	0.663	1.625	2.237	M 129.000	M 105.200
3	16:24:27	79.410	2.368	24.150	1.297	0.789	1.613	2.232	M 128.400	M 108.000
x		79.690	2.326	23.450	1.291	0.751	1.513	2.250	M 128.800	M 107.500
σ		0.513	0.038	0.644	0.006	0.076	0.183	0.027	M 0.334	M 2.109
%RSD		0.644	1.646	2.748	0.496	10.140	12.120	1.213	M 0.259	M 1.962
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:20	M 115.800	0.467	2.454	2.064	109.142%	2.004	2.719	0.115	-1.711
2	16:23:24	M 115.400	0.517	2.625	2.514	111.398%	2.005	2.668	0.116	-1.931
3	16:24:27	M 115.200	0.495	2.942	2.342	113.371%	1.989	2.688	0.115	-1.749
x		M 115.500	0.493	2.674	2.307	111.304%	1.999	2.692	0.115	-1.797
σ		M 0.283	0.025	0.248	0.227	2.116%	0.008	0.025	0.001	0.118
%RSD		M 0.245	5.158	9.267	9.831	1.901	0.423	0.946	0.510	6.560
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:20	0.118	0.070	0.051	108.309%	0.862	0.823	9.588	11.610	107.915%
2	16:23:24	0.118	0.092	0.067	110.625%	0.856	0.816	9.634	11.640	108.872%
3	16:24:27	0.120	0.077	0.053	112.041%	0.849	0.809	9.654	11.630	110.237%
x		0.118	0.079	0.057	110.325%	0.855	0.816	9.625	11.630	109.008%
σ		0.001	0.012	0.009	1.884%	0.007	0.007	0.034	0.015	1.167%
%RSD		1.156	14.650	15.890	1.708	0.773	0.806	0.355	0.128	1.071
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:22:20	0.258	0.277	0.232	0.323	0.260	105.909%	0.000	0.670	0.464
2	16:23:24	0.241	0.274	0.234	0.323	0.257	107.084%	0.000	0.668	0.464
3	16:24:27	0.237	0.256	0.234	0.322	0.255	106.226%	0.000	0.665	0.464
x		0.245	0.269	0.233	0.323	0.257	106.407%	0.000	0.668	0.464
σ		0.011	0.011	0.001	0.001	0.002	0.608%	0.000	0.003	0.000
%RSD		4.359	4.225	0.489	0.180	0.916	0.571	0.000	0.433	0.016

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:55	97.425%	0.000	0.147	5.723	T 8679.000	T 3941.000	3937.000	3967.000	9.275
2	16:30:59	98.800%	0.000	0.144	5.227	T 8855.000	T 4024.000	4050.000	4057.000	9.325
3	16:32:02	100.142%	0.000	0.148	6.152	T 9025.000	T 4098.000	4098.000	4126.000	9.310
x		98.789%	0.000	0.146	5.701	T 8853.000	T 4021.000	4028.000	4050.000	9.303
σ		1.359%	0.000	0.002	0.463	T 173.100	T 78.570	82.770	80.170	0.026
%RSD		1.375	0.000	1.539	8.114	T 1.955	T 1.954	2.055	1.979	0.279
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:55	T 0.000	0.000	TM 54910.000	9967.000	113.205%	0.000	0.722	1.902	7.793
2	16:30:59	T 0.000	0.000	TM 55990.000	10000.000	115.499%	0.000	0.843	1.934	6.169
3	16:32:02	T 0.000	0.000	TM 56540.000	9988.000	119.662%	0.000	0.626	1.947	5.379
x		T 0.000	0.000	TM 55810.000	9986.000	116.122%	0.000	0.731	1.928	6.447
σ		T 0.000	0.000	TM 827.200	17.260	3.273%	0.000	0.109	0.023	1.231
%RSD		T 0.000	0.000	TM 1.482	0.173	2.819	0.000	14.890	1.194	19.090
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:29:55	85.390	3.957	25.240	1.296	0.231	1.210	2.346	M 147.900	M 123.500
2	16:30:59	87.340	3.988	26.560	1.296	0.150	0.971	2.301	M 147.100	M 124.500
3	16:32:02	85.440	3.916	25.690	1.292	0.153	1.304	2.401	M 145.800	M 121.800
x		86.060	3.954	25.830	1.295	0.178	1.162	2.349	M 147.000	M 123.300
σ		1.112	0.036	0.671	0.002	0.046	0.172	0.050	M 1.058	M 1.379
%RSD		1.293	0.906	2.596	0.174	25.930	14.770	2.142	M 0.720	M 1.119
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:29:55	M 132.100	0.489	2.758	2.371	109.594%	1.974	2.661	0.117	-1.460
2	16:30:59	M 133.200	0.487	2.764	2.518	113.252%	1.981	2.661	0.115	-1.681
3	16:32:02	M 132.400	0.413	3.261	2.377	115.852%	1.986	2.649	0.115	-1.794
x		M 132.600	0.463	2.928	2.422	112.899%	1.980	2.657	0.116	-1.645
σ		M 0.577	0.043	0.289	0.083	3.144%	0.006	0.007	0.001	0.170
%RSD		M 0.435	9.329	9.868	3.425	2.785	0.315	0.273	0.955	10.330
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:29:55	0.120	0.050	0.045	108.076%	0.849	0.808	11.070	13.190	107.499%
2	16:30:59	0.117	0.068	0.065	110.275%	0.845	0.795	11.240	13.160	109.403%
3	16:32:02	0.118	0.079	0.074	112.995%	0.838	0.796	11.110	13.090	110.479%
x		0.118	0.066	0.061	110.449%	0.844	0.799	11.140	13.150	109.127%
σ		0.001	0.015	0.015	2.464%	0.005	0.007	0.089	0.047	1.509%
%RSD		1.167	22.740	24.020	2.231	0.610	0.895	0.800	0.355	1.383
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:29:55	0.248	0.275	0.234	0.322	0.261	102.493%	0.000	0.669	0.463
2	16:30:59	0.257	0.278	0.234	0.323	0.266	104.939%	0.000	0.666	0.464
3	16:32:02	0.245	0.266	0.235	0.324	0.265	105.057%	0.000	0.664	0.464
x		0.250	0.273	0.234	0.323	0.264	104.163%	0.000	0.666	0.463
σ		0.006	0.007	0.001	0.001	0.002	1.448%	0.000	0.003	0.000
%RSD		2.374	2.389	0.268	0.385	0.934	1.390	0.000	0.411	0.031

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:37:31	96.509%	0.000	0.138	5.522	T 17080.000	T 5985.000	6064.000	6084.000	14.030
2	16:38:34	98.516%	0.000	0.160	5.645	T 17580.000	T 6130.000	6276.000	6264.000	15.130
3	16:39:37	98.078%	0.000	0.134	5.702	T 18060.000	T 6366.000	6324.000	6498.000	14.500
x		97.701%	0.000	0.144	5.623	T 17570.000	T 6161.000	6221.000	6282.000	14.550
σ		1.055%	0.000	0.014	0.092	T 492.400	T 192.300	138.100	207.900	0.549
%RSD		1.080	0.000	9.630	1.638	T 2.802	T 3.122	2.220	3.309	3.772

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:37:31	T 0.000	0.000	TM 41150.000	TM 147700.000	113.053%	0.000	0.624	9.726	7.024
2	16:38:34	T 0.000	0.000	TM 41900.000	TM 148500.000	117.382%	0.000	0.721	9.767	5.256
3	16:39:37	T 0.000	0.000	TM 43420.000	TM 147800.000	121.383%	0.000	0.649	9.747	4.504
x		T 0.000	0.000	TM 42160.000	TM 148000.000	117.273%	0.000	0.664	9.746	5.595
σ		T 0.000	0.000	TM 1154.000	TM 452.400	4.166%	0.000	0.050	0.020	1.294
%RSD		T 0.000	0.000	TM 2.737	TM 0.306	3.553	0.000	7.546	0.209	23.130

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:37:31	226.400	23.370	180.000	1.455	0.287	5.301	2.969	M 246.000	M 205.200
2	16:38:34	222.400	23.210	179.800	1.469	0.128	6.113	2.945	M 243.900	M 200.600
3	16:39:37	224.200	22.960	179.100	1.453	0.249	5.576	2.895	M 244.100	M 200.700
x		224.300	23.180	179.600	1.459	0.221	5.664	2.936	M 244.700	M 202.200
σ		1.988	0.206	0.510	0.008	0.083	0.413	0.038	M 1.165	M 2.608
%RSD		0.886	0.888	0.284	0.581	37.520	7.293	1.295	M 0.476	M 1.290

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:37:31	M 222.900	0.507	2.749	2.187	110.046%	2.619	3.218	0.118	-1.919
2	16:38:34	M 219.900	0.409	2.748	2.270	115.461%	2.503	3.205	0.117	-1.509
3	16:39:37	M 218.500	0.467	3.173	2.346	116.710%	2.516	3.179	0.115	-1.530
x		M 220.400	0.461	2.890	2.267	114.072%	2.546	3.201	0.117	-1.652
σ		M 2.279	0.050	0.245	0.079	3.543%	0.064	0.020	0.002	0.231
%RSD		M 1.034	10.750	8.469	3.506	3.106	2.505	0.610	1.410	13.980

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:37:31	0.120	0.101	0.092	107.975%	0.842	0.802	32.540	34.150	108.052%
2	16:38:34	0.119	0.066	0.128	110.979%	0.834	0.795	32.460	33.850	109.628%
3	16:39:37	0.120	0.063	0.103	113.095%	0.834	0.789	32.690	33.910	109.581%
x		0.120	0.077	0.107	110.683%	0.837	0.795	32.560	33.970	109.087%
σ		0.000	0.021	0.018	2.573%	0.005	0.006	0.117	0.158	0.897%
%RSD		0.192	27.790	17.130	2.324	0.538	0.777	0.359	0.464	0.822

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:37:31	0.299	0.307	0.233	0.321	0.407	102.422%	0.000	0.665	0.472
2	16:38:34	0.276	0.319	0.231	0.319	0.396	102.099%	0.000	0.663	0.472
3	16:39:37	0.278	0.307	0.231	0.320	0.403	101.110%	0.000	0.664	0.471
x		0.284	0.311	0.231	0.320	0.402	101.877%	0.000	0.664	0.472
σ		0.013	0.007	0.001	0.001	0.005	0.684%	0.000	0.001	0.000
%RSD		4.539	2.246	0.536	0.222	1.358	0.671	0.000	0.145	0.059

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:45:06	97.665%	0.000	0.166	6.377	T 13590.000	T 5230.000	5319.000	5295.000	15.590
2	16:46:10	98.500%	0.000	0.144	5.934	T 13900.000	T 5385.000	5431.000	5491.000	15.460
3	16:47:13	99.118%	0.000	0.149	6.250	T 14230.000	T 5526.000	5593.000	5600.000	15.600
x		98.427%	0.000	0.153	6.187	T 13900.000	T 5380.000	5447.000	5462.000	15.550
σ		0.729%	0.000	0.011	0.228	T 318.800	T 148.300	137.800	154.400	0.077
%RSD		0.741	0.000	7.378	3.683	T 2.293	T 2.757	2.530	2.826	0.496

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:45:06	T 0.000	0.000	TM 40790.000	TM 106500.000	113.793%	0.000	0.736	5.540	6.840
2	16:46:10	T 0.000	0.000	TM 42050.000	TM 107400.000	117.720%	0.000	0.562	5.533	5.841
3	16:47:13	T 0.000	0.000	TM 42650.000	TM 107200.000	120.028%	0.000	0.573	5.474	5.073
x		T 0.000	0.000	TM 41830.000	TM 107000.000	117.180%	0.000	0.624	5.516	5.918
σ		T 0.000	0.000	TM 948.600	TM 463.000	3.152%	0.000	0.097	0.036	0.886
%RSD		T 0.000	0.000	TM 2.268	TM 0.433	2.690	0.000	15.610	0.661	14.970
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:45:06	180.300	21.110	132.400	1.385	-1.134	3.614	2.972	M 193.100	M 159.600
2	16:46:10	179.300	21.140	132.900	1.377	-1.171	3.422	2.893	M 189.800	M 158.700
3	16:47:13	180.800	21.370	133.700	1.391	-1.197	2.685	2.985	M 191.800	M 159.100
x		180.100	21.200	133.000	1.384	-1.167	3.241	2.950	M 191.600	M 159.100
σ		0.778	0.142	0.659	0.007	0.031	0.490	0.050	M 1.645	M 0.450
%RSD		0.432	0.669	0.496	0.506	2.688	15.130	1.695	M 0.859	M 0.283
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:45:06	M 170.400	0.473	2.347	1.932	110.965%	2.248	2.921	0.117	-1.864
2	16:46:10	M 170.200	0.430	2.734	2.176	113.872%	2.266	2.882	0.116	-1.902
3	16:47:13	M 172.300	0.371	3.142	1.984	116.082%	2.202	2.900	0.119	-1.624
x		M 171.000	0.425	2.741	2.031	113.640%	2.239	2.901	0.117	-1.797
σ		M 1.183	0.052	0.398	0.128	2.567%	0.033	0.020	0.002	0.151
%RSD		M 0.692	12.160	14.510	6.308	2.259	1.470	0.675	1.553	8.385
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:45:06	0.121	0.106	0.113	109.129%	0.835	0.794	25.810	27.340	108.884%
2	16:46:10	0.118	0.109	0.108	111.153%	0.828	0.782	25.970	27.490	109.320%
3	16:47:13	0.120	0.076	0.068	114.381%	0.825	0.782	25.490	27.110	108.371%
x		0.119	0.097	0.096	111.554%	0.829	0.786	25.760	27.310	108.858%
σ		0.002	0.018	0.024	2.649%	0.005	0.007	0.249	0.194	0.475%
%RSD		1.389	18.560	25.300	2.375	0.655	0.885	0.966	0.709	0.436
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:45:06	0.254	0.271	0.234	0.323	0.335	102.295%	0.000	0.664	0.468
2	16:46:10	0.244	0.272	0.236	0.323	0.338	101.357%	0.000	0.662	0.467
3	16:47:13	0.266	0.265	0.232	0.322	0.347	100.009%	0.000	0.662	0.468
x		0.255	0.269	0.234	0.323	0.340	101.220%	0.000	0.663	0.468
σ		0.011	0.004	0.002	0.001	0.007	1.149%	0.000	0.001	0.000
%RSD		4.430	1.429	0.762	0.270	1.924	1.135	0.000	0.156	0.074

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:52:41	98.163%	0.000	0.129	4.753	T 15670.000	T 6067.000	6156.000	6176.000	15.120
2	16:53:45	99.831%	0.000	0.171	5.037	T 15830.000	T 6147.000	6092.000	T 6064.000	14.480
3	16:54:48	99.100%	0.000	0.154	4.654	T 16380.000	T 6370.000	6462.000	6505.000	14.630
x		99.031%	0.000	0.151	4.815	T 15960.000	T 6194.000	6237.000	T 6248.000	14.740
σ		0.836%	0.000	0.021	0.199	T 374.300	T 157.100	197.600	T 229.000	0.340
%RSD		0.844	0.000	14.110	4.129	T 2.346	T 2.536	3.168	T 3.664	2.305
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:52:41	T 0.000	0.000	TM 40010.000	TM 140900.000	114.129%	0.000	0.803	7.338	6.961
2	16:53:45	T 0.000	0.000	TM 40460.000	TM 141300.000	117.461%	0.000	0.584	7.200	5.766
3	16:54:48	T 0.000	0.000	TM 41390.000	TM 142300.000	120.229%	0.000	0.671	7.172	4.856
x		T 0.000	0.000	TM 40620.000	TM 141500.000	117.273%	0.000	0.686	7.237	5.861
σ		T 0.000	0.000	TM 705.800	TM 703.500	3.054%	0.000	0.111	0.089	1.056
%RSD		T 0.000	0.000	TM 1.738	TM 0.497	2.604	0.000	16.110	1.230	18.010
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:52:41	218.700	27.430	175.600	1.402	-1.193	4.058	3.215	M 261.600	M 218.300
2	16:53:45	218.000	27.300	176.000	1.409	-1.243	4.110	3.232	M 261.600	M 216.200
3	16:54:48	216.800	26.830	174.700	1.409	-1.086	4.238	3.069	M 257.800	M 216.600
x		217.800	27.190	175.400	1.407	-1.174	4.135	3.172	M 260.400	M 217.000
σ		0.956	0.315	0.684	0.004	0.080	0.093	0.090	M 2.178	M 1.132
%RSD		0.439	1.160	0.390	0.306	6.836	2.241	2.825	M 0.837	M 0.522
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:52:41	M 235.200	0.415	2.634	1.852	111.987%	2.403	3.089	0.117	-1.769
2	16:53:45	M 234.600	0.460	2.689	2.275	114.583%	2.414	3.091	0.117	-1.532
3	16:54:48	M 231.900	0.429	2.746	2.257	116.113%	2.395	3.062	0.117	-1.783
x		M 233.900	0.435	2.690	2.128	114.227%	2.404	3.081	0.117	-1.695
σ		M 1.783	0.023	0.056	0.239	2.086%	0.010	0.016	0.000	0.141
%RSD		M 0.762	5.276	2.076	11.250	1.826	0.405	0.528	0.393	8.307
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:52:41	0.121	0.092	0.105	110.801%	0.828	0.785	26.440	27.890	109.616%
2	16:53:45	0.118	0.077	0.052	111.041%	0.822	0.781	26.980	28.120	108.847%
3	16:54:48	0.120	0.085	0.091	113.974%	0.823	0.780	26.380	27.900	110.477%
x		0.120	0.085	0.083	111.939%	0.824	0.782	26.600	27.970	109.647%
σ		0.001	0.007	0.027	1.767%	0.003	0.003	0.330	0.132	0.816%
%RSD		1.040	8.729	33.070	1.578	0.354	0.367	1.242	0.470	0.744
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:52:41	0.251	0.279	0.231	0.322	0.363	102.392%	0.000	0.662	0.468
2	16:53:45	0.250	0.270	0.233	0.321	0.356	101.229%	0.000	0.662	0.469
3	16:54:48	0.249	0.269	0.234	0.323	0.362	99.934%	0.000	0.660	0.468
x		0.250	0.272	0.233	0.322	0.361	101.185%	0.000	0.661	0.468
σ		0.001	0.005	0.002	0.001	0.004	1.230%	0.000	0.001	0.001
%RSD		0.239	2.001	0.729	0.295	1.044	1.215	0.000	0.172	0.114

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:17	100.903%	0.000	0.137	4.053	T 6812.000	T 3729.000	3711.000	3703.000	16.750
2	17:01:20	101.729%	0.000	0.109	3.807	T 6875.000	T 3781.000	3764.000	3797.000	17.010
3	17:02:24	103.550%	0.000	0.136	3.535	T 6895.000	T 3800.000	3795.000	3778.000	17.280
x		102.060%	0.000	0.128	3.799	T 6861.000	T 3770.000	3757.000	3759.000	17.020
σ		1.355%	0.000	0.016	0.259	T 43.150	T 36.790	42.650	49.700	0.264
%RSD		1.327	0.000	12.350	6.828	T 0.629	T 0.976	1.135	1.322	1.552
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:17	T 0.000	0.000	TM 45970.000	11530.000	116.428%	0.000	0.772	2.054	6.605
2	17:01:20	T 0.000	0.000	TM 46520.000	11630.000	118.168%	0.000	0.495	2.034	6.442
3	17:02:24	T 0.000	0.000	TM 46400.000	11720.000	118.817%	0.000	0.497	2.073	6.105
x		T 0.000	0.000	TM 46300.000	11630.000	117.804%	0.000	0.588	2.054	6.384
σ		T 0.000	0.000	TM 290.600	93.410	1.236%	0.000	0.160	0.019	0.255
%RSD		T 0.000	0.000	TM 0.628	0.803	1.049	0.000	27.140	0.945	3.991
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:00:17	68.150	2.216	14.730	1.278	0.317	1.422	1.603	66.830	56.080
2	17:01:20	66.720	2.182	14.610	1.277	0.283	1.464	1.439	66.790	56.990
3	17:02:24	69.450	2.245	15.880	1.281	0.261	1.640	1.380	66.420	56.990
x		68.110	2.214	15.070	1.279	0.287	1.509	1.474	66.680	56.690
σ		1.365	0.031	0.698	0.002	0.029	0.115	0.115	0.224	0.525
%RSD		2.005	1.411	4.634	0.150	9.944	7.652	7.819	0.336	0.927
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:00:17	59.970	0.221	2.197	1.535	114.630%	1.974	2.651	0.116	-1.496
2	17:01:20	60.070	0.311	2.492	1.947	115.421%	1.957	2.628	0.115	-1.845
3	17:02:24	61.050	0.270	2.753	2.305	115.759%	1.959	2.626	0.114	-1.795
x		60.360	0.267	2.481	1.929	115.270%	1.963	2.635	0.115	-1.712
σ		0.597	0.046	0.278	0.386	0.579%	0.009	0.014	0.001	0.188
%RSD		0.989	17.030	11.210	19.990	0.503	0.466	0.530	0.759	11.010
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:00:17	0.118	0.061	0.097	111.385%	0.820	0.781	10.430	12.400	109.426%
2	17:01:20	0.119	0.090	0.055	112.146%	0.820	0.777	10.500	12.360	110.349%
3	17:02:24	0.118	0.079	0.066	114.041%	0.814	0.776	10.510	12.390	111.121%
x		0.118	0.077	0.073	112.524%	0.818	0.778	10.480	12.380	110.298%
σ		0.001	0.015	0.021	1.368%	0.004	0.003	0.043	0.022	0.849%
%RSD		0.455	19.540	29.500	1.215	0.474	0.372	0.415	0.180	0.769
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:00:17	0.183	0.211	0.235	0.322	0.265	102.550%	0.000	0.657	0.463
2	17:01:20	0.181	0.208	0.233	0.323	0.268	103.222%	0.000	0.657	0.463
3	17:02:24	0.177	0.204	0.233	0.322	0.266	102.976%	0.000	0.657	0.463
x		0.180	0.208	0.234	0.323	0.266	102.916%	0.000	0.657	0.463
σ		0.003	0.004	0.001	0.001	0.002	0.340%	0.000	0.000	0.000
%RSD		1.636	1.766	0.382	0.195	0.568	0.330	0.000	0.063	0.007

200-2079-A-12-I 10/30/2010 05:06:50 PM

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:53	106.438%	0.000	0.103	2.824	T 1497.000	764.600	701.100	683.800	5.991
2	17:08:56	107.516%	0.000	0.110	2.460	T 1494.000	764.400	695.300	681.700	5.992
3	17:10:00	108.285%	0.000	0.121	2.406	T 1486.000	767.100	707.300	693.100	6.068
x		107.413%	0.000	0.111	2.563	T 1492.000	765.400	701.200	686.200	6.017
σ		0.928%	0.000	0.009	0.228	T 5.750	1.513	5.952	6.053	0.044
%RSD		0.864	0.000	8.312	8.875	T 0.385	0.198	0.849	0.882	0.732
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:53	0.000	0.000	T 8936.000	2254.000	119.221%	0.000	0.573	0.640	7.929
2	17:08:56	0.000	0.000	T 8930.000	2289.000	119.596%	0.000	0.568	0.685	6.852
3	17:10:00	0.000	0.000	T 8888.000	2273.000	121.166%	0.000	0.259	0.633	6.594
x		0.000	0.000	T 8918.000	2272.000	119.994%	0.000	0.467	0.653	7.125
σ		0.000	0.000	T 26.100	17.570	1.032%	0.000	0.180	0.028	0.708
%RSD		0.000	0.000	T 0.293	0.773	0.860	0.000	38.490	4.248	9.939
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:53	33.170	0.781	0.268	1.267	0.120	0.937	0.207	14.700	12.590
2	17:08:56	34.290	0.782	0.743	1.271	0.160	1.147	0.200	14.470	12.470
3	17:10:00	34.020	0.790	0.721	1.269	0.138	0.845	0.169	14.690	12.450
x		33.820	0.785	0.577	1.269	0.140	0.976	0.192	14.620	12.500
σ		0.586	0.005	0.268	0.002	0.020	0.155	0.021	0.128	0.074
%RSD		1.733	0.626	46.500	0.125	14.260	15.830	10.760	0.878	0.589
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:53	13.080	0.228	1.299	0.669	114.613%	1.933	2.605	0.114	-1.370
2	17:08:56	13.470	0.291	1.287	0.463	116.715%	1.924	2.603	0.114	-1.630
3	17:10:00	13.080	0.221	1.360	0.438	116.270%	1.922	2.611	0.114	-1.720
x		13.210	0.247	1.315	0.524	115.866%	1.926	2.606	0.114	-1.573
σ		0.224	0.039	0.039	0.127	1.107%	0.006	0.004	0.000	0.182
%RSD		1.692	15.620	2.986	24.210	0.956	0.298	0.155	0.174	11.570
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:53	0.117	0.047	0.074	113.937%	0.806	0.764	9.536	11.530	108.431%
2	17:08:56	0.117	0.067	0.088	115.160%	0.803	0.765	9.547	11.550	109.665%
3	17:10:00	0.117	0.078	0.098	114.836%	0.803	0.763	9.530	11.540	108.598%
x		0.117	0.064	0.087	114.644%	0.804	0.764	9.538	11.540	108.898%
σ		0.000	0.016	0.012	0.634%	0.002	0.001	0.009	0.008	0.670%
%RSD		0.161	24.760	14.190	0.553	0.196	0.145	0.091	0.071	0.615
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:53	0.118	0.149	0.230	0.319	0.238	102.347%	0.000	0.652	0.463
2	17:08:56	0.116	0.141	0.231	0.320	0.237	104.524%	0.000	0.651	0.463
3	17:10:00	0.114	0.149	0.229	0.320	0.240	102.437%	0.000	0.652	0.463
x		0.116	0.147	0.230	0.319	0.238	103.103%	0.000	0.652	0.463
σ		0.002	0.005	0.001	0.001	0.002	1.232%	0.000	0.000	0.000
%RSD		1.985	3.118	0.266	0.247	0.746	1.195	0.000	0.017	0.035

200-2079-A-12-I 10/30/2010 05:14:25 PM

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:15:29	99.213%	0.000	10.370	208.800	T 11540.000	T 8725.000	T 8694.000	T 8594.000	373.700
2	17:16:32	99.128%	0.000	10.180	212.600	T 11640.000	T 8730.000	T 8641.000	T 8591.000	367.300
3	17:17:36	99.229%	0.000	10.160	213.500	T 11950.000	T 8923.000	T 8814.000	T 8783.000	375.900
x		99.190%	0.000	10.240	211.600	T 11710.000	T 8793.000	T 8716.000	T 8656.000	372.300
σ		0.054%	0.000	0.115	2.501	T 209.800	T 113.100	T 88.810	T 109.800	4.473
%RSD		0.055	0.000	1.126	1.182	T 1.792	T 1.286	T 1.019	T 1.268	1.202
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:15:29	T 0.000	0.000	TM 47750.000	16040.000	107.103%	0.000	18.250	19.610	16.110
2	17:16:32	T 0.000	0.000	TM 48280.000	15960.000	108.732%	0.000	18.300	19.480	16.120
3	17:17:36	T 0.000	0.000	TM 48860.000	15920.000	108.671%	0.000	18.190	19.780	16.070
x		T 0.000	0.000	TM 48300.000	15970.000	108.169%	0.000	18.250	19.620	16.100
σ		T 0.000	0.000	TM 557.200	65.410	0.924%	0.000	0.058	0.155	0.026
%RSD		T 0.000	0.000	TM 1.154	0.409	0.854	0.000	0.316	0.788	0.162
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:15:29	920.900	19.700	T 950.100	44.060	18.240	19.690	19.510	84.510	75.360
2	17:16:32	921.800	19.560	T 932.800	42.830	17.740	19.070	18.980	82.400	72.340
3	17:17:36	931.600	20.100	T 949.000	43.480	17.940	20.400	18.900	84.080	73.990
x		924.800	19.790	T 944.000	43.460	17.970	19.720	19.130	83.660	73.900
σ		5.957	0.281	T 9.702	0.611	0.249	0.661	0.331	1.118	1.510
%RSD		0.644	1.418	T 1.028	1.406	1.387	3.354	1.730	1.337	2.044
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:15:29	77.770	9.232	10.720	10.880	106.520%	89.230	88.980	8.967	-1.142
2	17:16:32	76.500	9.358	11.140	11.110	105.962%	89.210	88.300	8.920	-0.874
3	17:17:36	77.880	9.270	11.290	11.250	106.532%	89.260	88.720	8.851	-1.941
x		77.380	9.287	11.050	11.080	106.338%	89.240	88.670	8.913	-1.319
σ		0.768	0.065	0.295	0.184	0.326%	0.024	0.342	0.058	0.555
%RSD		0.992	0.697	2.672	1.662	0.306	0.027	0.385	0.656	42.090
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:15:29	8.797	8.821	8.870	106.086%	18.680	18.770	217.800	214.200	104.921%
2	17:16:32	8.975	8.969	8.762	106.346%	19.240	19.240	217.200	212.900	105.185%
3	17:17:36	8.899	8.973	8.763	107.571%	19.150	19.130	215.200	213.100	105.838%
x		8.890	8.921	8.798	106.668%	19.020	19.050	216.700	213.400	105.315%
σ		0.089	0.086	0.062	0.793%	0.300	0.244	1.379	0.742	0.472%
%RSD		1.003	0.967	0.704	0.744	1.578	1.281	0.636	0.348	0.448
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:15:29	9.381	9.322	9.106	8.941	9.056	99.410%	0.000	8.934	8.601
2	17:16:32	9.350	9.408	9.296	9.186	9.253	97.865%	0.000	8.886	8.683
3	17:17:36	9.242	9.222	9.269	9.015	9.043	99.231%	0.000	8.971	8.652
x		9.324	9.317	9.224	9.047	9.117	98.835%	0.000	8.930	8.645
σ		0.073	0.093	0.103	0.126	0.117	0.845%	0.000	0.042	0.042
%RSD		0.784	1.001	1.114	1.387	1.287	0.855	0.000	0.474	0.482

CCV 10/30/2010 05:22:01 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:04	105.741%	0.000	10.740	216.200	T 5853.000	T 5612.000	5706.000	5716.000	406.400
2	17:24:08	104.945%	0.000	11.100	218.200	T 5909.000	T 5682.000	5766.000	5785.000	406.300
3	17:25:11	105.189%	0.000	10.940	218.900	T 5871.000	T 5676.000	5757.000	5752.000	407.300
x		105.292%	0.000	109.268%	108.886%	T 117.559%	T 5657.000	114.856%	115.022%	101.663%
σ		0.408%	0.000	n/a	n/a	T n/a	T 39.110	n/a	n/a	n/a
%RSD		0.387	0.000	1.660	0.644	T 0.486	T 0.691	0.563	0.596	0.139
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:04	0.000	0.000	T 5794.000	4904.000	112.205%	0.000	19.820	19.370	12.550
2	17:24:08	0.000	0.000	T 5804.000	4888.000	112.016%	0.000	19.340	19.260	11.090
3	17:25:11	0.000	0.000	T 5797.000	4903.000	112.269%	0.000	19.600	19.360	9.646
x		0.000	0.000	T 115.967%	97.969%	112.163%	0.000	97.931%	96.647%	11.090
σ		0.000	0.000	T n/a	n/a	0.131%	0.000	n/a	n/a	1.452
%RSD		0.000	0.000	T 0.093	0.185	0.117	0.000	1.220	0.325	13.090
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:04	958.500	19.110	T 1004.000	46.630	19.450	20.460	19.270	18.850	19.380
2	17:24:08	957.400	19.150	T 1014.000	47.080	19.580	20.450	19.250	19.190	19.980
3	17:25:11	956.800	19.120	T 1017.000	47.120	19.200	19.270	19.190	19.330	19.430
x		957.600	95.632%	T 101.152%	93.886%	97.035%	100.294%	96.178%	95.614%	97.981%
σ		0.838	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.087	0.113	T 0.672	0.580	0.986	3.403	0.213	1.275	1.692
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:04	19.300	9.982	10.810	10.320	109.165%	93.840	93.160	9.498	-0.543
2	17:24:08	19.310	9.924	10.710	10.070	110.059%	94.480	93.250	9.829	-0.661
3	17:25:11	19.340	10.060	10.780	10.370	109.334%	95.160	94.210	9.812	-1.409
x		96.571%	99.890%	107.660%	102.558%	109.519%	94.493%	93.540	97.131%	-0.871
σ		n/a	n/a	n/a	n/a	0.475%	n/a	0.585	n/a	0.469
%RSD		0.106	0.686	0.483	1.552	0.434	0.698	0.626	1.917	53.880
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:04	9.584	9.553	9.576	108.589%	16.240	16.240	231.700	227.100	106.995%
2	17:24:08	9.659	9.492	9.708	108.567%	18.370	18.300	231.900	226.400	106.402%
3	17:25:11	9.742	9.784	9.633	108.958%	19.280	19.130	229.600	225.800	106.476%
x		96.616%	96.097%	96.390%	108.705%	89.802%	89.438%	92.425%	90.576%	106.624%
σ		n/a	n/a	n/a	0.220%	n/a	n/a	n/a	n/a	0.323%
%RSD		0.821	1.606	0.688	0.202	8.689	8.306	0.557	0.286	0.303
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:23:04	9.110	9.051	9.681	9.462	9.581	100.938%	0.000	7.833	8.952
2	17:24:08	9.181	9.213	9.646	9.362	9.676	100.536%	0.000	8.426	8.930
3	17:25:11	9.346	9.328	9.645	9.410	9.499	100.803%	0.000	8.763	9.037
x		92.124%	91.973%	96.572%	94.112%	95.853%	100.759%	0.000	8.341	8.973
σ		n/a	n/a	n/a	n/a	n/a	0.204%	0.000	0.471	0.057
%RSD		1.315	1.508	0.216	0.530	0.924	0.203	0.000	5.646	0.630

CCB 10/30/2010 05:29:37 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:41	106.581%	0.000	0.158	5.943	195.000	56.190	15.950	4.729	6.515
2	17:31:44	107.761%	0.000	0.145	5.187	188.700	57.010	17.840	5.353	6.674
3	17:32:48	107.421%	0.000	0.141	4.634	186.300	54.910	15.730	2.721	6.474
x		107.254%	0.000	0.148	5.255	190.000	56.040	16.510	4.268	6.554
σ		0.608%	0.000	0.009	0.657	4.525	1.057	1.161	1.375	0.106
%RSD		0.567	0.000	6.045	12.500	2.381	1.887	7.031	32.230	1.611
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:41	0.000	0.000	111.200	118.400	111.177%	0.000	0.705	0.377	12.430
2	17:31:44	0.000	0.000	T 88.640	121.000	111.071%	0.000	0.672	0.378	10.550
3	17:32:48	0.000	0.000	83.220	120.900	110.090%	0.000	0.500	0.359	9.307
x		0.000	0.000	T 94.340	120.100	110.779%	0.000	0.626	0.372	10.760
σ		0.000	0.000	T 14.820	1.492	0.599%	0.000	0.110	0.010	1.570
%RSD		0.000	0.000	T 15.710	1.242	0.541	0.000	17.560	2.821	14.590
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:30:41	28.340	0.367	11.300	1.322	0.184	0.802	-0.140	-0.306	0.177
2	17:31:44	28.760	0.370	11.730	1.332	0.119	1.202	-0.152	-0.279	0.073
3	17:32:48	28.460	0.367	11.240	1.307	0.158	1.035	-0.136	-0.273	-0.134
x		28.520	0.368	11.430	1.320	0.154	1.013	-0.142	-0.286	0.039
σ		0.214	0.002	0.267	0.012	0.033	0.201	0.008	0.018	0.158
%RSD		0.751	0.449	2.339	0.938	21.320	19.800	5.819	6.277	409.900
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:30:41	-0.296	0.086	0.415	0.054	108.538%	2.424	3.099	0.125	-1.919
2	17:31:44	-0.249	0.080	0.601	0.020	109.829%	2.370	3.022	0.130	-1.888
3	17:32:48	-0.305	0.116	0.537	0.011	108.910%	2.276	2.966	0.129	-1.777
x		-0.283	0.094	0.518	0.028	109.092%	2.357	3.029	0.128	-1.861
σ		0.030	0.019	0.095	0.023	0.664%	0.075	0.067	0.003	0.075
%RSD		10.770	20.410	18.270	80.680	0.609	3.162	2.214	2.183	4.005
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:30:41	0.130	0.103	0.124	107.964%	1.563	1.523	9.604	11.620	105.198%
2	17:31:44	0.132	0.093	0.119	107.972%	1.390	1.350	9.709	11.620	104.596%
3	17:32:48	0.130	0.079	0.106	107.839%	1.272	1.228	9.575	11.540	105.123%
x		0.131	0.092	0.116	107.925%	1.408	1.367	9.629	11.600	104.972%
σ		0.001	0.012	0.009	0.075%	0.146	0.148	0.070	0.047	0.328%
%RSD		0.875	12.740	7.960	0.069	10.390	10.830	0.728	0.401	0.313
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:30:41	0.222	0.254	0.241	0.333	0.233	100.892%	0.000	0.815	0.475
2	17:31:44	0.205	0.223	0.245	0.331	0.234	101.515%	0.000	0.782	0.476
3	17:32:48	0.185	0.209	0.239	0.331	0.234	99.940%	0.000	0.766	0.474
x		0.204	0.229	0.242	0.332	0.233	100.782%	0.000	0.788	0.475
σ		0.018	0.023	0.003	0.001	0.001	0.793%	0.000	0.025	0.001
%RSD		8.902	9.976	1.135	0.275	0.239	0.787	0.000	3.172	0.220

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:19	103.589%	0.000	0.133	4.472	T 6143.000	T 3219.000	3214.000	3226.000	6.629
2	17:39:22	105.658%	0.000	0.123	4.517	T 6248.000	T 3277.000	3258.000	3257.000	6.438
3	17:40:26	106.699%	0.000	0.122	4.460	T 6341.000	T 3362.000	3336.000	3358.000	6.564
x		105.316%	0.000	0.126	4.483	T 6244.000	T 3286.000	3269.000	3280.000	6.544
σ		1.583%	0.000	0.006	0.030	T 99.260	T 71.800	61.840	69.220	0.098
%RSD		1.503	0.000	5.059	0.664	T 1.590	T 2.185	1.892	2.110	1.491

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:19	T 0.000	0.000	TM 41950.000	1415.000	106.290%	0.000	1.070	1.939	15.470
2	17:39:22	T 0.000	0.000	TM 42160.000	1409.000	109.435%	0.000	0.876	1.846	11.900
3	17:40:26	T 0.000	0.000	TM 43350.000	1417.000	112.083%	0.000	0.929	1.850	9.295
x		T 0.000	0.000	TM 42490.000	1414.000	109.269%	0.000	0.958	1.879	12.220
σ		T 0.000	0.000	TM 756.700	4.029	2.900%	0.000	0.100	0.053	3.098
%RSD		T 0.000	0.000	TM 1.781	0.285	2.654	0.000	10.470	2.796	25.350

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:19	68.740	1.390	22.130	1.291	0.516	1.340	1.834	87.220	74.340
2	17:39:22	69.350	1.385	21.140	1.285	0.497	1.565	1.708	87.350	74.170
3	17:40:26	70.480	1.381	20.140	1.290	0.413	1.155	1.739	86.350	72.500
x		69.520	1.385	21.130	1.289	0.475	1.354	1.760	86.970	73.670
σ		0.881	0.005	0.993	0.003	0.054	0.205	0.065	0.545	1.018
%RSD		1.267	0.325	4.698	0.239	11.420	15.170	3.719	0.627	1.382

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:19	78.220	0.211	1.618	1.834	105.678%	2.092	2.768	0.117	-1.487
2	17:39:22	77.910	0.295	2.129	1.929	107.491%	2.063	2.743	0.120	-1.571
3	17:40:26	77.710	0.318	2.489	2.295	109.205%	2.050	2.728	0.116	-1.623
x		77.950	0.275	2.079	2.019	107.458%	2.068	2.746	0.117	-1.560
σ		0.255	0.057	0.438	0.243	1.763%	0.022	0.021	0.002	0.068
%RSD		0.327	20.610	21.060	12.040	1.641	1.054	0.751	1.701	4.380

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:19	0.121	0.052	0.048	104.459%	1.221	1.173	9.446	11.430	104.259%
2	17:39:22	0.119	0.059	0.053	105.662%	1.075	1.029	9.482	11.460	106.187%
3	17:40:26	0.119	0.068	0.067	108.723%	1.000	0.960	9.438	11.440	107.020%
x		0.119	0.060	0.056	106.281%	1.099	1.054	9.455	11.440	105.822%
σ		0.001	0.008	0.010	2.198%	0.112	0.109	0.023	0.015	1.416%
%RSD		0.931	12.900	17.520	2.068	10.230	10.300	0.248	0.128	1.338

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:19	0.281	0.320	0.239	0.327	0.246	99.604%	0.000	0.823	0.468
2	17:39:22	0.249	0.284	0.234	0.327	0.243	101.451%	0.000	0.737	0.466
3	17:40:26	0.233	0.263	0.236	0.326	0.244	100.243%	0.000	0.712	0.465
x		0.254	0.289	0.236	0.326	0.245	100.433%	0.000	0.757	0.466
σ		0.024	0.029	0.002	0.001	0.002	0.938%	0.000	0.058	0.001
%RSD		9.575	9.956	0.988	0.248	0.665	0.934	0.000	7.713	0.257

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:55	104.859%	0.000	9.099	183.600	T 10890.000	T 7711.000	T 7664.000	T 7612.000	330.900
2	17:46:59	103.728%	0.000	9.290	188.700	T 11140.000	T 7970.000	T 7853.000	T 7764.000	331.100
3	17:48:02	103.249%	0.000	8.776	190.000	T 11370.000	T 8068.000	T 8020.000	T 7927.000	329.300
x		103.945%	0.000	9.055	187.400	T 11130.000	T 7916.000	T 7846.000	T 7768.000	330.400
σ		0.827%	0.000	0.260	3.410	T 241.800	T 184.100	T 177.900	T 157.500	1.028
%RSD		0.795	0.000	2.872	1.819	T 2.173	T 2.325	T 2.268	T 2.027	0.311

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:55	T 0.000	0.000	TM 45910.000	5671.000	108.978%	0.000	16.860	17.800	16.980
2	17:46:59	T 0.000	0.000	TM 46940.000	5684.000	110.103%	0.000	16.480	17.310	16.450
3	17:48:02	T 0.000	0.000	TM 47750.000	5648.000	111.922%	0.000	16.760	17.420	14.470
x		T 0.000	0.000	TM 46870.000	5668.000	110.334%	0.000	16.700	17.510	15.970
σ		T 0.000	0.000	TM 923.500	18.010	1.485%	0.000	0.198	0.255	1.325
%RSD		T 0.000	0.000	TM 1.971	0.318	1.346	0.000	1.183	1.457	8.300
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:45:55	847.100	17.280	T 857.200	40.090	16.470	16.620	18.000	M 108.300	92.190
2	17:46:59	847.400	17.330	T 872.100	39.810	16.400	16.980	17.950	M 108.400	92.580
3	17:48:02	841.200	17.310	T 858.200	39.150	15.900	16.390	17.490	M 106.700	92.490
x		845.300	17.310	T 862.500	39.690	16.260	16.660	17.810	M 107.800	92.420
σ		3.519	0.023	T 8.334	0.486	0.312	0.298	0.278	M 0.961	0.208
%RSD		0.416	0.135	T 0.966	1.226	1.921	1.792	1.559	M 0.891	0.225
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:45:55	98.160	8.453	11.060	10.680	107.403%	81.730	81.160	8.236	-0.996
2	17:46:59	98.210	8.348	11.400	10.860	107.165%	82.460	81.600	8.363	-1.217
3	17:48:02	96.830	8.535	12.010	11.410	109.046%	82.300	80.940	8.219	-1.340
x		97.730	8.445	11.490	10.980	107.871%	82.160	81.230	8.273	-1.184
σ		0.778	0.094	0.482	0.381	1.024%	0.385	0.334	0.079	0.174
%RSD		0.796	1.109	4.191	3.470	0.950	0.468	0.411	0.953	14.700
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:45:55	8.312	7.986	8.061	106.637%	18.200	18.110	199.800	196.500	106.824%
2	17:46:59	8.122	8.299	8.120	107.323%	18.050	18.060	198.400	195.000	106.124%
3	17:48:02	8.195	8.272	8.027	107.987%	18.040	18.070	197.800	195.900	105.793%
x		8.210	8.186	8.069	107.316%	18.100	18.080	198.600	195.800	106.247%
σ		0.096	0.173	0.047	0.675%	0.091	0.027	1.019	0.748	0.526%
%RSD		1.166	2.116	0.584	0.629	0.501	0.152	0.513	0.382	0.495
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:45:55	8.672	8.655	8.404	8.324	8.342	99.595%	0.000	7.937	7.695
2	17:46:59	8.694	8.618	8.419	8.175	8.407	99.277%	0.000	8.076	7.731
3	17:48:02	8.720	8.581	8.583	8.313	8.431	97.803%	0.000	8.154	7.762
x		8.696	8.618	8.469	8.271	8.393	98.892%	0.000	8.056	7.729
σ		0.024	0.037	0.100	0.083	0.046	0.956%	0.000	0.110	0.033
%RSD		0.276	0.425	1.176	1.004	0.547	0.967	0.000	1.368	0.431

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:53:32	107.384%	0.000	0.131	6.045	T 6490.000	T 3345.000	3307.000	3313.000	12.610
2	17:54:36	107.503%	0.000	0.148	5.618	T 6612.000	T 3393.000	3369.000	3365.000	12.320
3	17:55:39	108.363%	0.000	0.133	4.830	T 6615.000	T 3417.000	3392.000	3431.000	12.240
x		107.750%	0.000	0.137	5.498	T 6573.000	T 3385.000	3356.000	3370.000	12.390
σ		0.534%	0.000	0.009	0.616	T 71.270	T 36.600	44.240	59.480	0.194
%RSD		0.496	0.000	6.591	11.210	T 1.084	T 1.081	1.318	1.765	1.564

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:53:32	T 0.000	0.000	TM 40970.000	5841.000	115.204%	0.000	1.212	2.757	13.470
2	17:54:36	T 0.000	0.000	TM 41460.000	5805.000	117.428%	0.000	0.680	2.692	11.280
3	17:55:39	T 0.000	0.000	TM 41270.000	5781.000	119.519%	0.000	0.803	2.791	9.267
x		T 0.000	0.000	TM 41230.000	5809.000	117.384%	0.000	0.898	2.747	11.340
σ		T 0.000	0.000	TM 249.900	30.060	2.158%	0.000	0.278	0.050	2.103
%RSD		T 0.000	0.000	TM 0.606	0.517	1.838	0.000	30.960	1.832	18.550

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:53:32	91.750	2.388	39.880	1.333	0.760	1.553	1.744	M 133.100	M 111.100
2	17:54:36	92.980	2.375	39.430	1.310	0.756	1.276	1.517	M 131.200	M 109.800
3	17:55:39	90.670	2.407	37.930	1.306	0.700	1.579	1.690	M 130.900	M 110.400
x		91.800	2.390	39.080	1.316	0.738	1.469	1.650	M 131.700	M 110.400
σ		1.159	0.016	1.017	0.014	0.033	0.168	0.118	M 1.183	M 0.618
%RSD		1.262	0.682	2.602	1.099	4.518	11.400	7.180	M 0.898	M 0.560

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:53:32	M 119.000	0.271	2.638	2.205	112.543%	2.094	2.790	0.119	-1.769
2	17:54:36	M 118.800	0.389	2.786	2.341	114.865%	2.083	2.733	0.122	-1.828
3	17:55:39	M 117.100	0.178	3.053	2.342	116.100%	2.062	2.728	0.121	-1.426
x		M 118.300	0.279	2.826	2.296	114.503%	2.080	2.751	0.121	-1.674
σ		M 1.063	0.106	0.210	0.079	1.806%	0.016	0.035	0.001	0.217
%RSD		M 0.899	37.860	7.446	3.429	1.577	0.772	1.256	1.099	12.960

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:53:32	0.124	0.089	0.097	110.755%	0.894	0.851	10.170	12.180	108.368%
2	17:54:36	0.123	0.081	0.082	111.783%	0.870	0.832	10.160	12.100	108.868%
3	17:55:39	0.119	0.057	0.073	113.400%	0.863	0.823	10.140	12.130	109.362%
x		0.122	0.076	0.084	111.979%	0.875	0.836	10.160	12.140	108.866%
σ		0.002	0.017	0.012	1.333%	0.017	0.014	0.018	0.042	0.497%
%RSD		2.028	22.190	14.590	1.191	1.894	1.684	0.174	0.344	0.457

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:53:32	0.224	0.256	0.239	0.327	0.271	101.298%	0.000	0.714	0.470
2	17:54:36	0.222	0.229	0.239	0.327	0.269	100.078%	0.000	0.691	0.469
3	17:55:39	0.208	0.240	0.236	0.326	0.270	99.419%	0.000	0.680	0.469
x		0.218	0.242	0.238	0.327	0.270	100.265%	0.000	0.695	0.469
σ		0.009	0.014	0.001	0.001	0.001	0.953%	0.000	0.017	0.001
%RSD		4.145	5.605	0.601	0.238	0.456	0.951	0.000	2.482	0.200

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:09	114.541%	0.000	0.141	4.105	66.280	47.940	9.153	-3.436	2.767
2	18:02:12	114.576%	0.000	0.128	4.113	63.880	47.500	8.045	-3.783	2.726
3	18:03:15	115.034%	0.000	0.123	3.646	53.300	47.520	8.463	-3.456	2.766
x		114.717%	0.000	0.131	3.954	61.150	47.660	8.554	-3.559	2.753
σ		0.275%	0.000	0.009	0.268	6.906	0.249	0.559	0.195	0.024
%RSD		0.240	0.000	7.155	6.766	11.290	0.523	6.540	5.476	0.858

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:09	0.000	0.000	T 185.000	117.500	123.478%	0.000	0.756	0.660	12.340
2	18:02:12	0.000	0.000	T 173.600	118.300	122.873%	0.000	0.557	0.648	10.610
3	18:03:15	0.000	0.000	T 159.400	117.000	122.382%	0.000	0.597	0.663	9.244
x		0.000	0.000	T 172.700	117.600	122.911%	0.000	0.637	0.657	10.730
σ		0.000	0.000	T 12.840	0.654	0.549%	0.000	0.105	0.008	1.550
%RSD		0.000	0.000	T 7.434	0.557	0.447	0.000	16.520	1.180	14.440

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:09	88.030	0.735	37.910	1.268	0.135	0.426	-0.221	0.530	0.677
2	18:02:12	88.640	0.721	38.980	1.268	0.180	0.966	-0.224	0.538	0.667
3	18:03:15	87.400	0.713	39.350	1.275	0.104	0.417	-0.224	0.509	0.680
x		88.030	0.723	38.750	1.270	0.140	0.603	-0.223	0.525	0.675
σ		0.620	0.011	0.751	0.004	0.038	0.314	0.002	0.015	0.007
%RSD		0.704	1.488	1.938	0.292	27.310	52.130	0.685	2.836	0.986

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:09	0.399	0.201	1.385	0.381	117.887%	1.908	2.608	0.115	-1.668
2	18:02:12	0.423	0.164	1.046	0.456	117.886%	1.939	2.596	0.119	-1.741
3	18:03:15	0.415	0.216	1.131	0.363	118.033%	1.911	2.597	0.117	-1.990
x		0.413	0.194	1.187	0.400	117.935%	1.919	2.600	0.117	-1.800
σ		0.012	0.027	0.177	0.050	0.085%	0.017	0.007	0.002	0.169
%RSD		2.988	13.790	14.870	12.390	0.072	0.904	0.262	1.651	9.365

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:09	0.119	0.068	0.051	116.192%	0.832	0.790	9.350	11.370	109.286%
2	18:02:12	0.120	0.078	0.082	117.206%	0.829	0.787	9.348	11.350	110.335%
3	18:03:15	0.118	0.094	0.088	115.905%	0.825	0.788	9.375	11.360	110.990%
x		0.119	0.080	0.074	116.434%	0.828	0.788	9.358	11.360	110.204%
σ		0.000	0.013	0.020	0.683%	0.003	0.001	0.015	0.008	0.860%
%RSD		0.412	16.470	27.510	0.587	0.417	0.175	0.157	0.072	0.780

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:01:09	0.169	0.197	0.231	0.321	0.222	102.246%	0.000	0.664	0.464
2	18:02:12	0.167	0.198	0.230	0.320	0.223	102.397%	0.000	0.662	0.465
3	18:03:15	0.168	0.190	0.230	0.320	0.221	103.457%	0.000	0.663	0.465
x		0.168	0.195	0.230	0.320	0.222	102.700%	0.000	0.663	0.465
σ		0.001	0.005	0.001	0.000	0.001	0.660%	0.000	0.001	0.000
%RSD		0.521	2.379	0.221	0.117	0.535	0.643	0.000	0.163	0.062

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:43	115.208%	0.000	0.130	3.604	41.280	45.350	6.031	-5.935	3.107
2	18:09:47	115.645%	0.000	0.112	3.457	33.970	45.250	5.713	-6.460	3.108
3	18:10:50	115.417%	0.000	0.125	3.163	33.060	45.270	5.696	-6.419	3.200
x		115.423%	0.000	0.122	3.408	36.100	45.290	5.813	-6.271	3.138
σ		0.219%	0.000	0.009	0.225	4.507	0.053	0.189	0.292	0.053
%RSD		0.189	0.000	7.587	6.596	12.480	0.118	3.250	4.655	1.700

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:43	0.000	0.000	T 93.490	113.800	118.319%	0.000	0.551	0.727	13.250
2	18:09:47	0.000	0.000	T 83.470	115.900	119.462%	0.000	0.444	0.729	10.990
3	18:10:50	0.000	0.000	77.600	114.400	118.091%	0.000	0.568	0.689	9.533
x		0.000	0.000	T 84.860	114.700	118.624%	0.000	0.521	0.715	11.260
σ		0.000	0.000	T 8.032	1.053	0.734%	0.000	0.067	0.023	1.870
%RSD		0.000	0.000	T 9.466	0.918	0.619	0.000	12.860	3.186	16.610

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:43	51.890	0.533	-0.866	1.268	0.244	0.430	-0.140	0.520	0.868
2	18:09:47	52.430	0.530	-0.925	1.264	0.208	0.733	-0.148	0.484	0.692
3	18:10:50	52.740	0.523	-0.240	1.266	0.185	0.063	-0.155	0.475	0.664
x		52.350	0.528	-0.677	1.266	0.212	0.409	-0.147	0.493	0.741
σ		0.430	0.005	0.380	0.002	0.030	0.336	0.007	0.024	0.110
%RSD		0.822	0.982	56.080	0.150	14.000	82.120	5.072	4.864	14.860

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:43	0.315	0.048	0.584	0.105	114.528%	1.917	2.591	0.116	-1.585
2	18:09:47	0.358	0.136	0.584	0.229	114.501%	1.916	2.590	0.114	-1.694
3	18:10:50	0.428	0.240	0.803	0.328	114.273%	1.906	2.579	0.116	-1.928
x		0.367	0.141	0.657	0.221	114.434%	1.913	2.587	0.115	-1.736
σ		0.057	0.096	0.126	0.112	0.140%	0.006	0.007	0.001	0.175
%RSD		15.520	68.100	19.230	50.700	0.123	0.306	0.267	0.888	10.080

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:43	0.117	0.060	0.065	112.722%	0.826	0.782	9.320	11.340	110.774%
2	18:09:47	0.117	0.067	0.079	112.365%	0.823	0.778	9.307	11.330	109.415%
3	18:10:50	0.118	0.089	0.045	112.407%	0.818	0.780	9.340	11.340	109.558%
x		0.117	0.072	0.063	112.498%	0.823	0.780	9.323	11.340	109.916%
σ		0.001	0.015	0.017	0.195%	0.004	0.002	0.017	0.004	0.747%
%RSD		0.776	21.330	26.990	0.173	0.448	0.263	0.178	0.035	0.680

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:43	0.182	0.199	0.229	0.320	0.223	103.836%	0.000	0.660	0.464
2	18:09:47	0.174	0.201	0.230	0.320	0.222	104.318%	0.000	0.660	0.464
3	18:10:50	0.177	0.197	0.231	0.320	0.222	103.478%	0.000	0.659	0.464
x		0.178	0.199	0.230	0.320	0.223	103.877%	0.000	0.660	0.464
σ		0.004	0.002	0.001	0.000	0.001	0.422%	0.000	0.001	0.000
%RSD		2.139	0.989	0.546	0.016	0.313	0.406	0.000	0.141	0.051

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:16:19	108.103%	0.000	0.114	3.764	T 10200.000	T 4634.000	4661.000	4659.000	150.900
2	18:17:22	109.119%	0.000	0.130	4.041	T 10400.000	T 4718.000	4739.000	4766.000	151.600
3	18:18:26	109.827%	0.000	0.123	4.049	T 10610.000	T 4818.000	4860.000	4874.000	151.800
x		109.016%	0.000	0.123	3.951	T 10400.000	T 4723.000	4753.000	4766.000	151.400
σ		0.867%	0.000	0.008	0.162	T 206.800	T 92.560	99.960	107.300	0.441
%RSD		0.795	0.000	6.519	4.103	T 1.988	T 1.960	2.103	2.250	0.291

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:16:19	T 0.000	0.000	TM 34420.000	TM 100900.000	108.695%	0.000	0.992	10.860	12.520
2	18:17:22	T 0.000	0.000	TM 35040.000	TM 99890.000	111.427%	0.000	1.073	10.870	9.470
3	18:18:26	T 0.000	0.000	TM 35560.000	TM 99510.000	114.783%	0.000	0.932	10.650	8.224
x		T 0.000	0.000	TM 35010.000	TM 100100.000	111.635%	0.000	0.999	10.790	10.070
σ		T 0.000	0.000	TM 572.500	TM 718.600	3.049%	0.000	0.071	0.128	2.210
%RSD		T 0.000	0.000	TM 1.636	TM 0.718	2.731	0.000	7.106	1.185	21.950
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:16:19	452.400	27.290	T 437.100	1.587	1.565	5.277	9.153	M 314.500	M 259.800
2	18:17:22	454.300	27.190	432.900	1.584	1.795	5.468	9.318	M 316.500	M 261.400
3	18:18:26	444.700	27.040	T 434.800	1.561	1.605	5.759	9.055	M 312.500	M 258.600
x		450.500	27.170	T 434.900	1.577	1.655	5.501	9.176	M 314.500	M 259.900
σ		5.072	0.127	T 2.089	0.014	0.123	0.243	0.133	M 1.972	M 1.379
%RSD		1.126	0.465	T 0.480	0.886	7.425	4.415	1.447	M 0.627	M 0.531
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:16:19	M 283.200	0.834	3.603	3.727	110.073%	2.327	3.030	0.255	-1.572
2	18:17:22	M 281.600	0.710	3.846	3.868	113.256%	2.359	3.002	0.261	-1.678
3	18:18:26	M 281.000	0.834	4.468	4.541	115.025%	2.338	3.034	0.265	-2.144
x		M 282.000	0.793	3.972	4.045	112.784%	2.341	3.022	0.260	-1.798
σ		M 1.147	0.071	0.446	0.435	2.509%	0.016	0.017	0.005	0.304
%RSD		M 0.407	9.000	11.220	10.750	2.225	0.692	0.574	1.801	16.920
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:16:19	0.278	0.948	0.935	104.818%	0.853	0.806	31.620	32.950	105.397%
2	18:17:22	0.263	0.938	0.971	108.177%	0.840	0.800	31.920	32.870	106.334%
3	18:18:26	0.265	1.008	0.925	109.840%	0.836	0.795	30.650	32.440	106.688%
x		0.269	0.965	0.944	107.611%	0.843	0.800	31.390	32.750	106.140%
σ		0.008	0.038	0.024	2.558%	0.009	0.006	0.664	0.270	0.668%
%RSD		3.071	3.936	2.557	2.378	1.036	0.739	2.115	0.825	0.629
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:16:19	0.274	0.301	0.249	0.339	2.846	99.407%	0.000	0.701	0.469
2	18:17:22	0.281	0.296	0.245	0.337	2.884	99.030%	0.000	0.700	0.471
3	18:18:26	0.259	0.299	0.246	0.337	2.870	100.880%	0.000	0.699	0.470
x		0.272	0.299	0.247	0.338	2.867	99.772%	0.000	0.700	0.470
σ		0.011	0.003	0.002	0.001	0.019	0.977%	0.000	0.001	0.001
%RSD		4.081	0.861	0.853	0.262	0.676	0.980	0.000	0.176	0.225

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:23:54	110.234%	0.000	0.125	85.340	T 2964.000	T 4999.000	5057.000	5046.000	131.500
2	18:24:57	108.650%	0.000	0.121	87.180	T 2972.000	T 5019.000	5085.000	5095.000	131.500
3	18:26:01	108.127%	0.000	0.126	87.280	T 2981.000	T 5035.000	5116.000	5107.000	132.200
x		109.004%	0.000	0.124	86.600	T 2973.000	T 5017.000	5086.000	5083.000	131.700
σ		1.097%	0.000	0.003	1.092	T 8.616	T 18.280	29.630	31.990	0.431
%RSD		1.007	0.000	2.103	1.260	T 0.290	T 0.364	0.583	0.629	0.327
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:23:54	0.000	0.000	TM 25450.000	TM 34820.000	114.053%	0.000	0.983	3.297	10.390
2	18:24:57	0.000	0.000	TM 25660.000	TM 34810.000	112.833%	0.000	0.866	3.299	9.740
3	18:26:01	0.000	0.000	TM 25530.000	TM 34550.000	112.886%	0.000	0.892	3.271	8.925
x		0.000	0.000	TM 25540.000	TM 34720.000	113.257%	0.000	0.913	3.289	9.686
σ		0.000	0.000	TM 106.300	TM 154.900	0.689%	0.000	0.061	0.016	0.735
%RSD		0.000	0.000	TM 0.416	TM 0.446	0.609	0.000	6.718	0.475	7.586
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:23:54	395.100	M 223.600	388.000	1.470	0.808	2.391	7.981	61.410	53.370
2	18:24:57	396.900	M 224.000	T 390.700	1.482	0.775	3.003	8.262	60.840	52.740
3	18:26:01	394.100	M 221.800	385.000	1.473	0.869	2.532	7.886	60.350	52.540
x		395.400	M 223.100	T 387.900	1.475	0.817	2.642	8.043	60.870	52.880
σ		1.411	M 1.205	T 2.866	0.006	0.048	0.320	0.195	0.530	0.434
%RSD		0.357	M 0.540	T 0.739	0.418	5.820	12.120	2.428	0.870	0.820
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:23:54	55.630	0.383	1.964	1.543	113.651%	4.296	4.989	0.152	-2.193
2	18:24:57	55.610	0.548	2.738	2.423	113.235%	4.347	4.981	0.157	-2.033
3	18:26:01	55.280	0.620	3.260	2.697	112.035%	4.334	4.959	0.152	-1.391
x		55.510	0.517	2.654	2.221	112.973%	4.326	4.976	0.154	-1.872
σ		0.198	0.121	0.652	0.603	0.839%	0.027	0.016	0.003	0.424
%RSD		0.356	23.430	24.580	27.140	0.743	0.622	0.313	2.036	22.660
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:23:54	0.158	0.616	0.606	110.441%	0.895	0.854	108.400	107.100	107.789%
2	18:24:57	0.159	0.651	0.594	109.203%	0.889	0.854	109.100	106.200	106.130%
3	18:26:01	0.153	0.601	0.602	107.189%	0.885	0.852	112.100	110.000	106.821%
x		0.157	0.622	0.601	108.945%	0.889	0.853	109.900	107.800	106.913%
σ		0.003	0.026	0.006	1.641%	0.005	0.001	1.952	1.965	0.833%
%RSD		2.096	4.114	1.008	1.507	0.552	0.163	1.776	1.824	0.779
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:23:54	0.251	0.291	0.238	0.330	2.732	100.757%	0.000	0.691	0.472
2	18:24:57	0.260	0.276	0.243	0.329	2.751	99.856%	0.000	0.688	0.472
3	18:26:01	0.241	0.275	0.241	0.327	2.704	100.590%	0.000	0.690	0.472
x		0.251	0.280	0.241	0.329	2.729	100.401%	0.000	0.689	0.472
σ		0.009	0.009	0.002	0.001	0.023	0.479%	0.000	0.001	0.000
%RSD		3.689	3.296	0.938	0.373	0.857	0.478	0.000	0.193	0.008

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:31:29	98.630%	0.000	0.237	80.650	T 2891.000	T 8751.000	T 8668.000	T 8647.000	TM 2075.000
2	18:32:32	97.498%	0.000	0.247	81.410	T 2922.000	T 8919.000	T 8814.000	T 8778.000	TM 2102.000
3	18:33:36	96.581%	0.000	0.272	83.650	T 2957.000	T 9053.000	T 8934.000	T 8897.000	TM 2081.000
x		97.569%	0.000	0.252	81.900	T 2923.000	T 8908.000	T 8805.000	T 8774.000	TM 2086.000
σ		1.027%	0.000	0.018	1.562	T 33.260	T 151.500	T 133.400	T 125.300	TM 14.490
%RSD		1.052	0.000	7.191	1.907	T 1.138	T 1.701	T 1.515	T 1.429	TM 0.695
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:31:29	0.000	0.000	TM 61590.000	TM 42160.000	100.584%	0.000	4.257	9.415	18.770
2	18:32:32	0.000	0.000	TM 62670.000	TM 42740.000	99.465%	0.000	4.172	9.399	18.460
3	18:33:36	0.000	0.000	TM 63230.000	TM 42200.000	100.422%	0.000	4.126	9.305	18.350
x		0.000	0.000	TM 62500.000	TM 42370.000	100.157%	0.000	4.185	9.373	18.530
σ		0.000	0.000	TM 834.100	TM 322.600	0.605%	0.000	0.066	0.059	0.216
%RSD		0.000	0.000	TM 1.335	TM 0.762	0.604	0.000	1.583	0.632	1.164
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:31:29	4006.000	M 260.300	T 4068.000	3.001	5.493	7.959	27.520	M 137.000	M 118.500
2	18:32:32	4062.000	M 264.700	T 4141.000	3.011	5.678	8.475	27.500	M 140.400	M 116.900
3	18:33:36	4036.000	M 262.800	T 4104.000	2.996	5.470	7.261	27.440	M 140.200	M 118.700
x		4035.000	M 262.600	T 4104.000	3.002	5.547	7.898	27.490	M 139.200	M 118.000
σ		27.960	M 2.196	T 36.340	0.007	0.114	0.610	0.041	M 1.925	M 0.999
%RSD		0.693	M 0.836	T 0.885	0.249	2.056	7.718	0.147	M 1.383	M 0.846
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:31:29	M 126.000	1.028	1.158	2.370	122.754%	8.226	8.840	0.493	-1.420
2	18:32:32	M 127.500	1.166	2.134	3.038	121.668%	8.251	8.730	0.469	-2.107
3	18:33:36	M 126.100	1.060	2.430	3.270	121.430%	8.312	8.943	0.470	-1.862
x		M 126.500	1.085	1.907	2.893	121.951%	8.263	8.838	0.477	-1.796
σ		M 0.828	0.072	0.665	0.467	0.706%	0.044	0.107	0.013	0.348
%RSD		M 0.654	6.633	34.890	16.150	0.579	0.536	1.207	2.805	19.400
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:31:29	0.474	3.046	3.028	99.915%	1.019	0.985	109.800	108.600	100.439%
2	18:32:32	0.476	3.166	3.089	98.490%	1.025	0.983	110.300	108.600	99.684%
3	18:33:36	0.471	3.135	3.117	98.926%	1.020	0.985	111.400	109.200	100.357%
x		0.473	3.116	3.078	99.111%	1.021	0.984	110.500	108.800	100.160%
σ		0.002	0.063	0.045	0.730%	0.003	0.001	0.777	0.330	0.414%
%RSD		0.499	2.007	1.469	0.736	0.272	0.145	0.703	0.303	0.413
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:31:29	0.370	0.370	0.326	0.404	17.220	96.003%	0.000	1.172	0.528
2	18:32:32	0.344	0.381	0.320	0.407	17.640	94.526%	0.000	1.192	0.526
3	18:33:36	0.368	0.381	0.319	0.407	17.500	95.091%	0.000	1.187	0.527
x		0.361	0.378	0.322	0.406	17.460	95.207%	0.000	1.184	0.527
σ		0.015	0.006	0.004	0.002	0.215	0.745%	0.000	0.010	0.001
%RSD		4.059	1.706	1.215	0.485	1.231	0.782	0.000	0.873	0.197

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:05	96.822%	0.000	0.250	14.850	T 8231.000	T 4528.000	4549.000	4591.000	T 1981.000
2	18:40:08	97.430%	0.000	0.226	14.970	T 8270.000	T 4557.000	4587.000	4609.000	T 1985.000
3	18:41:12	97.636%	0.000	0.218	15.650	T 8343.000	T 4573.000	4612.000	4670.000	T 1973.000
x		97.296%	0.000	0.231	15.160	T 8281.000	T 4553.000	4583.000	4623.000	T 1980.000
σ		0.423%	0.000	0.017	0.430	T 57.280	T 22.700	31.270	41.780	T 5.987
%RSD		0.435	0.000	7.372	2.839	T 0.692	T 0.499	0.682	0.904	T 0.302
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:05	0.000	0.000	T 9005.000	T 24700.000	100.580%	0.000	4.070	69.880	9.811
2	18:40:08	0.000	0.000	T 9105.000	T 24700.000	102.004%	0.000	3.507	69.650	8.069
3	18:41:12	0.000	0.000	T 9151.000	T 24560.000	103.189%	0.000	3.441	69.490	6.446
x		0.000	0.000	T 9087.000	T 24650.000	101.924%	0.000	3.673	69.680	8.109
σ		0.000	0.000	T 74.750	T 83.930	1.306%	0.000	0.346	0.196	1.683
%RSD		0.000	0.000	T 0.823	T 0.341	1.282	0.000	9.424	0.281	20.760
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:05	3358.000	64.610	T 3434.000	3.779	31.830	33.110	99.950	M 890.500	M 719.000
2	18:40:08	3374.000	64.980	T 3436.000	3.833	31.370	33.590	M 100.100	M 884.800	M 715.300
3	18:41:12	3366.000	64.660	T 3427.000	3.731	32.010	33.330	99.160	M 890.500	M 716.000
x		3366.000	64.750	T 3432.000	3.781	31.740	33.340	M 99.720	M 888.600	M 716.800
σ		8.367	0.201	T 5.123	0.051	0.334	0.241	M 0.490	M 3.346	M 1.953
%RSD		0.249	0.310	T 0.149	1.348	1.051	0.722	M 0.491	M 0.377	M 0.273
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:05	M 792.900	0.289	-4.787	0.254	336.345%	5.879	6.461	4.144	-5.213
2	18:40:08	M 787.100	0.310	-4.598	0.376	342.617%	5.850	6.434	4.063	-4.653
3	18:41:12	M 792.000	0.252	-4.474	0.514	344.585%	5.936	6.462	4.101	-6.587
x		M 790.600	0.283	-4.620	0.381	341.182%	5.888	6.452	4.103	-5.484
σ		M 3.116	0.030	0.157	0.130	4.303%	0.044	0.016	0.041	0.995
%RSD		M 0.394	10.460	3.405	34.190	1.261	0.746	0.248	0.991	18.140
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:05	4.044	49.900	M 50.530	100.042%	4.788	4.792	80.560	79.880	101.545%
2	18:40:08	4.088	M 50.170	M 50.390	102.101%	4.750	4.762	79.430	78.860	102.088%
3	18:41:12	4.149	M 50.960	M 50.790	101.290%	4.838	4.785	81.020	79.520	102.101%
x		4.094	M 50.340	M 50.570	101.144%	4.792	4.780	80.340	79.420	101.912%
σ		0.052	M 0.551	M 0.203	1.037%	0.044	0.015	0.817	0.516	0.317%
%RSD		1.280	M 1.095	M 0.402	1.026	0.920	0.324	1.017	0.650	0.311
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:39:05	0.323	0.335	0.331	0.420	M 192.700	97.521%	0.000	0.854	0.645
2	18:40:08	0.325	0.337	0.333	0.414	M 193.500	98.096%	0.000	0.857	0.645
3	18:41:12	0.322	0.342	0.335	0.413	M 194.400	97.905%	0.000	0.858	0.643
x		0.323	0.338	0.333	0.416	M 193.500	97.841%	0.000	0.856	0.644
σ		0.001	0.003	0.002	0.004	M 0.870	0.293%	0.000	0.002	0.001
%RSD		0.454	0.992	0.580	0.959	M 0.449	0.300	0.000	0.226	0.134

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:41	99.634%	0.000	0.212	982.500	T 5413.000	T 3741.000	3752.000	3739.000	T 1012.000
2	18:47:45	100.409%	0.000	0.216	991.300	T 5366.000	T 3740.000	3727.000	3756.000	T 1029.000
3	18:48:48	100.180%	0.000	0.229	990.700	T 5446.000	T 3787.000	3765.000	3803.000	T 1014.000
x		100.074%	0.000	0.219	988.200	T 5408.000	T 3756.000	3748.000	3766.000	T 1018.000
σ		0.398%	0.000	0.009	4.939	T 39.960	T 26.440	19.400	33.270	T 9.506
%RSD		0.398	0.000	4.062	0.500	T 0.739	T 0.704	0.518	0.883	T 0.934
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:41	0.000	0.000	T 14220.000	TM 87600.000	105.903%	0.000	4.141	8.702	4.734
2	18:47:45	0.000	0.000	T 14260.000	TM 88290.000	105.504%	0.000	4.327	8.825	3.397
3	18:48:48	0.000	0.000	T 14430.000	TM 87600.000	107.702%	0.000	4.238	8.880	2.637
x		0.000	0.000	T 14300.000	TM 87830.000	106.370%	0.000	4.235	8.802	3.589
σ		0.000	0.000	T 109.900	TM 397.800	1.171%	0.000	0.093	0.091	1.062
%RSD		0.000	0.000	T 0.768	TM 0.453	1.101	0.000	2.192	1.038	29.580
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:41	2627.000	M 392.000	T 2702.000	2.994	11.650	14.570	18.160	M 107.700	92.640
2	18:47:45	2630.000	TM 397.000	T 2718.000	3.035	11.820	14.870	17.690	M 108.300	93.800
3	18:48:48	2604.000	TM 392.500	T 2696.000	2.966	11.500	14.800	17.940	M 108.500	94.870
x		2620.000	TM 393.800	T 2705.000	2.998	11.650	14.750	17.930	M 108.200	93.770
σ		13.790	TM 2.784	T 11.200	0.035	0.159	0.158	0.235	M 0.416	1.116
%RSD		0.526	TM 0.707	T 0.414	1.159	1.362	1.070	1.313	M 0.385	1.190
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:41	99.970	1.520	-1.295	0.873	158.505%	3.259	3.888	0.528	-2.597
2	18:47:45	99.240	1.546	-1.409	0.769	160.081%	3.196	3.871	0.510	-3.044
3	18:48:48	98.270	1.514	-1.424	0.748	161.020%	3.222	3.841	0.519	-2.612
x		99.160	1.527	-1.376	0.797	159.869%	3.225	3.867	0.519	-2.751
σ		0.854	0.017	0.071	0.067	1.271%	0.032	0.024	0.009	0.254
%RSD		0.861	1.086	5.133	8.424	0.795	0.978	0.618	1.750	9.213
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:41	0.539	3.619	3.644	102.496%	1.498	1.463	153.900	151.400	103.919%
2	18:47:45	0.519	3.742	3.656	103.839%	1.489	1.451	152.800	151.500	104.430%
3	18:48:48	0.515	3.654	3.580	103.920%	1.493	1.468	154.800	152.400	104.955%
x		0.524	3.672	3.627	103.418%	1.493	1.461	153.800	151.800	104.435%
σ		0.013	0.063	0.041	0.800%	0.005	0.009	1.036	0.566	0.518%
%RSD		2.519	1.716	1.127	0.774	0.304	0.598	0.673	0.373	0.496
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:46:41	0.294	0.329	0.272	0.364	M 53.500	99.922%	0.000	0.876	0.648
2	18:47:45	0.301	0.326	0.272	0.361	M 53.420	100.487%	0.000	0.869	0.651
3	18:48:48	0.297	0.311	0.272	0.361	M 53.190	101.655%	0.000	0.897	0.653
x		0.298	0.322	0.272	0.362	M 53.370	100.688%	0.000	0.881	0.651
σ		0.004	0.010	0.000	0.002	M 0.165	0.884%	0.000	0.014	0.003
%RSD		1.214	3.019	0.058	0.452	M 0.308	0.878	0.000	1.633	0.397

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:17	101.176%	0.000	10.530	217.900	T 5485.000	T 5430.000	5483.000	5476.000	404.000
2	18:55:21	102.257%	0.000	10.730	222.500	T 5505.000	T 5489.000	5540.000	5573.000	405.500
3	18:56:24	102.554%	0.000	10.620	222.100	T 5545.000	T 5523.000	5589.000	5578.000	408.000
x		101.996%	0.000	106.283%	110.403%	T 110.234%	T 5481.000	110.741%	110.844%	101.451%
σ		0.725%	0.000	n/a	n/a	T n/a	T 47.290	n/a	n/a	n/a
%RSD		0.711	0.000	0.937	1.158	T 0.559	T 0.863	0.957	1.038	0.496
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:17	0.000	0.000	T 5636.000	4946.000	103.801%	0.000	19.060	19.140	6.956
2	18:55:21	0.000	0.000	T 5663.000	4961.000	105.397%	0.000	19.090	19.250	5.920
3	18:56:24	0.000	0.000	T 5696.000	4982.000	105.900%	0.000	19.260	19.330	5.253
x		0.000	0.000	T 113.296%	99.253%	105.033%	0.000	95.672%	96.201%	6.043
σ		0.000	0.000	T n/a	n/a	1.096%	0.000	n/a	n/a	0.858
%RSD		0.000	0.000	T 0.530	0.366	1.043	0.000	0.573	0.512	14.200
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:17	959.700	19.540	T 1011.000	46.480	19.350	20.790	19.180	19.990	20.030
2	18:55:21	964.000	19.470	T 1020.000	46.990	19.430	19.490	19.170	19.660	19.900
3	18:56:24	971.300	19.690	T 1032.000	47.960	19.860	20.790	19.150	19.670	20.180
x		965.000	97.826%	T 102.114%	94.285%	97.733%	101.787%	95.849%	98.870%	100.170%
σ		5.874	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.609	0.572	T 1.053	1.592	1.417	3.678	0.070	0.949	0.698
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:17	19.550	9.771	11.340	10.220	102.373%	94.280	93.390	9.666	-1.124
2	18:55:21	19.810	9.835	11.020	10.220	104.376%	94.730	93.950	9.828	-1.933
3	18:56:24	19.680	9.921	11.040	10.160	103.970%	95.390	94.820	9.729	-1.388
x		98.400%	98.425%	111.361%	101.996%	103.573%	94.801%	94.050	97.410%	-1.482
σ		n/a	n/a	n/a	n/a	1.059%	n/a	0.721	n/a	0.412
%RSD		0.659	0.761	1.586	0.321	1.022	0.591	0.766	0.835	27.830
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:17	9.703	9.648	9.802	102.089%	15.940	15.890	230.100	226.000	100.020%
2	18:55:21	9.651	9.643	9.585	104.222%	18.180	18.120	230.300	226.700	101.684%
3	18:56:24	9.666	9.647	9.841	103.666%	19.310	19.450	234.600	228.500	103.109%
x		96.734%	96.461%	97.425%	103.326%	89.038%	89.099%	92.679%	90.822%	101.604%
σ		n/a	n/a	n/a	1.107%	n/a	n/a	n/a	n/a	1.546%
%RSD		0.278	0.027	1.412	1.071	9.634	10.100	1.102	0.557	1.522
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:54:17	9.451	9.358	9.698	9.404	9.752	97.633%	0.000	7.993	8.966
2	18:55:21	9.357	9.449	9.879	9.505	9.698	98.084%	0.000	8.691	9.171
3	18:56:24	9.522	9.444	9.771	9.437	9.646	99.502%	0.000	8.827	8.878
x		94.435%	94.172%	97.826%	94.486%	96.987%	98.406%	0.000	8.503	9.005
σ		n/a	n/a	n/a	n/a	n/a	0.975%	0.000	0.447	0.150
%RSD		0.880	0.542	0.927	0.547	0.546	0.991	0.000	5.262	1.671

CCB 10/30/2010 07:00:52 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:55	104.952%	0.000	0.142	8.872	15.390	59.300	20.720	7.266	7.287
2	19:02:58	105.198%	0.000	0.142	8.175	7.092	57.190	18.410	5.248	7.116
3	19:04:02	106.291%	0.000	0.158	7.217	-7.795	55.140	16.500	3.475	6.869
x		105.480%	0.000	0.147	8.088	4.897	57.210	18.540	5.330	7.091
σ		0.713%	0.000	0.009	0.831	11.750	2.081	2.113	1.896	0.210
%RSD		0.676	0.000	6.259	10.270	239.900	3.638	11.400	35.580	2.962
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:55	0.000	0.000	T 179.600	163.200	105.309%	0.000	0.436	0.357	7.763
2	19:02:58	0.000	0.000	158.800	151.600	106.065%	0.000	0.290	0.352	6.550
3	19:04:02	0.000	0.000	137.400	137.300	106.512%	0.000	0.469	0.333	5.591
x		0.000	0.000	T 158.600	150.700	105.962%	0.000	0.398	0.348	6.635
σ		0.000	0.000	T 21.090	12.940	0.608%	0.000	0.095	0.013	1.088
%RSD		0.000	0.000	T 13.300	8.588	0.574	0.000	23.960	3.791	16.410
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:01:55	29.640	0.572	13.250	1.327	0.182	0.610	-0.049	-0.083	0.020
2	19:02:58	28.380	0.484	12.980	1.327	0.165	0.519	-0.106	-0.124	0.044
3	19:04:02	28.650	0.451	12.300	1.317	0.195	1.030	-0.138	-0.220	-0.040
x		28.890	0.502	12.850	1.324	0.181	0.720	-0.098	-0.142	0.008
σ		0.665	0.063	0.490	0.006	0.015	0.272	0.045	0.070	0.043
%RSD		2.303	12.500	3.814	0.465	8.222	37.840	45.790	49.260	530.300
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:01:55	-0.113	0.217	0.796	0.387	103.644%	2.423	3.157	0.132	-1.767
2	19:02:58	-0.203	0.098	0.874	0.318	104.078%	2.332	3.053	0.131	-2.034
3	19:04:02	-0.266	0.201	0.870	0.344	105.796%	2.265	2.911	0.126	-1.587
x		-0.194	0.172	0.847	0.350	104.506%	2.340	3.040	0.129	-1.796
σ		0.077	0.065	0.044	0.035	1.138%	0.079	0.123	0.003	0.225
%RSD		39.600	37.720	5.202	9.929	1.089	3.394	4.054	2.625	12.520
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:01:55	0.136	0.104	0.127	103.471%	1.545	1.509	9.839	11.760	101.764%
2	19:02:58	0.132	0.125	0.129	103.960%	1.365	1.336	9.721	11.710	101.355%
3	19:04:02	0.130	0.068	0.100	104.790%	1.252	1.203	9.668	11.570	101.599%
x		0.132	0.099	0.119	104.073%	1.387	1.349	9.743	11.680	101.573%
σ		0.003	0.029	0.017	0.667%	0.148	0.154	0.088	0.096	0.206%
%RSD		2.140	29.200	13.930	0.641	10.660	11.400	0.901	0.818	0.202
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:01:55	0.211	0.225	0.247	0.334	0.291	99.284%	0.000	0.808	0.479
2	19:02:58	0.194	0.214	0.243	0.332	0.278	100.581%	0.000	0.775	0.475
3	19:04:02	0.177	0.194	0.240	0.329	0.258	99.544%	0.000	0.755	0.474
x		0.194	0.211	0.243	0.331	0.276	99.803%	0.000	0.779	0.476
σ		0.017	0.016	0.004	0.003	0.017	0.686%	0.000	0.027	0.003
%RSD		8.983	7.480	1.521	0.847	6.019	0.687	0.000	3.416	0.608

200-2079-A-3-C@10 10/30/2010 07:08:29 PM

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:32	113.467%	0.000	0.171	78.170	T 574.600	430.100	378.600	358.700	156.800
2	19:10:36	116.941%	0.000	0.144	76.990	T 554.800	421.300	367.400	356.600	158.000
3	19:11:39	119.175%	0.000	0.141	73.560	T 536.900	409.200	359.400	341.900	157.100
x		116.527%	0.000	0.152	76.240	T 555.400	420.200	368.500	352.400	157.300
σ		2.876%	0.000	0.017	2.394	T 18.840	10.490	9.644	9.119	0.598
%RSD		2.468	0.000	10.910	3.141	T 3.391	2.495	2.617	2.588	0.380
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:32	0.000	0.000	T 1088.000	4006.000	88.905%	0.000	11.830	3.403	253.200
2	19:10:36	0.000	0.000	T 1003.000	3989.000	88.851%	0.000	12.500	3.440	253.700
3	19:11:39	0.000	0.000	T 942.600	3988.000	89.202%	0.000	12.600	3.420	251.600
x		0.000	0.000	T 1011.000	3994.000	88.986%	0.000	12.310	3.421	252.800
σ		0.000	0.000	T 72.880	9.891	0.189%	0.000	0.416	0.018	1.088
%RSD		0.000	0.000	T 7.207	0.248	0.212	0.000	3.378	0.541	0.430
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:32	452.800	71.510	T 426.400	1.414	1.250	1.827	1.980	5.348	8.056
2	19:10:36	440.800	71.260	424.100	1.437	1.597	1.813	2.487	5.106	7.941
3	19:11:39	444.700	71.790	428.200	1.429	1.815	1.812	2.591	5.153	7.624
x		446.100	71.520	T 426.200	1.427	1.554	1.817	2.353	5.203	7.873
σ		6.116	0.266	T 2.043	0.012	0.285	0.008	0.327	0.128	0.223
%RSD		1.371	0.372	T 0.479	0.821	18.360	0.449	13.890	2.467	2.836
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:32	4.635	1.870	1.626	2.305	83.439%	2.147	2.795	0.118	-1.351
2	19:10:36	4.924	2.304	1.657	2.287	83.956%	2.118	2.772	0.123	-1.555
3	19:11:39	4.802	0.987	1.632	2.285	82.540%	2.071	2.758	0.123	-1.497
x		4.787	1.721	1.639	2.292	83.312%	2.112	2.775	0.121	-1.468
σ		0.145	0.671	0.017	0.011	0.717%	0.038	0.019	0.003	0.105
%RSD		3.031	39.020	1.011	0.474	0.860	1.816	0.682	2.399	7.161
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:32	0.121	0.054	0.111	83.361%	4.288	4.219	19.130	20.880	79.896%
2	19:10:36	0.127	0.084	0.118	81.806%	3.820	3.810	19.420	21.330	79.768%
3	19:11:39	0.125	0.084	0.106	80.649%	3.629	3.600	19.870	21.380	78.742%
x		0.124	0.074	0.112	81.939%	3.912	3.877	19.470	21.200	79.469%
σ		0.003	0.018	0.006	1.361%	0.339	0.315	0.377	0.277	0.633%
%RSD		2.539	23.740	5.164	1.661	8.674	8.120	1.934	1.306	0.796
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:32	0.168	0.181	0.236	0.327	1.528	72.442%	0.000	0.827	0.536
2	19:10:36	0.155	0.179	0.237	0.328	1.573	69.093%	0.000	0.757	0.532
3	19:11:39	0.154	0.174	0.236	0.327	1.587	68.707%	0.000	0.724	0.530
x		0.159	0.178	0.236	0.327	1.563	70.080%	0.000	0.769	0.533
σ		0.008	0.004	0.000	0.001	0.031	2.054%	0.000	0.053	0.003
%RSD		4.980	2.100	0.090	0.225	1.983	2.931	0.000	6.872	0.523

200-2081-A-4-C@10 10/30/2010 07:16:05 PM

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:08	126.893%	0.000	0.142	4.999	T 724.200	357.200	310.000	299.600	199.500
2	19:18:11	128.850%	0.000	0.145	5.162	T 695.000	353.100	301.700	293.400	195.900
3	19:19:15	130.050%	0.000	0.125	4.539	T 670.500	345.500	297.800	287.700	193.000
x		128.598%	0.000	0.138	4.900	T 696.600	351.900	303.200	293.500	196.100
σ		1.593%	0.000	0.011	0.324	T 26.880	5.938	6.241	5.957	3.237
%RSD		1.239	0.000	7.941	6.602	T 3.858	1.687	2.058	2.029	1.650
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:08	0.000	0.000	T 595.000	2480.000	86.667%	0.000	10.040	9.674	227.300
2	19:18:11	0.000	0.000	T 556.200	2487.000	86.089%	0.000	9.413	9.727	236.500
3	19:19:15	0.000	0.000	T 534.300	2454.000	86.505%	0.000	10.390	9.774	234.100
x		0.000	0.000	T 561.800	2474.000	86.420%	0.000	9.949	9.725	232.600
σ		0.000	0.000	T 30.740	17.340	0.298%	0.000	0.496	0.050	4.791
%RSD		0.000	0.000	T 5.471	0.701	0.345	0.000	4.985	0.511	2.060
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:17:08	367.400	6.991	329.100	1.517	4.952	4.798	12.600	87.630	77.510
2	19:18:11	372.600	7.009	336.800	1.528	5.305	4.404	12.390	86.930	76.750
3	19:19:15	367.900	6.935	331.900	1.513	5.416	5.354	12.840	85.980	75.240
x		369.300	6.978	332.600	1.519	5.224	4.852	12.610	86.850	76.500
σ		2.873	0.038	3.928	0.008	0.242	0.477	0.224	0.830	1.156
%RSD		0.778	0.550	1.181	0.506	4.633	9.839	1.774	0.956	1.511
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:17:08	78.520	0.625	-0.542	1.729	100.948%	3.080	3.649	0.500	-1.694
2	19:18:11	79.620	1.610	-0.515	1.981	101.145%	2.977	3.648	0.521	-2.269
3	19:19:15	77.630	1.523	-0.322	2.271	100.539%	2.943	3.658	0.508	-2.168
x		78.590	1.253	-0.460	1.994	100.877%	3.000	3.652	0.510	-2.044
σ		0.998	0.545	0.120	0.271	0.309%	0.071	0.005	0.010	0.307
%RSD		1.270	43.550	26.090	13.590	0.306	2.367	0.148	2.011	15.030
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:17:08	0.524	5.289	5.233	82.193%	3.568	3.570	16.320	18.000	77.969%
2	19:18:11	0.515	5.249	5.261	82.001%	3.704	3.668	16.030	17.640	77.469%
3	19:19:15	0.562	5.326	5.431	79.738%	3.769	3.718	16.250	17.970	78.352%
x		0.534	5.288	5.309	81.311%	3.681	3.652	16.200	17.870	77.930%
σ		0.025	0.038	0.107	1.365%	0.102	0.075	0.152	0.200	0.443%
%RSD		4.728	0.726	2.014	1.679	2.784	2.066	0.938	1.117	0.568
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:17:08	0.148	0.174	0.242	0.329	18.040	70.482%	0.000	0.688	0.482
2	19:18:11	0.144	0.166	0.240	0.328	17.870	70.719%	0.000	0.683	0.481
3	19:19:15	0.140	0.167	0.239	0.330	17.970	70.375%	0.000	0.681	0.483
x		0.144	0.169	0.240	0.329	17.960	70.525%	0.000	0.684	0.482
σ		0.004	0.004	0.001	0.001	0.084	0.176%	0.000	0.003	0.001
%RSD		2.937	2.593	0.467	0.256	0.465	0.249	0.000	0.483	0.194

CCV 10/30/2010 07:23:40 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:43	121.712%	0.000	8.684	164.900	T 3914.000	T 3943.000	3963.000	3950.000	395.900
2	19:25:47	120.986%	0.000	8.757	167.600	T 3920.000	T 3973.000	3995.000	4008.000	396.100
3	19:26:50	120.039%	0.000	8.628	169.200	T 3943.000	T 4009.000	4032.000	4016.000	394.200
x		120.912%	0.000	86.895%	83.610%	T 78.514%	T 3975.000	79.936%	79.825%	98.853%
σ		0.839%	0.000	n/a	n/a	T n/a	T 33.430	n/a	n/a	n/a
%RSD		0.694	0.000	0.743	1.300	T 0.399	T 0.841	0.871	0.898	0.261

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:43	0.000	0.000	T 3760.000	4822.000	91.781%	0.000	19.790	19.370	32.670
2	19:25:47	0.000	0.000	T 3821.000	4822.000	91.819%	0.000	19.490	19.360	27.600
3	19:26:50	0.000	0.000	T 3844.000	4843.000	92.294%	0.000	19.800	19.560	22.690
x		0.000	0.000	T 76.164%	96.576%	91.965%	0.000	98.479%	97.154%	27.650
σ		0.000	0.000	T n/a	n/a	0.286%	0.000	n/a	n/a	4.988
%RSD		0.000	0.000	T 1.144	0.249	0.311	0.000	0.889	0.581	18.040

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:43	954.200	19.160	T 1014.000	47.450	20.230	20.900	20.310	19.680	20.090
2	19:25:47	972.500	19.350	T 1023.000	47.740	20.580	21.020	20.480	19.370	19.680
3	19:26:50	962.900	19.310	T 1028.000	47.740	20.440	19.610	20.270	19.700	19.950
x		963.200	96.376%	T 102.154%	95.281%	102.086%	102.549%	101.761%	97.904%	99.521%
σ		9.159	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.951	0.508	T 0.675	0.353	0.849	3.809	0.542	0.952	1.051

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:43	19.670	9.513	8.914	9.854	93.311%	94.980	93.240	9.881	-0.852
2	19:25:47	19.950	9.721	9.062	10.040	93.391%	96.020	95.660	9.781	-1.784
3	19:26:50	19.500	9.867	9.508	10.050	92.225%	96.730	96.130	9.769	-1.228
x		98.541%	97.004%	91.612%	99.830%	92.975%	95.910%	95.010	98.106%	-1.288
σ		n/a	n/a	n/a	n/a	0.652%	n/a	1.552	n/a	0.469
%RSD		1.141	1.836	3.375	1.116	0.701	0.919	1.634	0.627	36.380

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:43	9.765	9.912	9.900	92.508%	15.960	16.020	230.500	229.200	96.030%
2	19:25:47	9.737	10.230	9.745	93.684%	18.220	18.180	231.000	228.700	95.987%
3	19:26:50	9.718	9.862	9.947	93.533%	19.130	19.230	232.500	229.400	95.361%
x		97.399%	100.010%	98.638%	93.242%	88.855%	89.048%	92.536%	91.633%	95.793%
σ		n/a	n/a	n/a	0.640%	n/a	n/a	n/a	n/a	0.374%
%RSD		0.241	1.990	1.068	0.686	9.203	9.190	0.458	0.162	0.391

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:24:43	9.368	9.412	9.495	9.345	9.553	94.768%	0.000	8.006	9.111
2	19:25:47	9.625	9.472	9.395	9.333	9.503	96.493%	0.000	8.602	8.997
3	19:26:50	9.726	9.623	9.530	9.359	9.595	96.211%	0.000	8.944	9.071
x		95.732%	95.025%	94.735%	93.459%	95.504%	95.824%	0.000	8.517	9.060
σ		n/a	n/a	n/a	n/a	n/a	0.925%	0.000	0.475	0.058
%RSD		1.931	1.143	0.742	0.137	0.483	0.966	0.000	5.577	0.635

CCB 10/30/2010 07:31:17 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:20	120.265%	0.000	0.131	4.321	-92.820	52.970	14.360	1.486	7.887
2	19:33:24	120.468%	0.000	0.138	4.221	-103.500	52.340	13.460	1.063	7.857
3	19:34:27	120.020%	0.000	0.119	3.844	-109.700	51.520	12.470	-0.412	7.728
x		120.251%	0.000	0.129	4.129	-102.000	52.280	13.430	0.712	7.824
σ		0.224%	0.000	0.010	0.251	8.528	0.727	0.948	0.997	0.085
%RSD		0.187	0.000	7.425	6.087	8.361	1.391	7.059	139.900	1.085

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:20	0.000	0.000	-161.700	131.600	91.185%	0.000	0.615	0.451	16.300
2	19:33:24	0.000	0.000	-171.500	126.800	92.532%	0.000	0.484	0.394	13.570
3	19:34:27	0.000	0.000	-174.900	123.200	92.679%	0.000	0.381	0.367	11.850
x		0.000	0.000	-169.400	127.200	92.132%	0.000	0.493	0.404	13.910
σ		0.000	0.000	6.875	4.228	0.823%	0.000	0.117	0.043	2.247
%RSD		0.000	0.000	4.059	3.325	0.894	0.000	23.810	10.540	16.150
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:32:20	29.190	0.427	10.490	1.337	0.615	1.172	0.766	-0.224	0.110
2	19:33:24	29.200	0.395	9.190	1.315	0.570	0.833	0.727	-0.240	-0.067
3	19:34:27	27.430	0.396	9.507	1.317	0.531	1.303	0.685	-0.294	0.006
x		28.600	0.406	9.730	1.323	0.572	1.102	0.726	-0.253	0.016
σ		1.016	0.018	0.678	0.012	0.042	0.242	0.041	0.037	0.089
%RSD		3.553	4.514	6.972	0.931	7.394	21.980	5.596	14.470	551.600
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:32:20	-0.205	-0.018	-0.667	0.127	93.995%	2.407	3.104	0.134	-1.769
2	19:33:24	-0.215	0.336	-0.536	0.094	94.160%	2.373	3.017	0.127	-1.912
3	19:34:27	-0.312	0.187	-0.572	0.147	93.375%	2.264	2.942	0.126	-1.770
x		-0.244	0.168	-0.592	0.123	93.843%	2.348	3.021	0.129	-1.817
σ		0.059	0.177	0.068	0.026	0.414%	0.075	0.081	0.004	0.082
%RSD		24.280	105.600	11.420	21.540	0.441	3.186	2.684	3.463	4.523
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:32:20	0.128	0.087	0.117	94.996%	1.529	1.487	9.696	11.660	94.675%
2	19:33:24	0.132	0.117	0.120	93.626%	1.360	1.335	9.624	11.630	95.291%
3	19:34:27	0.129	0.095	0.112	94.693%	1.251	1.199	9.594	11.590	95.059%
x		0.130	0.099	0.116	94.438%	1.380	1.341	9.638	11.630	95.008%
σ		0.002	0.016	0.004	0.720%	0.140	0.144	0.053	0.039	0.311%
%RSD		1.577	15.720	3.197	0.762	10.150	10.740	0.545	0.334	0.327
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:32:20	0.224	0.245	0.248	0.334	0.252	95.973%	0.000	0.816	0.477
2	19:33:24	0.203	0.213	0.242	0.330	0.250	97.129%	0.000	0.780	0.475
3	19:34:27	0.175	0.202	0.240	0.327	0.246	97.470%	0.000	0.765	0.474
x		0.200	0.220	0.243	0.330	0.249	96.858%	0.000	0.787	0.475
σ		0.024	0.022	0.004	0.003	0.003	0.785%	0.000	0.026	0.002
%RSD		12.200	10.120	1.766	1.038	1.275	0.810	0.000	3.288	0.386

Mass Uncorrected ICPS

STD0 10/30/2010 01:18:52 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	13:19:55	659706.600	39184.266	23.000	2222.272	1901303.700	13910.635	1712.161	1916.202	14094.918
2	13:20:59	663685.100	39770.805	30.000	2112.245	1933110.200	18071.945	2332.299	2776.424	18254.309
3	13:22:02	660028.770	39782.857	22.000	2270.283	1929008.400	15697.541	2148.254	2444.329	15964.004
x		661140.160	39579.309	25.000	2201.600	1921140.700	15893.374	2064.238	2378.985	16104.410
σ		2209.868	342.171	4.359	81.022	17301.383	2087.556	318.491	433.818	2083.247
%RSD		0.334	0.865	17.436	3.680	0.901	13.135	15.429	18.235	12.936
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
1	13:19:55	4192.967	1147405.300	2091517.300	3208.566	472921.150	78.000	6594.391	1620.144	2268.283
2	13:20:59	4445.087	1134513.900	2086818.700	3600.713	476147.170	96.001	5565.703	1584.138	1904.199
3	13:22:02	4194.968	1109343.000	2064375.200	3432.648	478780.200	86.000	4679.204	1604.142	1554.133
x		4277.674	1130420.700	2080903.700	3413.976	475949.510	86.667	5613.099	1602.808	1908.872
σ		144.987	19358.444	14505.665	196.739	2934.523	9.019	958.473	18.040	357.098
%RSD		3.389	1.712	0.697	5.763	0.617	10.406	17.076	1.126	18.707
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
1	13:19:55	10776.383	902.045	249174.670	102.001	348.007	410.009	984.053	460.012	66.000
2	13:20:59	11014.669	898.044	261507.920	136.001	292.005	378.008	954.050	406.009	62.000
3	13:22:02	11048.710	810.036	259501.640	106.001	278.004	364.007	956.050	402.009	70.000
x		10946.587	870.042	256728.080	114.667	306.005	384.008	964.718	422.677	66.000
σ		148.380	52.005	6617.910	18.583	37.042	23.581	16.775	32.395	4.000
%RSD		1.355	5.977	2.578	16.206	12.105	6.141	1.739	7.664	6.061
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
1	13:19:55	376.008	571.218	1439.114	156.401	527801.360	1456.117	2538.354	30.000	4.000
2	13:20:59	284.004	461.212	1439.514	165.802	536636.760	1384.105	2156.256	24.000	12.000
3	13:22:02	296.005	394.009	1468.919	173.602	531690.450	1060.062	1820.182	22.000	6.000
x		318.672	475.479	1449.182	165.268	532042.860	1300.095	2171.597	25.333	7.333
σ		50.015	89.462	17.093	8.613	4428.231	210.970	359.332	4.163	4.163
%RSD		15.695	18.815	1.180	5.211	0.832	16.227	16.547	16.434	56.773
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
1	13:19:55	22.000	6.000	38.000	715221.980	2012.823	1586.338	138.001	194.002	678208.440
2	13:20:59	20.000	12.000	44.000	726860.970	1650.950	1277.290	126.001	248.003	685067.170
3	13:22:02	22.000	8.000	36.000	727695.970	1398.508	1088.865	118.001	228.003	698540.810
x		21.333	8.667	39.333	723259.640	1687.427	1317.498	127.334	223.336	687272.140
σ		1.155	3.055	4.163	6973.327	308.778	251.162	10.067	27.301	10343.968
%RSD		5.413	35.251	10.585	0.964	18.299	19.064	7.906	12.224	1.505
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
1	13:19:55	1154.073	1312.095	66.000	188.002	270.004	1310687.400	0.000	1414.110	90.000
2	13:20:59	1066.063	1254.086	74.000	210.002	262.004	1331439.500	2.000	1272.089	108.001
3	13:22:02	1006.056	1152.073	62.000	166.002	268.004	1315842.500	0.000	1104.067	104.001
x		1075.397	1239.418	67.334	188.002	266.671	1319323.100	0.667	1263.422	100.667
σ		74.449	81.013	6.110	22.000	4.163	10805.042	1.155	155.203	9.452
%RSD		6.923	6.536	9.074	11.702	1.561	0.819	173.205	12.284	9.389

STD1 10/30/2010 01:26:27 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27
1	13:27:31	666010.260	40015.876	778.033	15787.697	T 4953118.700	T 1963192.300	258104.710	307183.670	184085.1
2	13:28:34	669058.330	39883.296	778.033	16633.203	T 4985362.300	T 1998995.900	262833.330	310534.680	185344.3
3	13:29:38	669772.120	40273.008	769.033	16504.969	T 4986078.900	T 2011265.700	263360.260	313489.550	187589.6
x		668280.230	40057.393	775.033	16308.623	T 4974853.300	T 1991151.300	261432.770	310402.630	185673.0
σ		1997.991	198.146	5.197	455.669	T 18826.144	T 24978.327	2894.200	3155.011	1775.2
%RSD		0.299	0.495	0.670	2.794	T 0.378	T 1.254	1.107	1.016	0.9
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl**
1	13:27:31	3640.729	1128894.600	T 4715451.000	99210.411	459443.730	72.000	29596.098	16274.554	6334.2
2	13:28:34	3476.665	1086845.300	T 4740387.600	100544.950	461584.170	76.000	26426.354	16346.684	5101.4
3	13:29:38	3708.756	1090599.500	T 4714602.600	99926.187	466354.620	78.000	24238.269	16308.615	4583.1
x		3608.717	1102113.100	T 4723480.400	99893.850	462460.840	75.334	26753.574	16309.951	5339.5
σ		119.311	23269.268	T 14648.188	667.858	3537.873	3.055	2693.861	36.083	899.4

%RSD		3.306	2.111	T 0.310	0.669	0.765	4.055	10.069	0.221	16.8
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67**
1	13:27:31	66228.365	23534.423	1235971.400	41142.890	3690.749	916.046	5495.661	5409.609	888.0
2	13:28:34	66282.760	24280.381	1258594.900	41347.817	3630.725	884.043	5481.652	5479.651	910.0
3	13:29:38	66860.971	23767.027	1265841.100	42095.235	3752.774	862.041	5435.624	5339.568	962.0
x		66457.365	23860.611	1253469.200	41528.648	3691.416	887.377	5470.979	5409.609	920.0
σ		350.589	381.683	15580.589	501.263	61.028	27.157	31.409	70.042	38.0
%RSD		0.528	1.600	1.243	1.207	1.653	3.060	0.574	1.295	4.1
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo**
1	13:27:31	4032.894	2846.446	1660.952	291.605	513753.950	28960.054	47266.558	9266.721	170.0
2	13:28:34	4100.925	2589.969	1676.955	281.204	523219.560	29788.725	48527.174	9400.858	200.0
3	13:29:38	4224.981	2496.743	1682.756	301.605	522694.620	29604.124	49526.542	9585.050	154.0
x		4119.600	2644.386	1673.554	291.471	519889.380	29450.968	48440.091	9417.543	174.6
σ		97.396	181.091	11.293	10.201	5319.914	435.048	1132.506	159.819	23.3
%RSD		2.364	6.848	0.675	3.500	1.023	1.477	2.338	1.697	13.3
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159**
1	13:27:31	9278.733	2314.295	5851.883	696410.300	14742.744	11486.853	44536.828	79788.612	676099.7
2	13:28:34	9244.698	2562.361	5979.966	706316.510	17084.037	13339.379	45372.947	80525.063	675359.6
3	13:29:38	9136.589	2510.347	6306.186	705858.940	18641.894	14502.158	45841.288	80894.320	681385.3
x		9220.007	2462.334	6046.012	702861.910	16822.892	13109.463	45250.354	80402.665	677614.8
σ		74.219	130.817	234.242	5591.946	1962.649	1520.744	660.814	562.924	3286.1
%RSD		0.805	5.313	3.874	0.796	11.667	11.600	1.460	0.700	0.4
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238**
1	13:27:31	13087.414	15421.068	13934.671	34039.609	23999.637	1314793.800	0.000	41470.373	53688.0
2	13:28:34	13431.916	15743.621	14096.921	33806.743	24715.552	1316017.300	0.000	44717.712	53686.0
3	13:29:38	13608.177	16114.269	14213.102	34001.467	24843.901	1308738.200	0.000	47051.447	54009.9
x		13375.836	15759.653	14081.565	33949.273	24519.697	1313183.100	0.000	44413.177	53794.6
σ		264.873	346.878	139.849	124.899	454.934	3897.691	0.000	2802.972	186.4
%RSD		1.980	2.201	0.993	0.368	1.855	0.297	0.000	6.311	0.3

STD2 10/30/2010 01:34:03 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	13:35:07	672481.590	39847.138	3858.819	74185.462	T 16751913.000	T 9847983.400	1343481.200	1593103.300	948
2	13:36:11	679013.320	39790.892	3931.850	75246.125	T 16848008.000	T 9979357.300	1363794.800	1624358.000	964
3	13:37:14	675673.740	40068.106	3921.846	76403.721	T 17025441.000	T 10130832.000	1375404.300	1645526.900	979
x		675722.880	39902.045	3904.172	75278.436	T 16875121.000	T 9986057.600	1360893.400	1620996.000	963
σ		3266.144	146.537	39.594	1109.482	T 138764.600	T 141543.340	16158.120	26373.014	15
%RSD		0.483	0.367	1.014	1.474	T 0.822	T 1.417	1.187	1.627	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	13:35:07	5759.824	1048206.500	T 15449872.000	490631.690	452252.240	198.002	92730.543	75046.485	13
2	13:36:11	5843.878	1094883.500	T 15571798.000	499368.670	460801.950	178.002	90869.895	77137.881	12
3	13:37:14	6029.999	1050524.600	T 15913214.000	501573.200	463283.420	194.002	90108.371	77857.981	11
x		5877.900	1064538.200	T 15644961.000	497191.190	458779.200	190.002	91236.270	76680.783	12
σ		138.264	26305.336	T 240179.100	5786.645	5787.082	10.583	1348.932	1460.422	
%RSD		2.352	2.471	T 1.535	1.164	1.261	5.570	1.479	1.905	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	13:35:07	297745.310	116258.660	T 5499643.500	207347.960	17641.100	2924.470	22700.306	23482.289	4
2	13:36:11	301427.730	117265.470	T 5560212.100	209934.310	17627.073	2844.445	22467.730	23578.538	4
3	13:37:14	308290.200	118507.420	T 5642963.800	214009.700	17981.766	2846.446	23624.657	23718.902	4
x		302487.750	117343.850	T 5567606.500	210430.660	17749.980	2871.787	22930.898	23593.243	4
σ		5351.764	1126.426	T 71945.699	3358.492	200.856	45.636	611.964	118.990	
%RSD		1.769	0.960	T 1.292	1.596	1.132	1.589	2.669	0.504	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	1
1	13:35:07	17963.731	10196.916	2866.452	813.036	506761.390	144706.610	241579.750	49480.291	
2	13:36:11	17899.604	9969.063	2933.273	820.037	514769.020	147334.310	248132.750	49333.496	
3	13:37:14	18903.634	9771.248	2947.678	826.238	516410.290	149165.820	247099.160	50387.252	
x		18255.656	9979.076	2915.801	819.770	512646.900	147068.910	245603.890	49733.680	
σ		562.080	213.010	43.340	6.605	5162.641	2241.420	3523.113	570.749	
%RSD		3.079	2.135	1.486	0.806	1.007	1.524	1.434	1.148	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	13:35:07	48145.151	12392.441	30067.641	684614.940	82402.575	64838.601	231551.810	413986.310	678
2	13:36:11	49152.520	12758.947	30769.986	700033.320	94447.887	74196.551	233703.840	420440.630	678
3	13:37:14	48871.009	12983.264	30954.611	698571.000	99970.065	78146.844	239226.740	425416.270	689
x		48722.893	12711.551	30597.413	694406.420	92273.509	72393.999	234827.460	419947.740	682
σ		519.761	298.250	467.990	8511.135	8983.324	6834.781	3958.919	5730.900	6
%RSD		1.067	2.346	1.530	1.226	9.736	9.441	1.686	1.365	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	13:35:07	65331.914	76518.681	72572.521	172268.890	124709.560	1306968.700	0.000	241321.020	279
2	13:36:11	67136.994	77617.941	72024.186	176405.090	125699.050	1321469.900	0.000	259291.780	281
3	13:37:14	67092.668	79427.471	71699.635	176356.150	126384.450	1314103.900	0.000	266326.830	284
x		66520.525	77854.698	72098.781	175010.040	125597.690	1314180.800	0.000	255646.540	281
σ		1029.606	1468.776	441.198	2374.032	842.035	7250.873	0.000	12895.290	2
%RSD		1.548	1.887	0.612	1.357	0.670	0.552	0.000	5.044	

STD3 10/30/2010 01:41:39 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	
1	13:42:43	665365.520	38983.405	19455.797	371725.630	T 75189518.000	T 49354663.000	T 6569520.000	T 77509
2	13:43:46	661970.620	39385.131	19577.057	M 376987.810	TM 76197272.000	TM 50195311.000	T 6619728.900	T 78205
3	13:44:49	658014.310	39087.852	M 19914.789	M 378740.450	TM 77142211.000	TM 50852006.000	TM 6731093.500	TM 79914
x		661783.480	39152.129	M 19649.214	M 375817.960	TM 76176334.000	TM 50133993.000	TM 6640114.100	TM 78543
σ		3679.177	208.434	M 237.852	M 3650.798	TM 976514.670	TM 750552.280	TM 82693.185	TM 1237
%RSD		0.556	0.532	M 1.210	M 0.971	TM 1.282	TM 1.497	TM 1.245	T

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	
1	13:42:43	3660.737	1113067.800	T 70018906.000	2542441.400	448958.880	144.001	M 421966.960	M 3810
2	13:43:46	3796.793	1116167.500	TM 71189440.000	T 2574303.600	454206.130	120.001	417177.330	3830
3	13:44:49	3950.858	1055885.600	TM 71778525.000	M 2626838.200	461012.210	110.001	M 425529.380	3895
x		3802.796	1095040.300	TM 70995624.000	TM 2581194.400	454725.740	124.668	M 421557.890	M 3845
σ		145.154	33944.348	TM 895677.590	TM 42618.261	6043.446	17.474	M 4191.028	M 44
%RSD		3.817	3.100	TM 1.262	TM 1.651	1.329	14.017	M 0.994	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	

1	13:42:43	M 1517884.800	594848.950	T 25956887.000	1089772.600	85990.778	13145.497	M 108697.980	1121
2	13:43:46	M 1541172.600	M 604268.760	TM 26407358.000	M 1113531.800	87182.044	13215.599	109795.040	M 1143
3	13:44:49	1556986.200	M 615735.100	TM 26849281.000	M 1135669.700	M 89542.824	M 13754.397	M 111691.940	1146
x		M 1538681.200	M 604950.940	TM 26404508.000	M 1112991.400	M 87571.882	M 13371.831	M 110061.650	M 1137
σ		M 19669.433	M 10459.774	TM 446203.770	M 22953.316	M 1807.827	M 333.161	M 1514.683	M 13
%RSD		M 1.278	M 1.729	TM 1.690	M 2.062	M 2.064	M 2.492	M 1.376	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	
1	13:42:43	86182.582	45464.201	9194.247	3497.473	504973.930	762871.590	1294389.100	2493
2	13:43:46	M 88191.713	45314.255	9325.981	M 3592.110	514519.470	779333.880	1320268.700	M 2534
3	13:44:49	88940.959	M 45800.684	M 9457.317	3518.481	510206.280	M 778700.940	M 1325422.000	2546
x		M 87771.751	M 45526.380	M 9325.848	M 3536.021	509899.900	M 773635.470	M 1313359.900	M 2524
σ		M 1426.337	M 249.104	M 131.535	M 49.697	4780.141	M 9327.163	M 16630.012	M 27
%RSD		M 1.625	M 0.547	M 1.410	M 1.405	0.937	M 1.206	M 1.266	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	
1	13:42:43	M 245200.790	63170.720	153730.930	685123.170	475179.670	370019.710	1268999.300	M 23311
2	13:43:46	M 246883.420	M 63702.411	M 155516.920	689336.480	M 521572.230	M 407047.060	M 1295745.500	M 23710
3	13:44:49	250372.930	64582.588	157034.680	702945.680	M 539780.540	M 419942.580	1296718.700	23632
x		M 247485.710	M 63818.573	M 155427.510	692468.440	M 512177.480	M 399003.120	M 1287154.500	M 23551
σ		M 2638.150	M 713.066	M 1653.690	9314.899	M 33309.368	M 25915.285	M 15730.379	M 211
%RSD		M 1.066	M 1.117	M 1.064	1.345	M 6.503	M 6.495	M 1.222	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	
1	13:42:43	343914.480	403794.930	378131.890	937194.300	667084.920	1303214.700	0.000	14833
2	13:43:46	M 355557.810	M 418500.090	M 382275.910	M 955303.690	M 674251.770	1315106.600	0.000	M 15126
3	13:44:49	M 353165.200	M 419676.510	M 382094.520	M 949701.860	M 668464.970	1308131.500	0.000	M 15267
x		M 350879.160	M 413990.510	M 380834.100	M 947399.950	M 669933.890	1308817.600	0.000	M 15075
σ		M 6149.086	M 8849.200	M 2341.947	M 9271.548	M 3802.525	5975.534	0.000	M 221
%RSD		M 1.752	M 2.138	M 0.615	M 0.979	M 0.568	0.457	0.000	

ICV 10/30/2010 01:49:16 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	13:50:19	672133.190	40076.141	10182.700	187832.620	T 38986936.000	T 25026444.000	T 3310413.200	T 3924590.100
2	13:51:22	668434.870	39381.114	9941.433	191577.560	T 39111426.000	T 25309239.000	T 3365499.300	T 3975414.000
3	13:52:26	666474.500	40080.159	10236.760	191696.020	T 39546994.000	T 25626389.000	T 3403596.300	T 4038334.900
x		669014.190	39845.804	10120.298	190368.730	T 39215119.000	T 25320691.000	T 3359836.300	T 3979446.300
σ		2873.480	402.439	157.242	2197.137	T 294075.460	T 300136.650	T 46848.984	T 56979.478
%RSD		0.430	1.010	1.554	1.154	T 0.750	T 1.185	T 1.394	T 1.432

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	13:50:19	3542.690	1093487.500	T 36462463.000	1266985.300	461567.350	80.000	217599.420	192175.990
2	13:51:22	3822.804	1133832.200	T 36931440.000	1287240.800	464204.670	84.000	218433.060	197230.530
3	13:52:26	3976.870	1167808.800	T 37392055.000	1297437.200	469283.730	78.000	215604.730	197806.850
x		3780.788	1131709.500	T 36928653.000	1283887.800	465018.580	80.667	217212.410	195737.790
σ		220.118	37206.090	T 464802.130	15500.395	3922.052	3.055	1453.340	3098.040
%RSD		5.822	3.288	T 1.259	1.207	0.843	3.787	0.669	1.583

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	13:50:19	756346.750	295088.770	T 13479287.000	555432.830	44104.729	6976.676	55436.513	57181.270
2	13:51:22	768121.200	296633.850	T 13615106.000	564256.090	44723.742	7056.738	56901.523	57473.101
3	13:52:26	773321.560	302452.950	T 13739098.000	566801.330	45282.498	7006.699	56303.818	57833.375
x		765929.840	298058.520	T 13611164.000	562163.410	44703.656	7013.371	56213.951	57495.915
σ		8696.986	3883.307	T 129950.510	5966.167	589.141	40.446	736.628	326.651
%RSD		1.135	1.303	T 0.955	1.061	1.318	0.577	1.310	0.568

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	13:50:19	48814.707	24342.146	5424.018	1885.396	515644.610	378325.700	634229.900	117066.930
2	13:51:22	49604.968	24027.310	5483.053	1901.199	523549.780	388040.600	653649.690	120221.710
3	13:52:26	50184.133	23840.018	5495.060	1924.604	523791.100	390296.140	658134.560	120164.960
x		49534.603	24069.825	5467.377	1903.733	520995.170	385554.150	648671.380	119151.200
σ		687.419	253.749	38.027	19.727	4635.286	6360.791	12706.136	1805.252
%RSD		1.388	1.054	0.696	1.036	0.890	1.650	1.959	1.515

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	13:50:19	115019.040	31919.940	76359.350	697975.790	242127.440	188773.410	1249471.600	2303459.700
2	13:51:22	116696.210	32636.478	76415.822	714085.650	262577.500	203665.710	1258706.900	2309016.200
3	13:52:26	118345.330	32130.681	77555.411	712133.050	269725.250	210530.060	1271471.700	2340260.500
x		116686.860	32229.033	76776.861	708064.830	258143.400	200989.730	1259883.400	2317578.800
σ		1663.162	368.254	674.835	8791.743	14323.260	11122.438	11047.146	19838.414
%RSD		1.425	1.143	0.879	1.242	5.549	5.534	0.877	0.856

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	13:50:19	167666.030	196533.680	176849.600	431738.090	326725.590	1331352.000	0.000	675028.340
2	13:51:22	169232.660	199360.240	177288.010	432631.070	329474.160	1332904.800	0.000	699714.090
3	13:52:26	172242.400	200907.750	181567.240	440143.090	331342.250	1349309.100	0.000	715371.050
x		169713.690	198933.890	178568.280	434837.420	329180.670	1337855.300	0.000	696704.490
σ		2325.798	2217.983	2606.406	4616.490	2322.284	9949.636	0.000	20339.047
%RSD		1.370	1.115	1.460	1.062	0.705	0.744	0.000	2.919

ICB 10/30/2010 01:56:52 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	13:57:56	689508.850	40642.648	33.000	6682.455	2163014.600	13019.316	1944.208	1948.209	12544.649
2	13:58:59	690064.740	39979.718	33.000	6258.153	2140282.100	13668.267	1760.170	2036.228	12967.242
3	14:00:02	687462.230	40562.290	23.000	5789.843	2125406.500	22772.487	3360.621	3464.660	14769.989
x		689011.940	40394.885	29.667	6243.484	2142901.100	16486.690	2355.000	2483.032	13427.293
σ		1370.568	361.783	5.774	446.487	18940.328	5453.321	875.741	851.253	1181.850
%RSD		0.199	0.896	19.461	7.151	0.884	33.077	37.186	34.283	8.802

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	13:57:56	3768.781	1166540.400	1885416.200	3300.599	468778.650	76.000	13812.485	1922.203	4633.180
2	13:58:59	3680.745	1144336.200	1855659.600	3464.660	472550.600	72.000	9645.114	1718.162	3194.561
3	14:00:02	4018.888	1129927.900	1852818.000	3716.760	474807.770	86.000	7419.026	1794.177	2622.378
x		3822.805	1146934.800	1864631.300	3494.006	472045.680	78.000	10292.208	1811.514	3483.373
σ		175.426	18444.041	18056.277	209.627	3046.112	7.211	3245.478	103.119	1036.046
%RSD		4.589	1.608	0.968	6.000	0.645	9.245	31.533	5.692	29.743

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	13:57:56	10996.647	658.024	262855.970	116.001	342.006	394.009	1192.078	298.005	54.000
2	13:58:59	11405.150	768.032	268200.730	116.001	322.006	418.010	1040.060	314.005	74.000
3	14:00:02	11463.223	924.047	276429.800	312.005	334.006	394.009	1048.060	322.006	46.000
x		11288.340	783.368	269162.170	181.336	332.673	402.009	1093.399	311.339	58.000
σ		254.277	133.673	6837.796	113.163	10.067	13.857	85.552	12.221	14.422
%RSD		2.253	17.064	2.540	62.405	3.026	3.447	7.824	3.925	24.866

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	13:57:56	204.002	1846.187	1323.896	158.001	527377.810	2186.263	3438.650	36.000	2.000
2	13:58:59	224.003	1304.894	1360.902	156.401	525607.580	1828.184	2710.404	26.000	0.000
3	14:00:02	232.003	1063.662	1347.500	173.402	527966.550	1538.130	2520.349	82.000	2.000
x		220.003	1404.914	1344.099	162.601	526983.980	1850.859	2889.801	48.000	1.333
σ		14.423	400.736	18.736	9.387	1227.810	324.661	484.723	29.867	1.155
%RSD		6.556	28.524	1.394	5.773	0.233	17.541	16.774	62.222	86.603

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	13:57:56	34.000	16.000	38.000	712724.840	8529.800	6656.036	100.001	198.002	680115.300
2	13:58:59	26.000	8.000	54.000	718497.780	6831.766	5315.153	168.002	262.004	691422.300
3	14:00:02	50.000	18.000	80.000	723076.290	5720.199	4480.504	428.010	730.029	688573.810
x		36.667	14.000	57.334	718099.640	7027.255	5483.898	232.004	396.678	686703.800
σ		12.220	5.292	21.198	5187.202	1414.965	1097.539	173.118	290.459	5880.881
%RSD		33.328	37.796	36.972	0.722	20.135	20.014	74.618	73.223	0.856

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	13:57:56	3972.868	4795.264	54.000	92.000	318.006	1349110.600	0.000	5615.734	298.005
2	13:58:59	3396.634	4094.922	58.000	120.001	320.006	1352854.600	0.000	4681.205	228.003
3	14:00:02	3296.598	3560.697	108.001	282.004	414.009	1344191.600	0.000	4367.049	466.012
x		3555.367	4150.295	73.334	164.669	350.674	1348718.900	0.000	4887.996	330.673
σ		365.010	619.143	30.089	102.576	54.860	4344.771	0.000	649.520	122.321
%RSD		10.266	14.918	41.030	62.292	15.644	0.322	0.000	13.288	36.992

ICSA 10/30/2010 02:04:30 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg
1	14:05:33	607044.870	36689.889	25.000	13580.136	TM 252777620.000	TM 169287670.000	TM 22630241.000
2	14:06:37	597711.880	35601.575	34.000	13722.349	TM 263665500.000	TM 176987160.000	TM 23698771.000
3	14:07:40	583908.730	35179.938	22.000	13676.280	TM 271690400.000	TM 182113770.000	TM 24302091.000
x		596221.820	35823.801	27.000	13659.588	TM 262711180.000	TM 176129530.000	TM 23543701.000
σ		11639.820	779.119	6.245	72.561	TM 9492438.800	TM 6455913.200	TM 846643.950
%RSD		1.952	2.175	23.130	0.531	TM 3.613	TM 3.665	TM 3.596

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V
1	14:05:33	T 10863196.000	1130018.200	TM 235528470.000	TM 8939055.600	404039.450	483814.510	61080.509
2	14:06:37	T 11314258.000	1183541.900	TM 244662950.000	TM 9308264.100	428611.220	496491.320	59012.919
3	14:07:40	T 11701253.000	1151687.500	TM 253322430.000	TM 9612479.700	435176.340	515699.600	60643.598
x		T 11292902.000	1155082.500	TM 244504620.000	TM 9286599.800	422609.000	498668.480	60245.675
σ		T 419436.210	26922.861	TM 8898034.200	TM 337234.370	16413.303	16053.656	1089.719
%RSD		T 3.714	2.331	TM 3.639	TM 3.631	3.884	3.219	1.809

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu
1	14:05:33	TM 25602176.000	1892.197	TM 435662440.000	518.015	1072.063	1234.084	2008.222
2	14:06:37	TM 26535734.000	2010.222	TM 452267750.000	614.021	1014.057	1336.098	1974.214
3	14:07:40	TM 27215796.000	2056.233	TM 467013160.000	602.020	1110.068	1480.121	1930.205
x		TM 26451235.000	1986.217	TM 451647780.000	578.018	1065.396	1350.101	1970.880
σ		TM 810121.720	84.611	TM 15684551.000	52.310	48.352	123.615	39.115
%RSD		TM 3.063	4.260	TM 3.473	9.050	4.538	9.156	1.985

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo
1	14:05:33	1986.217	5253.117	1392.907	137.201	464844.140	M 2760197.200	TM 4844244.800
2	14:06:37	2196.265	5253.117	1572.736	158.401	472845.350	M 2822795.500	TM 5004296.800
3	14:07:40	1940.207	5355.577	1713.361	149.801	488467.700	TM 3073031.200	TM 5113171.300
x		2040.896	5287.271	1559.668	148.468	475385.730	TM 2885341.300	TM 4987237.600
σ		136.506	59.155	160.627	10.663	12014.922	TM 165530.240	TM 135272.450
%RSD		6.689	1.119	10.299	7.182	2.527	TM 5.737	TM 2.712

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba
1	14:05:33	538.016	1070.063	1674.154	626911.510	4984.566	3824.604	436.010
2	14:06:37	552.017	996.055	1942.207	657082.390	4447.888	3486.869	468.012
3	14:07:40	606.020	1044.060	1852.189	657082.390	4118.533	3174.754	470.012
x		565.351	1036.726	1822.850	647025.430	4516.996	3495.409	458.012
σ		35.910	37.545	136.414	17419.164	437.133	325.009	19.080
%RSD		6.352	3.622	7.484	2.692	9.678	9.298	4.166

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg
1	14:05:33	2788.428	3330.610	78.000	244.003	2168.258	1158114.200	0.000
2	14:06:37	2794.429	3180.556	90.000	218.003	2236.275	1173450.700	2.000
3	14:07:40	2640.383	3060.515	100.001	264.004	2218.271	1161246.600	0.000
x		2741.080	3190.561	89.334	242.003	2207.601	1164270.500	0.667
σ		87.258	135.325	11.015	23.066	35.241	8103.100	1.155
%RSD		3.183	4.241	12.330	9.531	1.596	0.696	173.205

ICSAB 10/30/2010 02:12:08 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg
1	14:13:11	566790.690	34682.030	6054.015	66375.432	TM 286154520.000	TM 189930100.000	TM 25129061.000
2	14:14:15	558364.490	34364.829	6255.151	66746.131	TM 288857170.000	TM 193486860.000	TM 25586766.000
3	14:15:18	549381.210	33337.013	6171.094	66615.176	TM 291460820.000	TM 195763080.000	TM 25931942.000
x		558178.800	34127.957	6160.087	66578.913	TM 288824170.000	TM 193060010.000	TM 25549256.000
σ		8706.229	703.100	101.019	187.991	TM 2653303.800	TM 2939821.300	TM 402752.960
%RSD		1.560	2.060	1.640	0.282	TM 0.919	TM 1.523	TM 1.576

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V
1	14:13:11	T 12056838.000	1204983.600	TM 262861230.000	TM 10018350.000	452806.850	532334.550	196762.560
2	14:14:15	T 12417269.000	T 1318639.100	TM 267998520.000	TM 10174202.000	459225.080	537781.530	196909.690
3	14:15:18	T 12437668.000	T 1332352.300	TM 269524050.000	TM 10317667.000	466990.030	545387.160	196928.080
x		T 12303925.000	T 1285325.000	TM 266794600.000	TM 10170073.000	459673.990	538501.080	196866.780
σ		T 214226.640	T 69914.759	TM 3490755.300	TM 149701.190	7102.235	6555.984	90.725
%RSD		T 1.741	T 5.439	TM 1.308	TM 1.472	1.545	1.217	0.046

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu

1	14:13:11	TM 28266759.000	207503.450	TM 483803670.000	177591.860	69462.366	11723.554	87462.721
2	14:14:15	TM 28670902.000	211059.930	TM 489426910.000	177834.530	70840.943	12092.037	88440.108
3	14:15:18	TM 29053409.000	212459.980	TM 494648700.000	179472.250	70550.699	12286.297	88781.411
x		TM 28663690.000	210341.120	TM 489293090.000	178299.550	70284.669	12033.963	88228.080
σ		TM 393374.450	2555.253	TM 5423756.100	1022.813	726.772	285.831	684.436
%RSD		TM 1.372	1.215	TM 1.108	0.574	1.034	2.375	0.776
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**
1	14:13:11	70867.146	22570.784	4456.292	1299.893	502206.790	TM 3120620.800	TM 5157350.100
2	14:14:15	70955.834	22712.336	4670.800	1292.692	508667.550	M 2970048.700	TM 5265860.300
3	14:15:18	71308.578	22766.071	4806.270	1313.695	509018.390	TM 3202105.000	TM 5323461.400
x		71043.852	22683.064	4644.454	1302.093	506630.910	TM 3097591.500	TM 5248890.600
σ		233.508	100.880	176.470	10.673	3835.417	TM 117729.740	TM 84345.826
%RSD		0.329	0.445	3.800	0.820	0.757	TM 3.801	TM 1.607
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**
1	14:13:11	82678.261	24581.188	56984.037	663612.050	446810.620	348416.950	378984.300
2	14:14:15	82964.855	24521.026	58330.536	675127.300	453890.540	352227.870	390613.340
3	14:15:18	83344.302	24717.557	58904.218	684395.290	454820.110	353512.520	386342.520
x		82995.806	24606.590	58072.930	674378.210	451840.430	351385.780	385313.390
σ		334.097	100.698	985.669	10411.849	4380.662	2650.101	5882.427
%RSD		0.403	0.409	1.697	1.544	0.970	0.754	1.527
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**
1	14:13:11	116908.920	136294.080	110351.720	265355.020	196872.910	1164896.200	0.000
2	14:14:15	116410.590	136537.700	108414.620	262001.840	200167.690	1164543.000	0.000
3	14:15:18	117058.830	137026.980	110072.370	264628.290	197716.930	1142386.300	0.000
x		116792.780	136619.590	109612.900	263995.050	198252.510	1157275.200	0.000
σ		339.370	373.246	1047.099	1764.002	1711.444	12895.362	0.000
%RSD		0.291	0.273	0.955	0.668	0.863	1.114	0.000

CCV 10/30/2010 02:19:45 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	14:20:49	596256.840	35778.266	3967.866	80732.894	T 19744285.000	T 11638943.000	1537591.400	1873685.000
2	14:21:52	608420.410	36228.042	4155.950	82387.641	T 20198961.000	T 11895683.000	1609251.500	1917059.900
3	14:22:55	608552.850	37083.481	4177.960	84680.566	T 20507571.000	T 12164224.000	1640376.600	T 1887229.300
x		604410.030	36363.263	4100.592	82600.367	T 20150272.000	T 11899616.000	1595739.800	T 1892658.100
σ		7061.185	663.031	115.470	1982.414	T 383965.210	T 262662.520	52707.914	T 22191.224
%RSD		1.168	1.823	2.816	2.400	T 1.906	T 2.207	3.303	T 1.172

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	14:20:49	10754.357	T 1454125.100	T 18520009.000	572487.560	531631.130	406.009	116846.120	85861.566
2	14:21:52	17438.710	T 1499995.700	T 19016741.000	583780.900	537001.380	574.018	113139.680	87190.121
3	14:22:55	15266.808	T 1543938.600	T 19239019.000	598902.530	547717.170	606.020	111509.720	87908.994
x		14486.625	T 1499353.100	T 18925256.000	585057.000	538783.220	528.682	113831.840	86986.894
σ		3409.788	T 44910.162	T 368131.420	13253.642	8189.712	107.437	2734.703	1038.733
%RSD		23.537	T 2.995	T 1.945	2.265	1.520	20.322	2.402	1.194

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	14:20:49	350654.770	132092.750	T 6462523.300	236032.870	19755.442	3652.734	25130.687	26352.139
2	14:21:52	368194.190	134422.520	T 6805272.200	239409.460	19903.765	3754.775	25563.893	26524.639
3	14:22:55	369330.930	135841.380	T 6868645.400	243588.300	20354.762	3826.805	25754.429	26827.526
x		362726.630	134118.880	T 6712147.000	239676.870	20004.656	3744.771	25483.003	26568.101
σ		10469.974	1892.675	T 218490.280	3784.807	312.138	87.466	319.642	240.655
%RSD		2.886	1.411	T 3.255	1.579	1.560	2.336	1.254	0.906

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	14:20:49	20559.221	12186.563	3444.252	935.048	583751.070	166299.260	279458.310	54738.301
2	14:21:52	20922.048	12136.496	3633.926	941.849	590498.620	171123.560	282673.460	54863.049
3	14:22:55	21236.776	11930.223	3618.920	945.449	594571.660	174180.810	286962.750	55223.220
x		20906.015	12084.427	3565.700	940.782	589607.120	170534.540	283031.500	54941.524
σ		339.062	135.871	105.444	5.282	5465.104	3973.650	3765.008	251.804
%RSD		1.622	1.124	2.957	0.561	0.927	2.330	1.330	0.458

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	14:20:49	52199.434	13435.921	33057.997	778631.340	90670.317	71038.878	254396.350	455941.860
2	14:21:52	53657.888	13712.334	33427.344	784566.500	103031.560	80255.697	256280.160	454433.060
3	14:22:55	53517.062	14417.423	33969.347	798274.220	109357.410	85715.598	262526.660	468037.910
x		53124.795	13855.226	33484.896	787157.350	101019.760	79003.391	257734.390	459470.940
σ		804.473	506.113	458.393	10074.475	9504.599	7418.068	4255.770	7457.465
%RSD		1.514	3.653	1.369	1.280	9.409	9.390	1.651	1.623

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	14:20:49	69440.198	81180.857	74711.745	178691.090	126670.390	1372216.100	0.000	241735.820
2	14:21:52	68642.171	81223.233	74580.675	177530.680	127262.580	1353150.100	0.000	259448.150
3	14:22:55	70659.539	82944.672	75758.353	181379.550	131289.230	1387620.800	0.000	266590.390
x		69580.636	81782.921	75016.925	179200.440	128407.400	1370995.700	0.000	255924.790
σ		1015.990	1006.329	645.432	1974.341	2513.242	17267.694	0.000	12796.404
%RSD		1.460	1.230	0.860	1.102	1.957	1.260	0.000	5.000

CCB 10/30/2010 02:27:21 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	14:28:24	618807.560	37384.711	37.000	4607.167	2614240.000	82199.953	10738.338	13225.613	76782.895
2	14:29:27	625225.110	37416.843	25.000	4196.969	T 2730163.100	93579.172	12336.365	15004.372	88209.888
3	14:30:31	626205.240	38019.335	35.000	4068.910	2590843.700	74979.940	9969.463	11855.726	73655.176
x		623412.630	37606.963	32.333	4291.015	T 2645082.300	83586.355	11014.722	13361.904	79549.320
σ		4018.113	357.486	6.429	281.183	T 74605.017	9376.804	1207.413	1578.742	7661.575
%RSD		0.645	0.951	19.884	6.553	T 2.821	11.218	10.962	11.815	9.631

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	14:28:24	7911.441	T 1420123.400	T 2473250.300	6866.592	534212.020	288.005	21449.274	2234.275	7150.811
2	14:29:27	8932.386	T 1437025.300	T 2463009.000	6850.580	541657.800	308.005	17390.618	2364.307	5861.889
3	14:30:31	7835.375	T 1463034.600	2407448.600	6674.449	541891.110	292.005	15164.638	2230.273	4739.235
x		8226.401	T 1440061.100	T 2447902.600	6797.207	539253.650	296.005	18001.510	2276.285	5917.312
σ		612.583	T 21616.083	T 35406.465	106.613	4367.730	10.583	3186.543	76.256	1206.743
%RSD		7.447	T 1.501	T 1.446	1.568	0.810	3.575	17.702	3.350	20.393

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	14:28:24	20555.212	1096.066	477366.700	352.007	420.010	536.016	1036.059	360.007	80.000
2	14:29:27	22168.998	1070.063	511626.880	406.009	352.007	520.015	1048.060	392.008	78.000
3	14:30:31	20473.027	1012.056	480783.900	248.003	446.011	506.014	942.049	388.008	84.000
x		21065.746	1059.395	489925.830	335.340	406.009	520.682	1008.723	380.008	80.667
σ		956.328	43.009	18871.172	80.311	48.541	15.012	58.052	17.436	3.055
%RSD		4.540	4.060	3.852	23.949	11.956	2.883	5.755	4.588	3.787
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
1	14:28:24	252.003	1917.402	1688.557	179.602	583789.420	3562.698	5589.718	90.000	12.000
2	14:29:27	264.004	1566.535	1721.763	185.802	587036.860	3258.584	5519.675	78.000	6.000
3	14:30:31	222.003	1307.294	1715.762	182.202	589957.100	2878.456	4585.156	88.000	2.000
x		246.003	1597.077	1708.694	182.535	586927.790	3233.246	5231.516	85.334	6.667
σ		21.634	306.199	17.695	3.113	3085.286	342.824	560.859	6.429	5.033
%RSD		8.794	19.172	1.036	1.706	0.526	10.603	10.721	7.534	75.498
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
1	14:28:24	74.000	22.000	76.000	777004.600	4867.703	3746.172	426.010	826.038	725070.090
2	14:29:27	82.000	32.000	78.000	789926.140	3913.442	3089.525	530.015	912.046	740749.650
3	14:30:31	68.000	20.000	72.000	795092.720	3271.389	2565.562	416.010	672.025	737687.020
x		74.667	24.667	75.334	787341.150	4017.511	3133.753	457.345	803.369	734502.250
σ		7.024	6.429	3.055	9317.005	803.230	591.546	63.133	121.605	8310.790
%RSD		9.407	26.064	4.055	1.183	19.993	18.877	13.804	15.137	1.131
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
1	14:28:24	1710.161	2098.242	168.002	430.010	424.010	1379797.300	0.000	3984.873	386.008
2	14:29:27	1808.180	2142.252	178.002	442.011	472.012	1389126.900	0.000	3416.642	436.010
3	14:30:31	1440.114	1804.179	118.001	352.007	406.009	1367276.200	0.000	2946.477	390.008
x		1652.818	2014.891	154.668	408.009	434.010	1378733.500	0.000	3449.331	404.009
σ		190.615	183.804	32.146	48.869	34.119	10964.141	0.000	519.969	27.786
%RSD		11.533	9.122	20.784	11.977	7.861	0.795	0.000	15.074	6.878

MB 200-8516/1-A 10/30/2010 02:34:57 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	14:36:00	624934.080	38159.922	28.000	4032.894	2676283.400	95343.362	12993.279	14479.522	106997.990
2	14:37:04	632092.460	37706.034	33.000	4070.911	2673114.800	88036.217	11503.273	14235.136	98262.196
3	14:38:07	639166.280	38412.985	37.000	3962.863	2653451.100	89108.589	11719.549	14126.968	100019.200
x		632064.270	38092.980	32.667	4022.223	2667616.500	90829.389	12072.034	14280.542	101759.790
σ		7116.139	358.198	4.509	54.809	12369.404	3945.815	805.117	180.610	4620.689
%RSD		1.126	0.940	13.804	1.363	0.464	4.344	6.669	1.265	4.541

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	14:36:00	13103.437	T 1324537.000	2303952.200	8327.813	525997.170	382.008	20725.598	4785.259	6940.649
2	14:37:04	12512.605	T 1330956.000	2282824.300	8572.040	534716.420	388.008	16813.534	4767.250	5887.906
3	14:38:07	12917.170	T 1366187.400	T 2252184.400	8303.791	540007.860	354.007	13908.632	4931.337	4817.276
x		12844.404	T 1340560.100	T 2279653.700	8401.214	533573.820	374.674	17149.255	4827.949	5881.944
σ		302.062	T 22424.702	T 26029.154	148.426	7074.886	18.148	3420.861	89.989	1061.699
%RSD		2.352	T 1.673	T 1.142	1.767	1.326	4.844	19.948	1.864	18.050

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
1	14:36:00	46800.155	4275.005	779688.430	264.004	594.019	486.013	2052.232	2620.378	444.011
2	14:37:04	46593.095	4076.914	765149.610	270.004	594.019	548.017	2142.252	2482.339	398.009
3	14:38:07	46663.455	4222.981	774988.970	278.004	548.017	516.015	2096.242	2574.365	412.009
x		46685.568	4191.633	773275.670	270.671	578.685	516.681	2096.909	2559.027	418.010
σ		105.286	102.699	7419.289	7.024	26.560	31.007	45.014	70.286	23.581
%RSD		0.226	2.450	0.959	2.595	4.590	6.001	2.147	2.747	5.641

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	14:36:00	1724.164	1652.950	1561.734	169.402	584036.560	2856.449	4871.305	84.000	2.000
2	14:37:04	1724.164	1322.096	1610.743	170.002	587535.580	2598.371	4441.084	46.000	12.000
3	14:38:07	1740.167	1144.472	1653.550	175.602	592592.490	2532.353	4182.962	96.001	2.000
x		1729.498	1373.173	1608.676	171.668	588054.880	2662.391	4498.450	75.334	5.333
σ		9.239	258.058	45.943	3.420	4301.541	171.270	347.738	26.103	5.774
%RSD		0.534	18.793	2.856	1.992	0.731	6.433	7.730	34.649	108.253

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	14:36:00	40.000	26.000	1562.134	789891.300	3517.480	2705.002	328.006	640.023	743535.900
2	14:37:04	66.000	36.000	1702.159	788968.060	2795.430	2145.053	350.007	600.020	748989.450
3	14:38:07	58.000	20.000	1630.146	794299.690	2426.524	1857.790	348.007	550.017	745776.770
x		54.667	27.333	1631.480	791053.010	2913.145	2235.948	342.006	596.686	746100.710
σ		13.317	8.083	70.022	2849.341	554.923	430.858	12.166	45.095	2741.168
%RSD		24.360	29.572	4.292	0.360	19.049	19.270	3.557	7.558	0.367

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	14:36:00	6200.114	7130.796	104.001	258.004	590.019	1426069.100	0.000	7773.322	392.008
2	14:37:04	5541.689	6514.333	98.001	272.004	582.019	1416801.900	0.000	5193.483	374.008
3	14:38:07	5019.385	5871.896	118.001	262.004	626.022	1423543.300	0.000	4004.882	322.006
x		5587.063	6505.675	106.667	264.004	599.353	1422138.100	0.000	5657.229	362.674
σ		591.670	629.495	10.263	7.211	23.439	4790.752	0.000	1926.546	36.352
%RSD		10.590	9.676	9.622	2.732	3.911	0.337	0.000	34.055	10.023

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	14:43:35	613898.950	36713.986	10198.718	191475.440	T 41510912.000	T 26632766.000	T 3536556.400	T 4173208.300
2	14:44:39	620839.310	37754.234	10217.739	197283.670	T 42375547.000	T 27068981.000	T 3604486.000	T 4265550.600
3	14:45:42	618875.990	36991.106	10321.856	199390.900	T 42673223.000	T 27378260.000	T 3649357.000	T 4303374.300
x		617871.410	37153.109	10246.104	196050.000	T 42186561.000	T 27026669.000	T 3596799.800	T 4247377.800
σ		3577.573	538.714	66.289	4099.399	T 603762.100	T 374543.430	T 56791.770	T 66958.853
%RSD		0.579	1.450	0.647	2.091	T 1.431	T 1.386	T 1.579	T 1.576

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	14:43:35	9785.263	1208672.500	T 39149825.000	1344016.300	494091.740	246.003	228190.400	207734.640
2	14:44:39	10141.654	T 1331435.300	T 39854049.000	1369052.000	505945.790	250.003	228239.610	208641.050
3	14:45:42	10694.287	T 1330539.200	T 40275031.000	1392807.400	510662.880	240.003	231063.620	212296.220
x		10207.068	T 1290215.700	T 39759635.000	1368625.300	503566.810	245.337	229164.540	209557.300
σ		458.028	T 70619.890	T 568513.450	24398.366	8537.878	5.033	1644.833	2414.881
%RSD		4.487	T 5.473	T 1.430	1.783	1.695	2.052	0.718	1.152

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	14:43:35	825659.550	316362.550	T 14602670.000	590300.340	47250.475	7397.008	58453.321	60180.536
2	14:44:39	841541.500	324783.830	T 14826511.000	599261.040	47431.414	7765.315	60391.931	60526.824
3	14:45:42	856412.730	327115.230	T 15099923.000	610291.810	49098.228	7767.317	60416.091	61708.730
x		841204.590	322753.870	T 14843035.000	599951.070	47926.706	7643.213	59753.781	60805.363
σ		15379.358	5656.466	T 249038.270	10013.582	1018.594	213.222	1126.296	801.269
%RSD		1.828	1.753	T 1.678	1.669	2.125	2.790	1.885	1.318

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	14:43:35	52104.894	24460.062	5425.218	1872.993	551232.380	402961.130	680535.030	122893.070
2	14:44:39	52533.349	24866.763	5582.313	1914.201	555364.860	412005.290	690900.800	125672.690
3	14:45:42	54521.001	25032.818	5626.941	1934.606	566403.650	415877.770	697346.110	127603.300
x		53053.081	24786.548	5544.824	1907.267	557666.960	410281.400	689593.980	125389.690
σ		1289.180	294.683	105.958	31.386	7843.257	6628.630	8481.388	2367.833
%RSD		2.430	1.189	1.911	1.646	1.406	1.616	1.230	1.888

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	14:43:35	123004.560	32666.586	80293.024	757796.330	282580.020	220770.520	1320556.300	2419602.200
2	14:44:39	123630.980	33236.646	82460.295	756880.550	286562.200	223400.200	1345347.300	2461165.000
3	14:45:42	124910.290	33082.084	82151.518	761460.310	290054.580	226285.050	1358394.800	2478507.000
x		123848.610	32995.105	81634.946	758712.400	286398.930	223485.260	1341432.800	2453091.400
σ		971.322	294.816	1172.348	2423.417	3739.956	2758.249	19220.567	30270.972
%RSD		0.784	0.894	1.436	0.319	1.306	1.234	1.433	1.234

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	14:43:35	189870.300	222331.890	187434.530	457932.260	346229.930	1395139.800	0.000	741861.020
2	14:44:39	191242.620	227452.240	186256.690	461277.160	347370.220	1412722.100	0.000	755099.160
3	14:45:42	192582.460	228491.830	189684.480	461327.630	347789.810	1409447.400	0.000	766281.220
x		191231.790	226091.990	187791.900	460179.010	347129.980	1405769.700	0.000	754413.800
σ		1356.114	3297.567	1741.615	1945.913	807.211	9350.295	0.000	12224.519
%RSD		0.709	1.459	0.927	0.423	0.233	0.665	0.000	1.620

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	2
1	14:51:10	611249.020	36617.598	36.000	5995.977	T 41728073.000	T 10461231.000	1420046.500	168521
2	14:52:13	628182.940	38047.452	32.000	5601.725	T 44788674.000	T 11213349.000	1523528.300	181130
3	14:53:17	637537.670	37742.184	37.000	5497.662	T 46763472.000	T 11782989.000	1610099.800	190344
x		625656.540	37469.078	35.000	5698.455	T 44426739.000	T 11152523.000	1517891.600	179998
σ		13325.175	753.034	2.646	262.863	T 2537136.100	T 662974.760	95151.974	10955
%RSD		2.130	2.010	7.559	4.613	T 5.711	T 5.945	6.269	
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	
1	14:51:10	T 10480932.000	1165938.000	TM 118175300.000	TM 12359593.000	506262.730	22471.740	18791.401	2591
2	14:52:13	T 11224888.000	T 1308625.100	TM 126129430.000	TM 13106716.000	539185.110	23259.718	16228.472	2686
3	14:53:17	T 11746740.000	T 1348014.200	TM 132741350.000	TM 13756551.000	560816.750	23775.048	14060.866	2801
x		T 11150854.000	T 1274192.400	TM 125682030.000	TM 13074287.000	535421.530	23168.835	16360.246	2692
σ		T 636143.400	T 95797.423	TM 7293323.400	TM 699043.390	27471.052	656.390	2368.019	105
%RSD		T 5.705	T 7.518	TM 5.803	TM 5.347	5.131	2.833	14.474	
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	
1	14:51:10	81420.990	183440.280	1345234.300	1312.095	2878.456	818.037	5799.850	M 33810
2	14:52:13	85377.034	194273.880	1424508.400	1326.097	3132.540	870.042	5859.888	M 36076
3	14:53:17	89710.465	201758.280	1484519.400	1280.090	3258.584	892.044	6152.081	M 37281
x		85502.830	193157.480	1418087.400	1306.094	3089.860	860.041	5937.273	M 35722
σ		4146.169	9209.888	69864.221	23.583	193.625	38.004	188.436	M 1762
%RSD		4.849	4.768	4.927	1.806	6.266	4.419	3.174	M
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**10**
1	14:51:10	M 238192.100	1775.773	1844.787	326.806	554816.870	2518.349	4080.916	14
2	14:52:13	M 249596.000	1505.725	1974.414	337.806	594025.640	2438.327	4064.909	13
3	14:53:17	M 260248.540	1404.108	2082.639	344.807	612009.730	2336.300	3774.784	12
x		M 249345.550	1561.869	1967.280	336.473	586950.750	2430.992	3973.536	13
σ		M 11030.355	192.088	119.086	9.074	29245.450	91.246	172.311	1
%RSD		M 4.424	12.299	6.053	2.697	4.983	3.753	4.336	
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**13**
1	14:51:10	160.001	62.000	1304.093	760639.700	1602.541	1265.088	22999.056	4114
2	14:52:13	124.001	56.000	1230.083	798422.420	1435.513	1103.667	23321.877	4207
3	14:53:17	104.001	62.000	1298.093	821024.670	1361.702	1021.257	24665.416	4295
x		129.334	60.000	1277.423	793362.260	1466.585	1130.004	23662.116	4205
σ		28.379	3.464	41.107	30508.850	123.390	124.031	883.748	90
%RSD		21.942	5.774	3.218	3.846	8.413	10.976	3.735	
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**2**
1	14:51:10	4639.183	5427.620	238.003	536.016	3066.517	1380343.700	0.000	416
2	14:52:13	4281.008	5067.412	152.001	460.012	3028.504	1412805.700	0.000	318
3	14:53:17	4154.949	4761.247	222.003	510.014	3168.552	1423580.500	0.000	267
x		4358.380	5085.426	204.002	502.014	3087.858	1405576.600	0.000	333
σ		251.218	333.552	45.739	38.629	72.422	22506.677	0.000	76
%RSD		5.764	6.559	22.421	7.695	2.345	1.601	0.000	2

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	14:58:45	643852.240	39264.611	28.000	4641.184	T 24194204.000	T 7321306.400	983359.920	1171569.700
2	14:59:49	653583.150	39409.235	22.000	4609.168	T 24790698.000	T 7611329.200	1015520.000	1214138.000
3	15:00:52	661953.430	39983.736	41.000	4549.138	T 25558151.000	T 7866808.900	1048249.000	1252158.300
x		653129.610	39552.527	30.333	4599.830	T 24847684.000	T 7599814.800	1015709.700	1212622.000
σ		9059.117	380.374	9.713	46.728	T 683756.850	T 272933.490	32444.975	40315.677
%RSD		1.387	0.962	32.019	1.016	T 2.752	T 3.591	3.194	3.325
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**
1	14:58:45	T 3652331.800	T 1311490.700	TM 151142360.000	512024.350	569823.770	7639.208	22267.237	10702.296
2	14:59:49	T 3775074.900	T 1354162.200	TM 156250300.000	523985.860	577059.470	7601.176	19322.513	11106.781
3	15:00:52	T 3872931.100	T 1399491.000	TM 159816260.000	537298.170	594443.680	8053.566	17787.385	11349.080
x		T 3766779.200	T 1355048.000	TM 155736300.000	524436.120	580442.310	7764.650	19792.378	11052.719
σ		T 110533.370	T 44006.825	TM 4359731.900	12642.924	12653.763	250.930	2276.587	326.763
%RSD		T 2.934	T 3.248	TM 2.799	2.411	2.180	3.232	11.502	2.956
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**

1	14:58:45	36013.191	12510.602	430570.630	308.005	946.049	572.018	4262.999	M 192280.160
2	14:59:49	36428.842	13113.451	445188.060	316.005	946.049	578.018	4084.918	M 194218.720
3	15:00:52	37256.185	13483.993	452485.430	336.006	912.046	624.021	4256.997	M 198493.580
x		36566.073	13036.015	442748.040	320.006	934.715	591.353	4201.638	M 194997.490
σ		632.758	491.294	11159.296	14.423	19.632	28.451	101.127	M 3179.073
%RSD		1.730	3.769	2.520	4.507	2.100	4.811	2.407	M 1.630

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	14:58:45	M 134751.340	1719.763	1974.214	313.405	618751.960	870.042	1420.111	34.000
2	14:59:49	M 135212.100	1536.130	2103.843	320.806	627707.740	776.033	1432.113	38.000
3	15:00:52	M 139012.790	1362.502	2130.450	343.006	642394.320	782.034	1388.106	40.000
x		M 136325.410	1539.465	2069.503	325.739	629618.010	809.369	1413.443	37.333
σ		M 2338.711	178.654	83.587	15.405	11936.382	52.629	22.748	3.055
%RSD		M 1.716	11.605	4.039	4.729	1.896	6.502	1.609	8.183

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	14:58:45	56.000	32.000	1612.143	818171.870	916.846	733.630	910.046	1678.155
2	14:59:49	36.000	26.000	1808.180	842945.020	852.640	644.023	936.048	1630.146
3	15:00:52	28.000	26.000	1654.151	853733.450	803.035	621.221	860.041	1470.119
x		40.000	28.000	1691.491	838283.450	857.507	666.291	902.045	1592.807
σ		14.422	3.464	103.215	18233.326	57.061	59.421	38.630	108.929
%RSD		36.056	12.372	6.102	2.175	6.654	8.918	4.283	6.839

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	14:58:45	3648.732	4371.051	92.000	200.002	838.039	1451698.300	0.000	1822.183
2	14:59:49	3424.645	3986.874	86.000	206.002	816.037	1451161.900	2.000	1674.154
3	15:00:52	3236.576	4030.893	68.000	164.001	774.033	1427637.000	0.000	1640.148
x		3436.651	4129.606	82.000	190.002	809.369	1443499.100	0.667	1712.162
σ		206.340	210.252	12.490	22.716	32.520	13739.585	1.155	96.786
%RSD		6.004	5.091	15.232	11.956	4.018	0.952	173.205	5.653

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	15:06:20	610966.980	41237.317	70.000	307458.740	T 15911747.000	T 10082611.000	1358637.300	1619911.400
2	15:07:24	604191.900	40968.104	59.000	304627.790	T 15897178.000	T 10099346.000	1367891.200	1623067.000
3	15:08:27	603615.430	40654.701	71.000	308480.490	T 16007310.000	T 10178356.000	1370883.700	1641360.800
x		606258.100	40953.374	66.667	306855.680	T 15938745.000	T 10120104.000	1365804.100	1628113.100
σ		4088.178	291.587	6.658	1995.895	T 59824.507	T 51136.359	6384.411	11580.874
%RSD		0.674	0.712	9.988	0.650	T 0.375	T 0.505	0.467	0.711
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**
1	15:06:20	336052.500	1144672.900	T 35480210.000	TM 4751270.400	532436.260	9518.981	49894.546	17637.092
2	15:07:24	336386.520	T 1312657.800	T 35423550.000	TM 4732518.300	531893.850	9897.385	42959.263	16803.515
3	15:08:27	334088.050	T 1329632.600	T 35255478.000	TM 4740162.700	524887.720	8934.388	36641.695	17282.412
x		335509.030	T 1262321.100	T 35386413.000	TM 4741317.100	529739.280	9450.251	43165.168	17241.006
σ		1241.881	T 102239.240	T 116878.190	TM 9429.235	4210.315	485.163	6628.824	418.328
%RSD		0.370	T 8.099	T 0.330	TM 0.199	0.795	5.134	15.357	2.426
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**
1	15:06:20	1535643.600	TM 5353558.400	T 26691481.000	8574.041	5091.425	1278.090	11497.266	64383.181
2	15:07:24	1523624.600	TM 5329269.600	T 26537821.000	8467.942	5035.394	1240.085	11511.283	64022.648
3	15:08:27	1523568.300	TM 5347532.700	T 26492171.000	8628.093	5215.496	1168.075	11541.321	63819.226
x		1527612.200	TM 5343453.600	T 26573824.000	8556.692	5114.105	1228.750	11516.624	64075.018
σ		6955.507	TM 12647.777	T 104418.990	81.473	92.168	55.876	22.508	285.602
%RSD		0.455	TM 0.237	T 0.393	0.952	1.802	4.547	0.195	0.446
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**
1	15:06:20	46502.634	6941.849	1716.962	246.403	603090.240	2422.323	4010.885	80.000
2	15:07:24	46088.533	6430.674	1762.571	235.403	599794.560	2344.302	3750.774	146.001
3	15:08:27	45547.818	5986.771	1767.772	245.603	605520.040	2400.317	4044.900	148.001
x		46046.328	6453.098	1749.102	242.470	602801.610	2388.981	3935.519	124.668
σ		478.805	477.934	27.955	6.133	2873.634	40.227	160.896	38.696
%RSD		1.040	7.406	1.598	2.529	0.477	1.684	4.088	31.039
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**
1	15:06:20	148.001	436.010	834.038	778626.990	2180.461	1708.561	123205.260	217154.980
2	15:07:24	146.001	374.008	1030.058	784183.480	2096.242	1668.553	121366.770	215604.730
3	15:08:27	110.001	362.007	988.054	791816.450	2039.629	1619.544	123156.600	217228.720
x		134.668	390.675	950.717	784875.640	2105.444	1665.553	122576.210	216662.810
σ		21.386	39.717	103.206	6621.917	70.866	44.584	1047.686	917.063
%RSD		15.880	10.166	10.856	0.844	3.366	2.677	0.855	0.423
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**
1	15:06:20	4052.903	4523.125	712.028	1648.149	179949.550	1385067.900	0.000	15054.455
2	15:07:24	3782.787	4387.058	712.028	1674.154	180757.340	1380899.400	2.000	14022.807
3	15:08:27	3690.749	4190.966	786.034	1672.154	176788.420	1367664.600	0.000	13994.764
x		3842.146	4367.050	736.697	1664.819	179165.100	1377877.300	0.667	14357.342
σ		188.233	166.981	42.727	14.471	2097.518	9086.693	1.155	603.880
%RSD		4.899	3.824	5.800	0.869	1.171	0.659	173.205	4.206

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	15:13:55	600178.710	36220.010	33.000	13039.345	T 25606768.000	T 6299226.600	841429.840	1004698.900	4
2	15:14:59	604080.870	36866.602	27.000	12851.077	T 26327328.000	T 6555591.400	865662.270	1034535.500	4
3	15:16:02	609949.980	38007.285	22.000	12654.802	T 26891022.000	T 6659663.300	889820.090	1063335.500	4
x		604736.520	37031.299	27.333	12848.408	T 26275039.000	T 6504827.100	865637.400	1034190.000	4
σ		4918.517	904.948	5.508	192.285	T 643721.450	T 185503.100	24195.134	29319.850	
%RSD		0.813	2.444	20.150	1.497	T 2.450	T 2.852	2.795	2.835	
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	
1	15:13:55	525901.890	1118666.500	TM 122575440.000	1147873.200	504893.650	2064.234	26809.473	7733.288	
2	15:14:59	541681.130	T 1310782.100	TM 125515320.000	1175626.800	521771.810	2152.255	23664.761	7921.450	
3	15:16:02	559076.300	T 1363102.900	TM 127625990.000	1209491.400	526081.860	2462.333	21359.062	7681.244	
x		542219.770	T 1264183.900	TM 125238920.000	1177663.800	517582.440	2226.274	23944.432	7778.660	
σ		16593.767	T 128708.350	TM 2536594.400	30859.567	11198.133	209.117	2735.947	126.367	
%RSD		3.060	T 10.181	TM 2.025	2.620	2.164	9.393	11.426	1.625	
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	

1	15:13:55	272555.410	300809.760	T 4905598.400	1794.177	1198.079	574.018	5921.928	33720.423
2	15:14:59	279546.980	310598.820	T 5043394.000	1924.204	1214.081	636.022	5651.756	33925.183
3	15:16:02	282989.050	315083.250	T 5110163.100	1908.200	1230.083	684.026	5831.870	34617.786
x		278363.810	308830.610	T 5019718.500	1875.527	1214.081	631.355	5801.851	34087.797
σ		5316.494	7299.181	T 104317.170	70.904	16.002	55.152	137.565	470.264
%RSD		1.910	2.363	T 2.078	3.780	1.318	8.736	2.371	1.380

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	15:13:55	23777.054	3186.158	1883.795	313.005	565055.520	1986.217	3086.524	26.000
2	15:14:59	24254.312	2893.661	1984.417	356.807	576480.410	2036.228	3182.557	24.000
3	15:16:02	24621.296	2749.616	2063.834	380.608	580879.610	1984.217	3110.532	46.000
x		24217.554	2943.145	1977.349	350.140	574138.510	2002.220	3126.538	32.000
σ		423.320	222.438	90.227	34.291	8167.855	29.468	49.977	12.166
%RSD		1.748	7.558	4.563	9.793	1.423	1.472	1.598	38.017

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	15:13:55	48.000	128.001	1078.064	755778.260	670.225	539.416	34563.581	61406.695	7
2	15:14:59	48.000	96.001	914.046	775626.010	633.622	493.413	35764.211	63507.051	7
3	15:16:02	20.000	118.001	956.050	777026.350	622.821	481.413	35732.085	63533.233	7
x		38.667	114.001	982.720	769476.870	642.223	504.747	35353.292	62815.660	7
σ		16.166	16.371	85.199	11883.988	24.844	30.618	684.099	1220.269	
%RSD		41.808	14.360	8.670	1.544	3.869	6.066	1.935	1.943	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	15:13:55	2370.309	2650.386	442.011	956.050	19424.730	1345215.800	0.000	2258.280
2	15:14:59	2194.265	2710.404	466.012	974.052	19496.885	1365676.300	0.000	2300.291
3	15:16:02	2186.263	2480.338	408.009	986.053	20009.998	1367299.300	2.000	2260.281
x		2250.279	2613.709	438.677	972.052	19643.871	1359397.100	0.667	2272.951
σ		104.026	119.338	29.145	15.101	319.121	12308.173	1.155	23.698
%RSD		4.623	4.566	6.644	1.554	1.625	0.905	173.205	1.043

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	2
1	15:21:31	624138.090	37079.465	28.000	5449.633	T 7577355.300	1358182.200	174115.580	207063.590	106059.
2	15:22:35	626629.000	38481.272	29.000	5365.583	T 7604716.000	1381177.200	174237.890	208999.130	107329.
3	15:23:38	634011.420	38718.276	30.000	5305.548	T 7678252.800	1397092.300	178564.640	210357.940	107416.
x		628259.500	38093.004	29.000	5373.588	T 7620108.100	1378817.300	175639.370	208806.890	106935.
σ		5134.643	885.714	1.000	72.375	T 52180.086	19562.091	2534.097	1655.568	760.
%RSD		0.817	2.325	3.448	1.347	T 0.685	1.419	1.443	0.793	0.
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53**
1	15:21:31	112301.380	1149803.900	T 27163091.000	232429.790	518614.610	506.014	26460.453	3070.519	8523.
2	15:22:35	115326.910	T 1340876.200	T 27641280.000	238015.570	528051.260	598.020	22642.162	3272.589	7220.
3	15:23:38	115770.490	T 1343929.400	T 27780446.000	238528.760	537366.000	536.016	20266.565	3170.553	6546.
x		114466.260	T 1278203.200	T 27528272.000	236324.710	528010.630	546.683	23123.060	3171.220	7430.
σ		1887.913	T 111207.520	T 323820.330	3382.838	9375.761	46.921	3124.821	101.037	1005.
%RSD		1.649	T 8.700	T 1.176	1.431	1.776	8.583	13.514	3.186	13.
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**6**
1	15:21:31	65527.313	62661.212	1194990.500	436.010	538.016	542.016	1824.183	7649.217	1100.
2	15:22:35	66363.344	64906.885	1218980.300	438.011	506.014	566.018	1922.203	7703.262	1196.
3	15:23:38	67539.962	65176.806	1233163.700	476.012	560.017	526.015	1936.206	8085.594	1218.
x		66476.873	64248.301	1215711.500	450.011	534.682	544.683	1894.198	7812.691	1171.
σ		1011.116	1381.070	19295.430	22.540	27.155	20.134	61.037	237.881	62.
%RSD		1.521	2.150	1.587	5.009	5.079	3.696	3.222	3.045	5.
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108M**
1	15:21:31	5445.631	1808.980	1705.960	205.202	569564.240	630.022	1060.062	22.000	4.
2	15:22:35	5507.668	1607.742	1670.153	214.003	579209.970	514.015	1074.063	8.000	4.
3	15:23:38	5363.582	1421.311	1724.564	220.003	582596.420	624.021	942.049	10.000	2.
x		5438.960	1612.678	1700.226	213.069	577123.540	589.353	1025.391	13.333	3.
σ		72.274	193.882	27.655	7.444	6761.975	65.314	72.515	7.572	1.
%RSD		1.329	12.022	1.627	3.494	1.172	11.082	7.072	56.789	34.
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**15**
1	15:21:31	24.000	34.000	202.002	764265.700	336.806	233.803	7226.871	12532.633	725247.
2	15:22:35	8.000	38.000	254.004	784684.030	312.205	245.403	7445.047	12807.015	733062.
3	15:23:38	8.000	30.000	266.004	784222.650	299.805	241.803	7254.894	12642.785	728414.
x		13.333	34.000	240.670	777724.120	316.272	240.337	7308.938	12660.811	728908.
σ		9.238	4.000	34.020	11657.622	18.833	5.938	118.704	138.076	3930.
%RSD		69.282	11.765	14.136	1.499	5.955	2.471	1.624	1.091	0.
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**23**
1	15:21:31	834.038	890.044	102.001	234.003	4018.888	1371563.800	0.000	520.015	632.
2	15:22:35	820.037	882.043	112.001	212.002	4084.918	1370259.200	0.000	510.014	662.
3	15:23:38	778.033	900.045	116.001	240.003	4038.897	1357815.000	0.000	1028.058	646.
x		810.703	890.710	110.001	228.670	4047.568	1366546.000	0.000	686.029	646.
σ		29.146	9.019	7.211	14.743	33.858	7589.370	0.000	296.248	15.
%RSD		3.595	1.013	6.556	6.447	0.836	0.555	0.000	43.183	2.

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	15:29:07	609437.240	36758.164	3774.784	84337.398	T 39776866.000	T 16052981.000	T 2122985.100	T 2504669.40
2	15:30:11	610180.710	37420.859	3559.697	85754.563	T 40514729.000	T 16499950.000	T 2167910.300	T 2536909.90
3	15:31:15	606421.240	36878.651	3765.780	86023.082	T 41124758.000	T 16770502.000	T 2216168.300	T 2596300.20
x		608679.730	37019.225	3700.087	85371.681	T 40472117.000	T 16441144.000	T 2169021.300	T 2545959.80
σ		1990.924	353.004	121.665	905.722	T 674955.330	T 362357.040	T 46601.504	T 46480.90
%RSD		0.327	0.954	3.288	1.061	T 1.668	T 2.204	T 2.149	T 1.82
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52C**
1	15:29:07	518796.570	1137338.300	TM 132178720.000	1631851.000	501450.720	2004.221	106405.090	81108.21
2	15:30:11	529182.270	T 1339375.700	TM 135120810.000	1657773.700	512540.230	2232.274	102992.120	81889.16
3	15:31:15	539774.600	T 1398011.300	TM 138049330.000	1715253.700	523312.700	2370.309	103752.690	83824.68
x		529251.150	T 1291575.100	TM 135116280.000	1668292.800	512434.550	2202.268	104383.300	82274.02
σ		10489.184	T 136752.630	TM 2935306.700	42684.808	10931.374	184.879	1791.742	1398.53
%RSD		1.982	T 10.588	TM 2.172	2.559	2.133	8.395	1.717	1.70
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zr**

1	15:29:07	559667.040	412729.030	T 9951036.700	207759.190	18420.644	3226.573	27008.059	54052.21
2	15:30:11	567050.150	419751.870	T 10111962.000	211330.100	18617.043	3278.591	27218.686	54816.77
3	15:31:15	574632.760	425977.660	T 10295357.000	215789.030	18927.684	3206.565	27351.083	55156.81
x		567116.650	419486.190	T 10119452.000	211626.110	18655.124	3237.243	27192.609	54675.26
σ		7483.081	6628.310	T 172282.210	4023.095	255.656	37.180	172.992	565.73
%RSD		1.319	1.580	T 1.702	1.901	1.370	1.148	0.636	1.03

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	15:29:07	40301.132	11677.495	3317.605	921.047	561951.720	146872.930	244206.550	47242.43
2	15:30:11	40212.742	11513.686	3489.870	968.852	568258.190	148801.920	247417.650	48123.03
3	15:31:15	41275.489	11577.768	3539.889	997.455	576207.920	150865.520	250701.810	48754.38
x		40596.455	11589.650	3449.121	962.451	568805.940	148846.790	247442.010	48039.95
σ		589.720	82.548	116.610	38.604	7143.868	1996.671	3247.696	759.39
%RSD		1.453	0.712	3.381	4.011	1.256	1.341	1.313	1.58

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	15:29:07	46862.475	12037.965	30133.860	757362.300	99051.694	77448.909	264356.560	467394.02
2	15:30:11	47302.746	12412.468	30474.994	767906.120	102482.410	79691.163	268812.400	481721.64
3	15:31:15	48350.235	12384.430	30731.857	770861.190	104377.990	81190.543	271026.710	488197.77
x		47505.152	12278.288	30446.904	765376.540	101970.700	79443.538	268065.220	479104.47
σ		764.254	208.597	299.986	7096.065	2699.768	1883.068	3397.271	10645.94
%RSD		1.609	1.699	0.985	0.927	2.648	2.370	1.267	2.22

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	15:29:07	69454.305	80700.610	69510.734	165957.100	138352.830	1357071.200	2.000	259841.14
2	15:30:11	69081.480	81086.016	68630.081	166289.080	136959.980	1367484.300	0.000	258228.14
3	15:31:15	69448.259	82478.459	70387.441	167831.030	140304.400	1374960.000	0.000	260937.89
x		69328.015	81421.695	69509.418	166692.400	138539.070	1366505.200	0.667	259669.05
σ		213.526	935.252	878.681	999.954	1679.972	8984.503	1.155	1363.04
%RSD		0.308	1.149	1.264	0.600	1.213	0.657	173.205	0.52

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	15:36:43	603235.410	38047.452	46.000	13391.857	T 26737791.000	T 6604067.100	884452.250	1056123.000	155
2	15:37:47	603376.310	38372.815	45.000	13247.645	T 27029125.000	T 6692141.300	897089.070	1066773.500	157
3	15:38:50	601741.090	38083.603	54.000	12923.179	T 27203507.000	T 6748810.300	907140.930	1074496.600	147
x		602784.270	38167.957	48.333	13187.560	T 26990141.000	T 6681672.900	896227.420	1065797.700	153
σ		906.165	178.331	4.933	240.047	T 235292.440	T 72937.241	11368.856	9225.604	5
%RSD		0.150	0.467	10.206	1.820	T 0.872	T 1.092	1.269	0.866	
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	
1	15:36:43	465601.450	T 1334071.700	TM 67651962.000	1116399.600	507517.890	4559.143	31026.856	12122.077	
2	15:37:47	474140.250	T 1350775.600	TM 68477263.000	1131119.400	509813.120	4547.137	27467.433	12070.007	
3	15:38:50	469287.940	T 1375857.500	TM 68710176.000	1145355.400	522241.670	4391.060	24952.197	11871.747	
x		469676.550	T 1353568.300	TM 68279800.000	1130958.100	513190.890	4499.113	27815.495	12021.277	
σ		4282.642	T 21032.418	TM 556055.340	14478.564	7921.767	93.769	3052.251	132.088	
%RSD		0.912	T 1.554	TM 0.814	1.280	1.544	2.084	10.973	1.099	
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	
1	15:36:43	737424.990	425326.200	T 13207227.000	4126.936	2294.289	846.039	6908.624	72838.636	1
2	15:37:47	742084.180	428751.610	T 13326590.000	3900.837	2398.316	752.031	6808.549	72439.466	1
3	15:38:50	753335.470	435876.730	T 13371210.000	3944.856	2286.287	842.039	6884.606	74282.247	1
x		744281.540	429984.850	T 13301676.000	3990.876	2326.298	813.370	6867.260	73186.783	1
σ		8179.678	5382.292	T 84782.925	119.870	62.498	53.159	52.244	969.466	
%RSD		1.099	1.252	T 0.637	3.004	2.687	6.536	0.761	1.325	
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	
1	15:36:43	51101.221	4718.824	1783.975	270.004	566280.320	1738.166	2756.418	108.001	
2	15:37:47	51505.493	4467.898	1890.597	303.405	574654.040	1614.143	2612.375	88.000	
3	15:38:50	52237.653	4329.431	1940.407	321.406	575858.810	1638.148	2664.390	94.000	
x		51614.789	4505.384	1871.660	298.272	572264.390	1663.486	2677.728	96.667	
σ		576.046	197.385	79.917	26.083	5217.252	65.779	72.942	10.263	
%RSD		1.116	4.381	4.270	8.745	0.912	3.954	2.724	10.617	
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	
1	15:36:43	116.001	310.005	1006.056	750364.170	2664.590	2067.035	45338.777	79653.435	71
2	15:37:47	78.000	286.005	948.049	770065.840	1877.394	1452.516	45869.429	80587.614	72
3	15:38:50	82.000	296.005	960.051	770543.910	1531.129	1170.275	46002.097	79463.786	72
x		92.000	297.338	971.385	763657.970	2024.371	1563.275	45736.768	79901.611	72
σ		20.881	12.056	30.619	11515.251	580.849	458.525	350.995	601.615	
%RSD		22.696	4.055	3.152	1.508	28.693	29.331	0.767	0.753	
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	
1	15:36:43	2076.237	2370.309	830.038	2070.236	73495.894	1357223.700	0.000	5767.829	
2	15:37:47	1966.213	2308.293	832.038	2008.222	73356.778	1351506.400	0.000	5243.512	
3	15:38:50	1826.183	2144.253	776.033	1926.204	73102.744	1337541.500	0.000	5235.507	
x		1956.211	2274.285	812.703	2001.554	73318.472	1348757.200	0.000	5415.616	
σ		125.327	116.802	31.773	72.247	199.355	10125.010	0.000	305.052	
%RSD		6.407	5.136	3.910	3.610	0.272	0.751	0.000	5.633	

200-2079-A-4-K MS 10/30/2010 03:43:16 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	15:44:19	599278.110	36862.586	3515.680	78164.595	T 39112620.000	T 14997739.000	T 1962874.900	T 2338978.700
2	15:45:23	598031.930	36661.776	3413.641	78872.672	T 39721853.000	T 15289720.000	T 2007989.700	T 2372943.400
3	15:46:26	601318.450	37031.269	3483.667	80167.928	T 40411177.000	T 15466740.000	T 2047820.800	T 2414598.700
x		599542.830	36851.877	3470.996	79068.398	T 39748550.000	T 15251400.000	T 2006228.500	T 2375506.900
σ		1659.175	184.979	52.186	1015.907	T 649690.230	T 236836.980	T 42500.359	T 37875.120
%RSD		0.277	0.502	1.503	1.285	T 1.635	T 1.553	T 2.118	T 1.594
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**
1	15:44:19	437984.490	T 1309281.600	TM 72453358.000	1488802.400	495184.880	2970.485	100278.030	79336.683
2	15:45:23	449469.190	T 1365666.400	TM 74345204.000	1509945.100	502616.530	3040.508	97696.144	80934.677
3	15:46:26	451330.070	T 1403930.100	TM 75054094.000	1525506.600	507830.650	3058.514	96014.368	81626.824
x		446261.250	T 1359626.000	TM 73950885.000	1508084.700	501877.350	3023.169	97996.180	80632.728
σ		7228.017	T 47612.485	TM 1344459.900	18422.675	6355.210	46.506	2147.607	1174.549
%RSD		1.620	T 3.502	TM 1.818	1.222	1.266	1.538	2.192	1.457
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**

1	15:44:19	1020656.300	452222.830	T 17765295.000	196793.210	18270.341	3212.568	26215.745	74796.437
2	15:45:23	1038209.000	464488.640	T 18225312.000	203778.600	18564.937	3212.568	26655.020	77004.760
3	15:46:26	1048593.600	467255.140	T 18468583.000	204543.490	18542.892	3128.538	27369.137	77152.000
x		1035819.600	461322.210	T 18153064.000	201705.100	18459.390	3184.558	26746.634	76317.733
σ		14121.097	8000.770	T 357167.270	4270.981	164.092	48.514	582.128	1319.536
%RSD		1.363	1.734	T 1.968	2.117	0.889	1.523	2.176	1.729

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	15:44:19	54219.204	12083.225	3196.162	867.241	555394.600	141541.360	236876.380	45449.327
2	15:45:23	55148.770	12231.022	3366.023	923.447	562997.540	141238.700	235854.320	46631.290
3	15:46:26	56923.660	12017.137	3464.460	966.851	565047.010	143643.950	240000.750	47007.219
x		55430.545	12110.462	3342.215	919.180	561146.380	142141.340	237577.150	46362.612
σ		1374.070	109.513	135.724	49.942	5085.507	1310.072	2160.213	812.956
%RSD		2.479	0.904	4.061	5.433	0.906	0.922	0.909	1.753

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	15:44:19	44946.838	11753.593	28703.242	746981.940	94857.519	73905.999	261756.940	466032.730
2	15:45:23	46018.178	11897.781	29200.823	752550.260	95828.422	74574.223	266063.280	472746.400
3	15:46:26	45612.139	11959.862	28931.965	753738.940	96503.305	75315.900	271284.230	482208.460
x		45525.718	11870.412	28945.343	751090.380	95729.748	74598.707	266368.150	473662.530
σ		540.873	105.823	249.060	3607.313	827.318	705.269	4770.956	8126.685
%RSD		1.188	0.891	0.860	0.480	0.864	0.945	1.791	1.716

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	15:44:19	63356.002	75104.965	66754.190	159914.230	173832.230	1350749.300	0.000	182001.800
2	15:45:23	64016.606	75389.304	67006.033	158819.280	175620.100	1366462.300	0.000	183364.780
3	15:46:26	64252.260	75183.611	66484.223	160520.780	176639.570	1331112.400	0.000	180822.620
x		63874.956	75225.960	66748.149	159751.430	175363.970	1349441.400	0.000	182063.070
σ		464.616	146.824	260.958	862.351	1421.090	17711.222	0.000	1272.190
%RSD		0.727	0.195	0.391	0.540	0.810	1.312	0.000	0.699

CCV 10/30/2010 03:50:52 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	15:51:55	615549.120	37051.351	4163.953	80135.645	T 19018736.000	T 10987129.000	1490614.500	1777588.300	1(
2	15:52:59	622571.990	36842.504	4179.961	82167.663	T 19367260.000	T 11190325.000	1516149.800	1806306.000	1(
3	15:54:02	631629.910	38497.340	4350.041	83356.412	T 19518659.000	T 11334464.000	1534373.600	1822969.000	1(
x		623250.340	37463.732	4231.318	81886.573	T 19301552.000	T 11170639.000	1513712.600	1802287.800	1(
σ		8061.832	901.201	103.128	1628.679	T 256356.930	T 174502.470	21981.140	22955.644	
%RSD		1.294	2.406	2.437	1.989	T 1.328	T 1.562	1.452	1.274	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	15:51:55	7769.319	T 1341803.600	T 17456463.000	542345.010	496518.760	194.002	103204.510	81927.510	
2	15:52:59	7407.016	T 1357173.700	T 17610900.000	553797.440	509381.930	214.003	100795.710	83562.289	
3	15:54:02	7374.990	T 1388393.300	T 17824028.000	561989.980	515724.980	232.003	99719.940	84648.267	
x		7517.108	T 1362456.900	T 17630464.000	552710.810	507208.560	213.336	101240.050	83379.355	
σ		219.007	T 23739.874	T 184561.510	9867.458	9785.828	19.009	1784.274	1369.572	
%RSD		2.913	T 1.742	T 1.047	1.785	1.929	8.910	1.762	1.643	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	15:51:55	328572.390	127380.210	T 6097557.600	226695.690	19348.568	3370.625	24549.102	25190.854	
2	15:52:59	333067.610	128159.040	T 6230200.200	231307.710	19460.807	3340.614	25198.876	25505.730	
3	15:54:02	339785.490	130802.290	T 6276424.900	233950.050	19526.949	3398.635	24729.590	25710.305	
x		333808.500	128780.510	T 6201394.200	230651.150	19445.442	3369.958	24825.856	25468.963	
σ		5643.144	1793.692	T 92847.842	3671.475	90.178	29.016	335.413	261.670	
%RSD		1.691	1.393	T 1.497	1.592	0.464	0.861	1.351	1.027	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	
1	15:51:55	19813.568	10871.296	3256.583	890.444	554353.870	156009.250	258186.990	52104.894	
2	15:52:59	19863.677	10655.040	3301.399	903.245	562070.750	159617.070	266623.330	53571.380	
3	15:54:02	20394.852	10707.903	3375.427	942.049	568755.910	163655.940	269358.210	54076.357	
x		20024.032	10744.746	3311.136	911.912	561726.840	159760.750	264722.850	53250.877	
σ		322.115	112.738	60.017	26.872	7207.180	3825.368	5823.048	1024.065	
%RSD		1.609	1.049	1.813	2.947	1.283	2.394	2.200	1.923	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	15:51:55	51877.600	13409.883	32361.497	746518.060	85143.055	66609.736	248099.870	444000.020	7
2	15:52:59	52792.846	13718.343	32508.019	756741.670	98576.976	77391.019	252780.190	454162.010	7
3	15:54:02	53036.256	13564.112	32799.061	773873.700	105065.850	82232.647	253421.680	453554.790	7
x		52568.901	13564.113	32556.192	759044.480	96261.960	75411.134	251433.920	450572.270	7
σ		610.930	154.230	222.724	13822.445	10161.146	7997.424	2905.128	5699.829	
%RSD		1.162	1.137	0.684	1.821	10.556	10.605	1.155	1.265	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	15:51:55	67092.668	78662.865	73719.696	175616.030	128150.920	1342028.200	0.000	230419.580	2
2	15:52:59	69065.359	80274.865	74893.229	179935.270	130232.190	1364021.300	0.000	250537.370	2
3	15:54:02	68769.126	80414.087	74098.759	180039.300	129992.800	1364659.200	0.000	261672.560	2
x		68309.051	79783.939	74237.228	178530.200	129458.640	1356902.900	0.000	247543.170	2
σ		1063.780	973.371	598.895	2524.282	1138.821	12885.808	0.000	15840.172	
%RSD		1.557	1.220	0.807	1.414	0.880	0.950	0.000	6.399	

CCB 10/30/2010 03:58:29 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	15:59:32	630859.050	37758.250	27.000	3368.624	2705150.200	30631.519	4112.930	4833.284	22100.832
2	16:00:35	640079.280	38959.302	26.000	3428.646	2698627.700	32295.262	4661.195	4981.364	22283.277
3	16:01:39	643243.320	39144.093	21.000	3292.596	2691750.700	29503.799	3944.856	4461.094	22126.895
x		638060.550	38620.548	24.667	3363.289	2698509.500	30810.193	4239.660	4758.581	22170.335
σ		6434.202	752.466	3.215	68.182	6700.572	1404.283	374.607	268.059	98.675
%RSD		1.008	1.948	13.032	2.027	0.248	4.558	8.836	5.633	0.445

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	15:59:32	4359.045	1063431.900	T 2097111.100	4477.102	497658.620	104.001	20503.095	1954.210	6520.337
2	16:00:35	4585.156	1049508.700	2089289.600	4569.148	505819.020	126.001	17380.599	2088.240	5557.698
3	16:01:39	4411.070	1099385.300	T 2049874.000	4609.168	506921.990	84.000	15352.953	2100.243	5025.389
x		4451.757	1070775.300	T 2078758.200	4551.806	503466.540	104.667	17745.549	2047.564	5701.141
σ		118.419	25736.413	T 25318.322	67.719	5059.951	21.008	2594.394	81.069	757.727
%RSD		2.660	2.404	T 1.218	1.488	1.005	20.071	14.620	3.959	13.291

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	15:59:32	13445.936	986.053	308521.860	306.005	382.008	534.016	926.047	334.006	80.000
2	16:00:35	13243.640	1048.060	317650.300	280.004	374.008	476.012	970.052	336.006	72.000
3	16:01:39	13127.471	1022.057	316944.290	304.005	390.008	496.014	922.047	326.006	64.000
x		13272.349	1018.724	314372.150	296.672	382.008	502.014	939.382	332.006	72.000
σ		161.162	31.138	5078.782	14.469	8.000	29.463	26.636	5.292	8.000
%RSD		1.214	3.057	1.616	4.877	2.094	5.869	2.835	1.594	11.111

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	15:59:32	294.005	1840.186	1529.929	184.602	549474.610	1052.061	1652.150	84.000	8.000
2	16:00:35	290.005	1556.133	1541.331	178.402	556550.150	842.039	1558.133	76.000	4.000
3	16:01:39	266.004	1314.095	1578.137	168.402	560595.720	748.031	1358.101	84.000	6.000
x		283.338	1570.138	1549.799	177.135	555540.160	880.710	1522.795	81.334	6.000
σ		15.144	263.325	25.195	8.174	5628.930	155.660	150.176	4.619	2.000
%RSD		5.345	16.771	1.626	4.615	1.013	17.674	9.862	5.679	33.333

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	15:59:32	66.000	22.000	66.000	745547.020	4293.414	3338.813	350.007	702.027	704240.350
2	16:00:35	92.000	34.000	76.000	755162.080	3370.425	2619.177	416.010	734.030	704464.780
3	16:01:39	54.000	34.000	50.000	752307.340	2755.818	2103.243	376.008	604.020	710090.160
x		70.667	30.000	64.000	751005.480	3473.219	2687.078	380.675	680.026	706265.090
σ		19.425	6.928	13.115	4937.961	773.935	620.577	33.248	67.740	3314.503
%RSD		27.488	23.094	20.492	0.658	22.283	23.095	8.734	9.961	0.469

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	15:59:32	1196.079	1288.091	114.001	266.004	396.009	1346429.300	2.000	5173.472	372.008
2	16:00:35	1024.058	1172.076	128.001	244.003	448.011	1357062.000	0.000	4162.953	420.010
3	16:01:39	842.039	1048.060	84.000	208.002	338.006	1349895.300	0.000	3516.680	358.007
x		1020.725	1169.409	108.667	239.337	394.009	1351128.900	0.667	4284.368	383.341
σ		177.043	120.038	22.480	29.281	55.030	5422.605	1.155	835.042	32.518
%RSD		17.345	10.265	20.687	12.234	13.967	0.401	173.205	19.490	8.483

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26
1	16:07:09	617661.410	42868.838	38.000	29413.507	T 16353552.000	T 19173609.000	T 2522651.100	T 2978779
2	16:08:13	621412.550	43033.614	22.000	29351.306	T 16762396.000	T 19793200.000	T 2609819.000	T 3086393
3	16:09:16	616130.590	42892.951	40.000	30196.066	T 16785590.000	T 20031408.000	T 2660922.000	T 3148657
x		618401.520	42931.801	33.333	29653.626	T 16633846.000	T 19666072.000	T 2597797.400	T 3071276
σ		2717.646	88.993	9.866	470.795	T 243018.900	T 442804.360	T 69914.938	T 85942
%RSD		0.439	0.207	29.597	1.588	T 1.461	T 2.252	T 2.691	T 2

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	5
1	16:07:09	554152.110	1089995.100	TM 118159400.000	TM 3772476.300	486262.050	3020.502	21836.194	13231
2	16:08:13	575671.480	1105633.300	TM 120424230.000	TM 3889794.300	495108.900	3108.531	19176.204	13169
3	16:09:16	584718.360	1130780.900	TM 122976460.000	TM 3966269.400	502020.930	3174.554	17298.442	13125
x		571513.980	1108803.100	TM 120520030.000	TM 3876180.000	494463.960	3101.196	19436.947	13175
σ		15701.516	20576.836	TM 2409958.800	TM 97611.254	7899.213	77.288	2280.085	53
%RSD		2.747	1.856	TM 2.000	TM 2.518	1.598	2.492	11.731	0

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	6
1	16:07:09	323868.010	M 1609872.300	T 5913976.500	2910.466	2630.381	746.031	18603.015	M 166655
2	16:08:13	335150.090	M 1646395.000	T 6050234.700	2840.444	2648.386	856.040	18967.767	M 170239
3	16:09:16	341423.160	M 1677329.400	T 6145319.700	2900.463	2666.391	860.041	19148.145	M 172835
x		333480.420	M 1644532.300	T 6036510.300	2883.791	2648.386	820.704	18906.309	M 169910
σ		8895.879	M 33767.101	T 116280.660	37.871	18.005	64.700	277.713	M 3103
%RSD		2.668	M 2.053	T 1.926	1.313	0.680	7.883	1.469	M 1

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	10
1	16:07:09	M 118197.420	2527.951	1610.143	239.203	541785.060	8499.972	13850.543	82
2	16:08:13	M 120195.360	2223.472	1797.178	281.804	553975.840	8361.844	13706.325	90
3	16:09:16	M 122584.950	1983.816	1937.206	346.807	563010.300	8005.523	14072.884	108
x		M 120325.910	2245.080	1781.509	289.271	552923.730	8289.113	13876.584	93
σ		M 2196.677	272.710	164.094	54.189	10651.660	255.122	184.662	13
%RSD		M 1.826	12.147	9.211	18.733	1.926	3.078	1.331	14

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	13
1	16:07:09	96.001	228.003	1040.060	729167.120	2944.277	2248.478	112200.140	201825
2	16:08:13	82.000	270.004	1018.057	751123.170	2145.253	1692.557	115549.710	206472
3	16:09:16	86.000	214.003	894.044	751982.000	1830.584	1466.518	116702.290	206664
x		88.000	237.336	984.053	744090.770	2306.705	1802.518	114817.380	204987
σ		7.211	29.144	78.723	12931.386	574.132	402.410	2338.710	2739
%RSD		8.194	12.280	8.000	1.738	24.890	22.325	2.037	1

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	23
1	16:07:09	2140.252	2548.357	442.011	1134.071	26959.917	1347430.700	0.000	8153
2	16:08:13	2110.245	2416.321	490.013	1070.063	27613.875	1360744.300	0.000	6025
3	16:09:16	1986.217	2302.291	448.011	1168.075	27804.455	1345451.100	0.000	5521
x		2078.905	2422.323	460.012	1124.070	27459.416	1351208.700	0.000	6567
σ		81.660	123.143	26.155	49.766	442.950	8317.193	0.000	1396
%RSD		3.928	5.084	5.686	4.427	1.613	0.616	0.000	21

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26
1	16:14:46	624138.090	37364.629	23.000	3072.519	T 44315103.000	T 9748564.600	1314720.200	156603
2	16:15:49	636547.790	38248.292	33.000	3284.593	T 46255508.000	T 10194514.000	1377260.300	164155
3	16:16:53	646151.050	38802.634	30.000	3266.587	T 48392375.000	T 10690589.000	1444639.100	172273
x		635612.310	38138.518	28.667	3207.900	T 46320995.000	T 10211223.000	1378873.200	164344
σ		11036.254	725.260	5.132	117.588	T 2039424.600	T 471234.410	64974.485	7837
%RSD		1.736	1.902	17.901	3.666	T 4.403	T 4.615	4.712	4

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	5
1	16:14:46	T 9605731.500	1106990.500	TM 105341270.000	TM 11525731.000	503541.670	20461.000	21068.385	17070
2	16:15:49	T 10004740.000	1127516.300	TM 109798160.000	TM 12128390.000	529529.650	20709.562	16623.184	17933
3	16:16:53	T 10509346.000	1107607.300	TM 115942190.000	TM 12692046.000	548116.170	21756.002	14060.866	19025
x		T 10039939.000	1114038.000	TM 110360540.000	TM 12115389.000	527062.500	20975.521	17250.812	18009
σ		T 452834.260	11676.564	TM 5322789.300	TM 583266.580	22389.430	687.247	3545.669	980
%RSD		T 4.510	1.048	TM 4.823	TM 4.814	4.248	3.276	20.554	5

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	6

1	16:14:46	85619.297	130948.370	1419830.300	966.051	2026.226	718.028	6364.227	M 227220.
2	16:15:49	89890.228	135484.110	1481513.000	1058.062	1970.214	648.023	6836.570	M 239331.
3	16:16:53	92857.832	139770.270	1532316.000	980.053	2130.250	732.029	6914.629	M 247384.
x		89455.785	135400.920	1477886.400	1001.389	2042.230	699.360	6705.142	M 237978.
σ		3638.771	4411.539	56330.452	49.577	81.209	45.007	297.810	M 10149.
%RSD		4.068	3.258	3.812	4.951	3.977	6.435	4.442	M 4.

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	10
1	16:14:46	M 159026.860	1850.988	1975.815	380.808	555275.650	816.037	1460.117	34.
2	16:15:49	M 167340.100	1598.141	2089.840	394.209	572798.240	884.043	1382.105	36.
3	16:16:53	M 172342.260	1453.316	2195.465	404.809	596956.590	760.032	1522.127	42.
x		M 166236.410	1634.148	2087.040	393.275	575010.160	820.037	1454.783	37.
σ		M 6725.962	201.267	109.852	12.028	20928.323	62.102	70.163	4.
%RSD		M 4.046	12.316	5.264	3.058	3.640	7.573	4.823	11.

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	13
1	16:14:46	40.000	20.000	1020.057	745993.510	774.833	596.420	13457.954	24158.
2	16:15:49	34.000	34.000	1020.057	785171.540	696.827	525.215	14459.490	25345.
3	16:16:53	42.000	24.000	1034.059	795432.610	620.221	478.213	14369.347	25622.
x		38.667	26.000	1024.724	775532.550	697.294	533.282	14095.597	25041.
σ		4.163	7.211	8.084	26090.966	77.307	59.515	554.051	777.
%RSD		10.767	27.735	0.789	3.364	11.087	11.160	3.931	3.

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	23
1	16:14:46	1760.170	2084.239	48.000	140.001	1602.141	1355519.200	0.000	1192.
2	16:15:49	1730.165	2088.240	48.000	112.001	1764.171	1378686.200	0.000	1014.
3	16:16:53	1756.170	2076.237	56.000	170.002	1880.194	1392246.500	0.000	856.
x		1748.835	2082.905	50.667	140.668	1748.836	1375483.900	0.000	1020.
σ		16.292	6.112	4.619	29.006	139.660	18571.832	0.000	168.
%RSD		0.932	0.293	9.116	20.620	7.986	1.350	0.000	16.

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	16:22:20	646013.790	38967.336	21.000	3158.549	T 22119622.000	T 6813498.200	906946.940	1073630.700
2	16:23:24	652445.640	39216.404	21.000	3032.506	T 22542452.000	T 6996955.000	936475.590	1109930.700
3	16:24:27	656760.320	39413.252	28.000	3058.514	T 23166573.000	T 7208665.700	959204.100	1133078.300
x		651739.920	39198.998	23.333	3083.190	T 22609549.000	T 7006373.000	934208.870	1105546.600
σ		5407.911	223.467	4.041	66.546	T 526690.520	T 197752.020	26202.218	29965.304
%RSD		0.830	0.570	17.321	2.158	T 2.330	T 2.822	2.805	2.710

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	16:22:20	T 2990290.200	1133913.400	TM 125265200.000	207317.270	531300.620	6362.225	23257.713	11317.040
2	16:23:24	T 3057267.000	1034200.400	TM 129207330.000	213194.890	543783.230	6458.293	20446.968	11589.383
3	16:24:27	T 3127039.400	1127029.000	TM 131543910.000	218297.870	555619.750	6644.427	18266.333	11797.650
x		T 3058198.900	1098380.900	TM 128672140.000	212936.680	543567.870	6488.315	20657.005	11568.024
σ		T 68379.360	55688.496	TM 3173385.500	5494.851	12160.992	143.476	2502.310	241.016
%RSD		T 2.236	5.070	TM 2.466	2.581	2.237	2.211	12.114	2.083

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	16:22:20	32489.954	14810.054	415139.130	218.003	1084.065	578.018	4018.888	M 170121.010	M
2	16:23:24	32921.503	14982.336	427536.340	190.002	968.052	642.023	4054.904	M 174203.230	M
3	16:24:27	33650.163	15863.829	442237.130	264.004	1122.069	654.024	4136.941	M 177161.580	M
x		33020.540	15218.740	428304.200	224.003	1058.062	624.688	4070.244	M 173828.610	M
σ		586.411	565.266	13565.309	37.364	80.234	40.860	60.503	M 3535.207	
%RSD		1.776	3.714	3.167	16.680	7.583	6.541	1.486	M 2.034	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	
1	16:22:20	M 118699.910	1956.611	1973.414	331.806	580683.670	310.005	616.021	14.000	
2	16:23:24	M 121081.000	1681.355	2046.030	363.807	592686.320	318.006	474.012	20.000	
3	16:24:27	M 123545.830	1506.925	2142.052	359.807	603184.170	296.005	544.016	14.000	
x		M 121108.910	1714.964	2053.832	351.807	592184.720	308.005	544.683	16.000	
σ		M 2423.083	226.719	84.589	17.436	11258.633	11.136	71.007	3.464	
%RSD		M 2.001	13.220	4.119	4.956	1.901	3.615	13.036	21.651	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	16:22:20	10.000	10.000	1418.111	784157.360	506.214	391.608	386.008	734.030	7
2	16:23:24	10.000	16.000	1424.112	800903.030	479.013	368.807	450.011	812.036	7
3	16:24:27	24.000	16.000	1466.118	811176.760	444.011	343.406	480.013	808.036	7
x		14.667	14.000	1436.113	798745.720	476.413	367.941	438.677	784.701	7
σ		8.083	3.464	26.158	13638.271	31.183	24.113	48.016	43.928	
%RSD		55.111	24.744	1.821	1.707	6.545	6.553	10.946	5.598	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	16:22:20	1422.111	1624.145	32.000	108.001	726.029	1397287.100	0.000	726.029
2	16:23:24	1308.094	1604.142	46.000	116.001	692.026	1412782.500	0.000	642.023
3	16:24:27	1300.093	1466.118	50.000	92.000	640.023	1401467.200	0.000	540.016
x		1343.433	1564.802	42.667	105.334	686.026	1403845.600	0.000	636.023
σ		68.255	86.046	9.452	12.220	43.316	8016.784	0.000	93.152
%RSD		5.081	5.499	22.152	11.602	6.314	0.571	0.000	14.646

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	16:29:55	644152.420	39035.628	28.000	2922.470	T 26910846.000	T 7620313.600	1017598.300	1216045.500
2	16:30:59	653209.690	39164.179	27.000	2780.425	T 27806689.000	T 7893212.400	1061641.700	1261325.300
3	16:32:02	662060.850	39413.252	29.000	3164.551	T 28690378.000	T 8148222.800	1088820.000	1300201.600
x		653140.990	39204.353	28.000	2955.815	T 27802637.000	T 7887249.600	1056020.000	1259190.800
σ		8954.409	191.991	1.000	194.222	T 889772.980	T 264005.070	35942.114	42118.624
%RSD		1.371	0.490	3.571	6.571	T 3.200	T 3.347	3.404	3.345

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	16:29:55	T 4039728.100	1085967.100	TM 149467060.000	1212353.700	538799.210	8626.091	27884.700	9334.790
2	16:30:59	T 4178599.000	1067715.000	TM 154516890.000	1241201.300	549716.600	8385.866	23692.834	9673.144
3	16:32:02	T 4305972.600	1048302.700	TM 158129450.000	1284200.500	569530.200	8998.451	20731.612	10081.587
x		T 4174766.500	1067328.300	TM 154037800.000	1245918.500	552682.010	8670.136	24103.049	9696.507
σ		T 133163.610	18835.140	TM 4351018.600	36154.929	15578.629	308.659	3594.144	373.946
%RSD		T 3.190	1.765	TM 2.825	2.902	2.819	3.560	14.912	3.857

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	16:29:55	34804.497	26783.396	435587.340	248.003	806.036	572.018	4158.951	M 197749.630
2	16:30:59	36232.058	27553.693	452766.940	256.004	740.030	546.016	4182.962	M 200721.710
3	16:32:02	36806.358	28005.069	463407.510	242.003	770.033	620.021	4471.099	M 206087.790
x		35947.638	27447.386	450587.260	248.670	772.033	579.352	4271.004	M 201519.710
σ		1030.793	617.735	14037.580	7.024	33.048	37.544	173.703	M 4225.970
%RSD		2.867	2.251	3.115	2.825	4.281	6.480	4.067	M 2.097

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	16:29:55	M 137193.460	2215.870	2037.028	349.207	583086.380	258.004	444.011	24.000
2	16:30:59	M 141169.640	1920.603	2106.244	376.008	602547.990	280.004	460.012	12.000
3	16:32:02	M 145432.050	1703.360	2250.479	373.408	616382.860	296.005	430.010	16.000
x		M 141265.050	1946.611	2131.250	366.207	600672.410	278.004	444.678	17.333
σ		M 4120.122	257.243	108.900	14.780	16727.289	19.079	15.012	6.110
%RSD		M 2.917	13.215	5.110	4.036	2.785	6.863	3.376	35.251

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	16:29:55	22.000	12.000	1412.110	782455.700	428.210	323.606	2120.247	4106.927
2	16:30:59	8.000	12.000	1464.118	798374.470	412.409	271.804	2364.307	4132.939
3	16:32:02	10.000	14.000	1482.121	818053.930	385.608	281.004	2258.280	4090.920
x		13.333	12.667	1452.783	799628.040	408.743	292.138	2247.612	4110.262
σ		7.572	1.155	36.356	17832.194	21.536	27.637	122.379	21.207
%RSD		56.789	9.116	2.503	2.230	5.269	9.460	5.445	0.516

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	16:29:55	1342.099	1600.141	50.000	86.000	712.028	1352212.800	2.000	662.024
2	16:30:59	1434.113	1652.150	48.000	118.001	740.030	1384488.800	0.000	560.017
3	16:32:02	1362.102	1556.133	58.000	138.001	760.032	1386040.800	0.000	506.014
x		1379.438	1602.808	52.000	114.001	737.363	1374247.500	0.667	576.018
σ		48.395	48.064	5.292	26.230	24.113	19098.325	1.155	79.226
%RSD		3.508	2.999	10.176	23.009	3.270	1.390	173.205	13.754

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26
1	16:37:31	638154.800	39365.044	24.000	2822.438	T 50720633.000	T 11505678.000	1552871.400	1845797.
2	16:38:34	651394.110	39790.892	33.000	2926.471	T 53237789.000	T 12030651.000	1640505.000	1940000.
3	16:39:37	648459.010	39119.990	23.000	2934.474	T 54412122.000	T 12442003.000	1645655.300	2003408.
x		646002.640	39425.309	26.667	2894.461	T 52790181.000	T 11992777.000	1613010.600	1929735.
σ		6953.069	339.487	5.508	62.502	T 1886010.900	T 469310.200	52145.662	79305.
%RSD		1.076	0.861	20.653	2.159	T 3.573	T 3.913	3.233	4.
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**5**
1	16:37:31	T 13449317.000	1065926.200	TM 111417520.000	TM 18065804.000	538074.100	27555.699	24888.021	44844.
2	16:38:34	T 13958711.000	1093759.500	TM 115773000.000	TM 18864815.000	558678.960	27786.400	20398.861	46753.
3	16:39:37	T 14382535.000	1043042.100	TM 119361020.000	TM 19415274.000	577723.730	28749.387	18112.025	48251.
x		T 13930188.000	1067575.900	TM 115517180.000	TM 18781964.000	558158.930	28030.495	21132.969	46616.
σ		T 467262.190	25398.913	TM 3977921.500	TM 678538.840	19829.929	633.174	3447.132	1707.
%RSD		T 3.354	2.379	TM 3.444	TM 3.613	3.553	2.259	16.312	3.
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**6**
1	16:37:31	85924.153	165857.300	1393802.000	1090.065	5795.847	1202.080	4957.351	M 327933.
2	16:38:34	87719.174	170999.260	1445888.300	1208.080	5871.896	1378.104	5115.439	M 337554.
3	16:39:37	91395.121	174933.050	1490085.300	1162.074	6202.115	1336.098	5219.498	M 349410.
x		88346.149	170596.530	1443258.500	1153.407	5956.619	1305.427	5097.429	M 338299.
σ		2788.852	4551.257	48195.514	59.483	215.979	91.933	131.998	M 10757.
%RSD		3.157	2.668	3.339	5.157	3.626	7.042	2.590	M 3.
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**10**
1	16:37:31	M 230891.330	2365.508	2043.830	338.206	585489.710	1408.109	2130.250	34.
2	16:38:34	M 236447.430	2009.022	2144.253	361.607	614300.770	1260.087	2194.265	24.
3	16:39:37	M 242963.920	1891.397	2249.878	367.407	620946.250	1298.093	2136.251	16.
x		M 236767.560	2088.642	2145.987	355.740	606912.250	1322.096	2153.588	24.
σ		M 6042.658	246.880	103.035	15.459	18847.663	76.875	35.354	9.
%RSD		M 2.552	11.820	4.801	4.346	3.106	5.815	1.642	36.
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**13**
1	16:37:31	22.000	30.000	1172.076	781563.650	389.408	296.205	27174.554	48933.
2	16:38:34	20.000	30.000	1422.111	803310.140	352.607	273.204	27834.547	49643.
3	16:39:37	22.000	24.000	1336.098	818617.430	361.607	251.803	28647.065	50713.
x		21.333	28.000	1310.095	801163.740	367.874	273.737	27885.389	49763.
σ		1.155	3.464	127.030	18619.908	19.184	22.205	737.571	895.
%RSD		5.413	12.372	9.696	2.324	5.215	8.112	2.645	1.
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**23**
1	16:37:31	1738.166	1888.196	38.000	66.000	2716.406	1351271.000	0.000	528.
2	16:38:34	1586.138	2024.225	20.000	38.000	2514.348	1347015.400	0.000	468.
3	16:39:37	1600.141	1914.201	22.000	52.000	2616.376	1333964.600	0.000	506.
x		1641.482	1942.208	26.667	52.000	2615.710	1344083.700	0.000	500.
σ		84.023	72.210	9.866	14.000	101.031	9017.951	0.000	30.
%RSD		5.119	3.718	36.997	26.923	3.862	0.671	0.000	6.

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26
1	16:45:06	645734.990	39051.697	35.000	3168.552	T 41210528.000	T 10163404.000	1378274.100	1626366.
2	16:46:10	651321.150	40236.849	27.000	3032.506	T 42469385.000	T 10557646.000	1419316.600	1700625.
3	16:47:13	655407.750	40481.933	29.000	3168.552	T 43699315.000	T 10903922.000	1470877.700	1745353.
x		650821.300	39923.493	30.333	3123.203	T 42459743.000	T 10541658.000	1422822.800	1690781.
σ		4855.711	764.877	4.163	78.546	T 1244421.400	T 370517.990	46401.257	60101.
%RSD		0.746	1.916	13.725	2.515	T 2.931	T 3.515	3.261	3.
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**5**
1	16:45:06	T 10387749.000	1082764.700	TM 111771510.000	TM 13111958.000	541598.420	20665.462	25000.329	26011.
2	16:46:10	T 10668745.000	1109703.300	TM 116154260.000	TM 13679234.000	560285.440	21511.421	21621.682	26875.
3	16:47:13	T 11034380.000	1071623.300	TM 118517360.000	TM 13912715.000	571270.460	21637.720	19470.829	27116.
x		T 10696958.000	1088030.400	TM 115481040.000	TM 13567969.000	557718.110	21271.534	22030.946	26667.
σ		T 324237.190	19578.511	TM 3422939.200	TM 411810.880	15001.700	528.659	2787.376	581.
%RSD		T 3.031	1.799	TM 2.964	TM 3.035	2.690	2.485	12.652	2.
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**6**

1	16:45:06	69667.930	150621.520	1105745.800	726.029	2854.448	948.049	4993.371	M 259252.
2	16:46:10	71677.462	156049.940	1147423.400	706.027	2954.480	950.050	5059.408	M 263681.
3	16:47:13	73669.289	160850.530	1174953.500	798.035	2986.490	848.040	5285.536	M 271657.
x		71671.560	155840.660	1142707.600	743.364	2931.806	915.380	5112.771	M 264863.
σ		2000.686	5117.713	34844.021	48.391	68.879	58.327	153.218	M 6286.
%RSD		2.791	3.284	3.049	6.510	2.349	6.372	2.997	M 2.

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	10
1	16:45:06	M 177779.470	2323.897	1986.617	325.206	590379.230	754.031	1242.085	24.
2	16:46:10	M 183683.110	1981.016	2112.045	345.207	605848.910	806.036	1152.073	18.
3	16:47:13	M 189639.560	1824.183	2231.874	344.007	617605.820	702.027	1232.084	40.
x		M 183700.710	2043.032	2110.179	338.140	604611.320	754.031	1208.747	27.
σ		M 5930.061	255.564	122.639	11.217	13655.423	52.004	49.335	11.
%RSD		M 3.228	12.509	5.812	3.317	2.259	6.897	4.082	41.

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	13
1	16:45:06	28.000	44.000	1090.065	789821.620	353.607	263.604	19532.962	34736.
2	16:46:10	10.000	44.000	1092.066	804470.310	315.805	212.202	20088.170	35716.
3	16:47:13	24.000	32.000	1122.069	827882.740	305.605	218.803	20068.126	35882.
x		20.667	40.000	1101.400	807391.550	325.006	231.536	19896.419	35444.
σ		9.452	6.928	17.928	19197.983	25.289	27.967	314.923	619.
%RSD		45.734	17.321	1.628	2.378	7.781	12.079	1.583	1.

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	23
1	16:45:06	1406.109	1578.137	50.000	114.001	1652.150	1349595.300	0.000	490.
2	16:46:10	1336.098	1596.140	60.000	112.001	1682.156	1337228.000	0.000	432.
3	16:47:13	1494.123	1518.127	32.000	82.000	1870.192	1319444.900	0.000	422.
x		1412.110	1564.135	47.333	102.667	1734.833	1335422.700	0.000	448.
σ		79.183	40.848	14.189	17.926	118.181	15156.025	0.000	36.
%RSD		5.607	2.612	29.977	17.460	6.812	1.135	0.000	8.

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	2
1	16:52:41	649012.490	39063.749	21.000	2588.368	T 47476654.000	T 11862655.000	1603414.200	1906019
2	16:53:45	660080.320	40252.920	38.000	2738.412	T 48756396.000	T 12224661.000	1613778.600	T 1903185
3	16:54:48	655214.540	39493.600	31.000	2576.365	T 50028310.000	T 12578352.000	1699176.100	2026300
x		654769.110	39603.423	30.000	2634.382	T 48753787.000	T 12221889.000	1638789.600	T 1945168
σ		5547.342	602.144	8.544	90.293	T 1275829.600	T 357856.630	52552.330	T 70276
%RSD		0.847	1.520	28.480	3.427	T 2.617	T 2.928	3.207	T 3
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**5**
1	16:52:41	T 13006484.000	1052317.200	TM 110226050.000	TM 17398839.000	543197.730	26041.245	25798.554	34328
2	16:53:45	T 13496998.000	1078629.800	TM 113326550.000	TM 17952199.000	559052.930	27084.286	21433.236	34678
3	16:54:48	T 13724407.000	1060100.400	TM 115060990.000	TM 18505341.000	572227.960	27826.522	19262.386	35360
x		T 13409296.000	1063682.500	TM 112871200.000	TM 17952127.000	558159.540	26984.018	22164.725	34789
σ		T 366908.540	13517.050	TM 2449421.300	TM 553251.170	14535.718	896.852	3328.916	524
%RSD		T 2.736	1.271	TM 2.170	TM 3.082	2.604	3.324	15.019	1
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**6**
1	16:52:41	83919.557	196836.120	1379593.600	816.037	4060.907	1020.057	5325.559	M 351999
2	16:53:45	86105.860	201629.470	1422157.500	882.043	4154.949	1058.062	5503.666	M 362310
3	16:54:48	87674.748	202792.920	1446960.500	900.045	4415.072	1104.067	5409.609	M 365502
x		85900.055	200419.510	1416237.200	866.041	4210.309	1060.729	5412.945	M 359937
σ		1886.036	3157.353	34071.446	44.231	183.458	42.068	89.100	M 7057
%RSD		2.196	1.575	2.406	5.107	4.357	3.966	1.646	M 1
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**10**
1	16:52:41	M 245930.090	2308.693	2058.433	319.206	595817.380	1042.060	1772.173	24
2	16:53:45	M 252385.450	2048.631	2116.646	356.607	609629.520	1086.065	1818.182	28
3	16:54:48	M 255371.110	1902.999	2155.856	362.807	617768.320	1064.062	1750.169	30
x		M 251228.880	2086.774	2110.312	346.207	607738.410	1064.062	1780.174	27
σ		M 4825.602	205.519	49.019	23.588	11096.991	22.003	34.706	3
%RSD		M 1.921	9.849	2.323	6.813	1.826	2.068	1.950	1
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**13**
1	16:52:41	28.000	36.000	1192.078	801971.330	313.205	228.803	20577.262	3647
2	16:53:45	14.000	44.000	1116.069	803737.550	280.804	206.402	21272.860	3706
3	16:54:48	24.000	24.000	1174.076	824936.090	295.605	211.402	21098.455	3753
x		22.000	34.667	1160.741	810214.990	296.538	215.536	20982.859	3702
σ		7.211	10.066	39.721	12779.397	16.221	11.758	361.920	534
%RSD		32.778	29.038	3.422	1.577	5.470	5.455	1.725	1
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**23**
1	16:52:41	1392.107	1660.152	22.000	92.000	2168.258	1350883.200	2.000	426
2	16:53:45	1376.104	1568.135	42.000	64.000	2008.222	1335536.300	0.000	426
3	16:54:48	1394.107	1584.138	46.000	98.001	2038.228	1318446.400	0.000	358
x		1387.439	1604.142	36.667	84.667	2071.570	1334955.300	0.667	403
σ		9.867	49.162	12.858	18.148	85.069	16226.182	1.155	39
%RSD		0.711	3.065	35.068	21.434	4.106	1.215	173.205	9

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	17:00:17	667200.990	41084.628	25.000	2396.316	T 22280203.000	T 7463770.000	993333.850	1176034.900
2	17:01:20	672597.730	40618.540	14.000	2322.297	T 22650700.000	T 7630116.000	1015939.200	1215626.600
3	17:02:24	684610.630	40980.158	25.000	2258.280	T 23119494.000	T 7807484.800	1042550.200	1231355.500
x		674803.120	40894.442	21.333	2325.631	T 22683466.000	T 7633790.300	1017274.400	1207672.300
σ		8911.884	244.581	6.351	69.078	T 420603.670	T 171886.890	24635.319	28505.182
%RSD		1.321	0.598	29.770	2.970	T 1.854	T 2.252	2.422	2.360
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**
1	17:00:17	T 3825852.300	1046184.300	TM 129898460.000	1443758.300	554137.240	7489.083	24978.268	10311.845
2	17:01:20	T 3917200.000	1053774.400	TM 132519380.000	1478142.800	562419.350	7963.486	23392.057	10371.913
3	17:02:24	T 3955089.500	1059950.300	TM 134528180.000	1497397.400	565510.550	7753.305	22387.532	10614.193
x		T 3899380.600	1053303.000	TM 132315340.000	1473099.500	560689.040	7735.292	23585.952	10432.650
σ		T 66435.789	6895.127	TM 2321593.500	27172.883	5880.772	237.714	1306.206	160.063
%RSD		T 1.704	0.655	TM 1.755	1.845	1.049	3.073	5.538	1.534
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**

1	17:00:17	29349.300	14697.872	380914.510	162.001	976.052	622.021	3288.595	92391.113
2	17:01:20	29246.971	14665.820	385881.550	156.001	954.050	638.022	3116.534	93712.535
3	17:02:24	30448.907	15216.725	396218.240	178.002	942.049	670.025	3054.513	93720.618
x		29681.726	14860.139	387671.430	165.335	957.384	643.356	3153.214	93274.755
σ		666.366	309.228	7807.291	11.373	17.245	24.442	121.275	765.268
%RSD		2.245	2.081	2.014	6.879	1.801	3.799	3.846	0.820

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	17:00:17	64401.309	2047.430	2023.625	301.805	609881.610	270.004	434.010	18.000
2	17:01:20	65474.937	1851.789	2094.241	339.006	614087.030	240.003	364.007	14.000
3	17:02:24	66897.236	1704.560	2150.654	369.007	615886.880	246.003	358.007	8.000
x		65591.161	1867.926	2089.507	336.606	613285.170	252.004	385.342	13.333
σ		1252.016	172.004	63.647	33.665	3081.891	15.875	42.255	5.033
%RSD		1.909	9.208	3.046	10.001	0.503	6.299	10.966	37.749

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	17:00:17	12.000	24.000	1538.130	806363.520	271.404	210.202	1408.109	2494.342
2	17:01:20	16.000	24.000	1350.100	811883.900	274.204	191.402	1502.124	2420.322
3	17:02:24	10.000	14.000	1386.106	825583.050	237.203	189.002	1540.130	2542.355
x		12.667	20.667	1424.779	814610.150	260.937	196.869	1483.455	2485.673
σ		3.055	5.774	99.802	9895.554	20.602	11.609	67.962	61.477
%RSD		24.119	27.936	7.005	1.215	7.895	5.897	4.581	2.473

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	17:00:17	878.042	1052.061	52.000	94.000	734.030	1352970.100	0.000	294.005
2	17:01:20	864.041	1036.059	40.000	116.001	780.033	1361835.000	0.000	272.004
3	17:02:24	846.039	1002.055	40.000	94.000	742.030	1358586.500	2.000	274.004
x		862.708	1030.058	44.000	101.334	752.031	1357797.200	0.667	280.004
σ		16.043	25.537	6.928	12.702	24.578	4484.860	1.155	12.166
%RSD		1.860	2.479	15.746	12.535	3.268	0.330	173.205	4.345

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27
1	17:07:53	703696.560	42024.911	12.000	2038.228	T 6708925.800	1545682.800	197723.060	231986.690	21318.9
2	17:08:56	710893.440	43322.983	15.000	1912.201	T 6766035.600	1560935.300	198082.770	233636.130	21387.1
3	17:10:00	715939.270	43170.259	20.000	1904.199	T 6789282.900	1577978.200	202919.710	239169.260	21898.3
x		710176.430	42839.384	15.667	1951.543	T 6754748.100	1561532.100	199575.180	234930.690	21534.8
σ		6152.769	709.476	4.041	75.178	T 41350.576	16155.953	2902.025	3762.213	316.6
%RSD		0.866	1.656	25.797	3.852	T 0.612	1.035	1.454	1.601	1.4
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl**
1	17:07:53	779718.880	1073386.200	T 28227304.000	281285.380	567432.960	1484.121	29066.393	3790.790	9298.7
2	17:08:56	791598.650	1056967.100	T 28495728.000	286710.990	569215.380	1678.155	25449.573	4014.886	8143.6
3	17:10:00	799651.740	1018510.400	T 28574023.000	288390.890	576689.040	1682.156	23285.784	3818.802	7929.4
x		790323.090	1049621.200	T 28432352.000	285462.420	571112.460	1614.811	25933.917	3874.826	8457.2
σ		10027.464	28165.736	T 181840.180	3713.657	4911.000	113.198	2920.582	122.102	736.5
%RSD		1.269	2.683	T 0.640	1.301	0.860	7.010	11.262	3.151	8.7
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67**
1	17:07:53	16665.261	4208.974	295598.950	104.001	448.011	558.017	1468.119	21427.222	3210.5
2	17:08:56	17148.158	4230.984	299642.130	122.001	494.013	594.019	1462.118	21178.641	3192.5
3	17:10:00	17270.389	4347.039	303430.740	116.001	476.012	552.017	1438.114	21770.035	3228.5
x		17027.936	4262.333	299557.270	114.001	472.679	568.018	1456.117	21458.633	3210.5
σ		319.976	74.179	3916.586	9.165	23.182	22.717	15.877	296.946	18.0
%RSD		1.879	1.740	1.307	8.040	4.904	3.999	1.090	1.384	0.5
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo**
1	17:07:53	14864.142	1981.416	1851.989	231.603	609791.880	194.002	288.005	10.000	10.0
2	17:08:56	15328.913	1846.187	1883.595	222.803	620971.920	182.002	286.005	8.000	10.0
3	17:10:00	15096.524	1649.350	1890.597	219.003	618606.540	176.002	310.005	8.000	6.0
x		15096.526	1825.651	1875.393	224.469	616456.780	184.002	294.671	8.667	8.6
σ		232.385	166.983	20.569	6.463	5891.895	9.165	13.317	1.155	2.3
%RSD		1.539	9.146	1.097	2.879	0.956	4.981	4.519	13.323	26.6
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159**
1	17:07:53	6.000	20.000	232.003	824166.790	188.402	133.801	342.006	604.020	745217.5
2	17:08:56	8.000	18.000	246.003	833021.890	174.602	138.601	360.007	648.023	753699.8
3	17:10:00	8.000	22.000	256.004	830677.220	172.202	127.801	338.006	628.022	746366.3
x		7.333	20.000	244.670	829288.630	178.402	133.401	346.673	626.688	748427.9
σ		1.155	2.000	12.056	4587.954	8.743	5.411	11.719	22.032	4601.6
%RSD		15.746	10.000	4.927	0.553	4.901	4.056	3.381	3.516	0.6
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**23**
1	17:07:53	378.008	490.013	14.000	22.000	380.008	1350287.700	2.000	110.001	24.0
2	17:08:56	368.007	426.010	20.000	54.000	386.008	1379010.200	0.000	106.001	14.0
3	17:10:00	344.007	494.013	10.000	40.000	388.008	1351478.700	0.000	110.001	16.0
x		363.341	470.012	14.667	38.667	384.675	1360258.900	0.667	108.667	18.0
σ		17.474	38.159	5.033	16.042	4.164	16250.063	1.155	2.309	5.2
%RSD		4.809	8.119	34.317	41.487	1.082	1.195	173.205	2.125	29.3

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26M
1	17:15:29	655897.230	38770.497	4012.885	78356.234	T 35838202.000	T 17278605.000	T 2288758.500	T 2679309.70
2	17:16:32	655403.450	39614.123	3934.851	79713.962	T 36099947.000	T 17273751.000	T 2272934.400	T 2675943.40
3	17:17:36	656064.690	39581.983	3932.851	80111.433	T 37030130.000	T 17675945.000	T 2320867.200	T 2738399.00
x		655788.450	39322.201	3960.196	79393.876	T 36322760.000	T 17409433.000	T 2294186.700	T 2697884.00
σ		343.775	478.060	45.642	920.338	T 626424.110	T 230818.340	T 24423.108	T 35127.32
%RSD		0.052	1.216	1.153	1.159	T 1.725	T 1.326	T 1.065	T 1.30
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52C**
1	17:15:29	T 3501734.200	1063001.700	TM 132597580.000	1851535.900	509753.940	7196.848	132533.080	85011.63
2	17:16:32	T 3490753.000	1038729.700	TM 133930640.000	1869899.200	517510.270	7134.799	134836.590	85702.07
3	17:17:36	T 3553816.100	1029820.500	TM 135668900.000	1863474.600	517218.340	7397.008	134063.280	87000.31
x		T 3515434.400	1043850.600	TM 134065710.000	1861636.600	514827.520	7242.885	133810.980	85904.67
σ		T 33689.967	17173.104	TM 1540107.800	9318.642	4396.273	137.033	1172.293	1009.70
%RSD		T 0.958	1.645	TM 1.149	0.501	0.854	1.892	0.876	1.17
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Z**

1	17:15:29	320191.150	132232.760	T 5839807.400	214355.710	18444.692	3240.577	24928.131	107414.86
2	17:16:32	325382.690	133273.800	T 5825514.300	211409.920	18234.269	3198.563	24645.361	106338.31
3	17:17:36	328628.360	136923.430	T 5918960.500	214585.030	18422.648	3392.633	24541.080	108434.86
x		324734.060	134143.330	T 5861427.400	213450.220	18367.203	3277.258	24704.857	107396.01
σ		4255.839	2463.265	T 50335.052	1770.666	115.651	102.102	200.267	1048.40
%RSD		1.311	1.836	T 0.859	0.830	0.630	3.115	0.811	0.97

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107A
1	17:15:29	76665.914	11760.802	3392.033	979.853	566731.150	150633.720	253238.690	49631.11
2	17:16:32	76573.137	11570.959	3447.654	988.854	563762.850	149814.350	249937.180	49488.33
3	17:17:36	77904.376	11487.654	3493.671	1007.256	566794.950	150702.860	252492.350	49665.29
x		77047.809	11606.472	3444.452	991.987	565762.980	150383.640	251889.410	49594.91
σ		743.258	139.994	50.895	13.968	1732.458	494.233	1731.370	93.86
%RSD		0.965	1.206	1.478	1.408	0.306	0.329	0.687	0.18

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137B
1	17:15:29	47704.839	12394.443	31626.919	767979.990	102085.380	80093.072	239189.790	426461.58
2	17:16:32	48800.632	12664.816	31337.921	769835.500	105537.670	82369.477	239124.090	424647.55
3	17:17:36	48941.386	12686.846	31498.474	778709.640	106215.900	82811.667	239489.530	429881.12
x		48482.285	12582.035	31487.771	772175.040	104612.980	81758.072	239267.800	426996.75
σ		676.957	162.832	144.796	5734.669	2215.079	1458.785	194.808	2657.51
%RSD		1.396	1.294	0.460	0.743	2.117	1.784	0.081	0.62

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232T
1	17:15:29	67969.143	79485.979	67975.188	164452.110	116767.120	1311542.600	0.000	252638.33
2	17:16:32	67914.739	80434.265	68347.967	166486.650	117745.620	1291153.900	0.000	247284.09
3	17:17:36	67537.947	79314.491	69099.617	165555.880	116955.510	1309174.900	0.000	253304.48
x		67807.276	79744.911	68474.257	165498.210	117156.080	1303957.100	0.000	251075.63
σ		234.827	603.124	572.754	1018.491	519.169	11150.961	0.000	3300.42
%RSD		0.346	0.756	0.836	0.615	0.443	0.855	0.000	1.31

CCV 10/30/2010 05:22:01 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	17:23:04	699084.300	41727.546	4431.080	86455.152	T 20337834.000	T 11814112.000	1600894.700	1900444.800	11
2	17:24:08	693797.410	41092.664	4547.137	86584.373	T 20359197.000	T 11873731.000	1605593.300	1908690.300	11
3	17:25:11	695457.330	41775.767	4489.108	87070.987	T 20288208.000	T 11888509.000	1606668.800	1902504.300	11
x		696113.010	41531.992	4489.108	86703.504	T 20328413.000	T 11858784.000	1604385.600	1903879.800	11
σ		2703.742	381.233	58.029	324.742	T 36420.202	T 39386.206	3070.685	4291.407	
%RSD		0.388	0.918	1.293	0.375	T 0.179	T 0.332	0.191	0.225	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	17:23:04	11559.344	1071396.700	T 18872212.000	586644.720	534038.250	258.004	134996.940	87981.693	
2	17:24:08	10055.558	995785.570	T 18760649.000	583708.460	533139.740	234.003	127795.980	87311.275	
3	17:25:11	9508.970	1058881.900	T 18782555.000	586883.410	534343.420	248.003	124729.830	87957.460	
x		10374.624	1042021.400	T 18805139.000	585745.530	533840.470	246.670	129174.250	87750.143	
σ		1061.772	40527.397	T 59110.803	1768.185	625.736	12.056	5270.494	380.263	
%RSD		10.234	3.889	T 0.314	0.302	0.117	4.887	4.080	0.433	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	17:23:04	348978.070	134325.100	T 6448821.500	238066.880	20176.365	3512.679	25802.566	25816.605	
2	17:24:08	347993.380	134388.020	T 6498121.100	240039.760	20272.579	3504.675	25740.390	26219.757	
3	17:25:11	348585.430	134459.060	T 6532840.300	240762.500	19937.840	3332.611	25718.327	26456.441	
x		348518.960	134390.730	T 6493261.000	239623.050	20128.928	3449.988	25753.761	26164.268	
σ		495.698	67.020	T 42219.744	1395.284	172.338	101.731	43.682	323.507	
%RSD		0.142	0.050	T 0.650	0.582	0.856	2.949	0.170	1.236	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	
1	17:23:04	20360.775	12109.660	3491.670	967.652	580807.200	162513.720	272056.810	53849.013	
2	17:24:08	20336.722	11886.165	3502.074	956.250	585562.160	164985.650	274562.470	55734.325	
3	17:25:11	20412.892	11693.516	3492.871	971.052	581701.770	165097.660	275652.730	55838.964	
x		20370.130	11896.447	3495.539	964.985	582690.380	164199.010	274090.670	55140.768	
σ		38.937	208.263	5.692	7.753	2526.939	1460.578	1843.805	1119.915	
%RSD		0.191	1.751	0.163	0.803	0.434	0.890	0.673	2.031	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	17:23:04	53255.533	13814.488	33595.963	785380.490	90240.270	70476.930	261160.130	464154.190	73
2	17:24:08	53665.936	13708.328	34029.572	785219.420	102642.600	79802.736	261322.710	462604.100	73
3	17:25:11	54331.874	14088.909	33740.497	788053.620	108357.140	83880.600	259538.680	462940.600	73
x		53751.114	13870.575	33788.677	786217.840	100413.340	78053.422	260673.840	463232.960	7
σ		543.202	196.392	220.783	1591.869	9261.884	6870.929	986.434	815.354	
%RSD		1.011	1.416	0.653	0.202	9.224	8.803	0.378	0.176	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	17:23:04	67296.164	78683.039	73489.846	177055.550	126165.440	1331702.100	0.000	222432.300	2
2	17:24:08	67447.278	79657.470	72923.311	174427.470	127351.810	1326400.500	0.000	239852.920	2
3	17:25:11	68718.747	80714.734	73106.776	175826.030	124839.320	1329919.200	0.000	250890.920	2
x		67820.729	79685.081	73173.311	175769.680	126118.860	1329340.600	0.000	237725.380	2
σ		781.367	1016.129	289.068	1314.945	1256.893	2697.790	0.000	14348.105	
%RSD		1.152	1.275	0.395	0.748	0.997	0.203	0.000	6.036	

CCB 10/30/2010 05:29:37 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	17:30:41	704671.940	42483.033	35.000	3284.593	2598328.300	33696.334	4188.965	5169.469	21335.006
2	17:31:44	712469.970	42856.781	30.000	3016.500	2606707.300	35840.511	4777.255	5437.626	21756.002
3	17:32:48	710215.400	42639.764	28.000	2784.426	2590927.200	31207.473	4160.952	4533.130	21014.260
x		709119.110	42659.859	31.000	3028.507	2598654.300	33581.439	4375.724	5046.742	21368.422
σ		4012.943	187.683	3.606	250.300	7895.101	2318.655	348.018	464.569	371.998
%RSD		0.566	0.440	11.631	8.265	0.304	6.905	7.953	9.205	1.741

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	17:30:41	5211.493	1068425.700	2304861.200	5317.555	529148.380	136.001	42018.883	2358.306	13225.613
2	17:31:44	5443.629	1107100.800	T 2263395.300	5633.745	528640.050	140.001	35854.566	2362.307	11254.963
3	17:32:48	4905.323	1097309.500	2240189.200	5561.701	523973.160	128.001	30830.189	2258.280	9867.352
x		5186.815	1090945.300	T 2269481.900	5504.333	527253.860	134.668	36234.546	2326.298	11449.309
σ		270.000	20107.674	T 32762.819	165.718	2852.518	6.110	5604.017	58.939	1687.545
%RSD		5.206	1.843	T 1.444	3.011	0.541	4.537	15.466	2.534	14.739

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	17:30:41	13820.497	1002.055	342890.880	382.008	406.009	500.014	928.047	348.007	152.001
2	17:31:44	13954.702	1022.057	345160.390	430.010	340.006	560.017	912.046	384.008	128.001
3	17:32:48	13724.352	994.054	339146.270	300.005	376.008	530.015	924.047	388.008	80.000
x		13833.184	1006.056	342399.180	370.674	374.008	530.015	921.380	373.341	120.001
σ		115.698	14.424	3037.061	65.739	33.047	30.002	8.328	22.031	36.661
%RSD		0.836	1.434	0.887	17.735	8.836	5.661	0.904	5.901	30.551

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	17:30:41	266.004	2264.282	1594.140	175.802	577468.240	1046.060	1748.168	68.000	8.000
2	17:31:44	314.005	1867.792	1647.149	173.002	584334.840	962.051	1536.130	98.001	6.000
3	17:32:48	254.004	1659.351	1621.745	177.402	579448.470	790.034	1354.101	92.000	4.000
x		278.004	1930.475	1621.011	175.402	580417.190	932.715	1546.133	86.000	6.000
σ		31.750	307.298	26.512	2.227	3534.312	130.510	197.224	15.875	2.000
%RSD		11.421	15.918	1.636	1.270	0.609	13.992	12.756	18.459	33.333

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	17:30:41	80.000	32.000	88.000	780863.120	4569.948	3555.295	404.009	758.032	722994.130
2	17:31:44	90.000	22.000	74.000	780919.680	3571.101	2776.224	526.015	764.032	718856.540
3	17:32:48	78.000	16.000	52.000	779953.810	2878.856	2221.271	370.008	588.019	722479.540
x		82.667	23.333	71.334	780578.870	3673.302	2850.930	433.344	703.361	721443.400
σ		6.429	8.083	18.148	542.055	850.166	670.142	82.037	99.934	2255.012
%RSD		7.777	34.641	25.441	0.069	23.144	23.506	18.931	14.208	0.313

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	17:30:41	1124.070	1382.105	104.001	296.005	328.006	1331094.000	0.000	5161.465	404.009
2	17:31:44	994.054	1110.068	130.001	268.004	338.006	1339311.900	0.000	4172.958	442.011
3	17:32:48	858.040	996.055	86.000	262.004	338.006	1318533.900	0.000	3608.716	368.007
x		992.055	1162.743	106.667	275.338	334.673	1329646.600	0.000	4314.380	404.676
σ		133.026	198.342	22.121	18.148	5.774	10464.390	0.000	785.975	37.006
%RSD		13.409	17.058	20.738	6.591	1.725	0.787	0.000	18.218	9.145

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	17:38:19	684856.130	40811.401	24.000	2622.378	T 20814536.000	T 6602712.700	883189.930	1052241.100
2	17:39:22	698536.500	41667.271	20.000	2692.399	T 21560971.000	T 6858125.400	913121.550	1083474.300
3	17:40:26	705392.750	41743.620	20.000	2696.400	T 22067740.000	T 7106484.600	944271.500	1128132.100
x		696261.790	41407.430	21.333	2670.392	T 21481082.000	T 6855774.200	913527.660	1087949.200
σ		10455.572	517.586	2.309	41.629	T 630409.900	T 251894.160	30542.807	38142.857
%RSD		1.502	1.250	10.825	1.559	T 2.935	T 3.674	3.343	3.506

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	17:38:19	T 2798262.100	1035905.000	TM 121877040.000	154237.400	505886.630	5783.839	51067.030	8924.378
2	17:39:22	T 2894613.100	1053951.300	TM 124903360.000	158180.290	520857.550	5993.975	40520.103	8780.238
3	17:40:26	T 2993644.800	1093062.700	TM 129660210.000	162967.740	533457.600	6290.175	33413.292	9010.463
x		T 2895506.700	1060973.000	TM 125480200.000	158461.810	520067.260	6022.663	41666.808	8905.026
σ		T 97694.374	29218.618	TM 3923522.900	4371.974	13802.462	254.384	8882.557	116.326
%RSD		T 3.374	2.754	TM 3.127	2.759	2.654	4.224	21.318	1.306

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	17:38:19	26996.024	7853.391	390838.720	210.002	746.031	556.017	3282.593	109827.430
2	17:39:22	28011.088	8049.562	396487.610	186.002	748.031	606.020	3222.571	113234.850
3	17:40:26	29092.476	8217.712	399944.190	214.003	684.026	558.017	3340.614	114658.530
x		28033.196	8040.222	395756.840	203.336	726.029	573.351	3281.926	112573.600
σ		1048.401	182.340	4596.512	15.144	36.390	28.310	59.024	2482.503
%RSD		3.740	2.268	1.161	7.448	5.012	4.938	1.798	2.205

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	17:38:19	76520.698	2479.138	1763.771	296.205	562253.550	452.011	740.030	22.000
2	17:39:22	78481.306	2027.026	1885.396	310.205	571900.270	408.009	678.025	40.000
3	17:40:26	80171.963	1697.758	1981.016	340.006	581015.930	392.008	642.023	20.000
x		78391.323	2067.974	1876.728	315.472	571723.250	417.343	686.693	27.333
σ		1827.295	392.296	108.881	22.371	9382.441	31.071	49.575	11.015
%RSD		2.331	18.970	5.802	7.091	1.641	7.445	7.219	40.299

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	17:38:19	26.000	12.000	1066.063	756108.070	2504.545	1910.401	212.002	338.006
2	17:39:22	16.000	12.000	1102.067	764830.350	1704.960	1294.492	256.004	402.009
3	17:40:26	16.000	18.000	1134.071	786965.120	1315.095	1020.457	212.002	372.008
x		19.333	14.000	1100.733	769301.180	1841.533	1408.450	226.670	370.674
σ		5.774	3.464	34.024	15906.938	606.372	455.785	25.404	32.022
%RSD		29.863	24.744	3.091	2.068	32.928	32.361	11.208	8.639

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	17:38:19	1544.131	1934.206	84.000	182.002	496.014	1314094.700	0.000	5351.575
2	17:39:22	1340.099	1654.151	50.000	180.002	454.011	1338468.200	0.000	2776.424
3	17:40:26	1228.083	1486.122	60.000	154.001	454.011	1322533.100	0.000	1956.210
x		1370.771	1691.493	64.667	172.002	468.012	1325032.000	0.000	3361.403
σ		160.241	226.364	17.474	15.621	24.250	12377.383	0.000	1771.659
%RSD		11.690	13.383	27.021	9.082	5.181	0.934	0.000	52.706

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	17:45:55	693236.990	41148.918	3717.760	72929.359	T 35832629.000	T 16130649.000	T 2132577.100	T 2508610.500
2	17:46:59	685825.250	41534.666	3755.776	74133.036	T 36227966.000	T 16493593.000	T 2161542.800	T 2530861.400
3	17:48:02	682599.520	40574.344	3529.685	74304.427	T 36764325.000	T 16620877.000	T 2197282.400	T 2572133.500
x		687220.590	41085.976	3667.740	73788.941	T 36274974.000	T 16415040.000	T 2163800.800	T 2537201.800
σ		5454.276	483.245	121.061	749.336	T 467623.460	T 254379.430	T 32411.668	T 32232.647
%RSD		0.794	1.176	3.301	1.016	T 1.289	T 1.550	T 1.498	T 1.270

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	17:45:55	T 2866271.200	1010520.200	TM 134817690.000	660303.700	518682.320	6021.994	131068.070	78561.999
2	17:46:59	T 2898111.000	1084226.500	TM 136303640.000	668559.560	524032.430	5949.947	128933.880	77224.613
3	17:48:02	T 2914783.500	1070152.200	TM 138000270.000	675312.310	532690.520	6048.011	126078.240	78983.629
x		T 2893055.200	1054966.300	TM 136373870.000	668058.520	525135.090	6006.650	128693.400	78256.747
σ		T 24648.174	39129.455	TM 1592451.300	7516.842	7068.900	50.801	2503.592	918.378
%RSD		T 0.852	3.709	TM 1.168	1.125	1.346	0.846	1.945	1.174

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	17:45:55	299995.510	117834.760	T 5387494.500	197927.440	16681.291	2840.444	23480.284	M 139719.50(
2	17:46:59	303199.200	119376.680	T 5532892.900	198526.280	16781.475	2924.470	23664.761	M 141360.58(
3	17:48:02	305965.610	121186.390	T 5538856.800	198317.810	16549.049	2882.457	23472.263	M 141411.36(
x		303053.440	119465.940	T 5486414.700	198257.180	16670.605	2882.457	23539.103	M 140830.48(
σ		2987.721	1677.597	T 85719.311	303.993	116.581	42.013	108.897	M 962.47
%RSD		0.986	1.404	T 1.562	0.153	0.699	1.458	0.463	M 0.68

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	17:45:55	98314.759	10985.834	3481.066	973.252	571427.910	138840.180	232230.800	45768.92
2	17:46:59	99378.229	10809.222	3534.287	988.454	570164.150	139798.700	233022.690	46786.08
3	17:48:02	99616.819	10813.227	3706.956	1046.860	580172.540	141980.120	235150.430	46253.36
x		99103.269	10869.428	3574.103	1002.855	573921.530	140206.330	233467.970	46269.45
σ		693.211	100.831	118.091	38.860	5450.281	1609.170	1509.891	508.77
%RSD		0.699	0.928	3.304	3.875	0.950	1.148	0.647	1.10

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	17:45:55	45274.458	11295.012	29000.182	771952.190	99874.422	77550.368	219639.620	391212.28(
2	17:46:59	44510.700	11785.635	29345.287	776913.270	99664.133	77812.998	219412.220	390556.99(
3	17:48:02	45192.049	11805.661	29170.726	781720.290	100181.370	78352.200	220110.810	394756.67(
x		44992.402	11628.769	29172.065	776861.920	99906.643	77905.189	219720.880	392175.32(
σ		419.196	289.215	172.556	4884.253	260.120	408.788	356.313	2259.40
%RSD		0.932	2.487	0.592	0.629	0.260	0.525	0.162	0.57

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	17:45:55	63936.042	75076.734	62711.557	152964.160	107394.620	1313979.700	0.000	222647.47(
2	17:46:59	63678.242	74266.116	62631.005	149639.510	108015.920	1309790.900	2.000	226191.36(
3	17:48:02	63672.200	73715.663	62937.108	150009.530	107034.410	1290337.200	0.000	225166.38(
x		63762.161	74352.838	62759.890	150871.060	107481.650	1304702.600	0.667	224668.41(
σ		150.615	684.667	158.672	1822.088	496.507	12615.896	1.155	1823.67
%RSD		0.236	0.921	0.253	1.208	0.462	0.967	173.205	0.81

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	17:53:32	709960.600	42491.070	24.000	3350.617	T 22684404.000	T 7115951.700	942023.220	1120032.300
2	17:54:36	710841.610	43724.900	31.000	3182.557	T 23098450.000	T 7227117.300	960942.060	1138781.200
3	17:55:39	716475.120	43443.556	25.000	2888.459	T 23293026.000	T 7336968.800	975176.870	1170586.300
x		712425.780	43219.842	26.667	3140.544	T 23025293.000	T 7226679.300	959380.720	1143133.300
σ		3534.390	646.622	3.786	233.926	T 310836.340	T 110509.160	16631.884	25556.431
%RSD		0.496	1.496	14.197	7.449	T 1.350	T 1.529	1.734	2.236

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	17:53:32	T 3241009.000	1106997.300	TM 123414070.000	719154.800	548311.430	6680.454	49490.346	13457.954
2	17:54:36	T 3282367.800	1090311.900	TM 125019800.000	728453.150	558899.940	6830.565	40403.586	13407.880
3	17:55:39	T 3316530.000	1050900.600	TM 125453780.000	738371.370	568849.510	6908.624	34886.812	14120.959
x		T 3279968.900	1082736.600	TM 124629220.000	728659.780	558686.960	6806.548	41593.581	13662.264
σ		T 37817.602	28805.369	TM 1074485.200	9609.949	10270.693	115.966	7374.135	398.029
%RSD		T 1.153	2.660	TM 0.862	1.319	1.838	1.704	17.729	2.913

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	17:53:32	37770.300	15801.721	535674.420	452.011	1228.083	636.022	3440.651	M 181173.500 M
2	17:54:36	38963.319	16006.078	543129.850	334.006	1244.085	604.020	3202.564	M 182018.120 M
3	17:55:39	38768.489	16537.027	543017.420	320.006	1204.080	664.024	3494.672	M 184930.010 M
x		38500.703	16114.942	540607.230	368.674	1225.416	634.689	3379.296	M 182707.210 M
σ		640.004	379.549	4272.308	72.511	20.136	30.024	155.419	M 1970.782
%RSD		1.662	2.355	0.790	19.668	1.643	4.731	4.599	M 1.079

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	17:53:32	M 125924.130	2476.337	2069.436	347.407	598778.770	484.013	856.040	40.000
2	17:54:36	M 128045.450	2142.653	2140.452	363.407	611129.360	474.012	694.026	56.000
3	17:55:39	M 128489.660	1822.583	2215.070	364.807	617699.900	440.011	684.026	48.000
x		M 127486.410	2147.191	2141.652	358.540	609202.680	466.012	744.698	48.000
σ		M 1371.085	326.901	72.825	9.668	9606.582	23.066	96.555	8.000
%RSD		M 1.075	15.225	3.400	2.696	1.577	4.950	12.966	16.667

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	17:53:32	44.000	32.000	1582.138	801853.590	710.028	532.216	1094.066	2008.222 7
2	17:54:36	40.000	12.000	1494.123	809282.590	570.218	449.211	1092.066	1844.187 7
3	17:55:39	18.000	28.000	1578.137	820989.710	534.016	414.209	1078.064	1938.207 7
x		34.000	24.000	1551.466	810708.630	604.754	465.212	1088.065	1930.205 7
σ		14.000	10.583	49.701	9647.434	92.949	60.608	8.719	82.310
%RSD		41.177	44.096	3.203	1.190	15.370	13.028	0.801	4.264

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	17:53:32	1178.076	1440.114	84.000	188.002	824.037	1336444.300	0.000	2038.228
2	17:54:36	1166.075	1206.080	84.000	184.002	796.035	1320346.900	0.000	1304.093
3	17:55:39	1062.062	1310.094	64.000	158.001	798.035	1311652.900	0.000	972.052
x		1135.404	1318.763	77.334	176.668	806.036	1322814.700	0.000	1438.125
σ		63.799	117.258	11.547	16.289	15.622	12578.601	0.000	545.579
%RSD		5.619	8.891	14.932	9.220	1.938	0.951	0.000	37.937

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	18:01:09	757279.830	45389.027	30.000	2742.414	2354633.600	17270.389	2436.326	2620.378	12134.093
2	18:02:12	757527.230	45594.049	24.000	2746.415	2347175.500	16262.533	2100.243	2496.343	11947.846
3	18:03:15	760492.080	44958.897	22.000	2556.359	2320453.700	16372.730	2236.275	2624.379	12023.946
x		758433.050	45313.991	25.333	2681.729	2340754.300	16635.217	2257.615	2580.366	12035.295
σ		1787.463	324.156	4.163	108.592	17971.936	552.827	169.055	72.794	93.640
%RSD		0.236	0.715	16.434	4.049	0.768	3.323	7.488	2.821	0.778

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	18:01:09	10335.872	1051569.700	T 2710587.100	5793.846	587693.300	188.002	46623.249	4024.891	14745.950
2	18:02:12	10121.631	1053237.200	T 2675257.700	5865.892	584812.110	166.002	39282.689	3946.857	12676.832
3	18:03:15	10063.567	1049620.600	T 2640898.000	5669.767	582477.130	186.002	34559.565	4002.881	11066.732
x		10173.690	1051475.800	T 2675580.900	5776.502	584994.180	180.002	40155.168	3991.543	12829.838
σ		143.423	1810.133	T 34845.664	99.206	2612.849	12.166	6078.983	40.234	1844.375
%RSD		1.410	0.172	T 1.302	1.717	0.447	6.759	15.139	1.008	14.376

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	18:01:09	39009.517	3992.877	560814.620	112.001	396.009	492.013	916.046	1600.141	296.005
2	18:02:12	39057.723	3866.822	565314.920	112.001	444.011	580.019	908.045	1604.142	292.005
3	18:03:15	38414.993	3792.791	565525.430	148.001	358.007	486.013	904.045	1556.133	294.005
x		38827.411	3884.163	563884.990	124.001	399.342	519.348	909.379	1586.805	294.005
σ		357.977	101.164	2661.101	20.785	43.099	52.628	6.111	26.638	2.000
%RSD		0.922	2.605	0.472	16.762	10.792	10.133	0.672	1.679	0.680

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	18:01:09	1080.064	2399.917	1921.803	213.603	627211.160	152.001	306.005	14.000	0.000
2	18:02:12	1102.067	2030.627	1855.189	213.003	627202.600	212.002	266.004	38.000	0.000
3	18:03:15	1088.065	1758.170	1874.193	210.602	627986.000	158.001	270.004	26.000	0.000
x		1090.065	2062.905	1883.728	212.402	627466.590	174.002	280.671	26.000	0.000
σ		11.137	322.089	34.315	1.587	449.849	33.046	22.031	12.000	0.000
%RSD		1.022	15.613	1.822	0.747	0.072	18.992	7.849	46.154	0.000

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	18:01:09	20.000	14.000	1342.099	841136.460	354.007	260.004	116.001	228.003	751092.810
2	18:02:12	22.000	20.000	1470.119	848477.930	338.606	248.803	114.001	192.002	758304.160
3	18:03:15	16.000	12.000	1434.113	839065.580	310.205	251.603	146.001	210.002	762806.450
x		19.333	15.333	1415.444	842893.330	334.273	253.470	125.334	210.002	757401.140
σ		3.055	4.163	66.020	4946.009	22.220	5.829	17.926	18.000	5908.798
%RSD		15.802	27.152	4.664	0.587	6.647	2.300	14.303	8.572	0.780

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	18:01:09	764.032	926.047	22.000	60.000	160.001	1348949.100	0.000	502.014	56.000
2	18:02:12	758.032	940.049	14.000	46.000	162.001	1350947.800	0.000	438.011	66.000
3	18:03:15	768.032	870.042	18.000	50.000	134.001	1364936.600	0.000	458.012	76.000
x		763.365	912.046	18.000	52.000	152.001	1354944.500	0.000	466.012	66.000
σ		5.034	37.044	4.000	7.211	15.621	8710.926	0.000	32.743	10.000
%RSD		0.659	4.062	22.222	13.868	10.277	0.643	0.000	7.026	15.152

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	18:08:43	761686.100	45610.129	25.000	2542.355	2282834.500	11373.110	1496.123	1732.165	12632.771
2	18:09:47	764508.930	44942.818	17.000	2488.340	2266398.500	11182.874	1404.108	1548.132	12754.942
3	18:10:50	763006.210	44894.581	23.000	2356.305	2258822.400	11206.903	1396.107	1560.134	12881.119
x		763067.080	45149.176	21.667	2462.334	2269351.800	11254.296	1432.113	1613.477	12756.277
σ		1412.397	399.925	4.163	95.713	12275.412	103.595	55.579	102.962	124.179
%RSD		0.185	0.886	19.215	3.887	0.541	0.920	3.881	6.381	0.973

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	18:08:43	8313.800	1064153.500	T 2435224.300	5077.417	563137.840	158.001	46703.660	4172.958	15174.654
2	18:09:47	8299.787	1075313.200	T 2412499.600	5389.597	568577.240	168.002	38921.139	4222.981	12799.003
3	18:10:50	8453.929	1069351.700	2389045.400	5137.451	562053.740	172.002	34174.112	3982.872	11012.666
x		8355.839	1069606.100	T 2412256.400	5201.489	564589.610	166.002	39932.971	4126.270	12995.441
σ		85.237	5584.224	T 23090.424	165.649	3495.672	7.211	6325.761	126.680	2087.936
%RSD		1.020	0.522	T 0.957	3.185	0.619	4.344	15.841	3.070	16.067

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
1	18:08:43	23650.725	2312.294	286013.530	106.001	496.014	472.012	988.054	1520.127	330.006
2	18:09:47	24085.865	2312.294	288390.890	86.000	462.012	526.015	986.053	1484.121	290.005
3	18:10:50	23927.447	2232.274	289513.750	98.001	432.010	412.009	966.051	1454.116	280.004
x		23888.012	2285.621	287972.720	96.667	463.345	470.012	980.053	1486.122	300.005
σ		220.234	46.200	1787.186	10.067	32.022	57.029	12.167	33.051	26.458
%RSD		0.922	2.021	0.621	10.414	6.911	12.134	1.241	2.224	8.819

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	18:08:43	944.049	2458.733	1714.362	188.002	609338.970	164.001	244.003	22.000	0.000
2	18:09:47	1000.055	2065.835	1713.962	192.202	609193.710	162.001	240.003	10.000	4.000
3	18:10:50	1064.062	1785.775	1752.169	198.802	607980.380	144.001	204.002	18.000	0.000
x		1002.722	2103.448	1726.831	193.002	608837.690	156.668	229.336	16.667	1.333
σ		60.051	338.052	21.944	5.444	745.991	11.015	22.031	6.110	2.309
%RSD		5.989	16.071	1.271	2.821	0.123	7.031	9.606	36.661	173.205

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	18:08:43	6.000	12.000	1538.130	816097.250	306.605	217.603	76.000	164.001	761321.370
2	18:09:47	4.000	8.000	1602.141	813538.450	292.805	198.002	60.000	146.001	751977.670
3	18:10:50	14.000	12.000	1494.123	813874.640	262.404	204.202	100.001	158.001	752962.380
x		8.000	10.667	1544.798	814503.450	287.271	206.602	78.667	156.001	755420.470
σ		5.292	2.309	54.317	1390.473	22.614	10.018	20.133	9.165	5133.991
%RSD		66.144	21.651	3.516	0.171	7.872	4.849	25.593	5.875	0.680

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	18:08:43	878.042	950.050	6.000	42.000	160.001	1369935.500	0.000	382.008	42.000
2	18:09:47	810.036	958.050	16.000	44.000	176.002	1376288.300	0.000	392.008	42.000
3	18:10:50	832.038	924.047	26.000	42.000	152.001	1365204.700	0.000	334.006	28.000
x		840.039	944.049	16.000	42.667	162.668	1370476.200	0.000	369.341	37.333
σ		34.702	17.778	10.000	1.155	12.220	5561.533	0.000	31.007	8.083
%RSD		4.131	1.883	62.500	2.706	7.512	0.406	0.000	8.395	21.651

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26
1	18:16:19	714751.010	43254.659	17.000	2450.330	T 34728171.000	T 9957298.500	1336979.100	1584259.
2	18:17:22	721485.020	43897.730	24.000	2586.368	T 35719179.000	T 10234569.000	1372132.800	1635637.
3	18:18:26	726147.170	43917.827	21.000	2606.374	T 36630202.000	T 10523251.000	1416132.600	1683458.
x		720794.400	43690.072	20.667	2547.691	T 35692518.000	T 10238373.000	1375081.500	1634451.
σ		5729.383	377.213	3.512	84.908	T 951296.030	T 282995.260	39659.093	49610.
%RSD		0.795	0.863	16.993	3.333	T 2.665	T 2.764	2.884	3.

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	5
1	18:16:19	T 10104732.000	1039221.500	TM 104697800.000	TM 11863394.000	517332.570	21024.283	42714.112	48074.
2	18:17:22	T 10436161.000	1018361.000	TM 107558050.000	TM 12039746.000	530334.590	21583.591	34469.223	49331.
3	18:18:26	T 10703123.000	1038403.400	TM 109834000.000	TM 12355069.000	546308.060	21461.302	30721.823	49771.
x		T 10414672.000	1031995.300	TM 107363280.000	TM 12086070.000	531325.080	21356.392	35968.386	49059.
σ		T 299773.550	11814.728	TM 2573636.400	TM 249089.270	14513.113	294.043	6135.093	880.
%RSD		T 2.878	1.145	TM 2.397	TM 2.061	2.731	1.377	17.057	1.

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	6

1	18:16:19	161465.290	186475.100	T 2871085.600	1718.162	5189.481	1152.073	12442.509	M 402852.
2	18:17:22	166213.720	190450.240	2917777.700	1748.168	5515.673	1210.081	12965.239	M 415528.
3	18:18:26	167686.400	195091.110	T 3017430.100	1678.155	5489.657	1292.092	13011.305	M 422720.
x		165121.800	190672.150	T 2935431.100	1714.828	5398.270	1218.082	12806.351	M 413700.
σ		3251.119	4312.289	T 74752.332	35.125	181.284	70.351	315.937	M 10059.
%RSD		1.969	2.262	T 2.547	2.048	3.358	5.776	2.467	M 2.

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	10
1	18:16:19	M 281906.170	3107.331	2200.866	451.611	585634.610	888.043	1562.134	790.
2	18:17:22	M 287367.230	2596.371	2310.294	486.613	602569.340	972.052	1520.127	846.
3	18:18:26	M 295361.410	2371.109	2465.334	536.616	611979.810	948.049	1644.149	882.
x		M 288211.600	2691.604	2325.498	491.613	600061.250	936.048	1575.470	839.
σ		M 6767.243	377.237	132.888	42.722	13350.479	43.271	63.077	46.
%RSD		M 2.348	14.015	5.714	8.690	2.225	4.623	4.004	5.

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	13
1	18:16:19	880.043	1248.086	4026.892	758686.140	439.611	308.605	25337.260	45005.
2	18:17:22	824.037	1260.087	4136.941	782934.400	380.808	291.005	26500.569	46283.
3	18:18:26	846.039	1324.096	3954.860	794979.420	361.407	269.004	25399.433	46070.
x		850.040	1277.423	4039.564	778866.650	393.942	289.538	25745.754	45786.
σ		28.216	40.863	91.700	18485.410	40.722	19.841	654.428	684.
%RSD		3.319	3.199	2.270	2.373	10.337	6.853	2.542	1.

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	23
1	18:16:19	1510.125	1792.177	162.001	404.009	34810.520	1311496.600	0.000	1608.
2	18:17:22	1576.137	1764.171	132.001	370.008	34774.382	1306527.500	0.000	1572.
3	18:18:26	1420.111	1800.178	138.001	386.008	35962.993	1330928.100	0.000	1556.
x		1502.124	1785.509	144.001	386.675	35182.632	1316317.400	0.000	1578.
σ		78.320	18.907	15.875	17.011	676.054	12894.868	0.000	26.
%RSD		5.214	1.059	11.024	4.399	1.922	0.980	0.000	1.

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	18:23:54	728920.470	45075.473	22.000	36147.724	T 11748280.000	T 10960363.000	1479171.800	1749515.500
2	18:24:57	718454.560	44589.083	20.000	36376.634	T 11605320.000	T 10846851.000	1465813.100	1741044.600
3	18:26:01	714919.520	43407.384	22.000	36240.090	T 11578941.000	T 10829955.000	1467882.600	1736483.100
x		720764.850	44357.313	21.333	36254.816	T 11644180.000	T 10879057.000	1470955.800	1742347.700
σ		7280.780	857.856	1.155	115.163	T 91112.705	T 70918.795	7190.075	6613.190
%RSD		1.010	1.934	5.413	0.318	T 0.782	T 0.652	0.489	0.380
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**
1	18:23:54	847474.500	1056779.000	TM 79467109.000	TM 4289923.600	542832.880	2584.367	37840.592	15793.707
2	18:24:57	842752.330	1069414.400	TM 78958500.000	TM 4242091.500	537026.820	2388.314	34766.352	15635.434
3	18:26:01	834017.240	1064503.100	TM 78205010.000	TM 4212325.200	537281.210	2458.332	32283.220	15515.228
x		841414.690	1063565.500	TM 78876873.000	TM 4248113.400	539046.970	2477.004	34963.388	15648.123
σ		6827.622	6369.667	TM 634996.890	TM 39148.112	3281.161	99.352	2783.920	139.672
%RSD		0.811	0.599	TM 0.805	TM 0.922	0.609	4.011	7.962	0.893
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**
1	18:23:54	148456.340	M 1614942.700	2705936.800	1182.077	2276.285	760.032	11529.306	83291.824
2	18:24:57	147519.270	M 1600605.800	T 2693569.800	1232.084	2216.270	846.039	11767.611	81653.058
3	18:26:01	146580.270	M 1585183.300	2659414.700	1186.077	2306.293	774.033	11289.005	81035.569
x		147518.630	M 1600243.900	T 2686307.100	1200.079	2266.282	793.368	11528.641	81993.484
σ		938.038	M 14883.048	T 24096.426	27.789	45.837	46.149	239.304	1166.014
%RSD		0.636	M 0.930	T 0.897	2.316	2.023	5.817	2.076	1.422
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**
1	18:23:54	58568.056	2546.357	1962.212	292.405	604670.180	4537.132	7733.288	228.003
2	18:24:57	57915.898	2369.509	2101.043	363.207	602458.330	4615.171	7681.244	258.004
3	18:26:01	57603.925	2172.660	2176.060	384.008	596073.370	4543.135	7531.118	224.003
x		58029.293	2362.842	2079.772	346.540	601067.290	4565.146	7648.550	236.670
σ		491.966	186.938	108.500	48.022	4464.025	43.427	104.975	18.584
%RSD		0.848	7.912	5.217	13.858	0.743	0.951	1.372	7.852
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**
1	18:23:54	238.003	750.031	2406.318	799115.530	710.628	543.016	118398.010	209664.190
2	18:24:57	246.003	812.036	2340.301	790139.540	667.625	540.216	117927.960	205349.360
3	18:26:01	206.002	804.036	2458.332	775573.830	633.622	518.215	119182.150	209557.770
x		230.003	788.701	2401.651	788276.300	670.625	533.816	118502.710	208190.440
σ		21.167	33.727	59.154	11880.939	38.590	13.583	633.620	2461.024
%RSD		9.203	4.276	2.463	1.507	5.754	2.545	0.535	1.182
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**
1	18:23:54	1372.103	1744.167	80.000	234.003	33646.148	1329311.200	0.000	1308.094
2	18:24:57	1414.110	1582.138	114.001	226.003	33545.779	1317420.400	0.000	1216.081
3	18:26:01	1286.091	1584.138	98.001	190.002	33232.632	1327105.000	0.000	1278.090
x		1357.435	1636.814	97.334	216.669	33474.853	1324612.200	0.000	1267.422
σ		65.258	92.976	17.010	23.438	215.689	6325.202	0.000	46.925
%RSD		4.807	5.680	17.476	10.818	0.644	0.478	0.000	3.702

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26
1	18:31:29	652570.120	45067.433	63.000	30611.452	T 10297182.000	T 17228440.000	T 2268463.600	T 2679692
2	18:32:32	645044.460	44114.777	66.000	30537.203	T 10268627.000	T 17358244.000	T 2280277.400	T 2689053
3	18:33:36	638973.400	43660.592	75.000	31060.973	T 10273802.000	T 17456362.000	T 2289598.500	T 2699973
x		645529.330	44280.934	68.000	30736.542	T 10279870.000	T 17347682.000	T 2279446.500	T 2689573
σ		6811.314	717.988	6.245	283.407	T 15213.945	T 114328.000	T 10591.914	T 10150
%RSD		1.055	1.621	9.184	0.922	T 0.148	T 0.659	T 0.465	T 0
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**5**
1	18:31:29	856952.190	1083528.200	TM 169505400.000	TM 4581877.000	478729.640	7441.044	71592.798	38641
2	18:32:32	861916.180	1100147.800	TM 170472750.000	TM 4593577.600	473405.400	7511.102	69573.209	38149
3	18:33:36	858873.430	1067894.400	TM 170356970.000	TM 4579880.100	477958.610	7819.361	69716.299	38137
x		859247.270	1083856.800	TM 170111710.000	TM 4585111.500	476697.880	7590.502	70294.102	38309
σ		2503.021	16129.233	TM 528256.900	TM 7399.473	2877.317	201.269	1126.977	287
%RSD		0.291	1.488	TM 0.311	TM 0.161	0.604	2.652	1.603	0
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**6**

1	18:31:29	1296819.700	M 1658133.300	T 22671316.000	8239.732	6502.325	1434.113	32612.392	M 162924
2	18:32:32	1300229.100	M 1667253.500	T 22815211.000	8193.691	6612.404	1488.122	32225.014	M 165130
3	18:33:36	1304570.000	M 1671740.500	T 22827865.000	8203.700	6472.303	1336.098	32469.883	M 166474
x		1300539.600	M 1665709.100	T 22771464.000	8212.374	6529.011	1419.444	32435.763	M 164843
σ		3884.475	M 6933.851	T 86961.134	24.216	73.764	77.066	195.930	M 1792
%RSD		0.299	M 0.416	T 0.382	0.295	1.130	5.429	0.604	M 1

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	10
1	18:31:29	M 116361.970	5260.722	1954.810	378.008	653102.380	12706.874	21353.048	2006
2	18:32:32	M 116410.590	5325.559	2135.051	430.810	647326.410	12642.785	20793.754	1854
3	18:33:36	M 116256.640	5555.297	2190.864	450.011	646060.980	12738.919	21465.312	1868
x		M 116343.060	5380.526	2093.575	419.610	648829.920	12696.193	21204.038	1909
σ		M 78.698	154.789	123.372	37.285	3753.764	48.949	359.723	84
%RSD		M 0.068	2.877	5.893	8.886	0.579	0.386	1.696	4

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	13
1	18:31:29	1852.189	3986.874	9707.180	722717.370	1311.895	1040.660	108661.550	192596
2	18:32:32	1836.185	4010.885	9631.099	712409.500	1321.296	1015.657	107639.490	189890
3	18:33:36	1820.182	4014.886	9817.298	715567.660	1305.494	1030.458	109216.130	191830
x		1836.185	4004.215	9718.526	716898.180	1312.895	1028.925	108505.720	191439
σ		16.003	15.150	93.617	5281.170	7.948	12.572	799.786	1394
%RSD		0.872	0.378	0.963	0.737	0.605	1.222	0.737	0

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	23
1	18:31:29	2112.245	2276.285	726.029	1590.139	217032.100	1266587.100	0.000	15425
2	18:32:32	1912.201	2352.304	670.025	1630.146	219354.860	1247109.900	0.000	15765
3	18:33:36	2092.241	2364.307	666.024	1634.147	217443.770	1254557.800	0.000	15707
x		2038.896	2330.965	687.359	1618.144	217943.580	1256084.900	0.000	15632
σ		110.176	47.734	33.549	24.335	1239.421	9828.019	0.000	182
%RSD		5.404	2.048	4.881	1.504	0.569	0.782	0.000	1

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	18:39:05	640619.400	44408.201	67.000	6210.120	T 25454838.000	T 8714000.600	1168714.900	1398154.600
2	18:40:08	644641.320	44677.515	58.000	6294.178	T 25728074.000	T 8824401.800	1185679.400	1412471.200
3	18:41:12	645932.300	43877.634	55.000	6554.362	T 25995842.000	T 8875103.500	1194638.400	1434330.000
x		643731.010	44321.117	60.000	6352.887	T 25726251.000	T 8804502.000	1183010.900	1414985.300
σ		2770.958	406.989	6.245	179.473	T 270506.440	T 82374.400	13166.129	18218.294
%RSD		0.430	0.918	10.408	2.825	T 1.051	T 0.936	1.113	1.288

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	18:39:05	518604.040	1017163.400	T 25860875.000	T 2680981.900	478708.570	4222.981	45053.363	282885.910
2	18:40:08	520224.820	1089244.600	T 26292372.000	T 2719640.700	485486.180	4885.312	38141.847	285941.310
3	18:41:12	529370.780	1053989.300	T 26472382.000	T 2734648.600	491125.300	4353.042	33507.638	288609.670
x		522733.210	1053465.800	T 26208543.000	T 2711757.100	485106.690	4487.112	38900.949	285812.300
σ		5805.148	36043.458	T 314253.910	T 27688.327	6217.060	350.930	5810.174	2864.058
%RSD		1.111	3.421	T 1.199	T 1.021	1.282	7.821	14.936	1.002

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	18:39:05	1087447.300	410495.230	T 19172649.000	11899.783	29985.370	4883.311	115800.870	M 1053982.600
2	18:40:08	1108323.200	418698.940	T 19458782.000	12324.348	29973.331	5019.385	M 117571.380	M 1061953.100
3	18:41:12	1118438.900	421464.440	T 19628881.000	11975.883	30922.502	5041.398	117877.310	M 1081321.100
x		1104736.500	416886.200	T 19420104.000	12066.671	30293.734	4981.365	M 117083.190	M 1065752.300
σ		15804.046	5704.859	T 230562.460	226.375	544.562	85.627	M 1121.001	M 14059.645
%RSD		1.431	1.368	T 1.187	1.876	1.798	1.719	M 0.957	M 1.319

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	18:39:05	M 729312.090	2906.865	2027.626	389.408	1789501.800	22042.691	36505.148	21308.945
2	18:40:08	M 734248.700	2520.349	2173.060	430.210	1822867.400	22293.301	36926.846	21308.945
3	18:41:12	M 747402.480	2124.248	2256.480	466.612	1833341.800	22902.813	37402.785	21345.029
x		M 736987.760	2517.154	2152.389	428.743	1815237.000	22412.935	36944.926	21320.973
σ		M 9351.066	391.318	115.819	38.623	22894.423	442.365	449.092	20.833
%RSD		M 1.269	15.546	5.381	9.008	1.261	1.974	1.216	0.098

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	18:39:05	20356.766	65744.875	M 162839.470	723603.900	21578.780	16983.249	77117.711	135934.760
2	18:40:08	21010.251	M 67523.843	M 165814.530	738492.650	21811.334	17207.270	77462.625	136677.780
3	18:41:12	21158.594	M 67832.125	M 165454.050	732629.570	22116.871	17168.396	78588.224	136925.460
x		20841.870	M 67033.614	M 164702.680	731575.370	21835.662	17119.638	77722.853	136512.670
σ		426.610	M 1126.675	M 1623.624	7500.152	269.869	119.705	769.020	515.576
%RSD		2.047	M 1.681	M 0.986	1.025	1.236	0.699	0.989	0.378

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	18:39:05	1798.178	2012.223	774.033	1926.204	M 2556680.200	1286612.500	0.000	6164.089
2	18:40:08	1822.183	2040.229	796.035	1824.183	M 2599663.400	1294205.500	2.000	6284.171
3	18:41:12	1802.179	2078.238	806.036	1792.177	M 2591076.000	1291681.500	0.000	6300.182
x		1807.513	2043.563	792.035	1847.521	M 2582473.200	1290833.200	0.667	6249.481
σ		12.861	33.133	16.372	69.995	M 22746.288	3866.942	1.155	74.384
%RSD		0.712	1.621	2.067	3.789	M 0.881	0.300	173.205	1.190

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	18:46:41	659023.630	43174.278	54.000	367147.090	T 17862449.000	T 7394496.000	991883.590	1172544.200
2	18:47:45	664110.550	43009.500	56.000	373314.800	T 17860830.000	T 7450159.200	992902.310	1186791.400
3	18:48:48	662567.860	42599.577	61.000	372258.800	T 18056309.000	T 7526071.000	1000779.900	1199091.500
x		661900.680	42927.785	57.000	370906.900	T 17926530.000	T 7456908.700	995188.610	1186142.300
σ		2608.263	295.937	3.606	3298.621	T 112395.400	T 66046.663	4868.943	13285.536
%RSD		0.394	0.689	6.326	0.889	T 0.627	T 0.886	0.489	1.120

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	18:46:41	414155.770	1073947.000	T 40948288.000	TM 10034169.000	504044.420	4293.013	32397.626	37651.810
2	18:47:45	420978.690	1064104.200	T 41379482.000	TM 10075168.000	502143.430	4070.911	29088.463	38031.385
3	18:48:48	423813.970	1121736.500	T 41745925.000	TM 10204967.000	512607.890	4114.931	26941.863	39063.749
x		419649.480	1086595.900	T 41357899.000	TM 10104768.000	506265.250	4159.619	29475.984	38248.981
σ		4964.405	30828.042	T 399256.270	TM 89163.153	5574.525	117.601	2748.448	730.687
%RSD		1.183	2.837	T 0.965	TM 0.882	1.101	2.827	9.324	1.910

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	18:46:41	896534.130	M 2630045.100	T 15940179.000	8640.104	14269.190	2464.334	23013.091	M 134974.610
2	18:47:45	894125.340	TM 2653793.700	T 15971502.000	8810.267	14415.420	2498.343	22359.463	M 135155.270
3	18:48:48	904050.660	TM 2677845.500	T 16176557.000	8646.110	14375.357	2540.355	23137.406	M 138300.040
x		898236.710	TM 2653894.800	T 16029413.000	8698.827	14353.322	2501.011	22836.654	M 136143.310
σ		5177.072	TM 23900.371	T 128389.430	96.557	75.564	38.081	417.907	M 1869.967
%RSD		0.576	TM 0.901	T 0.801	1.110	0.526	1.523	1.830	M 1.374

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	18:46:41	97297.907	3457.858	1876.794	300.405	843312.910	3668.740	5989.973	2248.278
2	18:47:45	96224.573	3233.375	1864.991	291.405	851699.280	3542.690	5973.962	2178.261
3	18:48:48	97275.671	3060.915	1871.993	290.005	856697.810	3630.725	5875.898	2234.275
x		96932.717	3250.716	1871.259	293.938	850570.000	3614.052	5946.611	2220.271
σ		613.371	199.039	5.935	5.644	6763.531	64.658	61.760	37.050
%RSD		0.633	6.123	0.317	1.920	0.795	1.789	1.039	1.669

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	18:46:41	2248.278	4733.232	11775.622	741382.230	3983.673	3119.135	160296.880	284484.660
2	18:47:45	2168.258	4911.326	11883.762	751101.490	3985.273	3107.331	161100.910	288306.270
3	18:48:48	2146.253	4845.291	11721.552	751682.710	4011.085	3183.557	163548.020	290498.420
x		2187.597	4829.950	11793.645	748055.470	3993.344	3136.674	161648.600	287763.120
σ		53.691	90.033	82.594	5786.502	15.385	41.029	1693.358	3043.451
%RSD		2.454	1.864	0.700	0.774	0.385	1.308	1.048	1.058

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	18:46:41	1636.147	2002.220	338.006	886.043	M 714064.050	1318290.000	0.000	6998.693
2	18:47:45	1696.158	1992.218	342.006	846.039	M 716611.250	1325742.000	0.000	6804.546
3	18:48:48	1672.154	1868.192	346.007	840.039	M 725997.930	1341161.100	0.000	7751.303
x		1668.153	1954.210	342.006	857.374	M 718891.080	1328397.700	0.000	7184.847
σ		30.205	74.662	4.000	25.009	M 6285.109	11664.555	0.000	500.077
%RSD		1.811	3.821	1.170	2.917	M 0.874	0.878	0.000	6.960

CCV 10/30/2010 06:53:14 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	18:54:17	668851.940	39256.577	4157.951	83350.357	T 18353508.000	T 10934979.000	1471901.200	1742106.100	10
2	18:55:21	676112.640	41132.845	4282.008	86008.949	T 18610476.000	T 11172637.000	1502998.800	1791751.000	10
3	18:56:24	678062.110	41044.447	4247.992	86099.803	T 18787564.000	T 11276240.000	1520761.300	1798757.700	10
x		674342.230	40477.956	4229.317	85153.036	T 18583849.000	T 11127952.000	1498553.800	1777538.300	10
σ		4853.616	1058.669	64.103	1561.827	T 218249.350	T 174963.800	24731.466	30884.513	
%RSD		0.720	2.615	1.516	1.834	T 1.174	T 1.572	1.650	1.737	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	18:54:17	7837.377	1073720.400	T 17615960.000	547364.870	494041.100	218.003	104905.820	80403.999	
2	18:55:21	7384.998	1161221.700	T 17881173.000	557518.890	501636.560	242.003	103536.250	82127.301	
3	18:56:24	7370.987	1107506.000	T 18025550.000	562580.900	504031.740	234.003	102799.960	82863.940	
x		7531.121	1114149.400	T 17840894.000	555821.550	499903.130	231.336	103747.340	81798.413	
σ		265.318	44127.301	T 207744.420	7748.716	5216.016	12.221	1068.679	1262.519	
%RSD		3.523	3.961	T 1.164	1.394	1.043	5.283	1.030	1.543	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	18:54:17	323244.400	127090.190	T 6005750.100	219512.600	18578.965	3296.598	23769.033	25271.076	
2	18:55:21	329683.550	128568.760	T 6151199.200	225402.120	18937.704	3160.549	24125.971	25257.037	
3	18:56:24	333733.370	130654.180	T 6251623.100	231268.740	19444.773	3362.622	24218.216	25381.382	
x		328887.110	128771.040	T 6136190.800	225394.490	18987.148	3273.256	24037.740	25303.165	
σ		5289.650	1790.585	T 123621.660	5878.072	435.016	103.039	237.234	68.101	
%RSD		1.608	1.391	T 2.015	2.608	2.291	3.148	0.987	0.269	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	
1	18:54:17	19075.993	10886.514	3365.223	902.045	544665.780	153130.930	255778.320	51531.640	
2	18:55:21	19619.147	10695.888	3376.227	913.646	555322.380	156884.110	262407.290	53496.944	
3	18:56:24	19585.074	10682.272	3366.623	910.246	553164.610	157392.790	263860.450	52672.149	
x		19426.738	10754.892	3369.358	908.645	551050.920	155802.610	260682.020	52566.911	
σ		304.231	114.192	5.990	5.964	5633.962	2327.683	4308.435	986.869	
%RSD		1.566	1.062	0.178	0.656	1.022	1.494	1.653	1.877	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	18:54:17	50698.978	13049.359	32221.000	738367.040	83191.714	64754.202	243799.850	434224.410	68
2	18:55:21	51477.334	13219.605	32008.250	753799.680	97488.129	75847.694	249065.750	444581.430	69
3	18:56:24	51282.236	13217.602	32799.061	749774.360	103255.890	81208.301	252607.490	445931.180	70
x		51152.849	13162.188	32342.770	747313.690	94645.243	73936.732	248491.030	441579.000	69
σ		404.988	97.718	409.227	8005.171	10329.775	8391.851	4431.854	6404.924	
%RSD		0.792	0.742	1.265	1.071	10.914	11.350	1.784	1.450	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	18:54:17	65283.568	76072.964	71211.824	170171.950	124192.550	1288094.000	0.000	219938.720	2
2	18:55:21	65700.556	78098.027	72903.150	172868.110	124689.280	1294049.500	0.000	241953.500	2
3	18:56:24	67809.961	79147.041	73130.969	174070.730	126212.080	1312747.300	0.000	249600.110	2
x		66264.695	77772.677	72415.314	172370.260	125031.310	1298296.900	0.000	237164.110	2
σ		1354.383	1562.650	1048.460	1996.500	1052.311	12863.785	0.000	15399.780	
%RSD		2.044	2.009	1.448	1.158	0.842	0.991	0.000	6.493	

CCB 10/30/2010 07:00:52 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	19:01:55	693892.260	41715.491	28.000	4385.057	1998967.800	39734.647	5453.635	5925.931	22241.174
2	19:02:58	695513.380	41727.546	28.000	4120.934	1977736.100	35358.629	4821.278	5273.529	21946.459
3	19:04:02	702652.240	41040.429	35.000	3782.787	1951324.300	31370.031	4333.032	4737.234	21383.119
x		697352.630	41494.489	30.333	4096.259	1976009.400	35487.769	4869.315	5312.231	21856.917
σ		4660.628	393.274	4.041	301.892	23868.637	4183.803	561.844	595.293	435.979
%RSD		0.668	0.948	13.323	7.370	1.208	11.789	11.538	11.206	1.995

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	19:01:55	4353.042	1025743.900	T 2467826.700	10141.654	501218.420	136.001	24555.118	2152.255	7913.443
2	19:02:58	4477.102	1076677.400	2413231.100	8888.343	504817.600	136.001	20388.838	2146.253	6760.513
3	19:04:02	4224.981	1043943.300	2375608.400	7278.913	506943.120	160.001	18380.563	2070.236	5821.864
x		4351.709	1048788.200	T 2418888.700	8769.637	504326.380	144.001	21108.173	2122.915	6831.940
σ		126.066	25810.061	T 46368.727	1435.057	2893.789	13.857	3149.502	45.720	1047.617
%RSD		2.897	2.461	T 1.917	16.364	0.574	9.623	14.921	2.154	15.334

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	19:01:55	13530.061	2320.296	336044.200	386.008	384.008	446.011	988.054	606.020	110.001
2	19:02:58	13197.573	1746.168	336859.560	390.008	370.008	436.010	926.047	560.017	116.001
3	19:04:02	13343.786	1526.128	334326.580	338.006	400.009	512.014	892.044	442.011	98.001
x		13357.140	1864.197	335743.450	371.341	384.675	464.679	935.382	536.016	108.001
σ		166.646	410.029	1292.995	28.938	15.012	41.298	48.681	84.598	9.165
%RSD		1.248	21.995	0.385	7.793	3.902	8.887	5.204	15.783	8.486
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
1	19:01:55	428.010	1862.191	1587.939	189.802	551431.950	998.055	1832.185	106.001	4.000
2	19:02:58	344.007	1482.121	1608.142	193.202	553737.980	848.040	1544.131	100.001	6.000
3	19:04:02	284.004	1268.889	1633.947	186.602	562878.500	748.031	1156.074	72.000	4.000
x		352.007	1537.733	1610.009	189.869	556016.140	864.708	1510.796	92.667	4.667
σ		72.335	300.535	23.061	3.301	6053.791	125.843	339.286	18.148	1.155
%RSD		20.549	19.544	1.432	1.738	1.089	14.553	22.457	19.584	24.744
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
1	19:01:55	106.001	50.000	122.001	748360.700	4281.208	3349.417	650.023	1002.055	699394.870
2	19:02:58	84.000	48.000	78.000	751899.590	3294.397	2608.574	520.015	920.047	696587.100
3	19:04:02	78.000	22.000	66.000	757900.490	2685.397	2047.030	464.012	636.022	698264.760
x		89.334	40.000	88.667	752720.260	3420.334	2668.340	544.683	852.708	698082.250
σ		14.742	15.621	29.485	4822.555	805.325	653.247	95.428	192.083	1412.755
%RSD		16.503	39.051	33.253	0.641	23.545	24.481	17.520	22.526	0.202
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
1	19:01:55	1016.057	1096.066	146.001	316.005	1034.059	1309882.900	0.000	4857.297	532.016
2	19:02:58	888.043	996.055	114.001	274.004	846.039	1326985.300	0.000	3908.840	394.009
3	19:04:02	768.032	834.038	90.000	210.002	616.021	1313308.300	0.000	3260.585	360.007
x		890.711	975.386	116.667	266.671	832.040	1316725.500	0.000	4008.907	428.677
σ		124.034	132.231	28.095	53.381	209.370	9048.829	0.000	803.046	91.094
%RSD		13.925	13.557	24.082	20.017	25.163	0.687	0.000	20.032	21.250

200-2079-A-3-C@10 10/30/2010 07:08:29 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	19:09:32	750255.750	45907.621	43.000	34164.075	T 4044563.700	886713.420	113666.190	131540.830	350972.700
2	19:10:36	773204.170	47061.499	32.000	34692.069	T 4099789.300	893220.540	113658.080	134808.170	353321.090
3	19:11:39	787918.640	47226.350	31.000	33826.817	T 4114809.800	881406.690	113313.830	131902.010	352830.580
x		770459.520	46731.823	35.333	34227.653	T 4086387.600	887113.550	113546.030	132750.340	352374.790
σ		18980.864	718.523	6.658	436.116	T 36990.974	5917.081	201.136	1791.265	1238.767
%RSD		2.464	1.538	18.844	1.274	T 0.905	0.667	0.177	1.349	0.352

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	19:09:32	27928.835	705643.110	T 5512300.200	378365.300	423143.810	1362.102	687595.780	12688.849	212550.050
2	19:10:36	27280.872	677676.920	T 5408736.100	376560.640	422884.140	1196.079	691092.590	12813.023	212881.680
3	19:11:39	27290.902	673202.100	T 5312231.900	377906.810	424555.390	1258.087	688840.950	12792.995	211962.570
x		27500.203	685507.370	T 5411089.400	377610.920	423527.780	1272.089	689176.440	12764.956	212464.770
σ		371.240	17581.009	T 100054.890	938.011	899.359	83.893	1772.378	66.667	465.450
%RSD		1.350	2.565	T 1.849	0.248	0.212	6.595	0.257	0.522	0.219

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
1	19:09:32	132188.120	401728.330	T 2296537.300	688.026	1298.093	524.015	2894.461	6202.115	1564.134
2	19:10:36	128686.410	400065.350	2283746.600	784.034	1572.136	522.015	3406.638	5945.944	1542.131
3	19:11:39	130315.370	404649.710	2312674.800	750.031	1756.170	524.015	3526.684	6017.991	1490.122
x		130396.630	402147.800	T 2297652.900	740.697	1542.133	523.348	3275.928	6055.350	1532.129
σ		1752.267	2320.787	T 14496.322	48.680	230.508	1.155	335.769	132.109	38.006
%RSD		1.344	0.577	T 0.631	6.572	14.947	0.221	10.250	2.182	2.481

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	19:09:32	4218.979	58262.905	1393.707	273.604	443928.660	430.010	646.023	24.000	6.000
2	19:10:36	4451.089	59967.133	1406.709	275.404	446682.760	394.009	596.020	46.000	14.000
3	19:11:39	4369.050	60032.764	1379.505	274.804	439148.690	324.006	554.017	44.000	4.000
x		4346.373	59420.934	1393.307	274.604	443253.370	382.675	598.686	38.000	8.000
σ		117.705	1003.419	13.606	0.917	3812.162	53.903	46.061	12.166	5.292
%RSD		2.708	1.689	0.977	0.334	0.860	14.086	7.694	32.015	66.144

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	19:09:32	22.000	24.000	146.001	602932.260	15739.614	12155.321	8894.349	15867.836	549105.260
2	19:10:36	48.000	38.000	134.001	591688.360	13386.248	10527.292	8988.441	16298.597	548226.540
3	19:11:39	38.000	42.000	106.001	583316.460	12369.009	9670.140	9256.710	16158.347	541170.000
x		36.000	34.667	128.668	592645.690	13831.624	10784.251	9046.500	16108.260	546167.270
σ		13.115	9.452	20.527	9842.876	1728.876	1262.360	188.028	219.705	4350.005
%RSD		36.430	27.264	15.953	1.661	12.499	11.706	2.078	1.364	0.796

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	19:09:32	556.017	574.018	46.000	134.001	12622.757	955737.970	0.000	3980.871	1700.159
2	19:10:36	480.013	556.017	46.000	140.001	12736.916	911555.460	0.000	2304.292	1548.132
3	19:11:39	472.012	518.015	44.000	120.001	12470.547	906466.370	0.000	1594.140	1490.122
x		502.681	549.350	45.333	131.334	12610.074	924586.600	0.000	2626.434	1579.471
σ		46.364	28.591	1.155	10.263	133.637	27097.616	0.000	1225.542	108.469
%RSD		9.223	5.204	2.547	7.815	1.060	2.931	0.000	46.662	6.867

200-2081-A-4-C@10 10/30/2010 07:16:05 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	19:17:08	839078.720	51891.680	34.000	3462.659	T 5086870.200	806071.220	104027.810	123570.160	434476.010
2	19:18:11	851949.140	51839.382	36.000	3594.711	T 5053644.600	807801.120	102789.850	122982.270	423889.370
3	19:19:15	859821.030	51598.015	26.000	3324.608	T 5006141.600	795582.950	102397.460	121782.270	419699.530
x		850282.960	51776.359	32.000	3460.659	T 5048885.500	803151.760	103071.710	122778.230	426021.640
σ		10471.056	156.648	5.292	135.062	T 40574.175	6611.611	850.938	911.238	7615.510
%RSD		1.231	0.303	16.536	3.903	T 0.804	0.823	0.826	0.742	1.788

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	19:17:08	45304.607	661736.460	T 4438694.500	225723.960	412490.570	866.041	599536.330	34198.203	188653.350
2	19:18:11	44587.073	640023.550	T 4369247.800	224858.910	409742.380	956.050	615946.740	34152.030	194878.620
3	19:19:15	43373.222	643292.630	T 4331191.500	222866.750	411720.820	1050.061	616571.000	34479.261	193871.430
x		44421.634	648350.880	T 4379711.200	224483.210	411317.920	957.384	610684.690	34276.498	192467.800
σ		976.263	11706.920	T 54509.960	1465.190	1417.704	92.017	9659.805	177.109	3341.574
%RSD		2.198	1.806	T 1.245	0.653	0.345	9.611	1.582	0.517	1.736

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	19:17:08	105114.200	37173.849	1776279.700	1086.065	4128.937	862.041	13333.771	89892.247	13922.653
2	19:18:11	105850.670	37023.236	1801030.800	1124.070	4377.054	810.036	13035.339	88589.553	13694.307
3	19:19:15	105051.480	36798.326	1786215.700	1070.063	4485.106	926.047	13540.076	88042.275	13492.004
x		105338.790	36998.471	1787842.100	1093.399	4330.366	866.041	13303.062	88841.358	13702.988
σ		444.415	188.983	12455.444	27.740	182.617	58.109	253.766	950.344	215.456
%RSD		0.422	0.511	0.697	2.537	4.217	6.710	1.908	1.070	1.572

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	19:17:08	62637.046	54144.762	1321.896	274.004	537086.170	2044.230	3150.546	1684.156	336.006
2	19:18:11	63082.108	55366.890	1328.897	294.805	538133.460	1880.194	3154.547	1768.172	374.008
3	19:19:15	61811.424	55660.676	1353.301	315.605	534911.400	1814.181	3162.550	1666.153	322.006
x		62510.193	55057.443	1334.698	294.805	536710.350	1912.868	3155.881	1706.160	344.007
σ		644.770	803.938	16.486	20.801	1643.579	118.454	6.112	54.453	26.908
%RSD		1.031	1.460	1.235	7.056	0.306	6.192	0.194	3.192	7.822

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	19:17:08	1738.166	5699.786	13712.334	594473.540	12340.370	9750.226	6272.163	10958.601	535856.710
2	19:18:11	1694.158	5589.718	13666.264	593087.250	12908.358	10063.567	5999.979	10347.886	532423.550
3	19:19:15	1844.187	5525.679	13740.376	576718.840	12833.051	9954.447	6025.997	10582.155	538489.650
x		1758.837	5605.061	13706.325	588093.210	12693.926	9922.747	6099.380	10629.547	535589.970
σ		77.121	88.062	37.419	9874.851	308.495	159.058	150.199	308.103	3041.839
%RSD		4.385	1.571	0.273	1.679	2.430	1.603	2.463	2.899	0.568

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	19:17:08	436.010	512.014	74.000	156.001	164710.730	929883.680	0.000	852.040	434.010
2	19:18:11	412.009	456.011	66.000	144.001	164354.370	933008.850	0.000	764.032	410.009
3	19:19:15	392.008	472.012	62.000	166.002	164482.660	928473.920	0.000	710.028	450.011
x		413.343	480.013	67.334	155.335	164515.920	930455.480	0.000	775.367	431.344
σ		22.031	28.846	6.110	11.015	180.495	2320.909	0.000	71.681	20.134
%RSD		5.330	6.009	9.074	7.091	0.110	0.249	0.000	9.245	4.668

CCV 10/30/2010 07:23:40 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	19:24:43	804601.160	47145.934	4116.932	76137.501	T 16403523.000	T 9524396.400	1279671.600	1512906.200	9104
2	19:25:47	799795.610	46767.990	4126.936	76916.013	T 16325474.000	T 9542244.500	1282407.900	1525844.900	9114
3	19:26:50	793563.360	46755.928	4033.895	77020.896	T 16283014.000	T 9554259.500	1284255.500	1516844.700	9117
x		799320.040	46889.951	4092.588	76691.470	T 16337337.000	T 9540300.100	1282111.700	1518531.900	9112
σ		5534.248	221.770	51.075	482.609	T 61124.031	T 15026.239	2306.290	6632.330	6
%RSD		0.692	0.473	1.248	0.629	T 0.374	T 0.158	0.180	0.437	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	19:24:43	5801.851	943417.260	T 14889390.000	471691.680	436833.030	178.002	163075.650	71947.583	363
2	19:25:47	5811.857	948094.340	T 15003438.000	471897.980	437013.390	226.003	148669.790	71957.662	319
3	19:26:50	5643.751	952184.510	T 14964624.000	476412.550	439274.560	204.002	137743.690	73064.437	279
x		5752.486	947898.710	T 14952484.000	473334.070	437706.990	202.669	149829.710	72323.227	320
σ		94.300	4386.896	T 57984.951	2668.035	1360.542	24.028	12705.753	641.926	41
%RSD		1.639	0.463	T 0.388	0.564	0.311	11.856	8.480	0.888	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	19:24:43	284210.270	110193.820	T 5325726.400	198240.140	17160.181	2928.472	22195.061	22002.594	38
2	19:25:47	289724.300	111325.490	T 5373792.600	199574.870	17454.741	2944.477	22385.527	21677.815	38
3	19:26:50	288366.120	111655.500	T 5423903.200	200601.090	17426.687	2782.426	22285.281	22150.954	38
x		287433.560	111058.270	T 5374474.100	199472.030	17347.203	2885.125	22288.623	21943.788	38
σ		2872.866	766.600	T 49091.970	1183.830	162.572	89.299	95.277	241.989	
%RSD		0.999	0.690	T 0.913	0.593	0.937	3.095	0.427	1.103	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	10
1	19:24:43	16967.820	16147.528	2690.598	794.435	496455.440	140633.430	232758.030	47747.060	8
2	19:25:47	17208.271	15067.276	2715.806	806.236	496877.590	142319.360	239175.420	47857.639	7
3	19:26:50	16921.734	14134.580	2750.416	799.235	490673.880	141612.450	237381.300	47722.933	8
x		17032.609	15116.461	2718.940	799.969	494668.970	141521.750	236438.250	47775.877	8
σ		153.864	1007.375	30.032	5.935	3466.282	846.619	3310.999	71.828	
%RSD		0.903	6.664	1.105	0.742	0.701	0.598	1.400	0.150	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	19:24:43	46235.275	12176.149	29537.909	669075.520	75483.683	59179.597	221272.510	399284.100	6599
2	19:25:47	46691.599	12626.763	29283.087	677580.080	87858.510	68425.145	224584.250	403356.080	6596
3	19:26:50	46520.726	12210.194	29941.225	676487.010	92283.427	72397.735	225779.310	404016.460	6553
x		46482.533	12337.702	29587.407	674380.870	85208.540	66667.492	223878.690	402218.880	6583
σ		230.547	250.912	331.850	4626.958	8707.733	6782.094	2334.776	2562.949	25
%RSD		0.496	2.034	1.122	0.686	10.219	10.173	1.043	0.637	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	19:24:43	62121.527	73463.635	67640.707	164120.200	118507.420	1250294.000	0.000	213866.390	2638
2	19:25:47	63813.183	73903.176	68126.313	166883.830	119317.920	1273056.200	0.000	235396.690	2650
3	19:26:50	64066.959	74602.856	68930.340	166869.570	121093.160	1269333.500	0.000	244826.910	2665
x		63333.890	73989.889	68232.453	165957.870	119639.500	1264227.900	0.000	231363.330	2651
σ		1057.577	574.539	651.335	1591.485	1322.526	12209.837	0.000	15869.450	13
%RSD		1.670	0.777	0.955	0.959	1.105	0.966	0.000	6.859	

CCB 10/30/2010 07:31:17 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	19:32:20	794988.140	46004.107	27.000	2976.487	1904315.300	30254.259	4220.980	4609.168	20625.371
2	19:33:24	796347.760	46257.387	30.000	2936.474	1869218.200	28795.533	3940.854	4457.092	20859.905
3	19:34:27	793428.300	46603.147	21.000	2756.418	1840411.700	26703.161	3608.716	3884.830	20593.298
x		794921.400	46288.214	26.000	2889.793	1871315.100	28584.318	3923.517	4317.030	20692.858
σ		1460.872	300.707	4.583	117.226	32003.342	1784.946	306.500	381.942	145.553
%RSD		0.184	0.650	17.625	4.057	1.710	6.244	7.812	8.847	0.703

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	19:32:20	3622.722	949152.700	1695140.400	5665.765	433993.770	148.001	44213.254	2204.267	14195.074
2	19:33:24	3598.712	943421.690	1665158.600	5265.525	440403.250	110.001	37111.596	2026.226	12005.923
3	19:34:27	3626.723	948379.960	1647896.100	4913.327	441104.030	112.001	32208.957	1930.205	10520.083
x		3616.052	946984.780	1669398.300	5281.539	438500.350	123.334	37844.602	2053.566	12240.360
σ		15.150	3109.824	23905.846	376.474	3918.505	21.386	6035.624	139.062	1848.678
%RSD		0.419	0.328	1.432	7.128	0.894	17.340	15.948	6.772	15.103

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	19:32:20	11581.372	1172.076	277167.770	378.008	690.026	456.011	1704.160	374.008	112.001
2	19:33:24	11755.596	1000.055	274665.510	286.005	662.024	420.010	1688.157	362.007	80.000
3	19:34:27	11248.955	1008.056	276712.200	298.005	630.022	480.013	1646.149	304.005	94.000
x		11528.641	1060.062	276181.830	320.672	660.691	452.011	1679.488	346.673	95.334
σ		257.404	97.089	1332.774	50.015	30.024	30.201	29.961	37.436	16.042
%RSD		2.233	9.159	0.483	15.597	4.544	6.681	1.784	10.799	16.827

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	19:32:20	294.005	3904.838	1211.281	152.801	500095.010	880.043	1526.128	108.001	2.000
2	19:33:24	290.005	3410.640	1233.884	158.801	500969.230	830.038	1304.093	72.000	4.000
3	19:34:27	208.002	2920.869	1218.082	156.801	496797.380	658.024	1100.067	66.000	4.000
x		264.004	3412.116	1221.082	156.135	499287.210	789.368	1310.096	82.000	3.333
σ		48.540	491.986	11.596	3.055	2200.113	116.463	213.094	22.716	1.155
%RSD		18.386	14.419	0.950	1.957	0.441	14.754	16.266	27.702	34.641

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	19:32:20	60.000	24.000	78.000	687065.880	3850.815	2986.290	450.011	748.031	650677.410
2	19:33:24	78.000	46.000	64.000	677158.330	2942.276	2348.503	370.008	670.025	654909.700
3	19:34:27	64.000	34.000	66.000	684877.660	2423.523	1835.785	344.007	600.020	653312.710
x		67.334	34.667	69.334	683033.960	3072.205	2390.193	388.008	672.692	652966.610
σ		9.452	11.015	7.572	5204.740	722.462	576.384	55.247	74.042	2137.268
%RSD		14.037	31.775	10.921	0.762	23.516	24.115	14.239	11.007	0.327

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	19:32:20	1024.058	1174.076	150.001	304.005	508.014	1266198.100	0.000	4937.340	454.011
2	19:33:24	892.044	932.048	102.001	228.003	486.013	1281449.900	0.000	3936.852	400.009
3	19:34:27	706.027	844.039	92.000	182.002	426.010	1285947.500	0.000	3508.677	346.007
x		874.043	983.388	114.667	238.003	473.346	1277865.200	0.000	4127.623	400.009
σ		159.777	170.903	31.006	61.613	42.444	10351.218	0.000	733.188	54.002
%RSD		18.280	17.379	27.040	25.888	8.967	0.810	0.000	17.763	13.500

Analyte ICPS

STD0 10/30/2010 01:18:52 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	13:19:55	99.787%	39184.266	52.241	1368.896	46400.671	95006.172	2017.791	-1445.837	11272.230
2	13:20:59	100.384%	39770.805	59.077	1246.036	66744.879	99068.574	2625.342	-600.339	15333.785
3	13:22:02	99.829%	39782.857	51.229	1416.062	73358.969	96790.338	2453.918	-917.604	12956.675
x		100.000%	39579.309	54.182	1343.665	62168.173	96955.028	2365.684	-987.927	13187.563
σ		0.334%	342.171	4.269	87.776	14049.809	2036.202	313.239	427.113	2040.598
%RSD		0.334	0.865	7.879	6.533	22.600	2.100	13.241	43.233	15.474

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	13:19:55	4219.816	1154752.800	240261.870	11259.796	99.364%	78.500	985.179	1022.633	2096.929
2	13:20:59	4443.241	1134042.900	223106.260	11629.902	100.042%	95.961	1051.269	975.594	1722.892
3	13:22:02	4170.166	1102784.300	212199.750	11443.037	100.595%	85.492	1235.179	986.771	1363.153
x		4277.741	1130526.600	225189.290	11444.245	100.000%	86.651	1090.542	995.000	1727.658
σ		145.461	26162.062	14146.555	185.056	0.617%	8.788	129.545	24.575	366.911
%RSD		3.400	2.314	6.282	1.617	0.617	10.142	11.879	2.470	21.237

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
1	13:19:55	7513.606	2330.544	4294.403	5940.823	152.159	72.337	-4.147	-210.141	-33.834
2	13:20:59	7678.312	2320.395	14923.493	5974.114	93.925	37.553	-40.848	-267.343	-38.282
3	13:22:02	7651.602	2227.970	11491.524	5943.543	78.428	21.557	-44.104	-273.516	-30.670
x		7614.507	2292.970	10236.473	5952.827	108.171	43.816	-29.700	-250.333	-34.262
σ		88.397	56.520	5424.551	18.485	38.875	25.963	22.189	34.944	3.824
%RSD		1.161	2.465	52.992	0.311	35.938	59.254	74.711	13.959	11.161

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	13:19:55	-131.444	64.238	51.030	-4.076	99.203%	4425.578	9470.016	625.009	-177.556
2	13:20:59	-225.973	63.213	27.542	5.753	100.863%	4330.017	9049.060	618.553	-223.412
3	13:22:02	-215.605	144.894	70.243	20.420	99.934%	4018.525	8732.652	616.538	-205.900
x		-191.008	90.782	49.605	7.366	100.000%	4258.040	9083.909	620.033	-202.289
σ		51.843	46.865	21.386	12.327	0.832%	212.858	369.915	4.425	23.140
%RSD		27.142	51.624	43.113	167.356	0.832	4.999	4.072	0.714	11.439

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	13:19:55	622.409	69.856	290.731	98.889%	6200.469	4685.818	10148.828	22508.405	98.681%
2	13:20:59	620.063	120.760	367.813	100.498%	5807.798	4352.615	10134.653	22558.997	99.679%
3	13:22:02	622.028	99.574	332.499	100.613%	5555.009	4163.880	10126.558	22538.835	101.640%
x		621.500	96.730	330.348	100.000%	5854.425	4400.771	10136.679	22535.412	100.000%
σ		1.259	25.571	38.586	0.964%	325.246	264.280	11.273	25.469	1.505%
%RSD		0.203	26.435	11.680	0.964	5.556	6.005	0.111	0.113	1.505

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	13:19:55	1642.522	2101.369	1822.284	6279.748	5778.070	99.345%	0.000	21305.018	14983.657
2	13:20:59	1542.519	2029.862	1829.176	6298.599	5738.172	100.918%	1.982	21142.104	15000.082
3	13:22:02	1462.852	1905.227	1818.013	6256.948	5683.767	99.736%	0.000	20988.578	14997.340
x		1549.297	2012.153	1823.157	6278.432	5733.337	100.000%	0.661	21145.233	14993.693
σ		90.027	99.263	5.632	20.857	47.337	0.819%	1.144	158.243	8.799
%RSD		5.811	4.933	0.309	0.332	0.826	0.819	173.205	0.748	0.059

STD1 10/30/2010 01:26:27 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	13:27:31	100.735%	40015.876	801.549	14814.410	T 3058025.000	T 2029937.100	256523.870	301576.710	187785.540
2	13:28:34	101.200%	39883.296	798.001	15577.892	T 3067297.800	T 2056363.200	260019.360	303487.090	188199.630
3	13:29:38	101.303%	40273.008	788.329	15434.485	T 3062962.700	T 2066453.200	260273.660	306089.850	188536.240
x		101.079%	40057.393	795.960	15275.596	T 3062761.800	T 2050917.800	258938.960	303717.880	188173.800
σ		0.303%	198.146	6.842	405.784	T 4639.676	T 18857.239	2095.392	2265.402	376.018
%RSD		0.300	0.495	0.860	2.656	T 0.151	T 0.919	0.809	0.746	0.200

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	13:27:31	3771.524	1169450.800	T 2825332.500	110805.290	96.532%	74.587	17262.286	16251.341	4639.814
2	13:28:34	3584.865	1120669.900	T 2828468.800	111704.780	96.982%	78.366	17814.980	16247.536	3338.679
3	13:29:38	3785.061	1113037.800	T 2798220.900	110012.770	97.984%	79.605	17004.828	16036.266	2780.017
x		3713.817	1134386.200	T 2817340.700	110840.950	97.166%	77.519	17360.698	16178.381	3586.170
σ		111.881	30605.713	T 16632.335	846.566	0.743%	2.614	413.945	123.090	954.280

%RSD		3.013	2.698	T 0.590	0.764	0.765	3.372	2.384	0.761	26.610
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
1	13:27:31	65275.873	25802.634	1033898.600	48459.141	3595.561	608.658	4698.594	4899.225	819.690
2	13:28:34	65013.815	26458.754	1051288.800	48472.805	3515.680	571.258	4657.749	4945.262	838.111
3	13:29:38	64904.798	25678.739	1045409.000	48799.481	3601.794	539.479	4552.957	4744.525	881.588
x		65064.829	25980.042	1043532.100	48577.143	3571.012	573.132	4636.433	4863.004	846.463
σ		190.725	419.179	8845.734	192.672	48.020	34.628	75.122	105.156	31.783
%RSD		0.293	1.613	0.848	0.397	1.345	6.042	1.620	2.162	3.755
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
1	13:27:31	3667.919	1842.931	320.430	147.735	96.563%	32948.751	55860.444	10218.667	-146.421
2	13:28:34	3718.693	1866.409	305.585	129.153	98.342%	33248.827	56256.774	10221.046	-164.481
3	13:29:38	3802.047	1914.406	313.202	149.819	98.243%	33091.345	57323.573	10416.034	-247.629
x		3729.553	1874.582	313.072	142.236	97.716%	33096.308	56480.264	10285.249	-186.177
σ		67.721	36.432	7.424	11.377	1.000%	150.099	756.735	113.269	53.979
%RSD		1.816	1.943	2.371	7.999	1.023	0.454	1.340	1.101	28.994
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
1	13:27:31	10236.632	2436.736	6278.388	96.288%	19476.172	15011.377	56263.203	105177.050	98.374%
2	13:28:34	10066.630	2674.778	6352.878	97.657%	21658.891	16741.029	56470.669	104768.990	98.267%
3	13:29:38	9962.006	2704.837	6821.909	97.594%	23266.521	17941.349	56980.741	105200.920	99.143%
x		10088.423	2605.450	6484.391	97.180%	21467.195	16564.585	56571.538	105048.990	98.595%
σ		138.604	146.882	294.662	0.773%	1902.432	1472.934	369.251	242.778	0.478%
%RSD		1.374	5.637	4.544	0.796	8.862	8.892	0.653	0.231	0.485
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
1	13:27:31	13776.706	16447.638	15738.524	40247.380	50863.558	99.657%	0.000	61494.826	68766.080
2	13:28:34	14141.863	16793.058	15888.181	39982.172	52064.830	99.749%	0.000	64711.634	68713.976
3	13:29:38	14198.771	17025.228	16083.904	40366.974	51584.608	99.198%	0.000	67313.584	69339.853
x		14039.113	16755.308	15903.536	40198.842	51504.332	99.535%	0.000	64506.681	68939.970
σ		229.026	290.640	173.202	196.939	604.646	0.295%	0.000	2914.788	347.288
%RSD		1.631	1.735	1.089	0.490	1.174	0.297	0.000	4.519	0.504

STD2 10/30/2010 01:34:03 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	13:35:07	101.720%	39847.138	3822.742	72072.571	T 14609610.000	T 9762480.800	1321059.600	1562791.400	9948
2	13:36:11	102.714%	39790.892	3857.153	72399.819	T 14543880.000	T 9796744.200	1328061.900	1578072.400	9930
3	13:37:14	102.203%	40068.106	3866.503	73898.741	T 14799500.000	T 9993530.900	1346059.800	1606691.900	10029
x		102.212%	39902.045	3848.799	72790.377	T 14650997.000	T 9850918.600	1331727.100	1582518.600	9969
σ		0.497%	146.537	23.045	973.717	T 132740.570	T 124688.350	12896.849	22285.405	52
%RSD		0.486	0.367	0.599	1.338	T 0.906	T 1.266	0.968	1.408	
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	
1	13:35:07	6061.629	1103130.800	T 13332833.000	524370.660	95.021%	208.377	83636.592	78370.910	48
2	13:36:11	6035.979	1130874.700	T 13304632.000	523814.690	96.817%	183.853	84379.674	79065.685	33
3	13:37:14	6194.858	1079245.800	T 13714489.000	523316.810	97.339%	199.306	85254.857	79378.719	26
x		6097.489	1104417.100	T 13450651.000	523834.050	96.392%	197.179	84423.708	78938.438	36
σ		85.294	25838.487	T 228924.370	527.188	1.216%	12.400	810.031	515.814	11
%RSD		1.399	2.340	T 1.702	0.101	1.261	6.289	0.959	0.653	
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	
1	13:35:07	310014.890	123773.140	T 5541339.800	224050.820	18214.202	2737.410	22895.263	23872.158	41
2	13:36:11	308004.530	122542.960	T 5496512.400	222673.480	17856.395	2597.650	22211.791	23512.934	41
3	13:37:14	313387.020	123170.110	T 5550765.600	225698.860	18122.841	2583.969	23276.049	23525.416	41
x		310468.810	123162.070	T 5529539.300	224141.050	18064.479	2639.676	22794.368	23636.836	41
σ		2719.802	615.130	T 28987.751	1514.708	185.906	84.916	539.255	203.890	
%RSD		0.876	0.499	T 0.524	0.676	1.029	3.217	2.366	0.863	
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**10**
1	13:35:07	18395.140	9325.597	1609.805	696.160	95.248%	154883.530	260543.020	52868.079	
2	13:36:11	17978.143	9219.775	1632.054	692.735	96.753%	155236.090	263370.480	51565.059	-
3	13:37:14	18910.596	9144.362	1637.260	695.961	97.062%	156639.060	261490.510	52762.764	-1
x		18427.960	9229.911	1626.373	694.952	96.354%	155586.230	261801.340	52398.634	-
σ		467.092	91.042	14.582	1.922	0.970%	928.666	1439.126	723.815	
%RSD		2.535	0.986	0.897	0.277	1.007	0.597	0.550	1.381	1
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	
1	13:35:07	51463.061	12976.140	31722.069	94.657%	91219.150	71580.332	254631.970	459667.670	98
2	13:36:11	51383.568	13126.735	31846.723	96.789%	101746.700	79740.054	251467.430	456703.110	98
3	13:37:14	51198.422	13501.959	32291.771	96.586%	107668.340	83990.446	257691.030	462764.010	100
x		51348.350	13201.611	31953.521	96.011%	100211.400	78436.944	254596.810	459711.600	99
σ		135.789	270.788	299.490	1.177%	8331.377	6306.846	3111.946	3030.689	0
%RSD		0.264	2.051	0.937	1.226	8.314	8.041	1.222	0.659	
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	
1	13:35:07	66610.889	78234.373	75014.378	179987.810	240659.970	99.064%	0.000	263483.750	2967
2	13:36:11	68487.395	79404.026	73663.032	182209.030	239775.980	100.163%	0.000	278752.150	2959
3	13:37:14	67313.797	79901.002	73740.254	183147.090	242499.920	99.604%	0.000	287266.190	3002
x		67470.694	79179.801	74139.221	181781.310	240978.630	99.610%	0.000	276500.700	2976
σ		948.040	855.641	758.891	1622.489	1389.642	0.550%	0.000	12050.018	22
%RSD		1.405	1.081	1.024	0.893	0.577	0.552	0.000	4.358	

STD3 10/30/2010 01:41:39 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	
1	13:42:43	100.650%	38983.405	19359.428	368468.540	T 72845313.000	T 49117213.000	T 6527424.900	T 7697
2	13:43:46	100.129%	39385.131	19581.102	M 375645.460	TM 74240437.000	TM 50211902.000	T 6611528.000	T 7807
3	13:44:49	99.531%	39087.852	M 20037.831	M 379667.180	TM 75646790.000	TM 51172717.000	TM 6763116.400	TM 8025
x		100.103%	39152.129	M 19659.454	M 374593.730	TM 74244180.000	TM 50167277.000	TM 6634023.100	TM 7843
σ		0.560%	208.434	M 345.922	M 5672.919	TM 1400742.300	TM 1028478.300	TM 119445.170	TM 167
%RSD		0.559	0.532	M 1.760	M 1.514	TM 1.887	TM 2.050	TM 1.800	T
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	
1	13:42:43	3880.814	1179983.500	T 67711311.000	2703319.200	94.329%	152.658	M 433782.030	M 403
2	13:43:46	3978.550	1169599.700	TM 69242279.000	T 2705569.200	95.432%	125.745	425259.430	400
3	13:44:49	4078.870	1090097.400	TM 70261069.000	M 2719981.200	96.862%	113.565	M 431629.550	401
x		3979.411	1146560.200	TM 69071553.000	TM 2709623.200	95.541%	130.656	M 430223.670	M 401
σ		99.031	49173.051	TM 1283423.600	TM 9040.565	1.270%	20.004	M 4431.826	M 13
%RSD		2.489	4.289	TM 1.858	TM 0.334	1.329	15.310	M 1.030	
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	

1	13:42:43	M 1605805.600	632032.960	T 27270894.000	1161126.000	90190.097	13595.484	M 114238.210	1174
2	13:43:46	M 1611618.600	M 634618.540	TM 27425033.000	M 1172676.000	90382.878	13507.947	114056.560	M 1183
3	13:44:49	1604102.500	M 637108.300	TM 27472750.000	M 1178304.800	M 91469.636	M 13859.757	M 114316.380	1168
x		M 1607175.500	M 634586.600	TM 27389559.000	M 1170702.300	M 90680.870	M 13654.396	M 114203.710	M 1175
σ		M 3940.889	M 2537.823	TM 105500.290	M 8757.807	M 689.858	M 183.154	M 133.301	M 7
%RSD		M 0.245	M 0.400	TM 0.385	M 0.748	M 0.761	M 1.341	M 0.117	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	
1	13:42:43	90853.869	46603.584	8287.452	3523.011	94.912%	806722.780	1370685.600	2637
2	13:43:46	M 91903.693	46368.171	8243.954	M 3556.592	96.706%	808834.010	1372145.300	M 2664
3	13:44:49	91312.882	M 47335.719	M 8462.436	3509.370	95.896%	M 814986.710	M 1389060.600	2625
x		M 91356.815	M 46769.158	M 8331.281	M 3529.657	95.838%	M 810181.170	M 1377297.200	M 2642
σ		M 526.289	M 504.578	M 115.647	M 24.303	0.898%	M 4293.513	M 10213.550	M 19
%RSD		M 0.576	M 1.079	M 1.388	M 0.689	0.937	M 0.530	M 0.742	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	
1	13:42:43	M 259451.230	66323.249	161836.520	94.727%	505797.860	393700.290	1349653.600	M 24832
2	13:43:46	M 259634.470	M 66562.611	M 162863.760	95.309%	M 551407.540	M 430162.400	M 1369527.700	M 25100
3	13:44:49	258209.460	66138.732	161210.820	97.191%	M 559546.490	M 435161.560	1344206.200	24538
x		M 259098.390	M 66341.531	M 161970.370	95.742%	M 538917.300	M 419674.750	M 1354462.500	M 24824
σ		M 775.268	M 212.530	M 834.557	1.288%	M 28969.527	M 22632.992	M 13328.092	M 281
%RSD		M 0.299	M 0.320	M 0.515	1.345	M 5.376	M 5.393	M 0.984	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	
1	13:42:43	340973.090	400557.760	384561.640	954869.020	1248897.300	98.779%	0.000	15215
2	13:43:46	M 352710.830	M 415364.110	M 385257.440	M 964457.150	M 1251339.300	99.680%	0.000	M 15373
3	13:44:49	M 350952.530	M 417256.750	M 387119.350	M 963917.480	M 1254371.900	99.152%	0.000	M 15597
x		M 348212.150	M 411059.540	M 385646.140	M 961081.220	M 1251536.200	99.204%	0.000	M 15395
σ		M 6330.553	M 9143.909	M 1322.418	M 5386.683	M 2742.595	0.453%	0.000	M 191
%RSD		M 1.818	M 2.224	M 0.343	M 0.560	M 0.219	0.457	0.000	

ICV 10/30/2010 01:49:16 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	13:50:19	101.665%	40076.141	10045.153	183898.810	T 36489577.000	T 24697711.000	T 3256508.300	T 3856960.200	T
2	13:51:22	101.111%	39381.114	9861.372	188614.080	T 36822645.000	T 25112166.000	T 3328815.800	T 3928359.700	T
3	13:52:26	100.805%	40080.159	10184.244	189307.810	T 37372375.000	T 25502910.000	T 3376731.300	T 4002735.400	T
x		101.194%	39845.804	102.121%	100.094%	T 99.434%	T 25104262.000	T 100.100%	T 100.165%	
σ		0.436%	402.439	n/a	n/a	T n/a	T 402657.730	T n/a	T n/a	
%RSD		0.431	1.010	1.615	1.572	T 1.208	T 1.604	T 1.823	T 1.855	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	13:50:19	3653.078	1127559.900	T 34009683.000	1314494.500	96.978%	82.493	208819.640	197556.200
2	13:51:22	3919.524	1162519.200	T 34669858.000	1327840.000	97.532%	86.126	214376.060	201612.770
3	13:52:26	4033.358	1184396.500	T 35237877.000	1323896.900	98.599%	79.108	211430.530	200008.650
x		3868.653	1158158.600	T 100.398%	97.706%	97.703%	82.576	98.410%	99.466%
σ		195.177	28668.128	T n/a	n/a	0.824%	3.509	n/a	n/a
%RSD		5.045	2.475	T 1.775	0.519	0.843	4.250	1.314	1.023

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	13:50:19	776582.270	305706.280	T 13652818.000	578577.950	44900.140	6853.767	56169.379	57885.410
2	13:51:22	784223.640	305561.700	T 13713106.000	584370.490	45275.035	6894.982	57346.685	57846.722
3	13:52:26	780974.140	308171.760	T 13687775.000	580690.420	45349.002	6765.925	56109.064	57572.373
x		780593.350	96.698%	T 99.897%	99.450%	99.652%	100.283%	99.024%	98.263%
σ		3834.887	n/a	T n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.491	0.479	T 0.221	0.504	0.533	0.964	1.234	0.295

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	13:50:19	49825.884	23755.488	4196.860	1785.096	96.918%	393314.770	661310.590	121902.360
2	13:51:22	50350.162	23575.506	4172.351	1774.993	98.404%	397293.190	671164.530	122360.950
3	13:52:26	50387.096	23610.432	4181.980	1797.000	98.449%	399402.590	675414.010	122637.210
x		109.832%	101.174%	100.536%	101.242%	97.924%	98.068%	669296.380	92.589%
σ		n/a	n/a	n/a	n/a	0.871%	n/a	7234.923	n/a
%RSD		0.625	0.404	0.295	0.617	0.890	0.779	1.081	0.303

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	13:50:19	119785.770	33109.037	79325.920	96.504%	255063.540	198693.380	1304743.000	2409214.800
2	13:51:22	118795.650	32958.625	77386.665	98.732%	270116.040	209364.000	1284887.700	2360994.000
3	13:52:26	120794.630	32592.325	78848.354	98.462%	278104.740	216901.240	1301347.700	2399139.300
x		92.504%	99.165%	97.007%	97.899%	99.640%	99.529%	95.972%	96.535%
σ		n/a	n/a	n/a	1.216%	n/a	n/a	n/a	n/a
%RSD		0.834	0.808	1.287	1.242	4.369	4.392	0.819	1.064

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	13:50:19	165106.950	193751.280	177007.600	433927.820	604931.150	100.912%	0.000	688811.010
2	13:51:22	166262.040	196075.280	177237.390	434313.290	610057.750	101.029%	0.000	712465.960
3	13:52:26	168818.100	197133.560	179288.080	436452.210	606340.190	102.273%	0.000	719354.810
x		95.877%	95.327%	92.365%	90.684%	97.153%	101.405%	0.000	706877.260
σ		n/a	n/a	n/a	n/a	n/a	0.754%	0.000	16020.491
%RSD		1.139	0.884	0.706	0.313	0.436	0.744	0.000	2.266

ICB 10/30/2010 01:56:52 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	13:57:56	104.299%	40642.648	60.832	5548.917	214903.630	93548.563	2166.052	-1498.217	9823.598
2	13:58:59	104.391%	39979.718	60.803	5136.777	191286.780	94159.137	1988.102	-1415.558	10147.565
3	14:00:02	103.989%	40562.290	51.309	4709.647	184922.000	102964.860	3533.695	-34.361	11892.559
x		104.226%	40394.885	57.648	5131.780	197037.470	96890.853	2562.616	-982.712	10621.241
σ		0.211%	361.783	5.490	419.657	15796.434	5269.096	845.673	822.335	1112.846
%RSD		0.202	0.896	9.522	8.178	8.017	5.438	33.000	83.680	10.478

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	13:57:56	3826.432	1184384.800	-48011.983	11381.771	98.493%	77.163	1108.715	1343.721	4481.570
2	13:58:59	3707.219	1152567.000	-78121.275	11520.264	99.286%	72.518	1250.584	1122.635	3020.259
3	14:00:02	4028.552	1132645.000	-73969.558	11756.381	99.760%	86.207	790.215	1190.605	2423.656
x		3854.068	1156532.300	-66700.939	11552.805	99.180%	78.629	1049.838	1218.987	3308.495
σ		162.439	26096.847	16317.689	189.413	0.640%	6.961	235.764	113.243	1058.803
%RSD		4.215	2.256	24.464	1.640	0.645	8.853	22.457	9.290	32.003

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	13:57:56	7833.077	2090.813	20400.987	5955.944	149.354	59.738	215.812	-370.540	-45.430
2	13:58:59	8155.399	2196.280	23653.943	5955.004	126.355	80.718	53.039	-356.847	-25.724
3	14:00:02	8159.003	2348.992	30618.642	6150.925	136.677	54.658	56.079	-350.473	-54.146
x		8049.160	2212.028	24891.191	6020.624	137.462	65.038	108.310	-359.287	-41.767
σ		187.142	129.808	5219.981	112.844	11.519	13.815	93.112	10.254	14.561
%RSD		2.325	5.868	20.971	1.874	8.380	21.241	85.968	2.854	34.862
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
1	13:57:56	-302.737	151.299	-64.042	-0.991	99.123%	5163.362	10380.331	631.204	-218.729
2	13:58:59	-284.246	95.905	-22.085	1.082	98.790%	4808.327	9654.852	620.844	-194.000
3	14:00:02	-277.299	175.744	-41.745	22.407	99.234%	4507.766	9451.072	676.693	-227.282
x		-288.094	140.983	-42.624	7.499	99.049%	4826.485	9828.752	642.914	-213.337
σ		13.148	40.907	20.992	12.952	0.231%	328.175	488.428	29.709	17.284
%RSD		4.564	29.015	49.250	172.711	0.233	6.799	4.969	4.621	8.102
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
1	13:57:56	634.664	120.458	356.761	98.543%	12820.900	9836.067	10110.755	22513.151	98.959%
2	13:58:59	626.334	87.990	332.899	99.342%	11042.067	8432.030	10178.391	22575.962	100.604%
3	14:00:02	650.175	130.624	410.999	99.975%	9886.676	7563.293	10437.395	23042.437	100.189%
x		637.058	113.024	366.886	99.287%	11249.881	8610.463	10242.180	22710.517	99.917%
σ		12.099	22.268	40.022	0.717%	1478.109	1146.846	172.410	289.162	0.856%
%RSD		1.899	19.702	10.909	0.722	13.139	13.319	1.683	1.273	0.856
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
1	13:57:56	4487.700	5617.464	1808.656	6180.477	5833.518	102.258%	0.000	25373.333	15184.489
2	13:58:59	3849.272	4842.082	1812.411	6207.534	5841.663	102.542%	0.000	24446.769	15115.416
3	14:00:02	3763.391	4325.705	1861.851	6367.295	6055.506	101.885%	0.000	24167.846	15350.454
x		4033.454	4928.417	1827.640	6251.769	5910.229	102.228%	0.000	24662.649	15216.786
σ		395.725	650.193	29.687	100.959	125.879	0.329%	0.000	631.073	120.802
%RSD		9.811	13.193	1.624	1.615	2.130	0.322	0.000	2.559	0.794

ICSA 10/30/2010 02:04:30 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg
1	14:05:33	91.814%	36689.889	56.421	13932.868	TM 273457190.000	TM 184463010.000	TM 24648333.000
2	14:06:37	90.408%	35601.575	66.799	14320.051	TM 289779150.000	TM 195845020.000	TM 26213306.000
3	14:07:40	88.316%	35179.938	54.102	14627.554	TM 305776530.000	TM 206288780.000	TM 27517599.000
x		90.179%	35823.801	59.107	14293.491	TM 97.585%	TM 195532270.000	TM 98.446%
σ		1.760%	779.119	6.761	348.104	TM n/a	TM 10916244.000	TM n/a
%RSD		1.952	2.175	11.439	2.435	TM 5.579	TM 5.583	TM 5.499

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V
1	14:05:33	T 12796604.000	1331136.400	TM 254673290.000	TM 10538040.000	84.891%	569922.760	3857.599
2	14:06:37	T 12563869.000	1314259.000	TM 268763840.000	TM 10344353.000	90.054%	551326.680	1107.431
3	14:07:40	T 12797583.000	1259593.000	TM 284981680.000	TM 10521137.000	91.433%	564017.270	3789.892
x		T 12719352.000	1301662.800	TM 97.630%	TM 96.701%	88.793%	561755.570	2918.307
σ		T 134652.910	37398.027	TM n/a	TM n/a	3.449%	9502.105	1568.630
%RSD		T 1.059	2.873	TM 5.628	TM 1.025	3.884	1.692	53.751

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu
1	14:05:33	TM 30155464.000	3651.689	TM 512954220.000	6448.379	-1978.554	1113.425	1371.139
2	14:06:37	TM 29463161.000	3654.966	TM 501972320.000	6520.006	-2057.418	1143.367	1197.756
3	14:07:40	TM 29762405.000	3671.611	TM 510522750.000	6496.594	-2032.266	1278.500	1116.551
x		TM 29793677.000	3659.422	TM 92.797%	6488.327	-2022.746	1178.431	1228.482
σ		TM 347209.260	10.682	TM n/a	36.522	40.285	87.946	130.046
%RSD		TM 1.165	0.292	TM 1.134	0.563	1.992	7.463	10.586

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo
1	14:05:33	1829.860	139.647	194.619	-15.916	87.370%	M 3162174.200	TM 5551449.000
2	14:06:37	1928.974	266.308	369.984	5.691	88.874%	M 3179151.000	TM 5637717.100
3	14:07:40	1612.132	239.908	466.558	-5.838	91.810%	TM 3350127.500	TM 5576217.700
x		1790.322	215.288	343.720	-5.354	89.351%	TM 99.833%	TM 5588461.300
σ		162.079	66.824	137.859	10.812	2.258%	TM n/a	TM 44418.226
%RSD		9.053	31.039	40.108	201.934	2.527	TM 3.218	TM 0.795

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba
1	14:05:33	1220.866	418.032	746.078	86.678%	9915.678	7494.066	10512.298
2	14:06:37	1207.777	201.735	825.223	90.850%	9060.897	6919.712	10524.425
3	14:07:40	1267.219	313.487	822.242	90.850%	8698.369	6576.162	10526.627
x		1231.954	311.085	797.847	89.459%	9224.981	6996.647	10521.117
σ		31.234	108.169	44.859	2.408%	625.022	463.763	7.716
%RSD		2.535	34.771	5.622	2.692	6.775	6.628	0.073

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg
1	14:05:33	3514.621	4404.743	1844.707	6368.476	9841.724	87.781%	0.000
2	14:06:37	3434.518	4142.443	1857.037	6335.610	10031.383	88.943%	2.249
3	14:07:40	3282.002	4027.674	1869.462	6390.449	9979.339	88.018%	0.000
x		3410.380	4191.620	1857.069	6364.845	9950.815	88.248%	0.750
σ		118.173	193.285	12.378	27.599	97.994	0.614%	1.298
%RSD		3.465	4.611	0.667	0.434	0.985	0.696	173.205

ICSAB 10/30/2010 02:12:08 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg
1	14:13:11	85.720%	34682.030	7091.736	76574.691	TM 331965590.000	TM 221651320.000	TM 29315573.000
2	14:14:15	84.443%	34364.829	7436.714	78184.485	TM 340213650.000	TM 229213530.000	TM 30300854.000
3	14:15:18	83.091%	33337.013	7456.145	79313.702	TM 348916130.000	TM 235683270.000	TM 31209573.000
x		84.418%	34127.957	93.263%	104.256%	TM 114.663%	TM 228849380.000	TM 114.079%
σ		1.315%	703.100	n/a	n/a	TM n/a	TM 7023059.200	TM n/a
%RSD		1.558	2.060	2.798	1.764	TM 2.490	TM 3.069	TM 3.129

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V
1	14:13:11	T 12673055.000	1266569.500	TM 304795140.000	TM 10538412.000	95.138%	559541.810	139718.590
2	14:14:15	T 12869490.000	T 1366662.300	TM 315515500.000	TM 10552765.000	96.486%	557366.880	137183.990
3	14:15:18	T 12676292.000	T 1357914.300	TM 322518320.000	TM 10523648.000	98.118%	555850.730	138542.730
x		T 12739613.000	T 1330382.000	TM 113.862%	TM 97.351%	96.580%	557586.470	80.528%
σ		T 112489.250	T 55436.142	TM n/a	TM n/a	1.492%	1855.314	n/a
%RSD		T 0.883	T 4.167	TM 2.840	TM 0.138	1.545	0.333	0.916

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu

1	14:13:11	TM 29708122.000	219531.530	TM 508284070.000	192506.630	69770.331	11982.439	90938.380
2	14:14:15	TM 29711730.000	220169.200	TM 507004770.000	190149.220	70178.401	12192.116	90666.489
3	14:15:18	TM 29607484.000	217958.880	TM 503892350.000	188753.700	68691.175	12181.719	89490.233
x		TM 29675778.000	86.458%	TM 92.416%	81.477%	76.707%	88.861%	79.131%
σ		TM 59172.598	n/a	TM n/a	n/a	n/a	n/a	n/a
%RSD		TM 0.199	0.519	TM 0.446	0.996	1.105	0.975	0.852

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo
1	14:13:11	73979.258	17856.063	3321.391	1209.615	94.392%	TM 3308974.500	TM 5470659.200
2	14:14:15	73030.099	17520.322	3485.793	1179.483	95.606%	M 3109492.100	TM 5514758.900
3	14:15:18	72166.815	17960.032	3624.023	1198.898	95.672%	TM 3349903.800	TM 5571169.200
x		79.942%	95.083%	104.443%	84.760%	95.224%	TM 100.626%	TM 5518862.400
σ		n/a	n/a	n/a	n/a	0.721%	TM n/a	TM 50380.479
%RSD		1.241	1.293	4.357	1.277	0.757	TM 3.950	TM 0.913

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba
1	14:13:11	90711.809	25767.266	60558.948	91.751%	491147.230	382823.860	423067.070
2	14:14:15	89481.859	25372.278	61147.771	93.343%	490425.890	380429.520	428480.160
3	14:15:18	88679.141	25336.548	61091.987	94.625%	484822.860	376676.740	418299.400
x		86.511%	96.085%	94.098%	93.239%	90.946%	90.771%	78.303%
σ		n/a	n/a	n/a	1.440%	n/a	n/a	n/a
%RSD		1.142	0.938	0.533	1.544	0.708	0.815	1.203

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg
1	14:13:11	121424.830	141779.080	126736.580	306622.870	421899.250	88.295%	0.000
2	14:14:15	120599.160	141667.390	124579.930	302915.180	427107.780	88.268%	0.000
3	14:15:18	122111.810	143159.930	128876.610	311705.370	431621.480	86.589%	0.000
x		87.248%	86.605%	82.274%	80.040%	85.389%	87.717%	0.000
σ		n/a	n/a	n/a	n/a	n/a	0.977%	0.000
%RSD		0.624	0.585	1.695	1.437	1.140	1.114	0.000

CCV 10/30/2010 02:19:45 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	14:20:49	90.185%	35778.266	4428.882	88660.962	T 20034101.000	T 12986679.000	1705229.900	2074232.600	10
2	14:21:52	92.028%	36228.042	4545.137	88666.088	T 20089670.000	T 13007175.000	1748949.700	2079753.000	11
3	14:22:55	92.038%	37083.481	4568.581	91148.035	T 20422689.000	T 13297598.000	1782585.100	T 2047124.500	11
x		91.417%	36363.263	114.901%	119.579%	T 135.980%	T 13097150.000	131.549%	T 131.730%	
σ		1.067%	663.031	n/a	n/a	T n/a	T 173895.100	n/a	T n/a	
%RSD		1.167	1.823	1.657	1.603	T 1.041	T 1.328	2.222	T 0.845	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	14:20:49	9627.975	T 1301824.000	T 18679828.000	520557.430	111.699%	363.485	80273.164	76260.769
2	14:21:52	15456.097	T 1329460.700	T 18808285.000	525441.330	112.827%	508.758	80848.599	76669.560
3	14:22:55	13266.391	T 1341635.500	T 19047637.000	528458.710	115.079%	526.613	81295.723	75782.348
x		12783.487	T 1324306.700	T 136.552%	96.964%	113.202%	466.285	93.978%	94.918%
σ		2943.917	T 20400.061	T n/a	n/a	1.721%	89.474	n/a	n/a
%RSD		23.029	T 1.540	T 0.991	0.760	1.520	19.189	0.634	0.582

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	14:20:49	310596.350	119680.430	T 5539180.000	217149.580	17335.281	2929.858	21504.065	22751.436
2	14:21:52	323002.280	120562.700	T 5785102.600	218029.080	17290.522	2987.596	21663.023	22666.227
3	14:22:55	317605.530	119464.740	T 5722167.400	217508.970	17333.925	2985.079	21385.312	22475.401
x		317068.050	94.577%	T 103.698%	93.067%	95.516%	108.796%	94.212%	96.238%
σ		6220.406	n/a	T n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.962	0.485	T 2.248	0.203	0.147	1.100	0.648	0.625

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	14:20:49	17896.043	9005.518	1739.514	695.195	109.719%	154526.370	261615.380	51440.314
2	14:21:52	18033.553	9093.406	1874.541	688.911	110.987%	157141.130	261601.770	51170.706
3	14:22:55	17944.251	9227.442	1838.683	689.402	111.753%	158820.650	263695.250	50628.596
x		98.249%	97.430%	109.192%	97.966%	110.819%	96.932%	262304.130	96.677%
σ		n/a	n/a	n/a	n/a	1.027%	n/a	1204.761	n/a
%RSD		0.389	1.227	3.848	0.506	0.927	1.380	0.459	0.809

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	14:20:49	49087.486	12557.308	30979.673	107.656%	88387.416	69068.674	246314.480	445830.240
2	14:21:52	50065.207	12639.759	30960.166	108.476%	99145.672	77066.146	246263.630	441235.750
3	14:22:55	49088.255	13059.244	30917.258	110.372%	103246.190	80742.603	247866.450	446368.860
x		95.394%	96.131%	95.599%	108.835%	90.171%	90.330%	91.316%	89.773%
σ		n/a	n/a	n/a	1.393%	n/a	n/a	n/a	n/a
%RSD		1.142	2.111	0.103	1.280	7.917	7.892	0.369	0.635

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	14:20:49	65650.348	76968.972	73587.782	177893.830	234070.100	104.009%	0.000	252299.550	2
2	14:21:52	65039.857	77172.685	74472.104	179183.150	237870.010	102.564%	0.000	272843.870	2
3	14:22:55	65903.556	77578.267	73785.434	178542.690	237257.250	105.177%	0.000	273350.600	2
x		94.208%	94.083%	96.014%	93.072%	94.575%	103.917%	0.000	266164.680	2
σ		n/a	n/a	n/a	n/a	n/a	1.309%	0.000	12010.224	
%RSD		0.678	0.402	0.628	0.361	0.863	1.259	0.000	4.512	

CCB 10/30/2010 02:27:21 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	14:28:24	93.593%	37384.711	68.725	4064.443	934242.980	168893.010	11775.435	10764.879	65495.812
2	14:29:27	94.568%	37416.843	55.628	3579.930	T 1028026.300	180020.360	13346.961	12500.119	74596.235
3	14:30:31	94.709%	38019.335	66.147	3438.085	876609.430	160234.250	10828.345	9151.871	61779.285
x		94.290%	37606.963	63.500	3694.153	T 946292.920	169715.870	11983.580	10805.623	67290.444
σ		0.608%	357.486	6.938	328.430	T 76424.283	9918.686	1272.144	1674.496	6594.246
%RSD		0.645	0.951	10.926	8.891	T 8.076	5.844	10.616	15.497	9.800

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	14:28:24	7048.599	T 1265241.100	T 786842.930	14148.388	112.241%	256.594	1131.151	1382.713	6143.997
2	14:29:27	7848.802	T 1262700.300	T 748768.020	14050.222	113.806%	270.641	1048.878	1469.608	4913.951
3	14:30:31	6881.905	T 1285000.900	686211.230	13892.933	113.855%	256.471	2056.240	1350.990	3939.215
x		7259.769	T 1270980.800	T 740607.390	14030.514	113.301%	261.236	1412.090	1401.104	4999.055
σ		516.882	T 12208.097	T 50809.758	128.863	0.918%	8.146	559.365	61.410	1104.852
%RSD		7.120	T 0.961	T 6.861	0.918	0.810	3.118	39.613	4.383	22.101

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	14:28:24	14981.624	2399.250	178828.010	6151.785	175.623	137.259	-71.438	-353.340	-28.981
2	14:29:27	16147.901	2362.977	203085.760	6194.926	110.644	116.634	-73.581	-329.770	-31.718
3	14:30:31	14649.923	2311.625	175802.440	6055.994	193.103	104.140	-167.089	-333.155	-26.478
x		15259.816	2357.950	185905.400	6134.235	159.790	119.344	-104.036	-338.755	-29.059
σ		786.783	44.028	14955.332	71.109	43.450	16.725	54.616	12.744	2.621
%RSD		5.156	1.867	8.045	1.159	27.192	14.014	52.497	3.762	9.020

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	14:28:24	-285.341	107.288	139.236	6.114	109.726%	6204.664	12005.514	678.447	-191.326
2	14:29:27	-277.882	229.471	160.818	13.366	110.336%	5911.078	11913.852	666.089	-251.174
3	14:30:31	-314.872	196.198	147.682	4.989	110.885%	5553.647	11046.309	674.722	-241.227
x		-292.698	177.652	149.245	8.156	110.316%	5889.796	11655.225	673.086	-227.909
σ		19.562	63.168	10.876	4.547	0.580%	326.030	529.324	6.339	32.070
%RSD		6.683	35.557	7.287	55.747	0.526	5.536	4.542	0.942	14.071

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	14:28:24	669.044	97.790	344.262	107.431%	8696.033	6568.704	10405.819	23081.123	105.500%
2	14:29:27	675.242	165.381	440.931	109.218%	7748.190	5910.434	10494.560	23147.295	107.781%
3	14:30:31	662.019	144.507	419.316	109.932%	7140.859	5415.427	10387.701	22923.533	107.336%
x		668.768	135.893	401.503	108.860%	7861.694	5964.855	10429.360	23050.650	106.872%
σ		6.616	34.609	50.737	1.288%	783.776	578.561	57.187	114.952	1.209%
%RSD		0.989	25.468	12.637	1.183	9.970	9.700	0.548	0.499	1.131

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	14:28:24	2094.035	2760.600	1916.487	6501.671	6074.948	104.584%	0.000	23691.814	15262.154
2	14:29:27	2150.666	2759.334	1924.906	6510.307	6039.033	105.291%	0.000	23126.546	15307.165
3	14:30:31	1814.719	2452.617	1869.711	6430.169	6057.389	103.635%	0.000	22724.730	15269.394
x		2019.807	2657.517	1903.701	6480.716	6057.123	104.503%	0.000	23181.030	15279.571
σ		179.854	177.450	29.736	43.987	17.959	0.831%	0.000	485.839	24.170
%RSD		8.905	6.677	1.562	0.679	0.296	0.795	0.000	2.096	0.158

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	14:36:00	94.514%	38159.922	58.817	3408.839	972650.090	181942.830	14049.369	11953.768	93904.380
2	14:37:04	95.608%	37706.034	63.708	3399.796	936947.070	173146.150	12333.671	11522.922	84549.944
3	14:38:07	96.675%	38412.985	67.464	3241.061	885764.280	173239.640	12424.660	11246.786	85241.493
x		95.599%	38092.980	63.330	3349.899	931787.140	176109.540	12935.900	11574.492	87898.606
σ		1.080%	358.198	4.336	94.365	43672.127	5051.991	965.365	356.301	5212.634
%RSD		1.130	0.940	6.847	2.817	4.687	2.869	7.463	3.078	5.930

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	14:36:00	11856.669	┬1198509.800	581950.750	15566.120	110.515%	345.661	1863.283	3722.065	5786.644
2	14:37:04	11137.433	┬1184680.000	531969.420	15660.631	112.347%	345.365	1211.447	3635.429	4757.070
3	14:38:07	11384.873	┬1204123.600	┬473936.060	15349.438	113.459%	312.013	1570.984	3738.472	3750.343
x		11459.658	┬1195771.100	┬529285.410	15525.396	112.107%	334.346	1548.572	3698.655	4764.686
σ		365.403	┬10006.923	┬54057.345	159.543	1.486%	19.342	326.495	55.367	1018.172
%RSD		3.189	┬0.837	┬10.213	1.028	1.326	5.785	21.084	1.497	21.369

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
1	14:36:00	39015.422	5290.969	459026.640	6077.054	338.522	99.472	862.464	1696.838	301.508
2	14:37:04	38140.592	5051.572	434581.540	6078.499	329.890	147.490	912.311	1535.350	254.010
3	14:38:07	37796.225	5144.753	436580.150	6083.195	284.121	114.505	853.074	1594.830	262.878
x		38317.413	5162.432	443396.110	6079.583	317.511	120.489	875.949	1609.006	272.799
σ		628.538	120.674	13573.274	3.211	29.237	24.562	31.838	81.672	25.255
%RSD		1.640	2.338	3.061	0.053	9.208	20.385	3.635	5.076	9.258

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	14:36:00	1050.253	87.278	23.052	3.256	109.772%	5559.914	11348.901	671.670	-185.531
2	14:37:04	1024.813	90.846	58.959	-4.187	110.430%	5310.715	10932.887	636.889	-215.439
3	14:38:07	1023.880	164.299	84.946	3.195	111.381%	5231.363	10666.821	682.183	-207.131
x		1032.982	114.141	55.652	0.755	110.528%	5367.331	10982.870	663.581	-202.700
σ		14.964	43.475	31.079	4.280	0.808%	171.436	343.776	23.706	15.438
%RSD		1.449	38.088	55.845	567.147	0.731	3.194	3.130	3.572	7.616

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	14:36:00	636.828	95.454	174.627	109.094%	7389.302	5561.176	10309.941	22898.895	108.187%
2	14:37:04	660.734	134.029	289.998	108.961%	6730.552	5050.291	10330.497	22862.895	108.980%
3	14:38:07	653.033	111.063	241.471	109.701%	6376.974	4775.159	10326.509	22813.601	108.513%
x		650.198	113.515	235.365	109.252%	6832.276	5128.875	10322.316	22858.464	108.560%
σ		12.203	19.404	57.927	0.394%	513.773	398.857	10.901	42.819	0.399%
%RSD		1.877	17.094	24.612	0.361	7.520	7.777	0.106	0.187	0.367

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	14:36:00	6203.973	7362.944	1852.064	6329.199	6301.767	108.091%	0.000	27073.054	15255.729
2	14:37:04	5558.074	6749.286	1847.107	6343.797	6301.179	107.389%	0.000	24717.752	15241.339
3	14:38:07	5098.650	6182.997	1865.210	6333.330	6396.311	107.900%	0.000	23593.268	15191.495
x		5620.233	6765.076	1854.794	6335.442	6333.086	107.793%	0.000	25128.025	15229.521
σ		555.277	590.132	9.355	7.525	54.756	0.363%	0.000	1775.801	33.708
%RSD		9.880	8.723	0.504	0.119	0.865	0.337	0.000	7.067	0.221

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	14:43:35	92.855%	36713.986	11012.674	205350.870	┬42846108.000	┬28763155.000	┬3808987.300	┬4490959.800
2	14:44:39	93.897%	37754.234	10911.038	209248.110	┬43270806.000	┬28909409.000	┬3839063.500	┬4539426.200
3	14:45:42	93.608%	36991.106	11055.862	212147.920	┬43728146.000	┬29328813.000	┬3898850.500	┬4593858.400
x		93.453%	37153.109	10993.191	208915.630	┬43281687.000	┬29000459.000	┬3848967.100	┬4541414.800
σ		0.538%	538.714	74.352	3410.704	┬441119.380	┬293615.250	┬45742.861	┬51478.081
%RSD		0.576	1.450	0.676	1.633	┬1.019	┬1.012	┬1.188	┬1.134

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	14:43:35	9425.965	1164292.000	┬40306583.000	1302696.900	103.812%	236.970	207985.750	199499.080
2	14:44:39	9540.380	┬1252497.800	┬40588663.000	1295915.000	106.302%	235.181	205265.820	195663.340
3	14:45:42	9967.320	┬1240093.000	┬41169438.000	1306159.100	107.293%	223.688	206411.320	197257.060
x		9644.555	┬1218960.900	┬40688228.000	1301590.300	105.803%	231.947	206554.300	197473.160
σ		285.317	┬47749.215	┬439959.370	5210.955	1.794%	7.208	1365.587	1926.978
%RSD		2.958	┬3.917	┬1.081	0.400	1.695	3.107	0.661	0.976

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	14:43:35	792010.910	306168.960	T 13820008.000	574463.650	44939.998	6785.104	55312.510	56895.903
2	14:44:39	788316.780	306950.920	T 13701008.000	569570.490	44048.595	6964.631	55816.939	55864.165
3	14:45:42	794864.510	306301.610	T 13826998.000	574644.120	45187.204	6899.019	55314.679	56439.960
x		791730.730	306473.830	T 13782671.000	572892.750	44725.265	6882.918	55481.376	56400.009
σ		3282.844	418.461	T 70808.949	2878.581	598.908	90.840	290.608	517.028
%RSD		0.415	0.137	T 0.514	0.502	1.339	1.320	0.524	0.917

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	14:43:35	49681.828	22563.542	3836.706	1653.679	103.607%	391891.000	663755.490	117985.880
2	14:44:39	48908.915	23028.686	3948.241	1674.349	104.383%	397661.290	668798.370	120789.280
3	14:45:42	50304.962	22958.092	3885.934	1665.800	106.458%	393606.370	661952.970	121900.810
x		49631.902	22850.107	3890.294	1664.609	104.816%	394386.220	664835.610	120225.320
σ		699.361	250.670	55.895	10.386	1.474%	2963.140	3548.217	2017.473
%RSD		1.409	1.097	1.437	0.624	1.406	0.751	0.534	1.678

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	14:43:35	118097.870	31078.534	75464.495	104.687%	274094.070	213968.380	1271444.900	2333590.000
2	14:44:39	118842.050	31768.292	77769.827	104.558%	278235.960	216743.830	1296712.800	2376194.900
3	14:45:42	119346.180	31526.428	77168.884	105.191%	279905.540	218199.640	1301367.800	2378506.000
x		118762.030	31457.751	76801.068	104.812%	277411.860	216303.950	1289841.800	2362763.600
σ		627.990	349.970	1195.870	0.335%	2992.100	2149.651	16101.352	25291.532
%RSD		0.529	1.113	1.557	0.319	1.079	0.994	1.248	1.070

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	14:43:35	175425.010	205634.770	179004.550	439137.170	611560.890	105.747%	0.000	721427.370
2	14:44:39	175556.670	209005.490	175698.600	436871.370	606071.350	107.079%	0.000	725059.080
3	14:45:42	176223.750	209293.350	179311.340	437919.490	610136.710	106.831%	0.000	737164.540
x		175735.140	207977.870	178004.830	437976.010	609256.310	106.552%	0.000	727883.660
σ		428.240	2034.286	2003.138	1133.957	2848.697	0.709%	0.000	8240.042
%RSD		0.244	0.978	1.125	0.259	0.468	0.665	0.000	1.132

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26
1	14:51:10	92.453%	36617.598	68.130	5627.280	T 43275174.000	T 11396197.000	1536260.100	1819406.
2	14:52:13	95.010%	38047.452	62.872	5037.833	T 45282216.000	T 11883391.000	1603852.900	1903072.
3	14:53:17	96.435%	37742.184	67.559	4842.764	T 46633130.000	T 12299615.000	1669919.400	1970436.
x		94.633%	37469.078	66.187	5169.292	T 45063506.000	T 11859734.000	1603344.100	1897638.
σ		2.017%	753.034	2.885	408.445	T 1689627.800	T 452172.940	66831.117	75661.
%RSD		2.132	2.010	4.359	7.901	T 3.749	T 3.813	4.168	3.

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	5
1	14:51:10	T 9853370.900	1096125.700	TM 125965670.000	TM 11627575.000	106.369%	21126.211	3139.162	23751.
2	14:52:13	T 9908433.900	T 1155149.600	TM 130898600.000	TM 11577591.000	113.286%	20531.819	3325.061	23103.
3	14:53:17	T 9969130.200	T 1144022.000	TM 135792440.000	TM 11682832.000	117.831%	20177.219	2594.799	23167.
x		T 9910311.700	T 1131765.800	TM 130885570.000	TM 11629333.000	112.495%	20611.750	3019.674	23340.
σ		T 57902.503	T 31362.649	TM 4913396.800	TM 52642.128	5.772%	479.519	379.511	357.
%RSD		T 0.584	T 2.771	TM 3.754	TM 0.453	5.131	2.326	12.568	1.

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	6
1	14:51:10	73214.005	173879.250	1018210.500	7071.700	-848.038	428.758	4458.073	M 317028.
2	14:52:13	72032.235	172912.170	1010966.300	7008.741	-781.659	427.705	4178.139	M 317618.
3	14:53:17	72802.981	172649.340	1013394.300	6924.546	-802.325	416.755	4226.597	M 315563.
x		72683.074	173146.920	1014190.400	7001.663	-810.674	424.406	4287.603	M 316736.
σ		599.940	647.688	3687.150	73.832	33.968	6.647	149.606	M 1058.
%RSD		0.825	0.374	0.364	1.054	4.190	1.566	3.489	M 0.

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	10
1	14:51:10	M 223420.140	506.460	369.414	158.061	104.280%	5372.736	10824.666	731.
2	14:52:13	M 219813.530	595.057	368.748	152.674	111.650%	5141.663	10552.025	717.
3	14:53:17	M 220355.810	567.676	410.866	143.968	115.030%	4988.793	10192.823	703.
x		M 221196.490	556.398	383.009	151.568	110.320%	5167.731	10523.171	717.
σ		M 1944.728	45.363	24.127	7.112	5.497%	193.294	316.908	13.
%RSD		M 0.879	8.153	6.299	4.692	4.983	3.740	3.012	1.

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	13
1	14:51:10	752.424	162.135	423.046	105.083%	5690.053	4285.549	31895.862	61468.
2	14:52:13	712.586	160.702	240.565	110.297%	5466.522	4082.283	31153.846	60459.
3	14:53:17	691.852	117.782	277.997	113.426%	5365.542	3982.023	31755.010	60181.
x		718.954	146.873	313.869	109.602%	5507.372	4116.618	31601.573	60703.
σ		30.784	25.204	96.384	4.215%	166.067	154.648	394.087	677.
%RSD		4.282	17.160	30.708	3.846	3.015	3.757	1.247	1.

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	23
1	14:51:10	4879.120	5926.656	1983.330	6602.828	10770.151	104.625%	0.000	23864.
2	14:52:13	4358.248	5370.661	1897.792	6520.081	10645.237	107.086%	0.000	22851.
3	14:53:17	4174.903	5013.801	1961.593	6563.171	10728.651	107.902%	0.000	22356.
x		4470.757	5437.040	1947.572	6562.027	10714.680	106.538%	0.000	23024.
σ		365.341	460.033	44.459	41.385	63.618	1.706%	0.000	768.
%RSD		8.172	8.461	2.283	0.631	0.594	1.601	0.000	3.

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	14:58:45	97.376%	39264.611	57.946	3908.118	T 22987137.000	T 7599639.400	1010157.800	1199770.700
2	14:59:49	98.853%	39409.235	51.447	3804.505	T 23219259.000	T 7780671.100	1027600.000	1224853.400
3	15:00:52	100.119%	39983.736	70.143	3685.628	T 23668905.000	T 7938553.300	1047308.900	1247308.500
x		98.783%	39552.527	59.845	3799.417	T 23291767.000	T 7772954.600	1028355.600	1223977.500
σ		1.373%	380.374	9.492	111.332	T 346619.340	T 169588.660	18587.088	23781.008
%RSD		1.389	0.962	15.860	2.930	T 1.488	T 2.182	1.807	1.943

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	14:58:45	T 3050637.000	T 1095432.300	TM 153359060.000	435702.790	119.724%	6380.705	3171.183	8331.286
2	14:59:49	T 3113621.900	T 1116891.600	TM 156206760.000	440205.920	121.244%	6269.330	2245.799	8552.811
3	15:00:52	T 3100915.500	T 1120521.700	TM 157771170.000	438225.850	124.896%	6448.198	2240.676	8478.911
x		T 3088391.500	T 1110948.500	TM 155779000.000	438044.850	121.955%	6366.078	2552.553	8454.336
σ		T 33307.845	T 13559.481	TM 2236943.700	2257.011	2.659%	90.327	535.756	112.789
%RSD		T 1.078	T 1.221	TM 1.436	0.515	2.180	1.419	20.989	1.334

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	14:58:45	26748.499	11872.296	113161.420	6095.433	473.193	137.484	2566.200	M 159832.660
2	14:59:49	26714.148	12238.490	120708.190	6098.806	462.706	136.443	2374.674	M 159415.480
3	15:00:52	26497.892	12218.867	115812.810	6107.197	411.959	159.333	2413.921	M 158153.450
x		26653.513	12109.884	116560.810	6100.479	449.286	144.420	2451.598	M 159133.860
σ		135.861	205.991	3828.581	6.058	32.749	12.926	101.169	M 874.308
%RSD		0.510	1.701	3.285	0.099	7.289	8.950	4.127	M 0.549

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	14:58:45	M 112042.190	473.608	297.908	114.231	116.297%	3705.878	8132.366	624.760
2	14:59:49	M 111010.940	425.445	383.561	112.625	117.981%	3615.523	8125.117	627.312
3	15:00:52	M 110792.640	430.507	364.829	131.846	120.741%	3605.455	8060.918	628.595
x		M 111281.920	443.187	348.766	119.567	118.340%	3642.285	8106.134	626.889
σ		M 667.396	26.467	45.029	10.664	2.244%	55.303	39.325	1.952
%RSD		M 0.600	5.972	12.911	8.919	1.896	1.518	0.485	0.311

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	14:58:45	649.719	84.758	162.857	113.001%	4976.388	3730.877	10814.619	23797.301
2	14:59:49	631.084	130.512	382.966	116.423%	4897.388	3634.826	10813.280	23712.411
3	15:00:52	623.908	119.272	205.078	117.913%	4846.070	3608.502	10738.665	23559.010
x		634.904	111.514	250.300	115.779%	4906.615	3658.068	10788.854	23689.574
σ		13.323	23.843	116.815	2.518%	65.647	64.413	43.471	120.776
%RSD		2.098	21.381	46.670	2.175	1.338	1.761	0.403	0.510

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	14:58:45	3708.532	4647.761	1839.460	6272.272	6677.694	110.034%	0.000	21537.615
2	14:59:49	3507.184	4304.021	1834.036	6277.795	6645.489	109.993%	1.818	21403.647
3	15:00:52	3321.869	4319.744	1818.690	6242.066	6703.557	108.210%	0.000	21397.302
x		3512.529	4423.842	1830.728	6264.045	6675.580	109.412%	0.606	21446.188
σ		193.387	194.079	10.773	19.233	29.092	1.041%	1.050	79.242
%RSD		5.506	4.387	0.588	0.307	0.436	0.952	173.205	0.369

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	15:06:20	92.354%	41237.317	104.987	332056.170	T 15370172.000	T 10998451.000	1471425.500	1750663.200
2	15:07:24	91.327%	40968.104	93.795	332698.040	T 15547859.000	T 11139476.000	1498092.200	1773832.200
3	15:08:27	91.244%	40654.701	107.006	337226.680	T 15684540.000	T 11236220.000	1502746.900	1795513.000
x		91.642%	40953.374	101.929	333993.630	T 15534191.000	T 11124716.000	1490754.900	1773336.100
σ		0.618%	291.587	7.117	2818.235	T 157629.030	T 119569.790	16900.748	22429.034
%RSD		0.675	0.712	6.982	0.844	T 1.015	T 1.075	1.134	1.265

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	15:06:20	300400.320	1023233.300	T 36562017.000	TM 4255233.600	111.868%	8509.102	17379.729	15158.067
2	15:07:24	301005.550	T 1174593.100	T 36931757.000	TM 4242784.900	111.754%	8856.382	18752.815	14428.244
3	15:08:27	302939.160	T 1205663.500	T 36783161.000	TM 4306241.500	110.282%	8101.385	17816.825	15063.190
x		301448.340	T 1134496.600	T 36758978.000	TM 4268086.700	111.302%	8488.957	17983.123	14883.167
σ		1326.074	T 97601.198	T 186052.240	TM 33624.188	0.885%	377.902	701.486	396.821
%RSD		0.440	T 8.603	T 0.506	TM 0.788	0.795	4.452	3.901	2.666

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	15:06:20	1369393.700	TM 4787016.200	T 23613277.000	13502.581	3149.186	802.198	9283.006	56734.987
2	15:07:24	1360038.700	TM 4770162.300	T 23500110.000	13415.457	3104.635	769.355	9306.030	56470.636
3	15:08:27	1378185.700	TM 4850375.100	T 23775682.000	13661.816	3302.608	718.871	9470.758	57047.264
x		1369206.100	TM 4802517.800	T 23629689.000	13526.618	3185.476	763.475	9353.265	56750.962
σ		9074.934	TM 42293.642	T 138517.270	124.926	103.856	41.974	102.401	288.646
%RSD		0.663	TM 0.881	T 0.586	0.924	3.260	5.498	1.095	0.509

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	15:06:20	41059.258	4005.296	115.045	64.992	113.354%	5094.720	10449.643	668.996
2	15:07:24	40731.103	3967.698	163.825	59.289	112.734%	5037.254	10238.356	729.353
3	15:08:27	40791.281	3922.158	153.611	62.143	113.810%	5066.809	10465.332	729.882
x		40860.547	3965.051	144.161	62.141	113.299%	5066.261	10384.444	709.410
σ		174.699	41.632	25.726	2.851	0.540%	28.737	126.759	35.001
%RSD		0.428	1.050	17.846	4.589	0.477	0.567	1.221	4.934

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	15:06:20	737.662	496.097	830.852	107.637%	6190.786	4668.993	124473.210	224060.220
2	15:07:24	734.843	458.753	1046.334	108.405%	6098.738	4620.836	121965.960	221200.190
3	15:08:27	700.656	442.446	993.031	109.460%	6028.381	4561.228	122522.050	220766.920
x		724.387	465.765	956.739	108.501%	6105.968	4617.019	122987.070	222009.110
σ		20.600	27.504	112.231	0.915%	81.444	53.984	1316.725	1789.478
%RSD		2.844	5.905	11.731	0.844	1.334	1.169	1.071	0.806

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	15:06:20	4223.112	4956.914	2434.079	7660.425	324640.830	104.983%	0.000	34221.459
2	15:07:24	3980.052	4838.987	2436.126	7690.009	326070.030	104.667%	1.911	33279.101
3	15:08:27	3902.540	4666.065	2514.099	7703.557	325530.860	103.664%	0.000	33381.696
x		4035.235	4820.655	2461.435	7684.664	325413.910	104.438%	0.637	33627.419
σ		167.258	146.289	45.620	22.058	721.744	0.689%	1.103	517.005
%RSD		4.145	3.035	1.853	0.287	0.222	0.659	173.205	1.537

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	15:13:55	90.776%	36220.010	65.545	13506.224	T 26349851.000	T 7020391.600	927234.130	1103425.800	42
2	15:14:59	91.361%	36866.602	58.745	13208.156	T 26957880.000	T 7256554.400	947821.330	1128995.100	41
3	15:16:02	92.239%	38007.285	53.043	12861.471	T 27294701.000	T 7301080.800	964992.530	1149439.700	42
x		91.459%	37031.299	59.111	13191.950	T 26867477.000	T 7192675.600	946682.670	1127286.800	42
σ		0.736%	904.948	6.259	322.682	T 478868.200	T 150854.160	18904.936	23054.472	
%RSD		0.805	2.444	10.589	2.446	T 1.782	T 2.097	1.997	2.045	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	15:13:55	495753.400	1054536.500	TM 133175290.000	1090099.500	106.081%	1945.898	3552.533	6682.074	
2	15:14:59	494110.380	T 1195668.500	TM 135528340.000	1080413.300	109.628%	1963.243	3622.580	6617.898	
3	15:16:02	505799.780	T 1233207.600	TM 136508870.000	1102265.000	110.533%	2227.688	4074.044	6341.383	
x		498554.520	T 1161137.500	TM 135070830.000	1090926.000	108.747%	2045.609	3749.719	6547.118	
σ		6328.127	T 94207.935	TM 1713234.600	10949.306	2.353%	157.923	283.049	181.039	
%RSD		1.269	T 8.113	TM 1.268	1.004	2.164	7.720	7.549	2.765	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	

1	15:13:55	253598.790	284987.900	T 4377898.300	7529.491	614.871	200.813	4587.939	31019.709	
2	15:14:59	251665.220	284744.580	T 4354004.400	7593.388	601.583	239.869	4160.914	30178.580	
3	15:16:02	252690.150	286480.480	T 4376720.200	7564.530	598.744	278.544	4281.627	30549.818	
x		252651.380	285404.320	T 4369540.900	7562.470	605.066	239.742	4343.493	30582.702	
σ		967.368	939.890	T 13467.929	31.998	8.609	38.866	220.132	421.528	
%RSD		0.383	0.329	T 0.308	0.423	1.423	16.211	5.068	1.378	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	1
1	15:13:55	21904.121	1392.084	374.088	140.646	106.205%	4827.935	9817.461	619.566	
2	15:14:59	21614.424	1285.619	431.800	176.879	108.352%	4837.027	9848.495	617.063	
3	15:16:02	21765.179	1389.306	490.671	191.087	109.179%	4775.156	9760.281	637.511	
x		21761.242	1355.670	432.186	169.537	107.912%	4813.373	9808.746	624.713	
σ		144.889	60.681	58.292	26.010	1.535%	33.407	44.748	11.153	
%RSD		0.666	4.476	13.488	15.342	1.423	0.694	0.456	1.785	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	15:13:55	646.121	206.262	585.225	104.441%	4806.750	3598.131	43103.033	81107.584	1
2	15:14:59	644.945	170.188	393.993	107.184%	4756.182	3541.997	43376.505	81562.915	1
3	15:16:02	618.787	177.451	448.095	107.380%	4745.043	3529.979	43285.551	81478.916	1
x		636.618	184.634	475.771	106.335%	4769.325	3556.702	43255.030	81383.138	1
σ		15.453	19.080	98.575	1.643%	32.886	36.378	139.267	242.305	
%RSD		2.427	10.334	20.719	1.545	0.690	1.023	0.322	0.298	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	15:13:55	2744.585	3311.708	2189.352	7028.156	41637.901	101.963%	0.000	22096.404	1
2	15:14:59	2508.818	3286.395	2206.043	7031.499	40708.018	103.513%	0.000	22103.807	1
3	15:16:02	2521.309	3095.539	2149.541	7041.962	41643.950	103.636%	1.930	22062.563	1
x		2591.571	3231.214	2181.645	7033.872	41329.956	103.037%	0.643	22087.591	1
σ		132.661	118.178	29.029	7.203	538.623	0.933%	1.114	21.989	
%RSD		5.119	3.657	1.331	0.102	1.303	0.905	173.205	0.100	

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27A
1	15:21:31	94.407%	37079.465	58.851	4914.381	T 6167319.400	1519714.600	184733.160	215965.090	94420.92
2	15:22:35	94.768%	38481.272	59.793	4803.681	T 6165587.500	1538493.700	184159.010	217171.220	93826.89
3	15:23:38	95.887%	38718.276	60.478	4674.989	T 6148620.300	1538081.100	186525.460	216014.310	92227.07
x		95.021%	38093.004	59.707	4797.684	T 6160509.100	1532096.500	185139.210	216383.540	93491.63
σ		0.772%	885.714	0.817	119.808	T 10332.302	10725.004	1234.376	682.590	1134.70
%RSD		0.812	2.325	1.369	2.497	T 0.168	0.700	0.667	0.315	1.21

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl (
1	15:21:31	103062.630	1055212.400	T 26916668.000	221339.070	108.964%	464.386	2169.840	2210.029	7501.50
2	15:22:35	103947.830	T 1208574.700	T 27311551.000	222561.730	110.947%	539.014	2343.591	2341.803	6172.13
3	15:23:38	102538.880	T 1190329.400	T 27116262.000	219297.570	112.904%	474.754	1999.994	2200.299	5478.02
x		103183.110	T 1151372.200	T 27114827.000	221066.120	110.938%	492.718	2171.142	2250.710	6383.88
σ		712.161	T 83774.939	T 197445.360	1649.108	1.970%	40.428	171.802	79.039	1028.22
%RSD		0.690	T 7.276	T 0.728	0.746	1.776	8.205	7.913	3.512	16.10

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zı
1	15:21:31	56804.762	58928.956	850205.760	6238.310	232.016	157.128	679.610	6328.027	909.31
2	15:22:35	56483.622	59925.377	852230.090	6232.962	194.686	169.872	738.042	6251.453	977.80
3	15:23:38	56488.917	59150.359	845747.430	6259.777	236.705	125.598	720.412	6469.940	978.60
x		56592.434	59334.897	849394.430	6243.683	221.136	150.866	712.688	6349.807	955.24
σ		183.901	523.215	3316.610	14.192	23.026	22.791	29.972	110.860	39.78
%RSD		0.325	0.882	0.390	0.227	10.413	15.107	4.205	1.746	4.16

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo (
1	15:21:31	4487.772	385.810	193.927	31.880	107.052%	3546.278	7901.491	615.493	-197.95
2	15:22:35	4454.377	430.482	134.498	38.634	108.865%	3429.917	7897.862	602.046	-168.58
3	15:23:38	4240.709	345.101	175.269	48.930	109.502%	3527.633	7771.568	603.895	-193.41
x		4394.286	387.131	167.898	39.815	108.473%	3501.276	7856.974	607.145	-186.65
σ		134.046	42.706	30.392	8.586	1.271%	62.498	73.986	7.289	15.81
%RSD		3.050	11.031	18.102	21.566	1.172	1.785	0.942	1.200	8.47

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tl
1	15:21:31	622.876	116.001	365.457	105.661%	4483.787	3302.929	16848.934	34173.361	105.526%
2	15:22:35	607.536	90.008	323.821	108.481%	4452.824	3307.871	16872.257	34117.963	106.663%
3	15:23:38	607.541	107.037	394.432	108.419%	4441.551	3304.680	16700.810	33973.265	105.986%
x		612.651	104.349	361.237	107.521%	4459.387	3305.160	16807.334	34088.196	106.058%
σ		8.855	13.203	35.494	1.610%	21.870	2.505	92.986	103.316	0.572%
%RSD		1.445	12.653	9.826	1.498	0.490	0.076	0.553	0.303	0.53

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	15:21:31	1263.392	1615.178	1853.964	6315.598	12614.381	103.960%	0.000	20381.799	15501.01
2	15:22:35	1241.839	1598.686	1863.686	6294.630	12656.071	103.861%	0.000	20372.647	15530.47
3	15:23:38	1207.114	1620.948	1868.561	6323.707	12788.056	102.918%	0.000	20880.505	15520.77
x		1237.448	1611.604	1862.070	6311.311	12686.169	103.579%	0.000	20544.984	15517.42
σ		28.395	11.553	7.431	15.005	90.665	0.575%	0.000	290.606	15.01
%RSD		2.295	0.717	0.399	0.238	0.715	0.555	0.000	1.414	0.09

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	15:29:07	92.176%	36758.164	4124.367	90637.570	T 41294039.000	T 17496573.000	T 2303479.400	T 2713891.700
2	15:30:11	92.281%	37420.859	3886.637	92069.324	T 42044593.000	T 17961142.000	T 2349545.600	T 2745741.800
3	15:31:15	91.716%	36878.651	4135.084	92934.281	T 42980047.000	T 18366224.000	T 2416627.200	T 2827423.200
x		92.058%	37019.225	4048.696	91880.392	T 42106227.000	T 17941313.000	T 2356550.800	T 2762352.300
σ		0.300%	353.004	140.450	1159.953	T 844692.210	T 435164.230	T 56898.253	T 58560.069
%RSD		0.326	0.954	3.469	1.262	T 2.006	T 2.425	T 2.414	T 2.120

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	15:29:07	492413.240	1079499.100	TM 141541910.000	1556894.100	105.358%	1902.296	79892.733	76375.579
2	15:30:11	491403.450	T 1243756.400	TM 144567170.000	1547454.300	107.688%	2072.910	77688.165	75435.137
3	15:31:15	490921.500	T 1271482.200	TM 148661760.000	1568042.800	109.951%	2155.781	78639.246	75630.124
x		491579.390	T 1198245.900	TM 144923620.000	1557463.800	107.666%	2043.662	78740.048	75813.613
σ		761.275	T 103767.940	TM 3573284.400	10306.063	2.297%	129.248	1105.735	496.346
%RSD		0.155	T 8.660	TM 2.466	0.662	2.133	6.324	1.404	0.655

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	15:29:07	527873.460	393162.470	T 9198502.200	203031.800	16844.103	2722.188	24640.066	50392.761
2	15:30:11	523236.120	391208.110	T 9143583.300	202081.220	16648.440	2704.231	24281.017	49994.865
3	15:31:15	519292.980	388846.650	T 9117084.400	202096.890	16573.899	2576.053	23881.131	49255.732
x		523467.520	391072.410	T 9153056.600	202403.300	16688.814	2667.491	24267.405	49881.119
σ		4294.916	2161.112	T 41527.358	544.348	139.553	79.695	379.651	576.986
%RSD		0.820	0.553	T 0.454	0.269	0.836	2.988	1.564	1.157

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	15:29:07	37741.764	9416.103	1741.383	716.004	105.622%	142013.650	238120.370	45730.698
2	15:30:11	36832.057	9303.314	1867.810	756.848	106.807%	142276.480	238560.880	45940.332
3	15:31:15	37029.930	9480.515	1868.915	767.249	108.301%	142259.770	238397.340	46357.687
x		37201.250	9399.977	1826.036	746.700	106.910%	142183.300	238359.530	46009.572
σ		478.440	89.695	73.314	27.088	1.343%	147.159	222.678	319.178
%RSD		1.286	0.954	4.015	3.628	1.256	0.103	0.093	0.694

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	15:29:07	45373.170	11558.950	28387.793	104.667%	98800.284	77077.332	262578.920	468866.450
2	15:30:11	45172.876	11677.713	28202.381	106.125%	100732.760	78173.519	263307.430	476231.770
3	15:31:15	45983.824	11580.779	28335.266	106.537%	102138.810	79290.677	264406.900	480556.170
x		45509.957	11605.814	28308.480	105.776%	100557.290	78180.509	263431.080	475218.130
σ		422.424	63.216	95.564	0.983%	1676.168	1106.689	920.244	5910.415
%RSD		0.928	0.545	0.338	0.929	1.667	1.416	0.349	1.244

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	15:29:07	66169.884	77106.483	69333.083	167431.370	256186.410	102.861%	1.944	272495.030
2	15:30:11	64521.923	75950.643	67968.862	166523.090	253199.630	103.650%	0.000	269015.250
3	15:31:15	65310.956	77774.858	69295.107	167130.360	257492.990	104.217%	0.000	270260.790
x		65334.254	76943.995	68865.684	167028.270	255626.340	103.576%	0.648	270590.360
σ		824.228	922.899	776.903	462.665	2200.795	0.681%	1.123	1763.142
%RSD		1.262	1.199	1.128	0.277	0.861	0.657	173.205	0.652

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	15:36:43	91.218%	38047.452	79.620	13823.057	T 27453050.000	T 7320949.200	969906.170	1154436.600	145
2	15:37:47	91.235%	38372.815	78.515	13662.191	T 27766778.000	T 7416102.900	983571.940	1165889.400	146
3	15:38:50	90.990%	38083.603	88.539	13344.690	T 28038189.000	T 7498131.700	997266.440	1177525.300	134
x		91.148%	38167.957	82.225	13609.979	T 27752672.000	T 7411727.900	983581.520	1165950.400	142
σ		0.137%	178.331	5.496	243.420	T 292824.660	T 88672.236	13680.137	11544.442	6
%RSD		0.150	0.467	6.684	1.789	T 1.055	T 1.196	1.391	0.990	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	15:36:43	436640.330	T 1251090.400	TM 72309534.000	1054988.500	106.633%	4275.557	9476.903	10760.179	
2	15:37:47	442646.150	T 1261052.200	TM 73199966.000	1064017.000	107.115%	4245.100	9160.152	10660.388	
3	15:38:50	427689.670	T 1253899.800	TM 73658018.000	1051860.300	109.726%	4001.831	8927.166	10211.534	
x		435658.720	T 1255347.500	TM 73055839.000	1056955.300	107.825%	4174.163	9188.074	10544.034	
σ		7526.408	T 5136.285	TM 685698.090	6312.501	1.664%	150.019	275.930	292.244	
%RSD		1.728	T 0.409	TM 0.939	0.597	1.544	3.594	3.003	2.772	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	15:36:43	688224.250	400292.980	T 12139241.000	9708.404	1649.278	453.117	5484.395	67536.013	1
2	15:37:47	689460.500	401695.110	T 12194914.000	9479.898	1736.965	361.781	5361.799	66855.280	1
3	15:38:50	683227.070	398662.790	T 11939493.000	9433.348	1587.375	427.102	5279.844	66926.944	1
x		686970.610	400216.960	T 12091216.000	9540.550	1657.873	414.000	5375.346	67106.079	1
σ		3300.395	1517.591	T 134312.410	147.217	75.164	47.056	102.946	374.054	
%RSD		0.480	0.379	T 1.111	1.543	4.534	11.366	1.915	0.557	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	1
1	15:36:43	47412.787	2743.563	276.466	101.280	106.435%	4590.836	9501.027	698.785	
2	15:37:47	47574.453	2718.755	350.758	129.813	108.009%	4452.213	9329.928	677.334	
3	15:38:50	47097.381	2756.827	393.116	141.671	108.235%	4471.264	9372.925	682.917	
x		47361.540	2739.715	340.114	124.255	107.560%	4504.771	9401.294	686.345	
σ		242.630	19.325	59.049	20.761	0.981%	75.141	89.007	11.129	
%RSD		0.512	0.705	17.362	16.709	0.912	1.668	0.947	1.621	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	15:36:43	711.987	415.362	1126.455	103.734%	6733.700	5074.281	53715.993	99098.372	1
2	15:37:47	673.431	397.720	1064.912	106.458%	5928.541	4446.062	53096.328	98011.500	1
3	15:38:50	677.142	378.388	1006.176	106.522%	5602.411	4180.277	53194.851	96910.762	1
x		687.520	397.157	1065.847	105.571%	6088.217	4566.873	53335.724	98006.878	1
σ		21.270	18.494	60.145	1.591%	582.303	459.083	332.987	1093.812	
%RSD		3.094	4.657	5.643	1.507	9.564	10.052	0.624	1.116	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	15:36:43	2460.345	3040.537	2562.708	8102.932	139222.510	102.873%	0.000	25488.353	2
2	15:37:47	2349.396	2974.559	2568.073	8050.908	140141.050	102.439%	0.000	25000.240	2
3	15:38:50	2196.923	2795.891	2521.311	7990.475	140554.570	101.381%	0.000	25045.787	2
x		2335.555	2936.996	2550.698	8048.105	139972.710	102.231%	0.000	25178.126	2
σ		132.255	126.575	25.590	56.281	681.797	0.767%	0.000	269.628	
%RSD		5.663	4.310	1.003	0.699	0.487	0.751	0.000	1.071	

200-2079-A-4-K MS 10/30/2010 03:43:16 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	15:44:19	90.631%	36862.586	3908.306	85386.777	T 41296943.000	T 16629203.000	T 2166090.000	T 2577405.600
2	15:45:23	90.444%	36661.776	3803.504	86347.923	T 42059743.000	T 16986236.000	T 2220447.900	T 2620293.000
3	15:46:26	90.939%	37031.269	3859.965	87297.581	T 42578705.000	T 17088881.000	T 2252163.600	T 2651818.400
x		90.671%	36851.877	3857.258	86344.094	T 41978464.000	T 16901440.000	T 2212900.500	T 2616505.600
σ		0.250%	184.979	52.454	955.408	T 644734.880	T 241285.520	T 43530.349	T 37350.697
%RSD		0.276	0.502	1.360	1.107	T 1.536	T 1.428	T 1.967	T 1.428

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	15:44:19	420971.060	T 1258422.800	TM 78087537.000	1439000.800	104.041%	2855.097	79775.186	75646.977
2	15:45:23	425621.970	T 1293209.000	TM 80344501.000	1437863.600	105.603%	2879.190	79287.168	76032.689
3	15:46:26	422995.980	T 1315792.600	TM 80676615.000	1437767.300	106.698%	2866.504	79325.474	75894.480
x		423196.340	T 1289141.500	TM 79702884.000	1438210.600	105.448%	2866.930	79462.609	75858.049
σ		2331.920	T 28900.413	TM 1408752.800	686.057	1.335%	12.052	271.376	195.419
%RSD		0.551	T 2.242	TM 1.768	0.048	1.266	0.420	0.342	0.258

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	15:44:19	977677.260	436079.040	T 16828730.000	194986.980	16954.606	2747.478	24202.897	70993.265
2	15:45:23	979793.570	441267.270	T 17011867.000	198805.010	16971.157	2701.822	24246.299	72021.555
3	15:46:26	979432.050	439344.010	T 17062667.000	197540.610	16766.891	2591.834	24656.426	71409.261
x		978967.620	438896.770	T 16967754.000	197110.870	16897.551	2680.378	24368.541	71474.694
σ		1132.015	2622.872	T 123049.120	1944.955	113.458	80.007	250.258	517.258
%RSD		0.116	0.598	T 0.725	0.987	0.671	2.985	1.027	0.724

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	15:44:19	51603.209	10119.431	1662.129	679.747	104.389%	138547.970	233828.110	44604.944
2	15:45:23	51712.916	10410.602	1781.304	723.229	105.818%	136430.890	229797.860	45414.989
3	15:46:26	52840.185	10250.892	1862.453	752.066	106.203%	138211.530	232893.670	45705.831
x		52052.103	10260.308	1768.629	718.347	105.470%	137730.130	232173.210	45241.921
σ		684.700	145.814	100.762	36.406	0.956%	1137.679	2109.506	570.484
%RSD		1.315	1.421	5.697	5.068	0.906	0.826	0.909	1.261

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	15:44:19	44123.855	11268.108	27621.491	103.270%	96019.086	74647.578	263478.240	473589.030
2	15:45:23	44831.177	11416.104	28058.135	104.041%	96271.854	74759.710	265739.720	476699.040
3	15:46:26	44372.512	11597.299	27959.434	104.203%	96775.821	75359.648	270351.110	485070.560
x		44442.515	11427.170	27879.687	103.838%	96355.587	74922.312	266523.020	478452.870
σ		358.820	164.874	228.985	0.499%	385.254	382.871	3502.752	5938.293
%RSD		0.807	1.443	0.821	0.480	0.400	0.511	1.314	1.241

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	15:44:19	61195.043	72754.264	66956.954	162284.210	323163.350	102.382%	0.000	197648.990
2	15:45:23	60919.465	71956.629	66450.357	159430.960	320830.890	103.573%	0.000	196920.790
3	15:46:26	61224.309	71858.747	67651.240	165189.600	331605.260	100.894%	0.000	199102.710
x		61112.939	72189.880	67019.517	162301.590	325199.840	102.283%	0.000	197890.830
σ		168.191	491.215	602.881	2879.359	5668.528	1.342%	0.000	1110.884
%RSD		0.275	0.680	0.900	1.774	1.743	1.312	0.000	0.561

CCV 10/30/2010 03:50:52 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	15:51:55	93.102%	37051.351	4501.670	85215.115	T 18568953.000	T 11882278.000	1601362.400	1905931.300	102
2	15:52:59	94.172%	36842.504	4467.851	86394.927	T 18706944.000	T 11963963.000	1610286.800	1914732.700	101
3	15:54:02	95.528%	38497.340	4582.871	86400.468	T 18573427.000	T 11946132.000	1606504.400	1904941.800	100
x		94.267%	37463.732	114.984%	114.918%	T 125.431%	T 11930791.000	121.034%	121.629%	1
σ		1.216%	901.201	n/a	n/a	T n/a	T 42949.296	n/a	n/a	
%RSD		1.290	2.406	1.309	0.794	T 0.421	T 0.360	0.279	0.282	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	15:51:55	7447.459	T 1286216.800	T 16894166.000	527908.000	104.322%	185.965	83598.972	77925.618	
2	15:52:59	6920.869	T 1268097.900	T 16845124.000	525480.560	107.024%	199.957	81547.866	77469.933	
3	15:54:02	6806.191	T 1281312.900	T 16802706.000	526676.980	108.357%	214.110	81012.795	77511.852	
x		7058.173	T 1278542.600	T 122.075%	97.310%	106.568%	200.011	95.429%	96.659%	
σ		341.973	T 9371.756	T n/a	n/a	2.056%	14.072	n/a	n/a	
%RSD		4.845	T 0.733	T 0.272	0.230	1.929	7.036	1.664	0.324	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	15:51:55	311628.860	123525.960	T 5598478.500	223142.550	18192.763	2890.692	22537.606	23303.973	
2	15:52:59	307875.500	121170.260	T 5574815.600	221964.390	17831.742	2781.060	22550.488	22990.023	
3	15:54:02	310247.620	122136.840	T 5545877.500	221744.740	17669.468	2796.216	21827.809	22886.245	
x		309917.320	96.450%	T 101.708%	95.087%	98.704%	103.486%	97.661%	98.062%	
σ		1898.354	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	
%RSD		0.613	0.968	T 0.473	0.338	1.497	2.105	1.854	0.943	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	
1	15:51:55	18482.893	9177.906	1725.867	692.489	104.193%	152688.130	254707.040	51076.216	
2	15:52:59	18050.099	9042.921	1725.377	696.145	105.644%	154047.500	259290.600	51795.862	
3	15:54:02	18312.031	9250.039	1757.895	721.971	106.900%	156049.750	258882.460	51134.297	
x		100.020%	97.945%	104.314%	99.719%	105.579%	95.345%	257626.700	97.161%	
σ		n/a	n/a	n/a	n/a	1.355%	n/a	2536.722	n/a	
%RSD		1.192	1.148	1.073	2.284	1.283	1.096	0.985	0.779	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	15:51:55	50861.493	13015.042	31537.703	103.216%	86655.415	67616.136	250379.490	452479.240	1
2	15:52:59	51057.262	13134.717	31253.408	104.629%	98380.603	77048.615	251605.560	456380.470	1
3	15:54:02	50167.711	12721.277	30872.296	106.998%	102359.300	79936.074	246856.530	446203.370	1
x		97.869%	97.675%	96.429%	104.948%	89.121%	89.423%	92.352%	91.229%	1
σ		n/a	n/a	n/a	1.911%	n/a	n/a	n/a	n/a	
%RSD		0.922	1.642	1.069	1.821	8.522	8.606	0.988	1.137	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	15:51:55	65834.172	77404.480	74228.320	178735.380	239663.340	101.721%	0.000	246402.830	29
2	15:52:59	66680.204	77724.533	74194.874	180129.410	239917.270	103.388%	0.000	262209.010	28
3	15:54:02	65320.973	76600.660	73392.933	180148.620	238885.790	103.436%	0.000	272860.990	28
x		94.803%	94.087%	96.002%	93.662%	95.811%	102.848%	0.000	260490.940	28
σ		n/a	n/a	n/a	n/a	n/a	0.977%	0.000	13312.489	
%RSD		1.041	0.750	0.640	0.451	0.224	0.950	0.000	5.111	

CCB 10/30/2010 03:58:29 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	15:59:32	95.420%	37758.250	57.488	2672.194	976031.960	113167.630	4612.320	1699.146	18223.793
2	16:00:35	96.807%	38959.302	56.049	2683.630	928687.330	114426.450	5116.932	1779.559	18054.464
3	16:01:39	97.285%	39144.093	50.778	2526.358	907903.570	111392.960	4356.914	1219.454	17862.016
x		96.504%	38620.548	54.771	2627.394	937540.950	112995.680	4695.389	1566.053	18046.758
σ		0.969%	752.466	3.533	87.686	34916.463	1524.038	386.758	302.844	181.011
%RSD		1.004	1.948	6.450	3.337	3.724	1.349	8.237	19.338	1.003

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	15:59:32	4168.892	1017042.300	T 342049.230	12312.483	104.561%	99.464	1998.926	1261.076	6022.842
2	16:00:35	4314.394	987533.330	302490.070	12330.015	106.276%	118.560	1843.281	1357.040	5005.505
3	16:01:39	4141.557	1032213.800	T 251356.490	12358.236	106.508%	78.868	1463.375	1364.034	4493.543
x		4208.281	1012263.200	T 298631.930	12333.578	105.781%	98.964	1768.527	1327.383	5173.963
σ		92.907	22720.414	T 45469.301	23.083	1.063%	19.851	275.490	57.530	778.443
%RSD		2.208	2.245	T 15.226	0.187	1.005	20.059	15.577	4.334	15.045

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	15:59:32	9527.607	2365.763	48587.500	6130.826	167.260	170.423	-108.851	-353.932	-23.746
2	16:00:35	9129.795	2408.894	52416.619	6101.639	153.783	107.605	-81.733	-357.210	-32.508
3	16:01:39	8993.610	2382.334	51103.413	6123.600	167.930	125.410	-128.791	-367.237	-40.167
x		9217.004	2385.664	50702.511	6118.688	162.991	134.479	-106.458	-359.460	-32.140
σ		277.474	21.758	1945.785	15.201	7.982	32.376	23.620	6.932	8.217
%RSD		3.010	0.912	3.838	0.248	4.897	24.075	22.187	1.928	25.565

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	15:59:32	-228.680	97.867	81.744	15.472	103.276%	3976.445	8511.000	676.161	-201.863
2	16:00:35	-236.981	249.373	73.810	12.978	104.606%	3762.720	8400.786	667.462	-200.327
3	16:01:39	-260.109	81.638	98.109	5.507	105.367%	3667.691	8200.192	675.429	-185.128
x		-241.923	142.959	84.554	11.319	104.416%	3802.286	8370.659	673.017	-195.773
σ		16.287	92.513	12.391	5.186	1.058%	158.134	157.579	4.825	9.251
%RSD		6.732	64.713	14.654	45.817	1.013	4.159	1.883	0.717	4.725

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	15:59:32	664.189	109.001	354.792	103.082%	8330.092	6320.655	10348.820	22993.263	102.469%
2	16:00:35	688.276	118.714	360.829	104.411%	7393.065	5590.181	10407.711	23015.242	102.502%
3	16:01:39	652.077	103.912	312.794	104.016%	6814.436	5103.686	10370.765	22892.920	103.320%
x		668.181	110.542	342.805	103.836%	7512.531	5671.507	10375.765	22967.142	102.764%
σ		18.427	7.521	26.165	0.683%	764.858	612.547	29.762	65.211	0.482%
%RSD		2.758	6.803	7.633	0.658	10.181	10.800	0.287	0.284	0.469

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	15:59:32	1640.285	2028.795	1867.554	6351.156	5946.383	102.055%	1.960	24950.911	15257.582
2	16:00:35	1472.091	1915.210	1880.290	6327.725	6028.448	102.860%	0.000	23928.775	15301.393
3	16:01:39	1288.006	1786.121	1837.947	6293.799	5889.868	102.317%	0.000	23318.626	15242.963
x		1466.794	1910.042	1861.930	6324.227	5954.900	102.411%	0.653	24066.104	15267.313
σ		176.199	121.419	21.725	28.838	69.681	0.411%	1.131	824.762	30.406
%RSD		12.013	6.357	1.167	0.456	1.170	0.401	173.205	3.427	0.199

200-2079-A-5-C 10/30/2010 04:06:06 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26
1	16:07:09	93.351%	42868.838	69.898	30650.344	T 15659360.000	T 20620302.000	T 2702627.200	T 3187574
2	16:08:13	93.919%	43033.614	52.616	30393.524	T 15988708.000	T 21155768.000	T 2779092.500	T 3282854
3	16:09:16	93.118%	42892.951	72.148	31569.567	T 16167157.000	T 21592882.000	T 2857877.800	T 3377990
x		93.463%	42931.801	64.887	30871.145	T 15938408.000	T 21122984.000	T 2779865.800	T 3282806
σ		0.412%	88.993	10.687	618.332	T 257607.940	T 487118.040	T 77628.152	T 95208
%RSD		0.441	0.207	16.470	2.003	T 1.616	T 2.306	T 2.793	T 2
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**5**
1	16:07:09	542399.770	1066878.700	TM 124719500.000	TM 3700501.100	102.167%	2956.444	5125.503	12343
2	16:08:13	553394.530	1062848.200	TM 126365320.000	TM 3747300.300	104.026%	2988.240	5147.579	12052
3	16:09:16	554352.220	1072056.100	TM 130209230.000	TM 3768320.000	105.478%	3009.690	4991.240	11835
x		550048.840	1067261.000	TM 127098020.000	TM 3738707.100	103.890%	2984.791	5088.107	12077
σ		6641.574	4615.822	TM 2817255.400	TM 34716.486	1.660%	26.790	84.613	254
%RSD		1.207	0.432	TM 2.217	TM 0.929	1.598	0.898	1.663	2
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**6**
1	16:07:09	313667.710	M 1577153.200	T 5542078.300	8686.911	1330.252	389.911	17213.984	M 162156
2	16:08:13	318848.890	M 1584106.700	T 5569630.800	8568.695	1290.702	482.616	17239.263	M 162681
3	16:09:16	320360.270	M 1591643.500	T 5579699.300	8588.002	1260.847	475.078	17159.223	M 162888
x		317625.620	M 1584301.100	T 5563802.800	8614.536	1293.934	449.202	17204.157	M 162575
σ		3509.969	M 7247.087	T 19475.880	63.417	34.815	51.485	40.915	M 377
%RSD		1.105	M 0.457	T 0.350	0.736	2.691	11.462	0.238	M 0
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**10**
1	16:07:09	M 115180.860	694.637	181.540	71.464	101.831%	11304.888	20512.750	676
2	16:08:13	M 115034.260	593.550	326.375	115.772	104.122%	10988.542	20074.928	681
3	16:09:16	M 115708.900	693.889	431.005	176.398	105.820%	10522.953	20210.092	698
x		M 115308.000	660.692	312.973	121.211	103.925%	10938.794	20265.923	685
σ		M 354.835	58.148	125.271	52.678	2.002%	393.334	224.187	11
%RSD		M 0.308	8.801	40.026	43.460	1.926	3.596	1.106	1
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**13**
1	16:07:09	695.411	282.354	888.405	100.789%	7086.251	5312.526	121330.930	222557
2	16:08:13	679.141	343.079	898.418	103.825%	6231.240	4711.850	121301.680	221177
3	16:09:16	682.899	314.892	820.314	103.944%	5926.152	4492.526	122283.420	221135
x		685.817	313.442	869.046	102.853%	6414.548	4838.968	121638.680	221623
σ		8.518	30.388	42.499	1.788%	601.381	424.522	558.555	809
%RSD		1.242	9.695	4.890	1.739	9.375	8.773	0.459	0
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**23**
1	16:07:09	2546.394	3240.459	2188.639	7200.922	54945.566	102.130%	0.000	27865
2	16:08:13	2500.670	3093.480	2230.946	7127.998	55409.905	103.140%	0.000	25724
3	16:09:16	2386.409	2989.607	2195.160	7235.899	56915.133	101.980%	0.000	25296
x		2477.824	3107.849	2204.915	7188.273	55756.868	102.417%	0.000	26295
σ		82.403	126.042	22.778	55.052	1029.605	0.630%	0.000	1376
%RSD		3.326	4.056	1.033	0.766	1.847	0.616	0.000	5

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26
1	16:14:46	94.403%	37364.629	53.555	2396.554	T 45083367.000	T 10407575.000	1392965.500	1655508.9
2	16:15:49	96.279%	38248.292	63.467	2553.432	T 46184448.000	T 10669626.000	1430797.200	1701635.3
3	16:16:53	97.731%	38802.634	59.888	2484.294	T 47656749.000	T 11019816.000	1478475.600	1759363.0
x		96.138%	38138.518	58.970	2478.093	T 46308188.000	T 10699006.000	1434079.400	1705502.4
σ		1.668%	725.260	5.019	78.623	T 1291145.500	T 307176.110	42849.444	52034.9
%RSD		1.736	1.902	8.512	3.173	T 2.788	T 2.871	2.988	3.0
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52**
1	16:14:46	T 9079373.900	1046331.700	TM 109730720.000	TM 10902195.000	105.797%	19339.815	3451.570	15526.7
2	16:15:49	T 8992416.200	1013429.200	TM 112186440.000	TM 10909216.000	111.258%	18614.077	2014.627	15511.1
3	16:16:53	T 9125652.800	961776.310	TM 116777850.000	TM 11029003.000	115.163%	18891.539	2288.428	15912.9
x		T 9065814.300	1007179.100	TM 112898330.000	TM 10946805.000	110.739%	18948.477	2584.875	15650.3
σ		T 67645.371	42622.761	TM 3577093.100	TM 71272.303	4.704%	366.204	762.963	227.6
%RSD		T 0.746	4.232	TM 3.168	TM 0.651	4.248	1.933	29.516	1.4
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66**

1	16:14:46	77595.901	125195.620	1095553.200	6751.285	-1434.196	338.385	5020.990	M 213948.8
2	16:15:49	77462.954	123197.950	1085131.200	6789.171	-1572.431	242.155	5150.314	M 214294.3
3	16:16:53	77300.099	122790.410	1084090.700	6689.185	-1530.826	295.350	5009.726	M 213990.8
x		77452.985	123727.990	1088258.300	6743.214	-1512.485	291.964	5060.343	M 214078.0
σ		148.153	1287.232	6338.890	50.479	70.919	48.204	78.120	M 188.5
%RSD		0.191	1.040	0.582	0.749	4.689	16.510	1.544	M 0.0

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107
1	16:14:46	M 149802.940	486.365	493.497	211.527	104.367%	3739.654	8310.289	627.6
2	16:15:49	M 149898.030	594.752	541.496	212.592	107.660%	3778.902	8195.030	627.8
3	16:16:53	M 149141.290	600.328	557.079	210.914	112.201%	3635.145	8267.873	632.8
x		M 149614.090	560.482	530.691	211.678	108.076%	3717.900	8257.730	629.4
σ		M 412.207	64.247	33.139	0.849	3.934%	74.306	58.295	2.9
%RSD		M 0.276	11.463	6.245	0.401	3.640	1.999	0.706	0.4

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137
1	16:14:46	638.970	119.088	319.592	103.071%	4916.775	3660.303	23066.271	45750.5
2	16:15:49	631.503	112.753	217.024	108.482%	4807.370	3565.802	23338.197	45675.7
3	16:16:53	638.378	105.990	224.571	109.900%	4729.377	3516.788	23084.208	45626.1
x		636.284	112.610	253.729	107.151%	4817.841	3580.965	23162.892	45684.1
σ		4.151	6.550	57.164	3.604%	94.137	72.949	152.083	62.5
%RSD		0.652	5.817	22.529	3.363	1.954	2.037	0.657	0.1

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232
1	16:14:46	2153.777	2761.938	1802.567	6226.770	8264.204	102.744%	0.000	21041.8
2	16:15:49	2075.611	2705.997	1801.782	6197.686	8397.363	104.500%	0.000	20851.9
3	16:16:53	2068.700	2658.231	1808.916	6251.605	8395.178	105.527%	0.000	20692.7
x		2099.363	2708.722	1804.421	6225.354	8352.248	104.257%	0.000	20862.2
σ		47.251	51.907	3.912	26.987	76.256	1.408%	0.000	174.7
%RSD		2.251	1.916	0.217	0.434	0.913	1.350	0.000	0.8

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	16:22:20	97.708%	38967.336	50.684	2374.506	T 20779427.000	T 7054359.500	928519.340	1095444.200	2
2	16:23:24	98.683%	39216.404	50.472	2214.858	T 20984341.000	T 7171401.900	949275.730	1121377.700	2
3	16:24:27	99.336%	39413.252	57.379	2220.828	T 21462383.000	T 7337891.500	965914.370	1137282.100	2
x		98.576%	39198.998	52.845	2270.064	T 21075384.000	T 7187884.300	947903.140	1118034.600	2
σ		0.819%	223.467	3.928	90.499	T 350462.450	T 142482.820	18735.262	21118.333	
%RSD		0.831	0.570	7.433	3.987	T 1.663	T 1.982	1.976	1.889	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	16:22:20	T 2678760.500	1015781.800	TM 126347290.000	193749.560	111.630%	5699.406	2290.593	9530.140	
2	16:23:24	T 2675891.200	905190.020	TM 129076000.000	194630.780	114.252%	5652.660	3020.821	9535.790	
3	16:24:27	T 2678653.600	965424.480	TM 130567010.000	195026.850	116.739%	5691.684	2894.752	9498.101	
x		T 2677768.400	962132.110	TM 128663440.000	194469.060	114.207%	5681.250	2735.389	9521.344	
σ		T 1626.632	55369.377	TM 2139899.200	653.823	2.555%	25.059	390.328	20.326	
%RSD		T 0.061	5.755	TM 1.663	0.336	2.237	0.441	14.270	0.213	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	16:22:20	25773.353	14689.860	125413.900	6033.460	725.693	177.502	2605.697	M 151628.650	M 2
2	16:23:24	25482.957	14536.102	127727.860	6004.470	601.327	221.636	2554.577	M 151702.360	M 2
3	16:24:27	25493.287	15011.840	132348.940	6064.318	715.544	219.945	2549.244	M 150988.440	M 2
x		25583.199	14745.934	128496.900	6034.082	680.855	206.361	2569.839	M 151439.820	M 2
σ		164.759	242.776	3530.902	29.929	69.060	25.007	31.168	M 392.637	
%RSD		0.644	1.646	2.748	0.496	10.143	12.118	1.213	M 0.259	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	
1	16:22:20	M 105823.840	436.344	408.463	145.639	109.142%	3241.798	7475.683	607.598	
2	16:23:24	M 105467.010	483.801	437.032	177.339	111.398%	3243.227	7336.775	612.751	
3	16:24:27	M 105320.750	462.689	489.763	165.263	113.371%	3218.853	7391.117	607.167	
x		M 105537.200	460.945	445.086	162.747	111.304%	3234.626	7401.192	609.172	
σ		M 258.786	23.776	41.244	15.999	2.116%	13.678	70.000	3.107	
%RSD		M 0.245	5.158	9.267	9.831	1.901	0.423	0.946	0.510	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	16:22:20	609.395	92.274	163.556	108.309%	4632.407	3443.219	10365.672	22989.941	1
2	16:23:24	609.201	122.445	217.694	110.625%	4598.034	3415.039	10416.067	23046.268	1
3	16:24:27	621.583	101.583	171.328	112.041%	4561.320	3388.154	10437.702	23033.419	1
x		613.393	105.434	184.192	110.325%	4597.253	3415.471	10406.480	23023.209	1
σ		7.093	15.449	29.272	1.884%	35.550	27.535	36.960	29.519	
%RSD		1.156	14.653	15.892	1.708	0.773	0.806	0.355	0.128	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	16:22:20	1790.827	2276.756	1786.063	6192.482	6485.791	105.909%	0.000	20567.110	1
2	16:23:24	1674.521	2245.157	1798.806	6198.835	6414.364	107.084%	0.000	20481.142	1
3	16:24:27	1652.382	2101.703	1802.918	6177.116	6369.139	106.226%	0.000	20389.955	1
x		1705.910	2207.872	1795.929	6189.478	6423.098	106.407%	0.000	20479.402	1
σ		74.369	93.293	8.788	11.167	58.814	0.608%	0.000	88.590	
%RSD		4.359	4.225	0.489	0.180	0.916	0.571	0.000	0.433	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	16:29:55	97.425%	39035.628	57.932	2141.601	T 25763235.000	T 7902811.900	1044799.000	1244823.800
2	16:30:59	98.800%	39164.179	56.520	1956.083	T 26285531.000	T 8070167.200	1074840.800	1273282.100
3	16:32:02	100.142%	39413.252	58.151	2301.944	T 26790739.000	T 8217736.100	1087578.200	1294992.000
x		98.789%	39204.353	57.534	2133.209	T 26279835.000	T 8063571.700	1069072.700	1271032.700
σ		1.359%	191.991	0.885	173.083	T 513775.770	T 157565.670	21965.152	25159.625
%RSD		1.375	0.490	1.539	8.114	T 1.955	T 1.954	2.055	1.979

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	16:29:55	T 3568503.000	959291.460	TM 151562300.000	1078966.100	113.205%	7619.877	3103.351	7638.022
2	16:30:59	T 3617868.000	924437.120	TM 154538280.000	1082673.700	115.499%	7260.557	3625.575	7767.208
3	16:32:02	T 3598449.200	876053.920	TM 156049530.000	1081221.500	119.662%	7519.897	2692.376	7817.174
x		T 3594940.100	919927.500	TM 154050040.000	1080953.800	116.122%	7466.777	3140.434	7740.801
σ		T 24868.926	41801.610	TM 2283112.500	1868.259	3.273%	185.456	467.704	92.449
%RSD		T 0.692	4.544	TM 1.482	0.173	2.819	2.484	14.893	1.194

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	16:29:55	27412.847	25081.897	138301.200	6057.243	209.672	164.996	2679.317	M 173902.260 M
2	16:30:59	28038.253	25278.955	145533.760	6059.819	135.926	132.448	2627.144	M 173004.520 M
3	16:32:02	27426.844	24826.221	140788.180	6040.408	138.546	177.846	2741.942	M 171443.510 M
x		27625.982	25062.358	141541.050	6052.490	161.381	158.430	2682.801	M 172783.430 M
σ		357.106	226.999	3674.588	10.542	41.842	23.400	57.478	M 1244.195
%RSD		1.293	0.906	2.596	0.174	25.927	14.770	2.142	M 0.720

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	16:29:55	M 120680.290	456.981	459.057	167.267	109.594%	3193.178	7316.405	616.879
2	16:30:59	M 121716.070	454.912	460.140	177.614	113.252%	3205.001	7317.448	605.554
3	16:32:02	M 121025.940	386.064	542.895	167.702	115.852%	3213.262	7282.435	608.832
x		M 121140.770	432.652	487.364	170.861	112.899%	3203.814	7305.430	610.421
σ		M 527.348	40.360	48.094	5.852	3.144%	10.095	19.921	5.827
%RSD		M 0.435	9.329	9.868	3.425	2.785	0.315	0.273	0.955

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	16:29:55	620.518	65.721	145.645	108.076%	4561.238	3381.077	11971.081	26112.247
2	16:30:59	607.416	90.471	211.530	110.275%	4539.008	3328.131	12153.278	26060.055
3	16:32:02	609.012	104.835	238.300	112.995%	4506.287	3330.340	12007.835	25932.652
x		612.315	87.009	198.492	110.449%	4535.511	3346.516	12044.065	26034.985
σ		7.148	19.785	47.684	2.464%	27.642	29.951	96.350	92.385
%RSD		1.167	22.739	24.023	2.231	0.609	0.895	0.800	0.355

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	16:29:55	1721.504	2260.260	1804.633	6174.416	6528.848	102.493%	1.951	20527.513
2	16:30:59	1783.873	2281.883	1801.589	6202.954	6638.230	104.939%	0.000	20415.249
3	16:32:02	1705.934	2180.276	1811.057	6221.866	6632.872	105.057%	0.000	20363.248
x		1737.104	2240.806	1805.760	6199.746	6599.983	104.163%	0.650	20435.337
σ		41.245	53.524	4.833	23.887	61.663	1.448%	1.127	83.955
%RSD		2.374	2.389	0.268	0.385	0.934	1.390	173.205	0.411

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26M
1	16:37:31	96.509%	39365.044	54.060	2066.412	T 50696339.000	T 12002928.000	1609343.900	1909197.6
2	16:38:34	98.516%	39790.892	62.689	2112.432	T 52180730.000	T 12292930.000	1665517.300	1965856.4
3	16:39:37	98.078%	39119.990	52.642	2133.852	T 53619322.000	T 12766860.000	1678202.600	2039297.9
x		97.701%	39425.309	56.464	2104.232	T 52165464.000	T 12354239.000	1651021.300	1971450.6
σ		1.055%	339.487	5.438	34.460	T 1461551.400	T 385639.010	36646.728	65230.2
%RSD		1.080	0.861	9.630	1.638	T 2.802	T 3.122	2.220	3.3

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52
1	16:37:31	T 11896495.000	942857.240	TM 113592000.000	TM 15988006.000	113.053%	24374.192	2681.925	39058.8
2	16:38:34	T 11891698.000	931795.060	TM 115661130.000	TM 16079335.000	117.382%	23671.776	3097.434	39222.6
3	16:39:37	T 11848847.000	859295.450	TM 119844080.000	TM 16003029.000	121.383%	23684.775	2790.137	39143.6
x		T 11879014.000	911315.920	TM 116365740.000	TM 16023456.000	117.273%	23910.248	2856.499	39141.7
σ		T 26234.577	45389.312	TM 3185040.600	TM 48971.577	4.166%	401.840	215.557	81.9
%RSD		T 0.221	4.981	TM 2.737	TM 0.306	3.553	1.681	7.546	0.2

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66
1	16:37:31	72671.796	148130.580	986401.460	6802.378	260.421	722.993	3390.487	M 289235.4
2	16:38:34	71397.892	147100.330	985304.630	6867.356	116.098	833.736	3363.441	M 286731.2
3	16:39:37	71962.790	145538.830	981109.800	6795.528	225.430	760.428	3305.508	M 287018.6
x		72010.826	146923.250	984271.960	6821.754	200.650	772.386	3353.145	M 287661.7
σ		638.309	1304.916	2792.889	39.641	75.285	56.332	43.415	M 1370.3
%RSD		0.886	0.888	0.284	0.581	37.521	7.293	1.295	M 0.4

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107
1	16:37:31	M 203723.370	474.313	457.608	154.275	110.046%	4237.329	8847.051	626.1
2	16:38:34	M 200924.320	382.141	457.478	160.126	115.461%	4049.115	8811.705	616.2
3	16:39:37	M 199652.520	436.344	528.105	165.487	116.710%	4069.999	8741.658	608.8
x		M 201433.400	430.933	481.064	159.962	114.072%	4118.815	8800.138	617.0
σ		M 2082.627	46.324	40.739	5.608	3.543%	103.166	53.640	8.6
%RSD		M 1.034	10.750	8.469	3.506	3.106	2.505	0.610	1.4

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137
1	16:37:31	620.537	134.343	297.134	107.975%	4525.672	3355.979	35176.633	67631.1
2	16:38:34	618.183	87.186	413.194	110.979%	4482.750	3327.829	35090.100	67044.1
3	16:39:37	619.614	83.721	332.104	113.095%	4484.763	3304.300	35339.284	67153.1
x		619.445	101.750	347.478	110.683%	4497.729	3329.369	35202.006	67276.1
σ		1.186	28.279	59.538	2.573%	24.221	25.874	126.515	312.2
%RSD		0.191	27.793	17.134	2.324	0.539	0.777	0.359	0.4

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232
1	16:37:31	2081.670	2519.234	1792.950	6154.948	10166.196	102.422%	0.000	20397.1
2	16:38:34	1919.868	2618.196	1775.437	6127.727	9899.573	102.099%	0.000	20339.9
3	16:39:37	1933.255	2518.569	1777.607	6141.937	10083.532	101.110%	0.000	20382.0
x		1978.264	2552.000	1781.998	6141.537	10049.767	101.877%	0.000	20373.0
σ		89.802	57.329	9.547	13.615	136.481	0.684%	0.000	29.6
%RSD		4.539	2.246	0.536	0.222	1.358	0.671	0.000	0.1

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26M
1	16:45:06	97.665%	39051.697	65.028	2386.185	T 40336816.000	T 10487454.000	1411527.500	1661882.60
2	16:46:10	98.500%	40236.849	56.603	2220.582	T 41257382.000	T 10799542.000	1441239.800	1723165.70
3	16:47:13	99.118%	40481.933	58.450	2338.640	T 42229383.000	T 11082060.000	1484274.100	1757525.40
x		98.427%	39923.493	60.027	2315.136	T 41274527.000	T 10789685.000	1445680.400	1714191.20
σ		0.729%	764.877	4.429	85.267	T 946399.750	T 297425.430	36576.026	48448.85
%RSD		0.741	1.916	7.378	3.683	T 2.293	T 2.757	2.530	2.82

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52C
1	16:45:06	T 9128616.400	951519.280	TM 112587990.000	TM 11530645.000	113.793%	18160.534	3163.842	22250.37
2	16:46:10	T 9062852.100	942667.250	TM 116067980.000	TM 11628223.000	117.720%	18273.454	2415.710	22222.37
3	16:47:13	T 9193207.100	892814.510	TM 117716730.000	TM 11599300.000	120.028%	18027.297	2464.699	21983.91
x		T 9128225.200	929000.340	TM 115457570.000	TM 11586056.000	117.180%	18153.761	2681.417	22152.22
σ		T 65178.389	31648.867	TM 2618286.300	TM 50119.053	3.152%	123.218	418.510	146.42
%RSD		T 0.714	3.407	TM 2.268	TM 0.433	2.690	0.679	15.608	0.66

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Z

1	16:45:06	57891.469	133786.920	725238.900	6476.194	-1028.548	492.835	3393.606	M 227012.00
2	16:46:10	57556.559	133983.530	728233.740	6437.923	-1061.413	466.747	3303.348	M 223173.84
3	16:47:13	58045.206	135434.080	732427.450	6503.046	-1085.207	366.240	3409.101	M 225510.68
x		57831.078	134401.510	728633.360	6472.388	-1058.390	441.941	3368.685	M 225232.17
σ		249.859	899.619	3610.898	32.728	28.450	66.844	57.112	M 1934.17
%RSD		0.432	0.669	0.496	0.506	2.688	15.125	1.695	M 0.85

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107A
1	16:45:06	M 155720.380	442.639	390.667	136.329	110.965%	3637.284	8030.616	616.66
2	16:46:10	M 155524.690	402.177	455.102	153.490	113.872%	3665.603	7922.988	610.86
3	16:47:13	M 157486.850	346.469	523.022	139.997	116.082%	3562.528	7972.654	629.64
x		M 156243.970	397.095	456.263	143.272	113.640%	3621.805	7975.419	619.05
σ		M 1080.800	48.286	66.185	9.037	2.567%	53.252	53.867	9.61
%RSD		M 0.692	12.160	14.506	6.308	2.259	1.470	0.675	1.55

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137B
1	16:45:06	625.820	140.641	364.830	109.129%	4489.053	3323.206	27908.222	54142.62
2	16:46:10	609.158	144.285	349.678	111.153%	4449.146	3272.564	28081.872	54444.62
3	16:47:13	621.144	101.203	221.222	114.381%	4432.208	3272.945	27554.210	53683.32
x		618.707	128.710	311.910	111.554%	4456.802	3289.572	27848.101	54090.19
σ		8.594	23.891	78.903	2.649%	29.186	29.128	268.919	383.35
%RSD		1.389	18.562	25.297	2.375	0.655	0.885	0.966	0.70

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232T
1	16:45:06	1764.406	2221.112	1804.727	6201.951	8369.328	102.295%	0.000	20360.61
2	16:46:10	1695.221	2231.808	1815.045	6201.009	8451.436	101.357%	0.000	20307.81
3	16:47:13	1851.732	2172.596	1787.846	6172.501	8684.569	100.009%	0.000	20303.56
x		1770.453	2208.505	1802.539	6191.820	8501.778	101.220%	0.000	20323.99
σ		78.431	31.555	13.731	16.738	163.538	1.149%	0.000	31.78
%RSD		4.430	1.429	0.762	0.270	1.924	1.135	0.000	0.15

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26
1	16:52:41	98.163%	39063.749	50.585	1778.685	T 46506134.000	T 12165710.000	1633721.300	1938320.
2	16:53:45	99.831%	40252.920	67.256	1884.939	T 46980158.000	T 12326468.000	1616818.600	T 1903048.
3	16:54:48	99.100%	39493.600	60.473	1741.632	T 48623480.000	T 12773598.000	1714902.400	2041328.
x		99.031%	39603.423	59.438	1801.752	T 47369924.000	T 12421925.000	1655147.400	T 1960899.
σ		0.836%	602.144	8.384	74.386	T 1111182.700	T 314986.130	52434.856	T 71851.
%RSD		0.844	1.520	14.105	4.129	T 2.346	T 2.536	3.168	T 3.

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	5
1	16:52:41	T 11396273.000	922039.700	TM 110433020.000	TM 15252882.000	114.129%	22817.322	3452.806	29470.
2	16:53:45	T 11490664.000	918291.060	TM 111663110.000	TM 15291629.000	117.461%	23058.197	2509.495	28915.
3	16:54:48	T 11415249.000	881736.480	TM 114249740.000	TM 15399813.000	120.229%	23144.657	2884.152	28803.
x		T 11434062.000	907355.740	TM 112115290.000	TM 15314775.000	117.273%	23006.725	2948.818	29063.
σ		T 49928.645	22265.963	TM 1948123.900	TM 76150.767	3.054%	169.629	474.969	357.
%RSD		T 0.437	2.454	TM 1.738	TM 0.497	2.604	0.737	16.107	1.

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	6
1	16:52:41	70198.478	173890.410	962323.170	6553.180	-1081.903	553.476	3671.750	M 307581.
2	16:53:45	69974.408	173079.900	964277.380	6589.096	-1127.401	560.482	3691.042	M 307618.
3	16:54:48	69591.520	170095.350	957030.790	6586.779	-984.891	578.008	3504.930	M 303164.
x		69921.469	172355.220	961210.450	6576.352	-1064.732	563.989	3622.574	M 306121.
σ		306.923	1998.622	3749.247	20.101	72.790	12.636	102.338	M 2560.
%RSD		0.439	1.160	0.390	0.306	6.836	2.241	2.825	M 0.

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	10
1	16:52:41	M 214973.930	387.712	438.455	130.645	111.987%	3888.281	8493.748	616.
2	16:53:45	M 214358.400	429.781	447.615	160.535	114.583%	3905.603	8498.048	619.
3	16:54:48	M 211894.570	401.562	457.046	159.233	116.113%	3874.166	8418.567	620.
x		M 213742.300	406.352	447.706	150.138	114.227%	3889.350	8470.121	619.
σ		M 1629.507	21.439	9.296	16.894	2.086%	15.746	44.699	2.
%RSD		M 0.762	5.276	2.076	11.252	1.826	0.405	0.528	0.

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	13
1	16:52:41	625.432	122.062	339.974	110.801%	4447.700	3288.152	28580.621	55227.
2	16:53:45	612.770	102.463	168.933	111.041%	4417.911	3267.533	29167.000	55688.
3	16:54:48	621.219	112.278	293.592	113.974%	4424.389	3267.137	28520.962	55247.
x		619.807	112.267	267.500	111.939%	4430.000	3274.274	28756.194	55387.
σ		6.448	9.799	88.456	1.767%	15.667	12.020	357.016	260.
%RSD		1.040	8.729	33.068	1.578	0.354	0.367	1.242	0.

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	23
1	16:52:41	1743.015	2286.261	1777.335	6180.359	9087.240	102.392%	1.953	20297.
2	16:53:45	1737.282	2212.419	1797.339	6153.731	8909.982	101.229%	0.000	20302.
3	16:54:48	1734.918	2205.641	1801.879	6188.573	9053.465	99.934%	0.000	20239.
x		1738.405	2234.773	1792.184	6174.221	9016.896	101.185%	0.651	20279.
σ		4.164	44.718	13.059	18.214	94.118	1.230%	1.128	34.
%RSD		0.240	2.001	0.729	0.295	1.044	1.215	173.205	0.

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	17:00:17	100.903%	41084.628	53.968	1516.759	T 20221926.000	T 7478066.100	984749.620	1162148.100	4
2	17:01:20	101.729%	40618.540	42.954	1424.715	T 20406840.000	T 7581525.100	998977.530	1191603.600	4
3	17:02:24	103.550%	40980.158	53.335	1322.739	T 20467917.000	T 7620883.200	1007110.000	1185774.200	4
x		102.060%	40894.442	50.085	1421.404	T 20365561.000	T 7560158.100	996945.700	1179842.000	4
σ		1.355%	244.581	6.184	97.052	T 128085.100	T 73767.178	11317.793	15598.090	
%RSD		1.327	0.598	12.348	6.828	T 0.629	T 0.976	1.135	1.322	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	17:00:17	T 3286031.600	898569.610	TM 126880690.000	1248077.400	116.428%	6432.388	3320.713	8248.977	
2	17:01:20	T 3314945.400	891760.610	TM 128411780.000	1258914.600	118.168%	6739.131	2128.246	8169.385	
3	17:02:24	T 3328714.100	892083.870	TM 128060370.000	1268282.300	118.817%	6525.398	2136.303	8325.316	
x		T 3309897.000	894138.030	TM 127784280.000	1258424.800	117.804%	6565.639	2528.420	8247.893	
σ		T 21784.432	3841.266	TM 802017.540	10111.361	1.236%	157.281	686.157	77.971	
%RSD		T 0.658	0.430	TM 0.628	0.803	1.049	2.396	27.138	0.945	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	

1	17:00:17	21876.384	14046.753	80692.318	5977.313	287.763	193.957	1830.078	78580.983	1
2	17:01:20	21418.575	13833.729	80077.857	5970.186	257.045	199.631	1642.877	78528.810	1
3	17:02:24	22294.868	14229.545	86992.497	5987.980	236.300	223.614	1576.262	78101.356	1
x		21863.276	14036.676	82587.557	5978.493	260.369	205.734	1683.073	78403.716	1
σ		438.293	198.100	3827.141	8.956	25.892	15.742	131.596	263.148	
%RSD		2.005	1.411	4.634	0.150	9.944	7.652	7.819	0.336	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	1
1	17:00:17	54804.544	206.102	365.702	108.267	114.630%	3193.304	7289.881	610.832	
2	17:01:20	54898.554	291.111	414.794	137.333	115.421%	3165.698	7226.638	607.156	
3	17:02:24	55792.726	252.615	458.225	162.628	115.759%	3170.274	7220.533	601.687	
x		55165.275	249.943	412.907	136.076	115.270%	3176.425	7245.684	606.558	
σ		545.418	42.567	46.290	27.202	0.579%	14.795	38.397	4.602	
%RSD		0.989	17.031	11.211	19.990	0.503	0.466	0.530	0.759	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	17:00:17	610.935	80.268	312.766	111.385%	4408.689	3270.369	11273.453	24551.601	1
2	17:01:20	614.429	119.551	178.333	112.146%	4409.533	3252.325	11348.709	24470.406	1
3	17:02:24	608.931	104.771	215.268	114.041%	4373.024	3247.384	11359.778	24541.550	1
x		611.432	101.530	235.456	112.524%	4397.082	3256.693	11327.313	24521.185	1
σ		2.783	19.841	69.453	1.368%	20.839	12.099	46.972	44.263	
%RSD		0.455	19.542	29.497	1.215	0.474	0.372	0.415	0.181	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	17:00:17	1275.436	1733.179	1806.555	6182.171	6625.651	102.550%	0.000	20168.284	1
2	17:01:20	1256.036	1710.635	1794.600	6202.887	6698.096	103.222%	0.000	20145.104	1
3	17:02:24	1234.396	1673.512	1794.693	6181.792	6643.283	102.976%	1.942	20147.676	1
x		1255.289	1705.775	1798.616	6188.950	6655.677	102.916%	0.647	20153.688	1
σ		20.530	30.129	6.876	12.072	37.779	0.340%	1.121	12.706	
%RSD		1.636	1.766	0.382	0.195	0.568	0.330	173.205	0.063	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	17:07:53	106.438%	42024.911	40.466	1056.823	T 4444163.800	1533255.600	186065.440	214588.470	14968.907
2	17:08:56	107.516%	43322.983	43.143	920.408	T 4434090.600	1532883.200	184537.670	213937.550	14969.904
3	17:10:00	108.285%	43170.259	47.661	900.391	T 4410879.800	1538314.500	187696.500	217504.530	15160.062
x		107.413%	42839.384	43.757	959.207	T 4429711.400	1534817.800	186099.870	215343.520	15032.958
σ		0.928%	709.476	3.637	85.128	T 17068.644	3034.001	1579.698	1899.580	110.077
%RSD		0.864	1.656	8.312	8.875	T 0.385	0.198	0.849	0.882	0.732

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	17:07:53	654009.970	900331.240	T 24664210.000	243966.290	119.221%	1244.846	2462.611	2571.740	7437.100
2	17:08:56	661895.310	883783.190	T 24648000.000	247764.110	119.596%	1403.189	2440.024	2749.162	6426.607
3	17:10:00	659963.740	840590.860	T 24532133.000	246043.710	121.166%	1388.306	1114.390	2543.825	6184.996
x		658623.010	874901.760	T 24614781.000	245924.700	119.994%	1345.447	2005.675	2621.575	6682.901
σ		4110.085	30844.580	T 72032.929	1901.706	1.032%	87.440	771.958	111.371	664.233
%RSD		0.624	3.525	T 0.293	0.773	0.860	6.499	38.489	4.248	9.939

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
1	17:07:53	10646.647	4953.112	1465.622	5925.403	109.121	127.754	236.922	17280.289	2592.692
2	17:08:56	11006.650	4960.461	4069.941	5940.180	145.112	156.392	228.048	17016.082	2569.203
3	17:10:00	10921.709	5010.395	3949.756	5933.906	125.162	115.289	192.394	17274.469	2564.330
x		10858.335	4974.656	3161.773	5933.163	126.465	133.145	219.121	17190.280	2575.409
σ		188.182	31.168	1470.138	7.417	18.031	21.075	23.568	150.888	15.165
%RSD		1.733	0.627	46.497	0.125	14.257	15.828	10.756	0.878	0.589

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	17:07:53	11957.835	213.546	216.209	47.218	114.613%	3127.027	7162.547	603.449	-157.809
2	17:08:56	12307.412	271.912	214.197	32.669	116.715%	3113.698	7156.309	601.619	-187.829
3	17:10:00	11949.512	206.174	226.390	30.932	116.270%	3109.133	7177.889	601.638	-198.199
x		12071.587	230.544	218.932	36.940	115.866%	3116.619	7165.582	602.235	-181.279
σ		204.274	36.015	6.536	8.943	1.107%	9.298	11.105	1.051	20.976
%RSD		1.692	15.622	2.986	24.211	0.956	0.298	0.155	0.175	11.571

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	17:07:53	605.428	61.951	238.310	113.937%	4330.384	3199.088	10309.449	22842.359	108.431%
2	17:08:56	607.109	89.508	286.418	115.160%	4316.644	3202.008	10321.891	22874.938	109.665%
3	17:10:00	607.128	103.218	317.320	114.836%	4314.981	3192.943	10303.614	22859.107	108.598%
x		606.555	84.892	280.683	114.644%	4320.669	3198.013	10311.651	22858.802	108.898%
σ		0.976	21.017	39.816	0.634%	8.454	4.627	9.336	16.291	0.670%
%RSD		0.161	24.757	14.185	0.553	0.196	0.145	0.091	0.071	0.615

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	17:07:53	821.641	1223.651	1769.527	6112.003	5946.355	102.347%	1.954	19989.069	14916.514
2	17:08:56	808.598	1160.203	1774.983	6142.171	5914.684	104.524%	0.000	19983.004	14906.458
3	17:10:00	789.795	1226.639	1765.611	6129.556	6002.365	102.437%	0.000	19988.974	14908.683
x		806.678	1203.497	1770.040	6127.910	5954.468	103.103%	0.651	19987.016	14910.552
σ		16.010	37.524	4.707	15.151	44.400	1.232%	1.128	3.475	5.282
%RSD		1.985	3.118	0.266	0.247	0.746	1.195	173.205	0.017	0.035

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	17:15:29	99.213%	38770.497	4073.906	78119.606	T 34263495.000	T 17496718.000	T 2307214.000	T 2697194.900
2	17:16:32	99.128%	39614.123	3998.671	79557.351	T 34558676.000	T 17506831.000	T 2293238.900	T 2696126.400
3	17:17:36	99.229%	39581.983	3992.618	79876.144	T 35459061.000	T 17894433.000	T 2339212.900	T 2756322.700
x		99.190%	39322.201	4021.732	79184.367	T 34760411.000	T 17632661.000	T 2313222.000	T 2716548.000
σ		0.054%	478.060	45.285	935.785	T 622789.770	T 226758.020	T 23568.485	T 34450.045
%RSD		0.055	1.216	1.126	1.182	T 1.792	T 1.286	T 1.019	T 1.268

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	17:15:29	T 3269516.000	992508.510	TM 131793570.000	1736781.600	107.103%	6719.587	78465.563	78766.185
2	17:16:32	T 3210413.800	955310.310	TM 133253550.000	1727760.100	108.732%	6561.810	78678.755	78211.532
3	17:17:36	T 3270257.300	947651.140	TM 134867940.000	1722818.700	108.671%	6806.801	78184.226	79450.677
x		T 3250062.400	965156.650	TM 133305020.000	1729120.100	108.169%	6696.066	78442.848	78809.464
σ		T 34338.625	23994.972	TM 1537832.000	7080.122	0.924%	124.178	248.046	620.705
%RSD		T 1.057	2.486	TM 1.154	0.409	0.854	1.854	0.316	0.788

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	17:15:29	295625.820	124886.440	T 5206063.600	205978.840	16533.943	2685.380	22280.515	99368.554
2	17:16:32	295919.720	123993.430	T 5111196.800	200269.960	16085.464	2601.391	21671.614	96879.374
3	17:17:36	299075.330	127421.040	T 5200211.000	203301.460	16261.718	2781.637	21588.446	98857.952
x		296873.620	125433.640	T 5172490.400	203183.420	16293.708	2689.469	21846.858	98368.627
σ		1912.385	1778.118	T 53162.468	2856.271	225.944	90.192	377.853	1314.756
%RSD		0.644	1.418	T 1.028	1.406	1.387	3.354	1.730	1.337

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	17:15:29	71071.939	8631.257	1784.765	767.728	106.520%	144371.550	244649.800	47378.362
2	17:16:32	69913.760	8749.154	1854.023	783.777	105.962%	144342.840	242785.790	47129.836
3	17:17:36	71178.528	8666.509	1879.814	793.450	106.532%	144420.520	243922.470	46764.246
x		70721.409	8682.307	1839.534	781.652	106.338%	144378.300	243786.020	47090.815
σ		701.472	60.515	49.153	12.992	0.326%	39.279	939.470	308.912
%RSD		0.992	0.697	2.672	1.662	0.306	0.027	0.385	0.656

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	17:15:29	45568.094	11702.035	28717.631	106.086%	100393.600	78579.652	235476.350	424306.990
2	17:16:32	46488.661	11897.335	28368.765	106.346%	103404.830	80535.808	234863.860	421619.330
3	17:17:36	46096.779	11902.917	28372.161	107.571%	102904.850	80064.572	232642.190	421935.900
x		46051.178	11834.096	28486.186	106.668%	102234.430	79726.677	234327.470	422620.740
σ		461.975	114.402	200.444	0.793%	1613.687	1020.914	1491.276	1468.888
%RSD		1.003	0.967	0.704	0.744	1.578	1.281	0.636	0.348

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	17:15:29	65254.394	76529.800	70134.292	171518.220	226365.280	99.410%	0.000	274018.670
2	17:16:32	65039.929	77241.023	71594.973	176209.420	231276.090	97.865%	0.000	272560.710
3	17:17:36	64285.768	75711.464	71391.100	172929.710	226039.410	99.231%	0.000	275149.590
x		64860.030	76494.096	71040.122	173552.450	227893.590	98.835%	0.000	273909.660
σ		508.755	765.404	791.067	2406.801	2933.858	0.845%	0.000	1297.878
%RSD		0.784	1.001	1.114	1.387	1.287	0.855	0.000	0.474

CCV 10/30/2010 05:22:01 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	17:23:04	105.741%	41727.546	4219.706	80903.339	T 17374721.000	T 11253784.000	1514283.300	1793902.600	10153
2	17:24:08	104.945%	41092.664	4362.069	81646.425	T 17540917.000	T 11395311.000	1530240.200	1815387.300	10150
3	17:25:11	105.189%	41775.767	4296.857	81917.747	T 17428450.000	T 11383127.000	1527715.500	1805289.600	10176
x		105.292%	41531.992	109.268%	108.886%	T 117.559%	T 11344074.000	114.856%	115.022%	101
σ		0.408%	381.233	n/a	n/a	T n/a	T 78430.198	n/a	n/a	
%RSD		0.387	0.918	1.660	0.644	T 0.486	T 0.691	0.563	0.596	
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	
1	17:23:04	10302.004	954858.110	T 15991910.000	530864.520	112.205%	229.940	85193.984	77803.807	117
2	17:24:08	8976.892	888967.020	T 16020933.000	529124.370	112.016%	208.901	83143.307	77337.454	104
3	17:25:11	8469.815	943165.580	T 16000311.000	530778.520	112.269%	220.901	84277.088	77737.440	90
x		9249.570	928996.900	T 115.967%	97.969%	112.163%	219.914	97.931%	96.647%	104
σ		946.041	35156.401	T n/a	n/a	0.131%	10.554	n/a	n/a	13
%RSD		10.228	3.784	T 0.093	0.185	0.117	4.799	1.220	0.325	
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	
1	17:23:04	307687.030	121136.930	T 5500890.400	218009.890	17631.752	2790.297	22001.451	22166.187	39
2	17:24:08	307332.130	121394.850	T 5554587.700	220128.710	17747.853	2788.429	21984.700	22563.847	41
3	17:25:11	307159.660	121187.880	T 5572445.100	220289.750	17406.652	2628.120	21913.285	22722.873	40
x		307392.940	95.632%	T 101.152%	93.886%	97.035%	100.294%	96.178%	95.614%	97
σ		268.888	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	
%RSD		0.087	0.113	T 0.672	0.580	0.986	3.403	0.213	1.275	
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**10**
1	17:23:04	17636.221	9332.433	1798.862	727.960	109.165%	151826.890	256126.290	50184.516	-
2	17:24:08	17645.329	9278.158	1782.342	710.804	110.059%	152864.030	256379.230	51931.223	-
3	17:25:11	17672.278	9405.818	1795.041	731.939	109.334%	153961.310	259031.980	51842.672	-1
x		96.571%	99.890%	107.660%	102.558%	109.519%	94.493%	257179.170	97.131%	-1
σ		n/a	n/a	n/a	n/a	0.475%	n/a	1609.561	n/a	
%RSD		0.106	0.686	0.483	1.552	0.434	0.698	0.626	1.917	
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	
1	17:23:04	49643.467	12672.696	31003.771	108.589%	87267.774	67984.235	250513.040	449754.300	106
2	17:24:08	50031.532	12590.938	31431.722	108.567%	98708.507	76587.472	250712.050	448414.070	106
3	17:25:11	50464.981	12979.362	31190.034	108.958%	103613.270	80065.764	248209.220	447190.800	106
x		96.616%	96.097%	96.390%	108.705%	89.802%	89.438%	92.425%	90.576%	106
σ		n/a	n/a	n/a	0.220%	n/a	n/a	n/a	n/a	0
%RSD		0.821	1.606	0.688	0.202	8.689	8.306	0.557	0.286	
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	
1	17:23:04	63369.434	74310.561	74562.561	181500.210	239486.600	100.938%	0.000	240246.240	2881
2	17:24:08	63862.210	75636.467	74290.061	179587.280	241858.560	100.536%	0.000	258454.720	2874
3	17:25:11	65012.102	76577.173	74280.148	180515.650	237435.020	100.803%	0.000	268773.550	2908
x		92.124%	91.973%	96.572%	94.112%	95.853%	100.759%	0.000	255824.840	2888
σ		n/a	n/a	n/a	n/a	n/a	0.204%	0.000	14444.340	18
%RSD		1.315	1.508	0.215	0.530	0.924	0.203	0.000	5.646	

CCB 10/30/2010 05:29:37 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	17:30:41	106.581%	42483.033	62.031	2223.671	578936.010	112681.640	4232.298	1484.157	16277.107
2	17:31:44	107.761%	42856.781	57.031	1941.122	560002.010	114325.000	4735.157	1679.861	16674.595
3	17:32:48	107.421%	42639.764	55.257	1733.942	552968.440	110117.310	4175.463	853.824	16175.297
x		107.254%	42659.859	58.106	1966.245	563968.820	112374.650	4380.972	1339.281	16375.666
σ		0.608%	187.683	3.512	245.829	13430.573	2120.576	308.046	431.655	263.837
%RSD		0.567	0.440	6.045	12.502	2.381	1.887	7.031	32.230	1.611
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
1	17:30:41	4687.547	961009.610	306830.190	12813.628	111.177%	122.328	3031.751	1513.323	11654.135
2	17:31:44	4901.053	996754.010	T 244657.920	13102.903	111.071%	126.047	2889.612	1518.965	9890.699
3	17:32:48	4455.736	996737.950	229703.100	13082.638	110.090%	116.269	2151.382	1443.417	8729.132
x		4681.445	984833.850	T 260397.070	12999.723	110.779%	121.548	2690.915	1491.902	10091.322
σ		222.721	20632.402	T 40901.561	161.481	0.599%	4.935	472.623	42.084	1472.786
%RSD		4.758	2.095	T 15.707	1.242	0.541	4.060	17.564	2.821	14.595
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**

1	17:30:41	9099.245	2324.035	61941.871	6181.771	166.819	109.446	-159.757	-360.351	36.463
2	17:31:44	9232.027	2342.910	64281.742	6225.319	107.817	163.901	-173.361	-327.662	14.986
3	17:32:48	9134.691	2325.670	61586.669	6110.678	143.214	141.140	-155.146	-320.871	-27.588
x		9155.321	2330.872	62603.427	6172.590	139.284	138.163	-162.755	-336.295	7.954
σ		68.753	10.458	1464.274	57.870	29.697	27.349	9.470	21.108	32.600
%RSD		0.751	0.449	2.339	0.938	21.321	19.795	5.819	6.277	409.866

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	17:30:41	-270.599	80.066	69.091	3.783	108.538%	3921.534	8521.915	657.656	-221.133
2	17:31:44	-227.152	75.025	100.097	1.394	109.829%	3833.717	8309.925	685.436	-217.560
3	17:32:48	-279.136	108.277	89.418	0.756	108.910%	3683.160	8154.583	679.985	-204.791
x		-258.963	87.789	86.202	1.977	109.092%	3812.804	8328.808	674.359	-214.494
σ		27.878	17.921	15.751	1.595	0.664%	120.555	184.393	14.720	8.591
%RSD		10.765	20.414	18.273	80.680	0.609	3.162	2.214	2.183	4.005

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	17:30:41	674.261	136.221	402.614	107.964%	8397.855	6374.678	10383.482	23014.335	105.198%
2	17:31:44	683.517	123.448	384.337	107.972%	7472.451	5652.891	10496.452	23019.841	104.596%
3	17:32:48	672.492	105.370	343.970	107.839%	6834.620	5141.461	10352.388	22857.499	105.123%
x		676.757	121.680	376.974	107.925%	7568.309	5723.010	10410.774	22963.891	104.972%
σ		5.921	15.501	30.007	0.075%	786.014	619.591	75.811	92.180	0.328%
%RSD		0.875	12.739	7.960	0.069	10.386	10.826	0.728	0.401	0.313

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	17:30:41	1541.556	2085.557	1858.930	6383.895	5819.575	100.892%	0.000	24997.413	15293.500
2	17:31:44	1423.404	1833.034	1883.909	6354.512	5837.768	101.515%	0.000	23992.268	15328.478
3	17:32:48	1289.252	1719.255	1841.901	6352.668	5846.989	99.940%	0.000	23492.467	15261.292
x		1418.071	1879.282	1861.580	6363.692	5834.777	100.782%	0.000	24160.716	15294.423
σ		126.237	187.479	21.129	17.521	13.950	0.793%	0.000	766.483	33.603
%RSD		8.902	9.976	1.135	0.275	0.239	0.787	0.000	3.172	0.220

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	17:38:19	103.589%	40811.401	52.360	1673.391	T 18234337.000	T 6454990.200	852888.790	1012414.200	165
2	17:39:22	105.658%	41667.271	48.121	1690.096	T 18547378.000	T 6571925.600	864524.130	1022086.000	160
3	17:40:26	106.699%	41743.620	47.936	1668.981	T 18823208.000	T 6741354.600	885285.370	1053933.800	164
x		105.316%	41407.430	49.472	1677.489	T 18534974.000	T 6589423.500	867566.100	1029478.000	163
σ		1.583%	517.586	2.503	11.138	T 294631.520	T 143981.870	16411.117	21724.423	2
%RSD		1.503	1.250	5.059	0.664	T 1.590	T 2.185	1.892	2.110	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	17:38:19	T 2632667.900	974602.720	TM 115798200.000	153140.690	106.290%	5441.566	4598.292	7788.369	145
2	17:39:22	T 2645041.200	963080.190	TM 116358830.000	152572.750	109.435%	5477.178	3764.324	7415.325	111
3	17:40:26	T 2670922.200	975227.730	TM 119663500.000	153430.080	112.083%	5612.078	3992.474	7431.226	87
x		T 2649543.700	970970.220	TM 117273510.000	153047.840	109.269%	5510.274	4118.364	7544.974	114
σ		T 19520.589	6840.104	TM 2088690.700	436.141	2.900%	89.945	431.001	210.937	29
%RSD		T 0.737	0.704	TM 1.781	0.285	2.654	1.632	10.465	2.796	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	17:38:19	22066.681	8811.370	121233.980	6035.744	467.534	182.815	2093.835	102556.210	153
2	17:39:22	22264.203	8778.257	115826.810	6008.134	450.127	213.472	1950.221	102699.900	152
3	17:40:26	22624.448	8754.545	110353.320	6029.102	374.918	157.564	1985.985	101524.490	149
x		22318.444	8781.391	115804.700	6024.327	430.860	184.617	2010.014	102260.200	151
σ		282.812	28.541	5440.364	14.411	49.222	27.998	74.761	641.180	2
%RSD		1.267	0.325	4.698	0.239	11.424	15.165	3.719	0.627	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	10
1	17:38:19	71482.531	197.041	269.352	129.422	105.678%	3385.484	7611.530	615.733	-1
2	17:39:22	71204.833	275.877	354.348	136.105	107.491%	3337.334	7542.035	632.529	-1
3	17:40:26	71019.360	297.647	414.390	161.906	109.205%	3316.727	7499.171	613.067	-1
x		71235.575	256.855	346.030	142.477	107.458%	3346.515	7550.912	620.443	-1
σ		233.111	52.932	72.876	17.154	1.763%	35.286	56.703	10.551	
%RSD		0.327	20.608	21.061	12.040	1.641	1.054	0.751	1.701	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	17:38:19	625.052	69.231	155.979	104.459%	6562.664	4910.508	10212.229	22635.801	104
2	17:39:22	615.304	78.541	170.367	105.662%	5778.623	4306.778	10251.561	22692.689	106
3	17:40:26	614.878	89.629	216.671	108.723%	5374.611	4020.238	10204.270	22654.384	107
x		618.412	79.134	181.006	106.281%	5905.300	4412.508	10222.687	22660.958	105
σ		5.755	10.212	31.714	2.198%	604.072	454.455	25.321	29.008	1
%RSD		0.931	12.904	17.521	2.068	10.229	10.299	0.248	0.128	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	17:38:19	1954.076	2626.929	1840.183	6273.234	6160.240	99.604%	0.000	25254.458	150
2	17:39:22	1735.049	2329.518	1805.133	6267.935	6082.597	101.451%	0.000	22618.302	149
3	17:40:26	1620.554	2160.381	1815.703	6244.135	6100.578	100.243%	0.000	21833.053	149
x		1769.893	2372.276	1820.340	6261.768	6114.472	100.433%	0.000	23235.271	150
σ		169.469	236.195	17.979	15.498	40.644	0.938%	0.000	1792.203	
%RSD		9.575	9.956	0.988	0.248	0.665	0.934	0.000	7.713	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	17:45:55	104.859%	41148.918	3574.673	68691.741	T 32313207.000	T 15464231.000	T 2034056.900	T 2388997.000
2	17:46:59	103.728%	41534.666	3649.990	70610.677	T 33067020.000	T 15981902.000	T 2084161.800	T 2436539.500
3	17:48:02	103.249%	40574.344	3447.793	71107.861	T 33748348.000	T 16178865.000	T 2128433.300	T 2487819.400
x		103.945%	41085.976	3557.485	70136.760	T 33042858.000	T 15874999.000	T 2082217.400	T 2437785.300
σ		0.827%	483.245	102.188	1275.875	T 717875.270	T 369115.670	T 47218.256	T 49422.933
%RSD		0.795	1.176	2.872	1.819	T 2.173	T 2.325	T 2.268	T 2.027

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	17:45:55	T 2630127.000	927266.200	TM 126714610.000	613933.770	108.978%	5525.858	72483.594	71481.605
2	17:46:59	T 2632193.000	984742.640	TM 129549360.000	615246.140	110.103%	5404.005	70844.735	69530.934
3	17:48:02	T 2604307.200	956161.910	TM 131801520.000	611410.220	111.922%	5403.790	72049.585	69962.581
x		T 2622209.100	956056.910	TM 129355160.000	613530.040	110.334%	5444.551	71792.638	70325.040
σ		T 15537.822	28738.364	TM 2549010.600	1949.569	1.485%	70.414	849.106	1024.604
%RSD		T 0.593	3.006	TM 1.971	0.318	1.346	1.293	1.183	1.457

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	17:45:55	271947.920	109549.400	T 4697157.700	187458.910	14936.638	2266.130	20551.306	M 127305.290
2	17:46:59	272047.180	109845.920	T 4778742.900	186148.550	14867.177	2315.836	20498.884	M 127487.180
3	17:48:02	270043.050	109700.610	T 4702394.100	183031.600	14415.132	2235.126	19977.548	M 125445.810
x		271346.050	109698.640	T 4726098.300	185546.350	14739.649	2272.364	20342.579	M 126746.090
σ		1129.525	148.270	T 45666.718	2274.256	283.178	40.714	317.211	M 1129.745
%RSD		0.416	0.135	T 0.966	1.226	1.921	1.792	1.559	M 0.891

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	17:45:55	89705.016	7902.569	1841.489	753.254	107.403%	132228.530	223135.810	43514.999
2	17:46:59	89749.857	7804.761	1898.335	766.010	107.165%	133409.490	224354.010	44188.552
3	17:48:02	88495.995	7979.391	1999.787	804.871	109.046%	133159.560	222554.200	43426.979
x		89316.956	7895.574	1913.203	774.712	107.871%	132932.530	223348.000	43710.177
σ		711.326	87.525	80.190	26.886	1.024%	622.355	918.474	416.616
%RSD		0.796	1.109	4.191	3.470	0.950	0.468	0.411	0.953

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	17:45:55	43056.798	10594.198	26098.238	106.637%	97823.398	75805.390	215978.820	389175.980
2	17:46:59	42073.908	11008.633	26290.971	107.323%	97029.101	75585.490	214451.060	386221.610
3	17:48:02	42449.650	10973.541	25989.774	107.987%	96936.636	75638.652	213839.920	387871.320
x		42526.785	10858.791	26126.327	107.316%	97263.045	75676.511	214756.600	387756.300
σ		495.964	229.815	152.551	0.675%	487.477	114.734	1101.695	1480.538
%RSD		1.166	2.116	0.584	0.629	0.501	0.152	0.513	0.382

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	17:45:55	60324.851	71052.592	64722.427	159676.700	208512.720	99.595%	0.000	243434.480
2	17:46:59	60476.550	70752.137	64842.661	156819.040	210141.090	99.277%	2.015	247719.100
3	17:48:02	60658.661	70450.878	66106.768	159469.830	210729.910	97.803%	0.000	250106.080
x		60486.687	70751.869	65223.952	158655.190	209794.570	98.892%	0.672	247086.550
σ		167.136	300.857	766.901	1593.514	1148.490	0.956%	1.163	3380.484
%RSD		0.276	0.425	1.176	1.004	0.547	0.967	173.205	1.368

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	17:53:32	107.384%	42491.070	51.541	2262.088	T 19265522.000	T 6707680.800	877545.860	1039645.900	31
2	17:54:36	107.503%	43724.900	58.028	2102.312	T 19627342.000	T 6803769.900	894175.540	1055934.400	30
3	17:55:39	108.363%	43443.556	52.262	1807.424	T 19636439.000	T 6851808.500	900220.170	1076880.900	30
x		107.750%	43219.842	53.944	2057.275	T 19509768.000	T 6787753.100	890647.190	1057487.100	30
σ		0.534%	646.622	3.555	230.654	T 211571.840	T 73386.659	11741.719	18666.003	
%RSD		0.496	1.496	6.591	11.212	T 1.084	T 1.081	1.318	1.765	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	17:53:32	T 2813285.500	960904.280	TM 113071640.000	632276.970	115.204%	5798.819	5208.499	11073.991	12
2	17:54:36	T 2795207.500	928490.720	TM 114438380.000	628368.770	117.428%	5816.791	2925.798	10810.032	10
3	17:55:39	T 2774900.500	879275.800	TM 113916240.000	625817.080	119.519%	5780.362	3450.515	11206.949	8
x		T 2794464.500	922890.270	TM 113808750.000	628820.940	117.384%	5798.657	3861.604	11030.324	10
σ		T 19203.278	41101.413	TM 689681.940	3253.592	2.158%	18.215	1195.587	202.029	1
%RSD		T 0.687	4.454	TM 0.606	0.517	1.838	0.314	30.961	1.832	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	17:53:32	29453.882	15139.055	218504.360	6230.528	688.683	211.787	1992.079	M 156493.490	M 22
2	17:54:36	29848.703	15053.222	216044.110	6122.603	685.029	174.075	1732.746	M 154233.600	M 22
3	17:55:39	29105.342	15259.054	207860.250	6105.914	634.568	215.283	1929.448	M 153957.860	M 22
x		29469.309	15150.444	214136.240	6153.015	669.427	200.382	1884.758	M 154894.980	M 22
σ		371.921	103.387	5572.636	67.645	30.244	22.849	135.319	M 1391.195	M
%RSD		1.262	0.682	2.602	1.099	4.518	11.403	7.180	M 0.898	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	1
1	17:53:32	M 108795.770	252.998	439.141	155.572	112.543%	3387.828	7671.895	630.788	
2	17:54:36	M 108531.430	363.540	463.806	165.180	114.865%	3370.430	7515.475	644.769	
3	17:55:39	M 106995.880	166.420	508.255	165.204	116.100%	3336.754	7500.435	637.000	
x		M 108107.690	260.986	470.401	161.985	114.503%	3365.004	7562.602	637.519	
σ		M 971.887	98.802	35.026	5.554	1.806%	25.966	94.949	7.005	
%RSD		M 0.899	37.857	7.446	3.429	1.577	0.772	1.256	1.099	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	17:53:32	639.889	118.493	315.307	110.755%	4806.107	3562.188	10997.102	24125.434	10
2	17:54:36	635.945	106.998	264.336	111.783%	4675.136	3483.512	10986.224	23962.008	10
3	17:55:39	616.035	75.486	237.073	113.400%	4635.941	3446.918	10959.951	24021.402	10
x		630.623	100.326	272.239	111.979%	4705.728	3497.539	10981.092	24036.281	10
σ		12.787	22.266	39.711	1.333%	89.112	58.901	19.100	82.723	
%RSD		2.028	22.194	14.587	1.191	1.894	1.684	0.174	0.344	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	17:53:32	1560.131	2100.648	1838.773	6276.101	6778.871	101.298%	0.000	21893.708	15
2	17:54:36	1544.118	1879.579	1839.784	6274.367	6719.535	100.078%	0.000	21184.673	15
3	17:55:39	1444.165	1969.677	1820.223	6249.433	6735.293	99.419%	0.000	20859.327	15
x		1516.138	1983.301	1832.927	6266.634	6744.566	100.265%	0.000	21312.569	15
σ		62.843	111.163	11.013	14.921	30.736	0.953%	0.000	528.918	
%RSD		4.145	5.605	0.601	0.238	0.456	0.951	0.000	2.482	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	18:01:09	114.541%	45389.027	55.383	1536.147	196753.590	96143.773	2429.012	-1078.406	6913.975
2	18:02:12	114.576%	45594.049	50.138	1538.907	189614.970	95259.517	2135.033	-1187.362	6810.813
3	18:03:15	115.034%	44958.897	48.316	1364.137	158221.270	95298.745	2245.981	-1084.743	6911.975
x		114.717%	45313.991	51.279	1479.730	181529.940	95567.345	2270.009	-1116.837	6878.921
σ		0.275%	324.156	3.669	100.116	20499.044	499.587	148.455	61.159	58.992
%RSD		0.240	0.715	7.155	6.766	11.292	0.523	6.540	5.476	0.858

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	18:01:09	8370.613	851624.620	T 510760.710	12722.889	123.478%	152.255	3250.184	2651.713	11570.566
2	18:02:12	8237.493	857177.390	T 479201.350	12804.641	122.873%	135.100	2395.718	2604.264	9950.859
3	18:03:15	8223.069	857658.390	T 440026.780	12663.523	122.382%	151.985	2566.364	2662.919	8669.896
x		8277.058	855486.800	T 476662.940	12730.351	122.911%	146.447	2737.422	2639.632	10063.774
σ		81.341	3353.381	T 35435.224	70.854	0.549%	9.827	452.187	31.138	1453.628
%RSD		0.983	0.392	T 7.434	0.557	0.447	6.710	16.519	1.180	14.444

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	18:01:09	28260.477	4656.396	207705.660	5928.874	122.612	58.164	-252.632	622.773	139.466
2	18:02:12	28455.355	4569.738	213605.850	5929.321	163.342	131.750	-255.489	632.422	137.392
3	18:03:15	28057.598	4521.861	215622.190	5959.103	94.454	56.830	-255.795	598.416	139.979
x		28257.810	4582.665	212311.230	5939.099	126.803	82.248	-254.639	617.870	138.945
σ		198.892	68.193	4113.985	17.325	34.635	42.875	1.744	17.525	1.370
%RSD		0.704	1.488	1.938	0.292	27.314	52.129	0.685	2.836	0.986

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	18:01:09	364.841	188.003	230.554	26.843	117.887%	3086.698	7170.837	606.721	-192.253
2	18:02:12	387.058	153.231	174.069	32.189	117.886%	3137.597	7136.909	627.094	-200.557
3	18:03:15	379.212	201.613	188.207	25.615	118.033%	3091.622	7140.016	617.104	-229.262
x		377.037	180.949	197.610	28.216	117.935%	3105.306	7149.254	616.973	-207.357
σ		11.267	24.950	29.393	3.496	0.085%	28.074	18.756	10.187	19.419
%RSD		2.988	13.789	14.874	12.389	0.072	0.904	0.262	1.651	9.365

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	18:01:09	617.375	90.271	163.522	116.192%	4469.700	3305.423	10109.111	22508.451	109.286%
2	18:02:12	618.932	103.440	266.596	117.206%	4453.926	3293.932	10106.542	22476.039	110.335%
3	18:03:15	613.966	124.917	285.405	115.905%	4432.665	3298.731	10135.243	22493.408	110.990%
x		616.758	106.209	238.508	116.434%	4452.097	3299.362	10116.965	22492.632	110.204%
σ		2.540	17.489	65.617	0.683%	18.585	5.771	15.881	16.220	0.860%
%RSD		0.412	16.466	27.511	0.587	0.417	0.175	0.157	0.072	0.780

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	18:01:09	1172.137	1619.100	1777.365	6149.190	5553.863	102.246%	0.000	20372.579	14947.834
2	18:02:12	1160.051	1623.731	1769.521	6135.431	5582.715	102.397%	0.000	20309.348	14957.519
3	18:03:15	1165.006	1555.628	1773.247	6138.837	5523.270	103.457%	0.000	20324.297	14966.524
x		1165.731	1599.486	1773.378	6141.153	5553.283	102.700%	0.000	20335.408	14957.293
σ		6.076	38.053	3.924	7.166	29.727	0.660%	0.000	33.048	9.347
%RSD		0.521	2.379	0.221	0.117	0.535	0.643	0.000	0.163	0.062

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	18:08:43	115.208%	45610.129	50.892	1348.636	122530.730	90937.662	1600.605	-1862.616	7763.945
2	18:09:47	115.645%	44942.818	43.892	1293.585	100826.240	90735.836	1516.128	-2027.437	7764.070
3	18:10:50	115.417%	44894.581	49.119	1183.434	98130.267	90775.742	1511.592	-2014.396	7994.841
x		115.423%	45149.176	47.968	1275.218	107162.410	90816.413	1542.775	-1968.150	7840.952
σ		0.219%	399.925	3.639	84.119	13377.440	106.883	50.133	91.627	133.272
%RSD		0.189	0.886	7.587	6.596	12.483	0.118	3.250	4.655	1.700

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	18:08:43	7026.608	899394.920	T 258046.120	12321.985	118.319%	133.539	2367.581	2918.990	12423.161
2	18:09:47	6947.657	900132.390	T 230403.490	12542.254	119.462%	140.632	1909.219	2927.123	10310.908
3	18:10:50	7158.823	905531.540	214199.740	12381.099	118.091%	145.652	2440.049	2764.827	8941.083
x		7044.363	901686.280	T 234216.450	12415.113	118.624%	139.941	2238.950	2870.313	10558.384
σ		106.697	3350.447	T 22170.480	114.005	0.734%	6.086	287.845	91.444	1754.180
%RSD		1.515	0.372	T 9.466	0.918	0.619	4.349	12.856	3.186	16.614

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
1	18:08:43	16657.195	3377.014	-4744.649	5927.758	221.191	58.635	-159.424	611.720	178.656
2	18:09:47	16830.218	3358.318	-5067.151	5910.159	188.821	100.023	-169.088	569.306	142.503
3	18:10:50	16930.080	3313.023	-1314.392	5921.157	167.672	8.593	-176.445	558.314	136.852
x		16805.831	3349.452	-3708.731	5919.691	192.562	55.751	-168.319	579.780	152.671
σ		138.067	32.904	2079.818	8.891	26.955	45.783	8.536	28.202	22.681
%RSD		0.822	0.982	56.079	0.150	13.998	82.122	5.072	4.864	14.856

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	18:08:43	288.026	44.824	97.242	7.405	114.528%	3100.958	7124.314	614.189	-182.629
2	18:09:47	327.275	127.015	97.249	16.159	114.501%	3099.245	7120.871	603.571	-195.241
3	18:10:50	391.193	224.569	133.672	23.168	114.273%	3083.775	7089.785	610.685	-222.107
x		335.498	132.136	109.388	15.578	114.434%	3094.659	7111.657	609.482	-199.993
σ		52.073	89.982	21.031	7.898	0.140%	9.465	19.019	5.410	20.163
%RSD		15.521	68.098	19.226	50.701	0.123	0.306	0.267	0.888	10.082

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	18:08:43	605.485	79.417	211.862	112.722%	4437.028	3274.697	10076.699	22457.715	110.774%
2	18:09:47	603.722	88.276	255.851	112.365%	4425.609	3257.866	10062.674	22442.157	109.415%
3	18:10:50	612.617	118.214	146.132	112.407%	4398.467	3263.316	10098.239	22452.784	109.558%
x		607.274	95.302	204.615	112.498%	4420.368	3265.293	10079.204	22450.885	109.916%
σ		4.710	20.330	55.218	0.195%	19.808	8.588	17.914	7.951	0.747%
%RSD		0.776	21.333	26.986	0.173	0.448	0.263	0.178	0.035	0.680

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	18:08:43	1265.666	1629.383	1761.627	6130.956	5581.992	103.836%	0.000	20249.486	14933.512
2	18:09:47	1213.360	1647.352	1771.186	6132.687	5553.631	104.318%	0.000	20257.374	14933.326
3	18:10:50	1232.474	1615.170	1780.975	6131.096	5550.276	103.478%	0.000	20204.372	14920.123
x		1237.167	1630.635	1771.263	6131.580	5561.967	103.877%	0.000	20237.077	14928.987
σ		26.467	16.128	9.674	0.961	17.424	0.422%	0.000	28.597	7.677
%RSD		2.139	0.989	0.546	0.016	0.313	0.406	0.000	0.141	0.051

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	18:16:19	108.103%	43254.659	44.917	1408.540	T 30266080.000	T 9291992.500	1237064.700	1462141.200
2	18:17:22	109.119%	43897.730	51.186	1512.113	T 30875279.000	T 9460364.200	1257770.000	1495586.500
3	18:18:26	109.827%	43917.827	48.313	1515.042	T 31493658.000	T 9662721.400	1289722.500	1529460.700
x		109.016%	43690.072	48.139	1478.565	T 30878339.000	T 9471692.700	1261519.100	1495729.500
σ		0.867%	377.213	3.138	60.661	T 613794.590	T 185623.870	26528.303	33659.999
%RSD		0.795	0.863	6.519	4.103	T 1.988	T 1.960	2.103	2.250

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	18:16:19	T 9296422.500	956090.840	TM 94994218.000	TM 10922435.000	108.695%	19342.484	4264.664	43621.240
2	18:17:22	T 9365947.200	913929.460	TM 96714045.000	TM 10813117.000	111.427%	19370.224	4614.225	43664.723
3	18:18:26	T 9324676.500	904668.320	TM 98150602.000	TM 10771901.000	114.783%	18697.319	4006.107	42753.912
x		T 9329015.400	924896.210	TM 96619622.000	TM 10835817.000	111.635%	19136.676	4294.999	43346.625
σ		T 34964.863	27409.323	TM 1580309.200	TM 77791.897	3.049%	380.746	305.191	513.765
%RSD		T 0.375	2.964	TM 1.636	TM 0.718	2.731	1.990	7.106	1.185

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	18:16:19	145217.380	172981.090	T 2394942.500	7418.890	1418.914	719.617	10452.692	M 369808.370
2	18:17:22	145836.950	172342.550	2372087.700	7407.065	1627.491	745.691	10641.170	M 372096.760
3	18:18:26	142758.420	171388.210	T 2382342.000	7300.196	1455.287	785.387	10341.088	M 367459.380
x		144604.250	172237.280	T 2383124.100	7375.384	1500.564	750.231	10478.316	M 369788.170
σ		1628.273	801.639	T 11447.483	65.382	111.416	33.119	151.673	M 2318.761
%RSD		1.126	0.465	T 0.480	0.886	7.425	4.415	1.447	M 0.627

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	18:16:19	M 258845.750	779.485	599.815	262.970	110.073%	3764.538	8330.446	1348.395
2	18:17:22	M 257388.250	664.133	640.241	272.880	113.256%	3816.040	8253.470	1376.763
3	18:18:26	M 256812.210	779.854	743.663	320.386	115.025%	3781.975	8340.653	1397.697
x		M 257682.070	741.158	661.239	285.412	112.784%	3787.518	8308.190	1374.285
σ		M 1048.127	66.705	74.187	30.691	2.509%	26.195	47.662	24.744
%RSD		M 0.407	9.000	11.219	10.753	2.225	0.692	0.574	1.801

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	18:16:19	1439.757	1258.011	3026.122	104.818%	4584.432	3376.075	34182.003	65248.854
2	18:17:22	1361.914	1244.130	3143.346	108.177%	4517.051	3350.662	34506.796	65097.396
3	18:18:26	1370.409	1337.482	2995.323	109.840%	4494.057	3326.559	33133.308	64255.456
x		1390.693	1279.875	3054.930	107.611%	4531.847	3351.099	33940.702	64867.235
σ		42.702	50.370	78.104	2.558%	46.969	24.761	717.835	535.201
%RSD		3.071	3.936	2.557	2.378	1.036	0.739	2.115	0.825

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	18:16:19	1905.830	2472.153	1918.817	6496.928	71138.156	99.407%	0.000	21499.330
2	18:17:22	1955.269	2430.816	1889.142	6464.139	72094.720	99.030%	0.000	21469.124
3	18:18:26	1804.108	2459.062	1892.646	6473.150	71749.722	100.880%	0.000	21424.155
x		1888.402	2454.010	1900.202	6478.072	71660.866	99.772%	0.000	21464.203
σ		77.073	21.126	16.216	16.939	484.433	0.977%	0.000	37.828
%RSD		4.081	0.861	0.853	0.261	0.676	0.980	0.000	0.176

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	18:23:54	110.234%	45075.473	49.149	31933.593	T 8798589.400	T 10023852.000	1342145.200	1583721.600
2	18:24:57	108.650%	44589.083	47.599	32622.572	T 8822458.600	T 10064400.000	1349421.800	1599074.000
3	18:26:01	108.127%	43407.384	49.538	32658.155	T 8849702.400	T 10097038.000	1357858.100	1602602.400
x		109.004%	44357.313	48.762	32404.773	T 8823583.500	T 10061763.000	1349808.300	1595132.700
σ		1.097%	857.856	1.026	408.442	T 25575.045	T 36664.251	7863.581	10038.503
%RSD		1.007	1.934	2.103	1.260	T 0.290	T 0.364	0.583	0.629

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	18:23:54	743055.710	926571.470	TM 70233540.000	TM 3769385.400	114.053%	2265.943	4224.687	13239.852
2	18:24:57	746904.140	947787.450	TM 70816897.000	TM 3767659.300	112.833%	2116.685	3722.012	13249.294
3	18:26:01	738812.540	942987.950	TM 70471379.000	TM 3739510.700	112.886%	2177.709	3834.471	13136.249
x		742924.130	939115.620	TM 70507272.000	TM 3758851.800	113.257%	2186.779	3927.057	13208.465
σ		4047.407	11125.449	TM 293330.310	TM 16772.084	0.689%	75.041	263.817	62.719
%RSD		0.545	1.185	TM 0.416	TM 0.446	0.609	3.432	6.718	0.475

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	18:23:54	126833.000	M 1417385.600	2126057.800	6874.600	732.263	326.089	9114.259	72202.994
2	18:24:57	127409.780	M 1419987.900	T 2140748.000	6930.125	702.814	409.519	9434.752	71539.257
3	18:26:01	126516.060	M 1405654.200	2109361.400	6888.854	787.736	345.378	9005.841	70958.469
x		126919.610	M 1414342.600	T 2125389.100	6897.860	740.938	360.329	9184.951	71566.907
σ		453.112	M 7636.021	T 15703.979	28.837	43.120	43.678	223.023	622.723
%RSD		0.357	M 0.540	T 0.739	0.418	5.820	12.122	2.428	0.870

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	18:23:54	50841.925	358.442	326.880	108.885	113.651%	6949.934	13715.701	801.119
2	18:24:57	50819.128	512.066	455.823	170.941	113.235%	7033.509	13694.721	830.932
3	18:26:01	50518.465	579.398	542.658	190.272	112.035%	7012.869	13633.385	803.650
x		50726.506	483.302	441.787	156.699	112.973%	6998.771	13681.269	811.901
σ		180.529	113.251	108.571	42.522	0.839%	43.535	42.775	16.531
%RSD		0.356	23.433	24.576	27.136	0.743	0.622	0.313	2.036

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	18:23:54	815.663	816.667	1962.232	110.441%	4808.470	3573.331	117213.550	212154.080
2	18:24:57	825.433	863.099	1923.498	109.203%	4776.388	3576.343	117998.910	210355.850
3	18:26:01	792.347	796.951	1948.208	107.189%	4756.151	3565.110	121197.680	217814.600
x		811.148	825.572	1944.646	108.945%	4780.336	3571.595	118803.380	213441.510
σ		16.999	33.962	19.611	1.641%	26.382	5.814	2110.381	3892.473
%RSD		2.096	4.114	1.008	1.507	0.552	0.163	1.776	1.824

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	18:23:54	1745.982	2389.875	1835.248	6322.752	68280.413	100.757%	0.000	21179.856
2	18:24:57	1805.459	2262.496	1870.014	6316.837	68760.765	99.856%	0.000	21099.429
3	18:26:01	1676.997	2254.727	1853.274	6279.396	67597.700	100.590%	0.000	21152.186
x		1742.813	2302.366	1852.845	6306.328	68212.959	100.401%	0.000	21143.824
σ		64.290	75.885	17.387	23.511	584.459	0.479%	0.000	40.861
%RSD		3.689	3.296	0.938	0.373	0.857	0.478	0.000	0.193

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26I
1	18:31:29	98.630%	45067.433	93.067	30178.576	T 8581265.000	T 17548837.000	T 2300278.300	T 2713552.2
2	18:32:32	97.498%	44114.777	96.886	30462.806	T 8673204.800	T 17884802.000	T 2339101.700	T 2754700.2
3	18:33:36	96.581%	43660.592	106.847	31302.552	T 8778579.000	T 18155462.000	T 2370962.600	T 2792198.3
x		97.569%	44280.934	98.933	30647.978	T 8677682.900	T 17863034.000	T 2336780.800	T 2753483.6
σ		1.027%	717.988	7.115	584.420	T 98733.208	T 303897.950	T 35399.242	T 39337.1
%RSD		1.052	1.621	7.191	1.907	T 1.138	T 1.701	T 1.515	T 1.4

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52
1	18:31:29	851975.600	1077235.800	TM 170004390.000	TM 4563299.300	100.584%	7397.832	18300.628	37809.6
2	18:32:32	866548.160	1106060.100	TM 172992130.000	TM 4626294.400	99.465%	7551.467	17935.180	37747.0
3	18:33:36	855263.140	1063405.400	TM 174532660.000	TM 4568659.100	100.422%	7786.493	17739.391	37369.6
x		857928.970	1082233.800	TM 172509730.000	TM 4586084.200	100.157%	7578.597	17991.733	37642.1
σ		7643.288	21762.095	TM 2302353.100	TM 34925.948	0.605%	195.746	284.860	238.0
%RSD		0.891	2.011	TM 1.335	TM 0.762	0.604	2.583	1.583	0.6

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66

1	18:31:29	1285956.900	M 1649926.700	T 22293181.000	14030.051	4980.596	1085.487	31428.500	M 161039.5
2	18:32:32	1303884.800	M 1677636.200	T 22691345.000	14075.893	5148.317	1155.821	31403.691	M 165074.4
3	18:33:36	1295754.500	M 1666136.000	T 22485432.000	14007.385	4959.636	990.184	31338.893	M 164832.8
x		1295198.700	M 1664566.300	T 22489986.000	14037.776	5029.516	1077.164	31390.361	M 163648.9
σ		8976.865	M 13921.273	T 199121.150	34.902	103.417	83.132	46.266	M 2263.0
%RSD		0.693	M 0.836	T 0.885	0.249	2.056	7.718	0.147	M 1.3

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107
1	18:31:29	M 115176.360	961.424	192.816	167.226	122.754%	13309.279	24306.295	2602.6
2	18:32:32	M 116526.320	1089.886	355.167	214.353	121.668%	13348.968	24001.819	2477.2
3	18:33:36	M 115258.090	991.029	404.567	230.733	121.430%	13448.490	24588.335	2483.1
x		M 115653.590	1014.113	317.517	204.104	121.951%	13368.912	24298.816	2521.0
σ		M 756.912	67.270	110.782	32.971	0.706%	71.716	293.329	70.7
%RSD		M 0.654	6.633	34.890	16.154	0.579	0.536	1.207	2.8

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137
1	18:31:29	2453.926	4040.358	9804.973	99.915%	5478.037	4123.198	118763.240	215072.7
2	18:32:32	2464.491	4200.259	10001.434	98.490%	5506.574	4112.877	119298.570	215113.4
3	18:33:36	2440.099	4158.586	10091.258	98.926%	5484.690	4123.296	120410.760	216225.0
x		2452.838	4133.068	9965.888	99.111%	5489.767	4119.790	119490.860	215470.4
σ		12.232	82.948	146.415	0.730%	14.931	5.987	840.421	653.8
%RSD		0.499	2.007	1.469	0.736	0.272	0.145	0.703	0.3

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232
1	18:31:29	2576.040	3038.076	2512.107	7746.854	430470.300	96.003%	0.000	35948.9
2	18:32:32	2391.285	3131.496	2464.671	7815.047	441030.780	94.526%	0.000	36560.1
3	18:33:36	2557.828	3127.641	2456.256	7809.016	437443.980	95.091%	0.000	36400.0
x		2508.384	3099.071	2477.678	7790.306	436315.020	95.207%	0.000	36303.0
σ		101.819	52.858	30.112	37.751	5369.997	0.745%	0.000	316.9
%RSD		4.059	1.706	1.215	0.485	1.231	0.782	0.000	0.8

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	18:39:05	96.822%	44408.201	98.391	5555.864	T 24431497.000	T 9081125.900	1207383.000	1440686.400
2	18:40:08	97.430%	44677.515	88.722	5602.115	T 24547883.000	T 9138277.700	1217262.600	1446369.600
3	18:41:12	97.636%	43877.634	85.524	5854.965	T 24766403.000	T 9171091.600	1223870.100	1465698.000
x		97.296%	44321.117	90.879	5670.981	T 24581928.000	T 9130165.000	1216171.900	1450918.000
σ		0.423%	406.989	6.700	161.004	T 170028.980	T 45528.214	8297.496	13111.491
%RSD		0.435	0.918	7.372	2.839	T 0.692	T 0.499	0.682	0.904

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	18:39:05	515615.030	1011300.900	T 24854104.000	T 2673560.600	100.580%	4198.641	17499.632	280647.600
2	18:40:08	510005.750	1067848.000	T 25130311.000	T 2674247.900	102.004%	4789.347	15075.526	279716.510
3	18:41:12	513013.200	1021421.000	T 25257725.000	T 2658178.500	103.189%	4218.533	14792.545	279083.730
x		512877.990	1033523.300	T 25080713.000	T 2668662.300	101.924%	4402.174	15789.234	279815.950
σ		2807.085	30153.623	T 206330.410	T 9085.744	1.306%	335.450	1487.990	786.662
%RSD		0.547	2.918	T 0.823	T 0.340	1.282	7.620	9.424	0.281

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	18:39:05	1077848.000	409552.040	T 18815670.000	17669.367	28859.968	4514.868	114138.950	M 1047096.000
2	18:40:08	1083220.000	411896.930	T 18830067.000	17920.423	28437.573	4580.489	M 114267.360	M 1040281.200
3	18:41:12	1080547.300	409863.890	T 18775872.000	17443.997	29023.528	4545.320	113240.390	M 1047096.300
x		1080538.400	410437.620	T 18807203.000	17677.929	28773.689	4546.892	M 113882.230	M 1044824.500
σ		2686.012	1273.382	T 28072.010	238.329	302.355	32.839	M 559.548	M 3934.645
%RSD		0.249	0.310	T 0.149	1.348	1.051	0.722	M 0.491	M 0.377

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	18:39:05	M 724598.800	270.071	-796.809	17.885	336.345%	9511.347	17764.733	21894.772
2	18:40:08	M 719315.580	289.808	-765.395	26.507	342.617%	9464.537	17689.154	21465.214
3	18:41:12	M 723797.850	235.094	-744.810	36.256	344.585%	9604.245	17765.696	21667.900
x		M 722570.740	264.991	-769.005	26.883	341.182%	9526.710	17739.861	21675.962
σ		M 2847.358	27.708	26.187	9.191	4.303%	71.109	43.916	214.893
%RSD		M 0.394	10.456	3.405	34.191	1.261	0.746	0.248	0.991

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	18:39:05	20948.479	66196.854	M 163614.380	100.042%	25734.851	20057.853	87094.979	158190.560
2	18:40:08	21178.155	M 66550.565	M 163151.080	102.101%	25527.622	19934.907	85878.213	156178.040
3	18:41:12	21489.329	M 67603.115	M 164448.480	101.290%	26000.268	20031.432	87596.781	157494.120
x		21205.321	M 66783.511	M 163737.980	101.144%	25754.247	20008.064	86856.658	157287.570
σ		271.446	M 731.499	M 657.471	1.037%	236.919	64.719	883.723	1022.036
%RSD		1.280	M 1.095	M 0.402	1.026	0.920	0.323	1.017	0.650

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	18:39:05	2243.836	2753.336	2549.560	8065.683	M 4816206.800	97.521%	0.000	26202.395
2	18:40:08	2257.932	2770.231	2567.333	7950.094	M 4836419.100	98.096%	2.039	26287.724
3	18:41:12	2238.120	2807.212	2579.133	7921.036	M 4859654.200	97.905%	0.000	26316.595
x		2246.629	2776.927	2565.342	7978.938	M 4837426.700	97.841%	0.680	26268.905
σ		10.197	27.555	14.887	76.516	M 21741.202	0.293%	1.177	59.381
%RSD		0.454	0.992	0.580	0.959	M 0.449	0.300	173.205	0.226

200-2081-A-5-C 10/30/2010 06:45:38 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	18:46:41	99.634%	43174.278	83.390	367637.480	T 16069095.000	T 7502721.400	995828.700	1173484.700
2	18:47:45	100.409%	43009.500	84.964	370935.140	T 15929072.000	T 7500860.100	989157.460	1178588.200
3	18:48:48	100.180%	42599.577	90.082	370732.500	T 16164938.000	T 7593628.100	999285.590	1193573.100
x		100.074%	42927.785	86.145	369768.380	T 16054368.000	T 7532403.200	994757.250	1181882.000
σ		0.398%	295.937	3.499	1848.188	T 118620.430	T 53030.500	5148.373	10441.352
%RSD		0.398	0.689	4.062	0.500	T 0.739	T 0.704	0.518	0.883

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	18:46:41	391071.160	1014086.300	T 39242969.000	TM 9482905.900	105.903%	4053.725	17803.233	34945.251
2	18:47:45	399018.660	1008596.000	T 39355109.000	TM 9557635.600	105.504%	3858.555	18601.361	35439.622
3	18:48:48	393505.550	1041517.200	T 39815274.000	TM 9483204.600	107.702%	3820.658	18218.083	35662.277
x		394531.790	1021399.800	T 39471118.000	TM 9507915.400	106.370%	3910.979	18207.559	35349.050
σ		4071.926	17637.102	T 303276.820	TM 43059.262	1.171%	125.065	399.168	366.993
%RSD		1.032	1.727	T 0.768	TM 0.453	1.101	3.198	2.192	1.038

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	18:46:41	843230.460	M 2484871.900	T 14805214.000	13996.683	10559.874	1986.677	20735.864	M 126667.650
2	18:47:45	844152.200	TM 2516783.300	T 14891886.000	14188.856	10713.326	2027.721	20198.598	M 127319.610
3	18:48:48	836067.040	TM 2487766.100	T 14773239.000	13865.965	10425.810	2018.387	20488.268	M 127625.480
x		841149.900	TM 2496473.800	T 14823446.000	14017.168	10566.337	2010.928	20474.243	M 127204.240
σ		4425.948	TM 17648.025	T 61388.637	162.417	143.867	21.515	268.908	M 489.226
%RSD		0.526	TM 0.707	T 0.414	1.159	1.362	1.070	1.313	M 0.385

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	18:46:41	91364.763	1421.406	-215.587	61.620	158.505%	5272.354	10690.314	2788.206
2	18:47:45	90695.234	1444.958	-234.619	54.272	160.081%	5170.822	10643.102	2692.392
3	18:48:48	89809.287	1415.719	-237.068	52.770	161.020%	5212.582	10560.426	2744.674
x		90623.094	1427.361	-229.091	56.221	159.869%	5218.586	10631.281	2741.758
σ		780.243	15.503	11.759	4.736	1.271%	51.032	65.746	47.974
%RSD		0.861	1.086	5.133	8.424	0.795	0.978	0.618	1.750

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	18:46:41	2793.696	4801.299	11798.690	102.496%	8051.700	6124.840	166403.070	299869.930
2	18:47:45	2688.250	4963.551	11837.211	103.839%	8002.946	6074.092	165153.520	299958.450
3	18:48:48	2665.462	4847.553	11591.208	103.920%	8024.821	6145.133	167388.570	301853.580
x		2715.803	4870.801	11742.370	103.418%	8026.489	6114.688	166315.050	300560.650
σ		68.413	83.587	132.319	0.800%	24.420	36.592	1120.119	1120.582
%RSD		2.519	1.716	1.127	0.774	0.304	0.598	0.673	0.373

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	18:46:41	2047.469	2698.451	2094.120	6977.245	M 1337390.900	99.922%	0.000	26885.769
2	18:47:45	2097.228	2679.442	2096.199	6932.451	M 1335397.500	100.487%	0.000	26653.191
3	18:48:48	2066.239	2551.736	2096.221	6916.868	M 1329482.100	101.655%	0.000	27506.680
x		2070.312	2643.210	2095.513	6942.188	M 1334090.200	100.688%	0.000	27015.213
σ		25.128	79.787	1.207	31.344	M 4113.307	0.884%	0.000	441.223
%RSD		1.214	3.019	0.058	0.452	M 0.308	0.878	0.000	1.633

CCV 10/30/2010 06:53:14 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	18:54:17	101.176%	39256.577	4138.809	81523.354	T 16281201.000	T 10888934.000	1455093.500	1718489.300	1009
2	18:55:21	102.257%	41132.845	4216.706	83252.820	T 16340826.000	T 11007150.000	1470133.200	1748845.300	1013
3	18:56:24	102.554%	41044.447	4171.394	83097.503	T 16460727.000	T 11076489.000	1483191.100	1750596.400	1019
x		101.996%	40477.956	106.283%	110.403%	T 110.234%	T 10990858.000	110.741%	110.844%	10
σ		0.725%	1058.669	n/a	n/a	T n/a	T 94832.785	n/a	n/a	
%RSD		0.711	2.615	0.937	1.158	T 0.559	T 0.863	0.957	1.038	
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	
1	18:54:17	7550.375	1034401.200	T 15555468.000	535351.270	103.801%	210.019	81928.155	76851.750	6
2	18:55:21	7006.838	1101759.600	T 15630858.000	537000.980	105.397%	229.611	82057.294	77313.963	5
3	18:56:24	6960.311	1045801.100	T 15720932.000	539267.270	105.900%	220.965	82801.691	77639.272	4
x		7172.508	1060653.900	T 113.296%	99.253%	105.033%	220.199	95.672%	96.201%	5
σ		328.068	36051.962	T n/a	n/a	1.096%	9.818	n/a	n/a	
%RSD		4.574	3.399	T 0.530	0.366	1.043	4.459	0.573	0.512	
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	
1	18:54:17	308075.530	123858.920	T 5539346.000	217312.310	17543.008	2835.580	21904.118	23504.922	4
2	18:55:21	309469.830	123407.930	T 5589741.900	219698.230	17613.667	2658.411	21896.063	23120.806	4
3	18:56:24	311807.560	124797.480	T 5656836.700	224221.720	18008.918	2834.975	21874.391	23124.494	4
x		309784.310	97.826%	T 102.114%	94.285%	97.733%	101.787%	95.849%	98.870%	10
σ		1885.786	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	
%RSD		0.609	0.572	T 1.053	1.592	1.417	3.678	0.070	0.949	
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**10**
1	18:54:17	17867.578	9135.452	1887.583	721.098	102.373%	152539.800	256761.790	51072.002	-
2	18:55:21	18104.659	9195.154	1835.044	720.758	104.376%	153265.180	258318.250	51924.229	-
3	18:56:24	17984.027	9275.050	1838.425	716.938	103.970%	154340.750	260696.610	51404.197	-
x		98.400%	98.425%	111.361%	101.996%	103.573%	94.801%	258592.210	97.410%	-
σ		n/a	n/a	n/a	n/a	1.059%	n/a	1981.665	n/a	
%RSD		0.659	0.761	1.586	0.321	1.022	0.591	0.766	0.835	
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	
1	18:54:17	50261.866	12799.023	31735.083	102.089%	85654.682	66511.019	248821.110	447652.630	10
2	18:55:21	49991.932	12792.145	31034.235	104.222%	97703.500	75856.437	248984.320	448881.780	10
3	18:56:24	50068.925	12796.661	31861.092	103.666%	103769.520	81418.217	253683.910	452474.120	10
x		96.734%	96.461%	97.425%	103.326%	89.038%	89.099%	92.679%	90.822%	10
σ		n/a	n/a	n/a	1.107%	n/a	n/a	n/a	n/a	
%RSD		0.278	0.027	1.412	1.071	9.634	10.099	1.102	0.557	
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	
1	18:54:17	65743.451	76829.388	74694.167	180388.190	243763.820	97.633%	0.000	245152.610	288
2	18:55:21	65085.790	77576.713	76082.847	182334.840	242411.250	98.084%	0.000	266560.600	295
3	18:56:24	66238.360	77532.315	75253.149	181033.200	241114.060	99.502%	0.000	270732.010	285
x		94.435%	94.172%	97.826%	94.486%	96.987%	98.406%	0.000	260815.080	289
σ		n/a	n/a	n/a	n/a	n/a	0.975%	0.000	13723.508	4
%RSD		0.880	0.542	0.927	0.547	0.547	0.991	0.000	5.262	

CCB 10/30/2010 07:00:52 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	19:01:55	104.952%	41715.491	55.871	3320.046	45692.703	118925.770	5498.303	2280.210	18206.940
2	19:02:58	105.198%	41727.546	55.808	3059.193	21051.703	114677.350	4885.027	1646.827	17778.501
3	19:04:02	106.291%	41040.429	62.120	2700.761	-23137.921	110579.060	4378.532	1090.704	17162.847
x		105.480%	41494.489	57.933	3026.667	14535.495	114727.390	4920.621	1672.580	17716.096
σ		0.713%	393.274	3.626	310.921	34874.911	4173.581	560.733	595.171	524.837
%RSD		0.676	0.948	6.259	10.273	239.929	3.638	11.396	35.584	2.962
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
1	19:01:55	4133.583	974031.090	T 495671.890	17661.046	105.309%	129.145	1873.531	1435.863	7281.499
2	19:02:58	4221.078	1015107.400	438269.780	16410.745	106.065%	128.224	1246.424	1415.633	6143.230
3	19:04:02	3966.674	980118.420	379274.010	14864.576	106.512%	150.219	2018.331	1335.779	5244.347
x		4107.112	989752.300	T 437738.560	16312.122	105.962%	135.863	1712.762	1395.758	6223.026
σ		129.252	22168.094	T 58200.758	1400.841	0.608%	12.442	410.299	52.919	1020.918
%RSD		3.147	2.240	T 13.296	8.588	0.574	9.158	23.955	3.791	16.405
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**

1	19:01:55	9516.159	3626.042	72626.679	6204.717	165.026	83.227	-56.261	-98.001	4.199
2	19:02:58	9111.083	3069.036	71120.318	6205.875	149.774	70.779	-121.411	-145.410	9.111
3	19:04:02	9196.186	2855.547	67410.579	6155.510	176.628	140.413	-156.996	-258.363	-8.247
x		9274.476	3183.541	70385.859	6188.701	163.809	98.140	-111.556	-167.258	1.687
σ		213.585	397.806	2684.492	28.749	13.469	37.135	51.086	82.384	8.947
%RSD		2.303	12.496	3.814	0.465	8.222	37.839	45.794	49.255	530.281

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	19:01:55	-103.428	203.106	132.456	27.308	103.644%	3920.722	8679.026	697.117	-203.559
2	19:02:58	-185.525	91.352	145.487	22.458	104.078%	3772.574	8394.896	690.863	-234.383
3	19:04:02	-243.219	188.308	144.787	24.272	105.796%	3664.812	8004.005	663.381	-182.884
x		-177.391	160.922	140.910	24.680	104.506%	3786.036	8359.309	683.787	-206.942
σ		70.250	60.702	7.330	2.450	1.138%	128.485	338.915	17.947	25.916
%RSD		39.602	37.721	5.202	9.929	1.089	3.394	4.054	2.625	12.523

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	19:01:55	702.607	137.646	412.608	103.471%	8302.632	6318.722	10637.496	23280.666	101.764%
2	19:02:58	680.963	165.765	418.775	103.960%	7333.936	5590.864	10509.483	23197.223	101.355%
3	19:04:02	674.597	90.015	322.986	104.790%	6727.684	5035.121	10452.080	22919.174	101.599%
x		686.056	131.142	384.790	104.073%	7454.751	5648.236	10533.020	23132.355	101.573%
σ		14.683	38.292	53.612	0.667%	794.394	643.721	94.922	189.275	0.206%
%RSD		2.140	29.198	13.933	0.641	10.656	11.397	0.901	0.818	0.202

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	19:01:55	1471.471	1848.807	1902.902	6408.791	7281.227	99.284%	0.000	24773.895	15428.914
2	19:02:58	1349.194	1754.474	1869.191	6362.930	6946.846	100.581%	0.000	23767.861	15284.797
3	19:04:02	1228.967	1592.647	1846.261	6301.472	6456.142	99.544%	0.000	23157.109	15254.720
x		1349.877	1731.976	1872.785	6357.731	6894.738	99.803%	0.000	23899.622	15322.810
σ		121.253	129.553	28.491	53.848	415.003	0.686%	0.000	816.407	93.111
%RSD		8.983	7.480	1.521	0.847	6.019	0.687	0.000	3.416	0.608

200-2079-A-3-C@10 10/30/2010 07:08:29 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	19:09:32	113.467%	45907.621	67.088	29251.181	T 1705571.500	862539.400	100477.650	112562.740	391858.940
2	19:10:36	116.941%	47061.499	56.556	28808.284	T 1646911.600	844890.040	97494.987	111913.060	394744.430
3	19:11:39	119.175%	47226.350	55.204	27526.029	T 1593783.100	820655.930	95383.830	107313.100	392629.170
x		116.527%	46731.823	59.616	28528.498	T 1648755.400	842695.120	97785.490	110596.300	393077.510
σ		2.876%	718.523	6.506	895.962	T 55917.031	21027.830	2559.308	2861.828	1494.079
%RSD		2.468	1.538	10.914	3.141	T 3.391	2.495	2.617	2.588	0.380

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	19:09:32	31414.179	793702.940	T 3002350.800	433613.600	88.905%	1532.084	50872.870	13664.452	237447.920
2	19:10:36	30704.196	762714.800	T 2769479.500	431843.810	88.851%	1346.168	53750.896	13812.972	237951.030
3	19:11:39	30594.574	754695.870	T 2601783.800	431684.610	89.202%	1410.383	54148.703	13733.752	235986.530
x		30904.316	770371.210	T 2791204.700	432380.670	88.986%	1429.545	52924.156	13737.059	237128.490
σ		444.943	20599.834	T 201165.240	1070.708	0.189%	94.428	1787.567	74.315	1020.459
%RSD		1.440	2.674	T 7.207	0.248	0.212	6.605	3.378	0.541	0.430

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
1	19:09:32	145352.580	453284.230	T 2336654.900	6612.057	1132.970	249.111	2261.170	6288.399	1659.072
2	19:10:36	141502.760	451690.040	2323845.400	6720.587	1447.498	247.222	2839.617	6003.989	1635.388
3	19:11:39	142758.780	455056.880	2346157.400	6678.994	1645.999	247.151	2959.101	6058.800	1570.251
x		143204.710	453343.720	T 2335552.600	6670.546	1408.822	247.828	2686.629	6117.063	1621.570
σ		1963.266	1684.210	T 11196.787	54.756	258.692	1.112	373.271	150.891	45.995
%RSD		1.371	0.372	T 0.479	0.821	18.362	0.449	13.894	2.467	2.836

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	19:09:32	4235.621	1748.646	270.691	162.597	83.439%	3473.122	7685.514	623.462	-155.686
2	19:10:36	4499.772	2154.401	275.879	161.367	83.956%	3427.063	7621.181	650.902	-179.206
3	19:11:39	4388.081	922.788	271.666	161.190	82.540%	3350.304	7582.473	649.229	-172.452
x		4374.491	1608.612	272.745	161.718	83.312%	3416.829	7629.722	641.198	-169.115
σ		132.599	627.634	2.757	0.767	0.717%	62.045	52.049	15.382	12.110
%RSD		3.031	39.017	1.011	0.474	0.860	1.816	0.682	2.399	7.161

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	19:09:32	626.553	71.103	358.175	83.361%	23046.254	17663.166	20678.930	41347.266	79.896%
2	19:10:36	658.837	111.860	380.910	81.806%	20528.354	15950.197	20996.732	42235.600	79.768%
3	19:11:39	647.280	110.855	343.948	80.649%	19501.818	15072.018	21487.013	42347.554	78.742%
x		644.223	97.939	361.011	81.939%	21025.476	16228.460	21054.225	41976.807	79.469%
σ		16.358	23.247	18.643	1.361%	1823.761	1317.796	407.098	548.065	0.633%
%RSD		2.539	23.736	5.164	1.661	8.674	8.120	1.934	1.306	0.796

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	19:09:32	1168.948	1490.193	1819.348	6275.486	38189.898	72.442%	0.000	25376.879	17240.003
2	19:10:36	1074.783	1468.778	1822.426	6293.136	39308.551	69.093%	0.000	23216.666	17133.724
3	19:11:39	1072.469	1429.605	1819.889	6265.164	39677.138	68.707%	0.000	22201.793	17061.873
x		1105.400	1462.858	1820.554	6277.928	39058.529	70.080%	0.000	23598.446	17145.200
σ		55.047	30.725	1.643	14.145	774.502	2.054%	0.000	1621.607	89.618
%RSD		4.980	2.100	0.090	0.225	1.983	2.931	0.000	6.872	0.523

200-2081-A-4-C@10 10/30/2010 07:16:05 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	19:17:08	126.893%	51891.680	55.986	1870.673	T 2149810.700	716300.500	82282.413	94014.902	498404.320
2	19:18:11	128.850%	51839.382	57.131	1931.715	T 2063143.900	707995.850	80076.612	92079.731	489469.460
3	19:19:15	130.050%	51598.015	49.184	1698.293	T 1990444.200	692818.780	79039.140	90276.731	482259.950
x		128.598%	51776.359	54.100	1833.560	T 2067799.600	705705.040	80466.055	92123.788	490044.570
σ		1.593%	156.648	4.296	121.056	T 79785.238	11907.298	1656.338	1869.475	8087.534
%RSD		1.239	0.303	7.941	6.602	T 3.858	1.687	2.058	2.029	1.650

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	19:17:08	52274.421	763540.220	T 1642249.100	268480.780	86.667%	999.276	43166.480	38851.483	213178.050
2	19:18:11	51791.556	743440.050	T 1535228.800	269222.820	86.089%	1110.531	40468.362	39062.508	221845.140
3	19:19:15	50139.469	743646.640	T 1474691.700	265664.770	86.505%	1213.871	44676.946	39250.160	219571.660
x		51401.815	750208.970	T 1550723.200	267789.460	86.420%	1107.893	42770.596	39054.717	218198.280
σ		1119.566	11545.665	T 84846.500	1877.067	0.298%	107.322	2132.038	199.452	4493.798
%RSD		2.178	1.539	T 5.471	0.701	0.345	9.687	4.985	0.511	2.060

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	19:17:08	117953.540	44315.523	1803072.700	7091.318	4490.099	654.362	14390.582	103034.410	15964.304
2	19:18:11	119622.490	44428.260	1845569.700	7143.868	4809.637	600.626	14147.118	102216.870	15806.808
3	19:19:15	118107.790	43961.609	1818390.500	7075.163	4910.430	730.213	14657.834	101089.940	15496.508
x		118561.270	44235.131	1822344.300	7103.450	4736.722	661.734	14398.511	102113.740	15755.874
σ		922.270	243.491	21522.620	35.924	219.447	65.107	255.450	976.331	238.021
%RSD		0.778	0.550	1.181	0.506	4.633	9.839	1.774	0.956	1.511

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	19:17:08	71763.480	584.051	-90.166	121.987	100.948%	4982.794	10032.225	2643.709	-195.167
2	19:18:11	72765.202	1505.512	-85.792	139.795	101.145%	4816.674	10030.107	2750.953	-261.458
3	19:19:15	70944.181	1423.451	-53.606	160.189	100.539%	4762.212	10056.854	2684.206	-249.862
x		71824.288	1171.005	-76.521	140.657	100.877%	4853.894	10039.729	2692.956	-235.496
σ		912.032	509.970	19.966	19.116	0.309%	114.905	14.868	54.155	35.404
%RSD		1.270	43.550	26.092	13.590	0.306	2.367	0.148	2.011	15.034

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	19:17:08	2714.911	7015.757	16944.123	82.193%	19179.002	14944.316	17640.336	35645.061	77.969%
2	19:18:11	2666.183	6962.827	17034.827	82.001%	19906.734	15354.146	17326.235	34931.441	77.469%
3	19:19:15	2912.971	7064.589	17583.863	79.738%	20259.053	15565.600	17566.524	35583.383	78.352%
x		2764.688	7014.391	17187.605	81.311%	19781.597	15288.021	17511.031	35386.629	77.930%
σ		130.707	50.895	346.154	1.365%	550.792	315.876	164.239	395.408	0.443%
%RSD		4.728	0.726	2.014	1.679	2.784	2.066	0.938	1.117	0.568

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	19:17:08	1032.238	1428.432	1860.841	6311.843	450943.880	70.482%	0.000	21090.469	15508.840
2	19:18:11	1004.862	1360.376	1849.176	6294.133	446791.550	70.719%	0.000	20961.972	15472.838
3	19:19:15	973.344	1374.167	1843.948	6326.389	449281.850	70.375%	0.000	20890.511	15532.511
x		1003.482	1387.658	1851.322	6310.788	449005.760	70.525%	0.000	20980.984	15504.730
σ		29.471	35.978	8.648	16.154	2089.890	0.176%	0.000	101.326	30.048
%RSD		2.937	2.593	0.467	0.256	0.465	0.249	0.000	0.483	0.194

CCV 10/30/2010 07:23:40 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	19:24:43	121.712%	47145.934	3411.722	61697.541	T 11618407.000	T 7906446.200	1051698.500	1239659.200	98910
2	19:25:47	120.986%	46767.990	3440.282	62716.261	T 11634742.000	T 7968139.900	1060267.100	1257810.100	98970
3	19:26:50	120.039%	46755.928	3389.685	63305.232	T 11705834.000	T 8040377.600	1070169.300	1260262.900	98497
x		120.912%	46889.951	86.895%	83.610%	T 78.514%	T 7971654.600	79.936%	79.825%	98.
σ		0.839%	221.770	n/a	n/a	T n/a	T 67034.832	n/a	n/a	
%RSD		0.694	0.473	0.743	1.300	T 0.399	T 0.841	0.871	0.899	
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**5**
1	19:24:43	6321.381	1027896.100	T 10377616.000	521960.280	91.781%	193.941	85076.113	77782.286	3064
2	19:25:47	6329.670	1032565.700	T 10545264.000	521972.850	91.819%	246.139	83807.339	77760.910	2588
3	19:26:50	6114.947	1031682.200	T 10610772.000	524218.820	92.294%	221.034	85143.014	78556.687	2128
x		6255.333	1030714.700	T 76.164%	96.576%	91.965%	220.371	98.479%	97.154%	2593
σ		121.648	2480.579	T n/a	n/a	0.286%	26.105	n/a	n/a	467
%RSD		1.945	0.241	T 1.144	0.249	0.311	11.846	0.889	0.581	1
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	
1	19:24:43	306328.270	121483.920	T 5556145.900	221829.840	18345.585	2850.405	23188.030	23135.086	413
2	19:25:47	312205.760	122666.860	T 5606099.800	223194.350	18658.354	2866.520	23385.485	22770.135	405
3	19:26:50	309109.970	122400.320	T 5630268.000	223187.410	18529.890	2674.432	23151.374	23163.078	410
x		309214.670	96.376%	T 102.154%	95.281%	102.086%	102.549%	101.761%	97.904%	99.
σ		2940.146	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	
%RSD		0.951	0.508	T 0.675	0.353	0.849	3.809	0.542	0.952	
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108**
1	19:24:43	17977.354	8893.539	1483.819	695.246	93.311%	153672.220	256354.090	52208.560	-9
2	19:25:47	18231.598	9088.690	1508.361	708.620	93.391%	155349.420	263013.720	51678.710	-20
3	19:26:50	17824.667	9224.760	1582.656	709.099	92.225%	156509.630	264306.310	51617.233	-14
x		98.541%	97.004%	91.612%	99.830%	92.975%	95.910%	261224.710	98.106%	-14
σ		n/a	n/a	n/a	n/a	0.652%	n/a	4267.302	n/a	5
%RSD		1.141	1.836	3.375	1.116	0.701	0.919	1.634	0.627	3
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**1**
1	19:24:43	50579.833	13148.106	32052.080	92.508%	85761.808	67053.952	249201.690	453932.630	96.
2	19:25:47	50439.549	13569.284	31552.319	93.684%	97946.659	76119.788	249734.230	452861.200	95.
3	19:26:50	50337.394	13082.851	32204.258	93.533%	102829.060	80485.066	251399.270	454262.920	95.
x		97.399%	100.010%	98.638%	93.242%	88.855%	89.048%	92.536%	91.633%	95.
σ		n/a	n/a	n/a	0.640%	n/a	n/a	n/a	n/a	0.
%RSD		0.241	1.990	1.068	0.686	9.203	9.190	0.458	0.162	
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	
1	19:24:43	65162.893	77272.641	73131.023	179271.840	238785.390	94.768%	0.000	245555.620	29325
2	19:25:47	66953.913	77764.431	72358.092	179039.440	237540.510	96.493%	0.000	263833.350	28960
3	19:26:50	67656.531	79003.662	73400.842	179531.830	239842.990	96.211%	0.000	274350.410	29197
x		95.732%	95.025%	94.735%	93.459%	95.504%	95.824%	0.000	261246.460	29161
σ		n/a	n/a	n/a	n/a	n/a	0.925%	0.000	14570.656	185
%RSD		1.931	1.143	0.742	0.137	0.483	0.966	0.000	5.577	

CCB 10/30/2010 07:31:17 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	19:32:20	120.265%	46004.107	51.642	1616.829	-275523.630	106222.260	3811.720	466.394	19706.354
2	19:33:24	120.468%	46257.387	54.094	1579.433	-307332.830	104968.880	3573.259	333.681	19630.625
3	19:34:27	120.020%	46603.147	46.689	1438.510	-325542.540	103314.740	3308.734	-129.314	19307.142
x		120.251%	46288.214	50.808	1544.924	-302799.670	104835.290	3564.571	223.587	19548.040
σ		0.224%	300.707	3.773	94.035	25315.705	1458.353	251.605	312.742	212.032
%RSD		0.187	0.650	7.425	6.087	8.361	1.391	7.059	139.875	1.085
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
1	19:32:20	3972.943	1040910.700	-446211.030	14244.178	91.185%	162.309	2644.541	1809.476	15291.783
2	19:33:24	3889.175	1019568.100	-473480.200	13721.204	92.532%	118.879	2081.455	1581.883	12725.323
3	19:34:27	3913.220	1023298.200	-482703.870	13332.144	92.679%	120.848	1636.805	1474.797	11113.703
x		3925.113	1027925.700	-467465.040	13765.842	92.132%	134.012	2120.934	1622.052	13043.603
σ		43.132	11398.977	18975.469	457.653	0.823%	24.526	505.027	170.917	2107.146
%RSD		1.099	1.109	4.059	3.325	0.894	18.301	23.812	10.537	16.155
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**

1	19:32:20	9369.201	2708.108	57486.698	6252.720	557.847	159.798	874.405	-263.247	22.572
2	19:33:24	9372.641	2503.496	50358.721	6147.258	516.774	113.612	829.911	-282.161	-13.799
3	19:34:27	8805.794	2510.412	52095.505	6159.715	481.217	177.634	781.687	-345.304	1.170
x		9182.545	2574.005	53313.642	6186.565	518.613	150.348	828.668	-296.904	3.314
σ		326.280	116.188	3716.841	57.630	38.348	33.040	46.372	42.970	18.280
%RSD		3.553	4.514	6.972	0.932	7.394	21.976	5.596	14.473	551.569

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	19:32:20	-187.433	-16.798	-110.987	8.929	93.995%	3894.023	8534.886	708.362	-203.844
2	19:33:24	-196.448	313.738	-89.231	6.655	94.160%	3839.283	8296.246	671.574	-220.285
3	19:34:27	-285.426	174.703	-95.150	10.345	93.375%	3662.468	8089.374	664.371	-203.925
x		-223.102	157.215	-98.456	8.643	93.843%	3798.591	8306.835	681.436	-209.351
σ		54.162	165.961	11.249	1.861	0.414%	121.022	222.944	23.595	9.469
%RSD		24.277	105.563	11.425	21.536	0.441	3.186	2.684	3.463	4.523

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	19:32:20	663.323	114.868	377.145	94.996%	8218.694	6225.254	10482.993	23099.658	94.675%
2	19:33:24	683.472	154.880	387.833	93.626%	7307.615	5590.044	10404.474	23027.863	95.291%
3	19:34:27	667.749	125.589	363.819	94.693%	6724.368	5020.319	10372.561	22945.868	95.059%
x		671.515	131.779	376.265	94.438%	7416.892	5611.873	10420.009	23024.463	95.008%
σ		10.590	20.712	12.031	0.720%	753.132	602.764	56.831	76.951	0.311%
%RSD		1.577	15.717	3.197	0.762	10.154	10.741	0.545	0.334	0.327

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	19:32:20	1554.677	2011.846	1912.143	6407.268	6305.024	95.973%	0.000	25026.084	15366.124
2	19:33:24	1409.150	1749.844	1860.864	6325.249	6243.077	97.129%	0.000	23934.797	15304.895
3	19:34:27	1215.752	1659.652	1850.237	6277.233	6147.273	97.470%	0.000	23481.332	15248.051
x		1393.193	1807.114	1874.415	6336.583	6231.791	96.858%	0.000	24147.404	15306.357
σ		170.025	182.948	33.103	65.754	79.478	0.785%	0.000	794.019	59.050
%RSD		12.204	10.124	1.766	1.038	1.275	0.810	0.000	3.288	0.386

Experiment Details

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Elemental\PlasmaLab\TEMPLATES\6020.tet
Created By User	user
Analyte Database	Default.tea
Creation Timestamp	08/29/2003 01:55:15 PM
Last Edited By	INORG-USER
Last Edit Timestamp	11/04/2010 08:31:41 AM
Instrument Detector	Simultaneous
Database Version	3.51
Acquisition Mode	Unknown

Numerical Results report key (text indicates meaning)

Blue text indicates that cell is a statistic.
Underlining indicates that a data warning flag is set.

Column headings
- **No flag**
- **Semi Quant**
- **Standard Addition**
- **Multi Element**

Result cells
- Internal Standard
- Excluded
- QC Warning
- QC Failure

Transient TRA only:
- Peak Not Found
- Manually Edited
- Merged Peak

Data warning flags
I - Invalid calibration
T - Tripped
F - Interference correction failed
M - Result over max
V - Valley integration failed
D - Different method used

Setup

Survey Scan Setup

Sweeps	10
Dwell Time	600
Channels Per Mass	10
Acquisition Duration	13247

Main Run Setup

Main Run	Peak Jumping
Sweeps	50
Dwell Time	10000
Channels Per Mass	1
Acquisition Duration	59702
Channel Spacing	0.02

Survey Scan Regions

Start AMU	End AMU	Channels	Dwell ms	Resolution
4.59	11.41	68	600	Standard
22.59	27.41	48	600	Standard
28.59	29.41	8	600	Standard
30.59	31.41	8	600	Standard
32.59	33.41	8	600	Standard
38.59	39.41	8	600	Standard
42.59	79.41	368	600	Standard
80.59	245.50	1649	600	Standard

Peak Jump Regions

Analyte	Channels	Dwell ms	Resolution
6Li	1	5000	Standard
7Li	1	5000	Standard
9Be	1	20000	Standard
11B	1	10000	Standard
23Na	1	5000	Standard

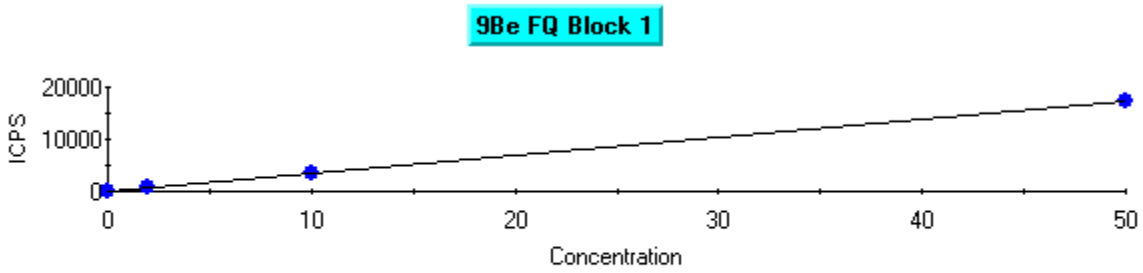
24Mg	1	10000	Standard
25Mg	1	5000	Standard
26Mg	1	5000	Standard
27Al	1	10000	Standard
31P	1	10000	Standard
33S	1	10000	Standard
39K	1	5000	Standard
43Ca	1	10000	Standard
44Ca	1	5000	Standard
45Sc	1	5000	Standard
47Ti	1	10000	Standard
51V	1	10000	Standard
52Cr	1	10000	Standard
53Cl O	1	10000	Standard
54Fe	1	10000	Standard
55Mn	1	10000	Standard
56Fe	1	10000	Standard
59Co	1	10000	Standard
60Ni	1	10000	Standard
62Ni	1	10000	Standard
65Cu	1	10000	Standard
66Zn	1	10000	Standard
67Zn	1	10000	Standard
68Zn	1	10000	Standard
75As	1	50000	Standard
77Ar Cl	1	50000	Standard
78Se	1	100000	Standard
82Se	1	100000	Standard
83Kr	1	100000	Standard
89Y	1	5000	Standard
95Mo	1	10000	Standard
98Mo	1	10000	Standard
106Cd	1	10000	Standard
107Ag	1	10000	Standard
108Mo O	1	10000	Standard
109Ag	1	10000	Standard
111Cd	1	10000	Standard
114Cd	1	10000	Standard
115In	1	5000	Standard
118Sn	1	10000	Standard
121Sb	1	100000	Standard
123Sb	1	100000	Standard
135Ba	1	10000	Standard
137Ba	1	10000	Standard
159Tb	1	5000	Standard
182W	1	10000	Standard
184W	1	10000	Standard
203Tl	1	10000	Standard
205Tl	1	10000	Standard
206Pb	1	10000	Standard
207Pb	1	10000	Standard
208Pb	1	10000	Standard
209Bi	1	5000	Standard
220Bkg	1	10000	Standard
232Th	1	10000	Standard
238U	1	10000	Standard

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	STD0	Fully Quant Standard	1.000	0	1	2	155
2	STD1	Fully Quant Standard	1.000	0	1	3	155
3	STD2	Fully Quant Standard	1.000	0	1	4	155
4	STD3	Fully Quant Standard	1.000	0	1	5	155
5	ICV	QC Sample	1.000	0	1	6	155
6	ICB	QC Sample	1.000	0	1	2	155
7	ICSA	QC Sample	1.000	0	1	7	155
8	ICSAB	QC Sample	1.000	0	1	8	155
9	CCV	QC Sample	1.000	0	1	4	155
10	CCB	QC Sample	1.000	0	1	2	155

11	MB 200-8516/1-A	Unknown	1.000	1	1	1	155
12	LCS 200-8516/2-A	Unknown	1.000	1	1	2	155
13	200-2079-A-1-C	Unknown	1.000	1	1	3	155
14	200-2079-A-2-C	Unknown	1.000	1	1	4	155
15	200-2079-A-3-C	Unknown	1.000	1	1	5	155
16	200-2079-A-4-I	Unknown	1.000	1	1	6	155
17	200-2079-A-4-I	Unknown	1.000	1	1	7	155
18	200-2079-A-4-I	Unknown	1.000	1	1	8	155
19	200-2079-A-4-J DU	Unknown	1.000	1	1	9	155
20	200-2079-A-4-K MS	Unknown	1.000	1	1	10	155
21	CCV	QC Sample	1.000	0	1	4	155
22	CCB	QC Sample	1.000	0	1	2	155
23	200-2079-A-5-C	Unknown	1.000	1	1	11	155
24	200-2079-A-6-C	Unknown	1.000	1	1	12	155
25	200-2079-A-7-C	Unknown	1.000	1	2	1	155
26	200-2079-A-8-C	Unknown	1.000	1	2	2	155
27	200-2079-A-9-C	Unknown	1.000	1	2	3	155
28	200-2079-A-10-C	Unknown	1.000	1	2	4	155
29	200-2079-A-11-C	Unknown	1.000	1	2	5	155
30	200-2079-A-12-I	Unknown	1.000	1	2	6	155
31	200-2079-A-12-I	Unknown	1.000	1	2	7	155
32	200-2079-A-12-I	Unknown	1.000	1	2	8	155
33	CCV	QC Sample	1.000	0	1	4	155
34	CCB	QC Sample	1.000	0	1	2	155
35	200-2079-A-12-J D	Unknown	1.000	1	2	9	155
36	200-2079-A-12-K MS	Unknown	1.000	1	2	10	155
37	200-2079-A-13-C	Unknown	1.000	1	2	11	155
38	200-2079-A-14-C	Unknown	1.000	1	2	12	155
39	200-2079-A-15-C	Unknown	1.000	1	3	1	155
40	200-2081-A-1-C	Unknown	1.000	1	3	2	155
41	200-2081-A-2-C	Unknown	1.000	1	3	3	155
42	200-2081-A-3-C	Unknown	1.000	1	3	4	155
43	200-2081-A-4-C	Unknown	1.000	1	3	5	155
44	200-2081-A-5-C	Unknown	1.000	1	3	6	155
45	CCV	QC Sample	1.000	0	1	4	155
46	CCB	QC Sample	1.000	0	1	2	155
47	200-2081-A-4-C@2	Unknown	1.000	1	3	7	155
48	200-2081-A-5-C@2	Unknown	1.000	1	3	8	155
49	MB 200-8855/1-A	Unknown	1.000	1	3	9	155
50	LCS 200-8855/2-A	Unknown	1.000	1	3	10	155
51	200-2211-F-1-A	Unknown	1.000	1	3	11	155
52	200-2211-F-1-Asd@5	Unknown	1.000	1	3	12	155
53	CCV	QC Sample	1.000	0	1	4	155
54	CCB	QC Sample	1.000	0	1	2	155

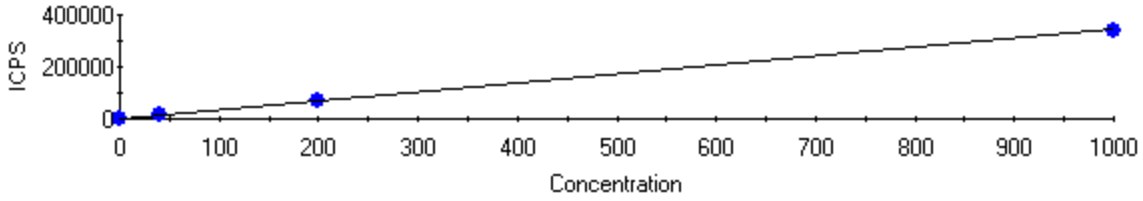
Fully Quant Calibration



Intercept CPS=57.622356 Intercept Conc=0.166355
Sensitivity=346.381642 Correlation Coeff=0.999956

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.142	0.142	8.33	0.00
STD1	2.000	1.879	0.121	708.32	6.07
STD2	10.000	10.324	0.324	3633.52	3.24
STD3	50.000	49.940	0.060	17355.97	0.12

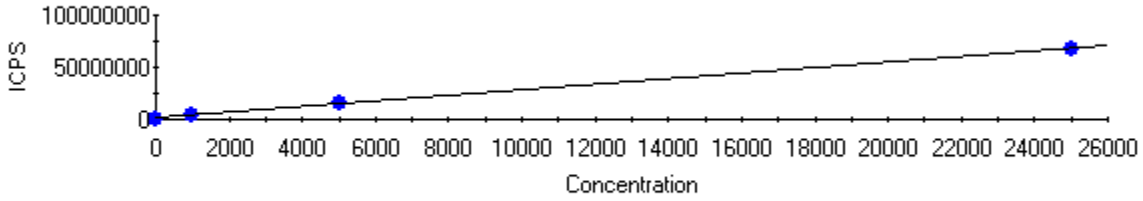
11B FQ Block 1



Intercept CPS=830.016590 Intercept Conc=2.430592
Sensitivity=341.487460 Correlation Coeff=0.999996

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.497	0.497	660.18	0.00
STD1	40.000	39.008	0.992	14150.61	2.48
STD2	200.000	201.813	1.813	69746.50	0.91
STD3	1000.000	999.677	0.323	342207.24	0.03

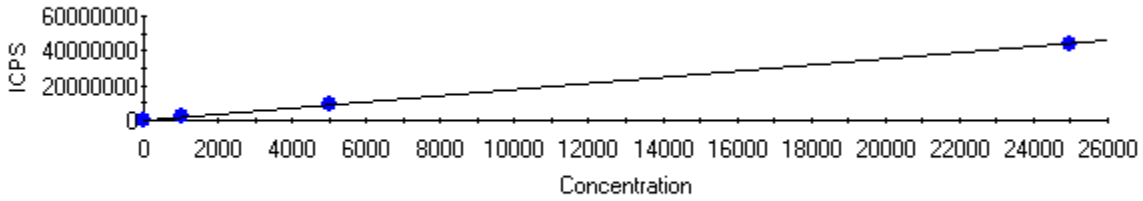
23Na FQ Block 1



Intercept CPS=1181353.860427 Intercept Conc=443.680919
Sensitivity=2662.620386 Correlation Coeff=0.999945

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-107.869	107.869	894139.94	0.00
STD1	1000.000	964.740	35.260	3750091.33	3.53
STD2	5000.000	5177.148	177.148	14966132.69	3.54
STD3	25000.000	24965.981	34.019	67656283.44	0.14

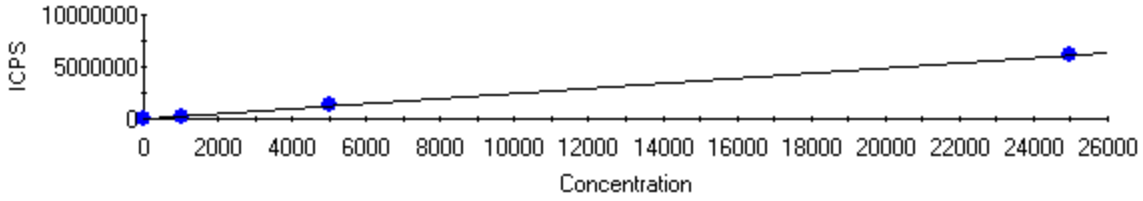
24Mg FQ Block 1



Intercept CPS=147115.069372 Intercept Conc=83.845382
Sensitivity=1754.599548 Correlation Coeff=0.999957

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-82.640	82.640	2115.45	0.00
STD1	1000.000	953.355	46.645	1819871.89	4.66
STD2	5000.000	5159.273	159.273	9199573.60	3.19
STD3	25000.000	24970.011	29.989	43959485.33	0.12

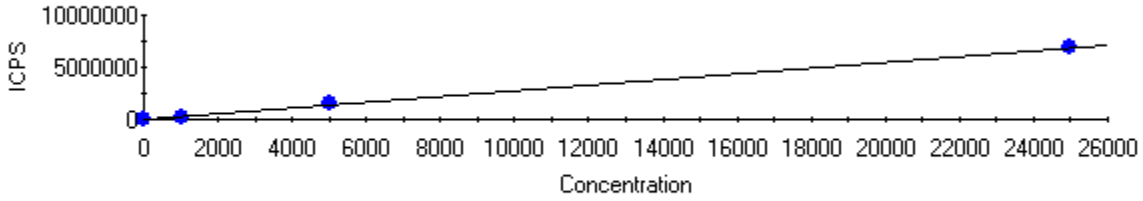
25Mg FQ Block 1



Intercept CPS=34372.048692 Intercept Conc=141.550740
Sensitivity=242.824930 Correlation Coeff=0.999839

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-140.458	140.458	265.31	0.00
STD1	1000.000	887.142	112.858	249792.30	11.29
STD2	5000.000	5311.002	311.002	1324015.74	6.22
STD3	25000.000	24942.314	57.686	6090987.69	0.23

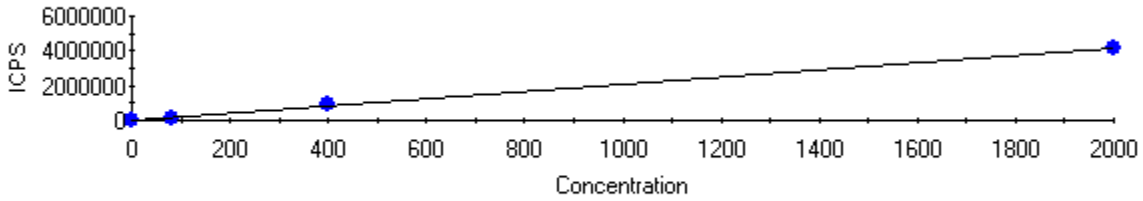
26Mg FQ Block 1



Intercept CPS=43580.149714 Intercept Conc=159.053456
Sensitivity=273.996874 Correlation Coeff=0.999799

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-157.935	157.935	306.54	0.00
STD1	1000.000	875.367	124.633	283427.86	12.46
STD2	5000.000	5346.978	346.978	1508635.53	6.94
STD3	25000.000	24935.590	64.410	6875853.77	0.26

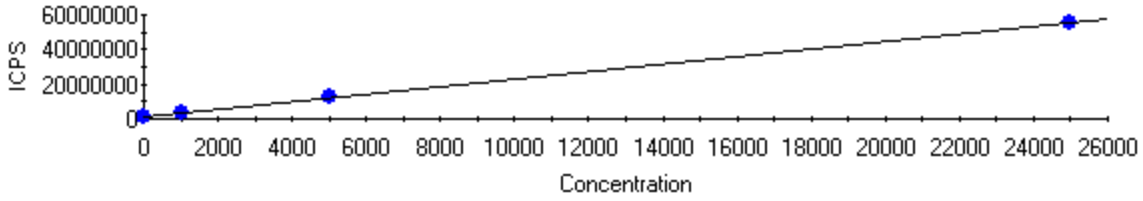
27Al FQ Block 1



Intercept CPS=19637.043186 Intercept Conc=9.479862
Sensitivity=2071.448207 Correlation Coeff=0.999892

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-8.234	8.234	2580.51	0.00
STD1	80.000	71.557	8.443	167864.46	10.55
STD2	400.000	420.424	20.424	890523.12	5.11
STD3	2000.000	1996.253	3.747	4154771.64	0.19

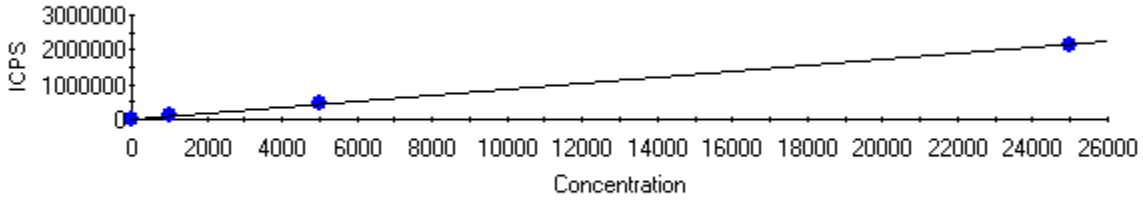
39K FQ Block 1



Intercept CPS=867334.616642 Intercept Conc=394.934816
Sensitivity=2196.146256 Correlation Coeff=0.999947

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-93.887	93.887	661145.16	0.00
STD1	1000.000	950.413	49.587	2954580.31	4.96
STD2	5000.000	5176.863	176.863	12236483.39	3.54
STD3	25000.000	24966.611	33.389	55697663.54	0.13

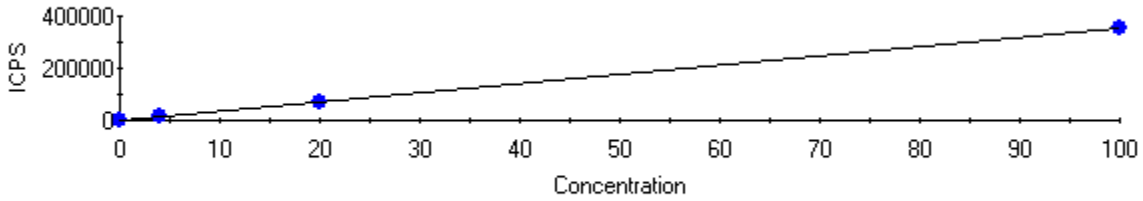
44Ca FQ Block 1



Intercept CPS=8751.781671 Intercept Conc=101.695105
Sensitivity=86.059026 Correlation Coeff=0.999932

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-81.143	81.143	1768.73	0.00
STD1	1000.000	915.626	84.374	87549.67	8.44
STD2	5000.000	5202.677	202.677	456489.09	4.05
STD3	25000.000	24962.840	37.160	2157029.44	0.15

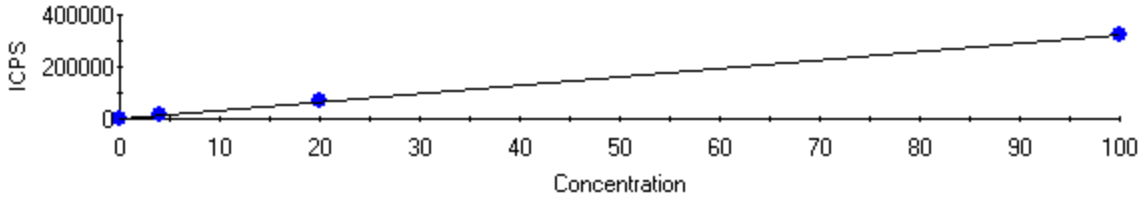
51V FQ Block 1



Intercept CPS=350.144724 Intercept Conc=0.098096
Sensitivity=3569.399321 Correlation Coeff=1.000000

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.013	0.013	397.18	0.00
STD1	4.000	3.955	0.045	14466.97	1.13
STD2	20.000	20.038	0.038	71872.26	0.19
STD3	100.000	99.994	0.006	357269.68	0.01

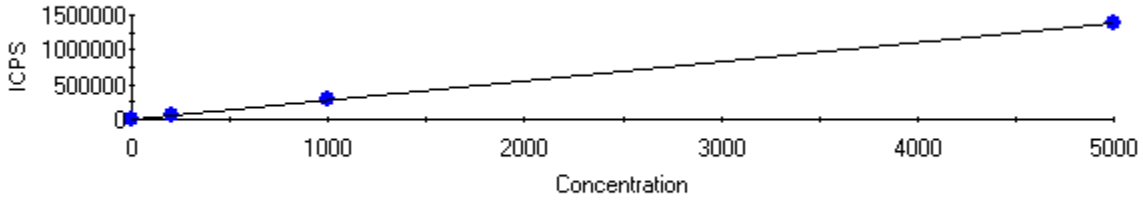
52Cr FQ Block 1



Intercept CPS=1349.248412 Intercept Conc=0.424239
Sensitivity=3180.398212 Correlation Coeff=0.999993

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.050	0.050	1190.23	0.00
STD1	4.000	3.837	0.163	13553.54	4.07
STD2	20.000	20.258	0.258	65776.75	1.29
STD3	100.000	99.955	0.045	319245.85	0.05

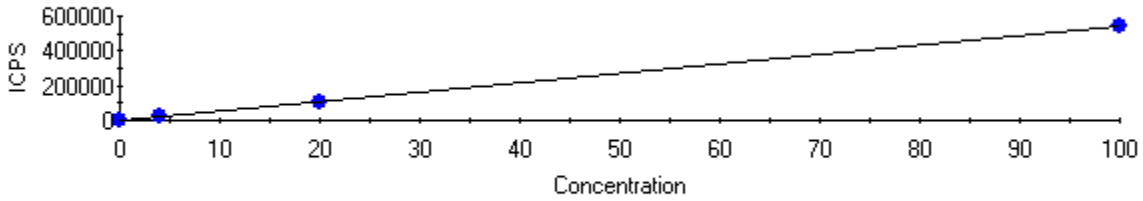
54Fe FQ Block 1



Intercept CPS=3543.822588 Intercept Conc=12.777228
Sensitivity=277.354570 Correlation Coeff=0.999975

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	17.844	17.844	8493.07	0.00
STD1	200.000	199.808	0.192	58961.50	0.10
STD2	1000.000	977.925	22.075	274775.73	2.21
STD3	5000.000	5004.423	4.423	1391543.34	0.09

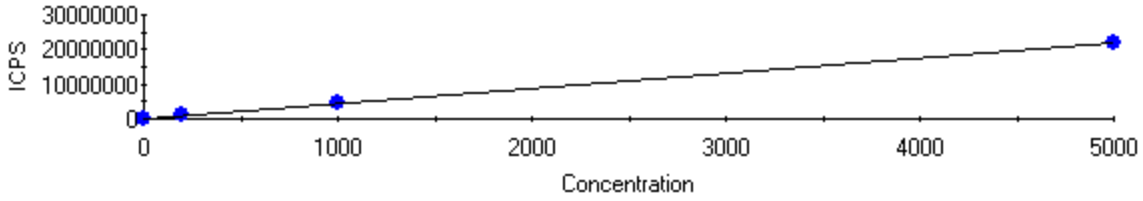
55Mn FQ Block 1



Intercept CPS=294.683036 Intercept Conc=0.054407
Sensitivity=5416.310813 Correlation Coeff=0.999999

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.053	0.053	580.14	0.00
STD1	4.000	3.897	0.103	21403.25	2.57
STD2	20.000	20.057	0.057	108932.09	0.29
STD3	100.000	99.993	0.007	541885.79	0.01

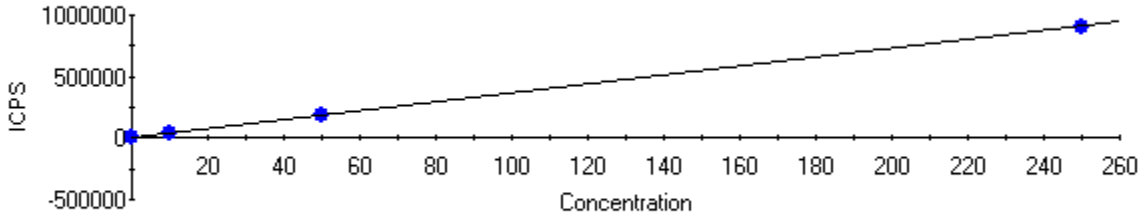
56Fe FQ Block 1



Intercept CPS=253163.398885 Intercept Conc=58.479448
Sensitivity=4329.100377 Correlation Coeff=0.999957

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-20.146	20.146	165950.02	0.00
STD1	200.000	195.258	4.742	1098455.87	2.37
STD2	1000.000	1030.872	30.872	4715913.63	3.09
STD3	5000.000	4994.015	5.985	21872756.42	0.12

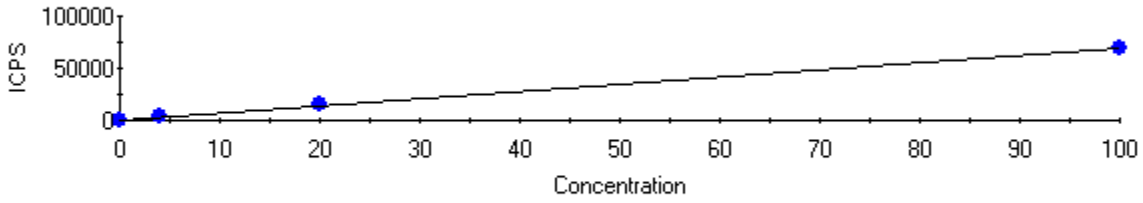
59Co FQ Block 1



Intercept CPS=-1690.184185 Intercept Conc=-0.463641
Sensitivity=3645.461614 Correlation Coeff=0.999995

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.470	0.470	22.64	0.00
STD1	10.000	9.846	0.154	34203.61	1.54
STD2	50.000	49.597	0.403	179114.85	0.81
STD3	250.000	250.087	0.087	909991.26	0.03

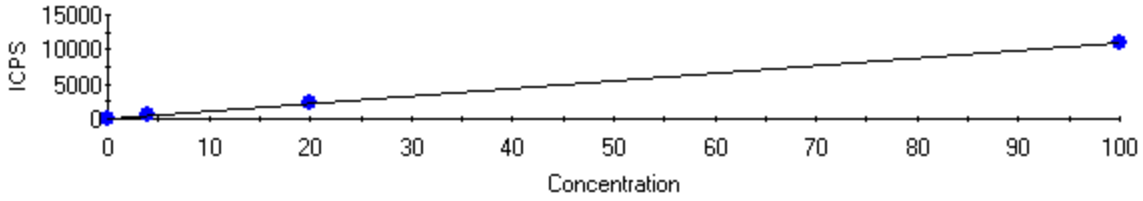
60Ni FQ Block 1



Intercept CPS=364.162489 Intercept Conc=0.523147
Sensitivity=696.099424 Correlation Coeff=0.999971

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.218	0.218	212.08	0.00
STD1	4.000	3.788	0.212	3001.02	5.30
STD2	20.000	20.527	0.527	14653.30	2.64
STD3	100.000	99.903	0.097	69906.58	0.10

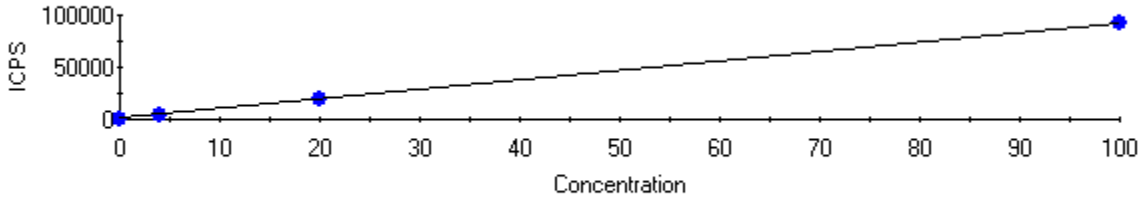
62Ni FQ Block 1



Intercept CPS=132.455432 Intercept Conc=1.228691
Sensitivity=107.802099 Correlation Coeff=0.999999

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.075	0.075	140.58	0.00
STD1	4.000	3.926	0.074	555.65	1.86
STD2	20.000	19.995	0.005	2287.96	0.02
STD3	100.000	100.004	0.004	10913.09	0.00

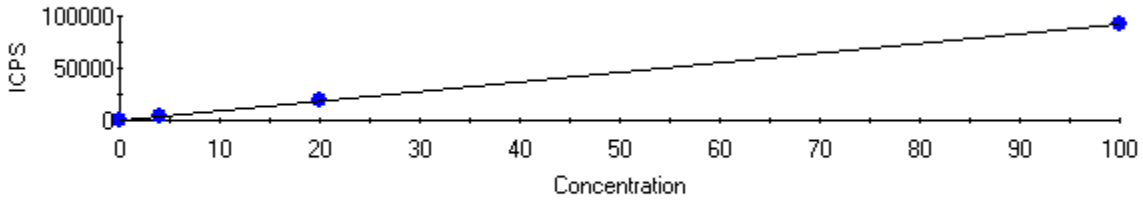
65Cu FQ Block 1



Intercept CPS=1031.513897 Intercept Conc=1.132357
Sensitivity=910.944377 Correlation Coeff=0.999944

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.436	0.436	634.62	0.00
STD1	4.000	3.862	0.138	4549.33	3.46
STD2	20.000	20.711	0.711	19897.66	3.55
STD3	100.000	99.863	0.137	92001.54	0.14

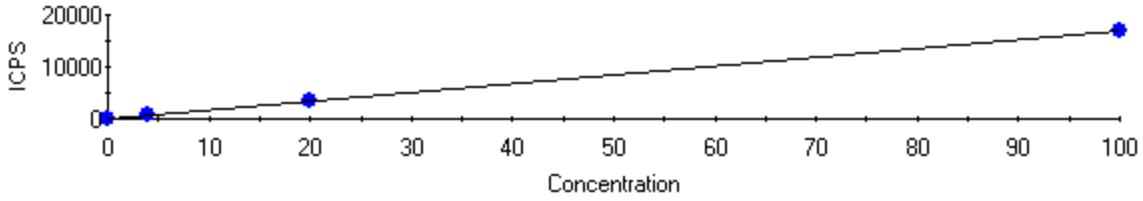
66Zn FQ Block 1



Intercept CPS=504.009534 Intercept Conc=0.547099
Sensitivity=921.240492 Correlation Coeff=0.999987

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.108	0.108	404.93	0.00
STD1	4.000	3.824	0.176	4026.89	4.40
STD2	20.000	20.346	0.346	19247.16	1.73
STD3	100.000	99.938	0.062	92570.87	0.06

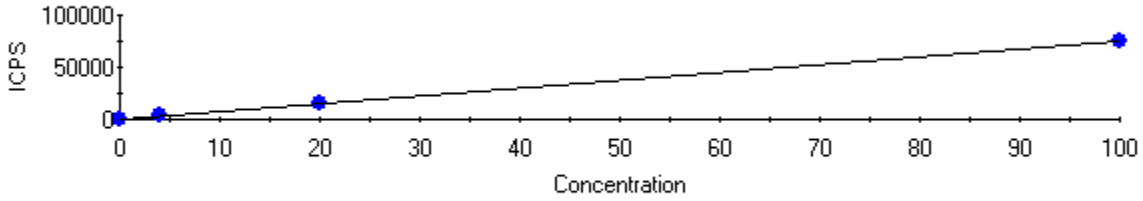
67Zn FQ Block 1



Intercept CPS=103.571677 Intercept Conc=0.616931
Sensitivity=167.882013 Correlation Coeff=0.999976

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.259	0.259	60.06	0.00
STD1	4.000	3.872	0.128	753.64	3.20
STD2	20.000	20.477	0.477	3541.35	2.39
STD3	100.000	99.910	0.090	16876.60	0.09

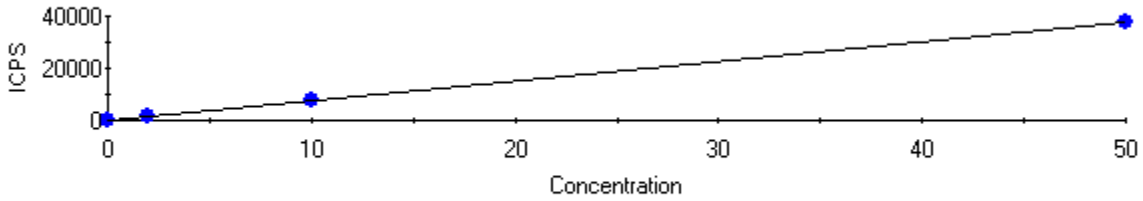
68Zn FQ Block 1



Intercept CPS=407.363729 Intercept Conc=0.547704
Sensitivity=743.766044 Correlation Coeff=0.999986

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.115	0.115	321.77	0.00
STD1	4.000	3.813	0.187	3243.47	4.67
STD2	20.000	20.368	0.368	15556.42	1.84
STD3	100.000	99.934	0.066	74734.78	0.07

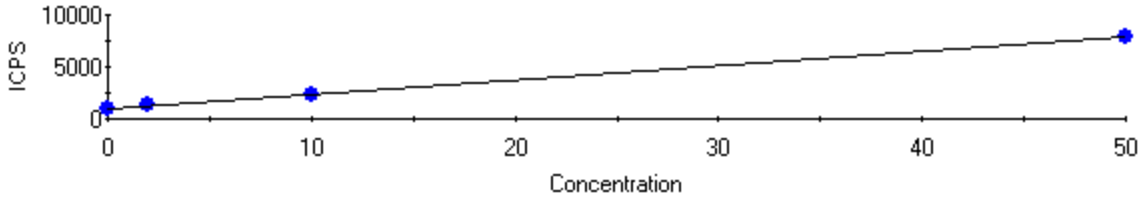
75As FQ Block 1



Intercept CPS=279.083727 Intercept Conc=0.374494
Sensitivity=745.228082 Correlation Coeff=0.999963

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.124	0.124	186.68	0.00
STD1	2.000	1.882	0.118	1681.50	5.91
STD2	10.000	10.297	0.297	7952.52	2.97
STD3	50.000	49.945	0.055	37499.78	0.11

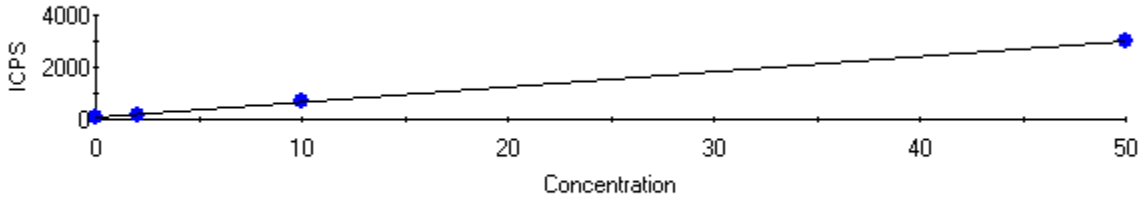
78Se FQ Block 1



Intercept CPS=1006.404345 Intercept Conc=7.315493
Sensitivity=137.571642 Correlation Coeff=0.999998

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.009	0.009	1007.68	0.00
STD1	2.000	1.945	0.055	1274.02	2.73
STD2	10.000	10.054	0.054	2389.56	0.54
STD3	50.000	49.991	0.009	7883.80	0.02

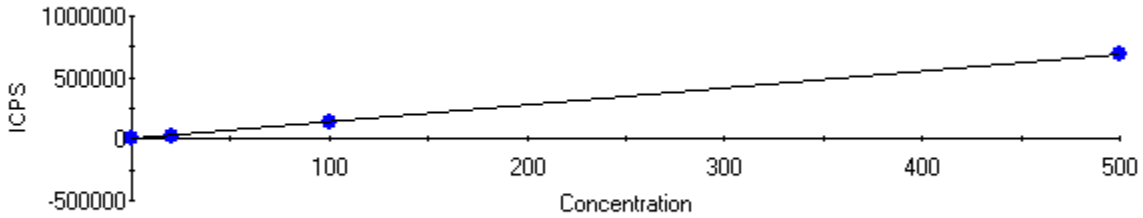
82Se FQ Block 1



Intercept CPS=80.477590 Intercept Conc=1.375236
Sensitivity=58.519128 Correlation Coeff=0.999974

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.100	0.100	74.65	0.00
STD1	2.000	1.895	0.105	191.35	5.27
STD2	10.000	10.251	0.251	680.35	2.51
STD3	50.000	49.954	0.046	3003.74	0.09

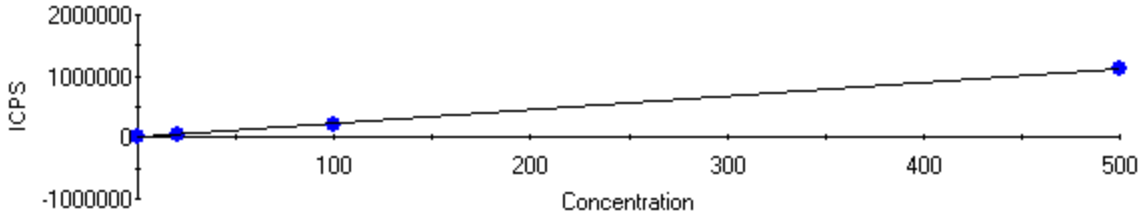
95Mo FQ Block 1



Intercept CPS=-1035.427054 Intercept Conc=-0.750847
Sensitivity=1379.012864 Correlation Coeff=0.999997

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.789	0.789	51.96	0.00
STD1	20.000	19.507	0.493	25865.30	2.46
STD2	100.000	99.606	0.394	136322.07	0.39
STD3	500.000	500.099	0.099	688606.95	0.02

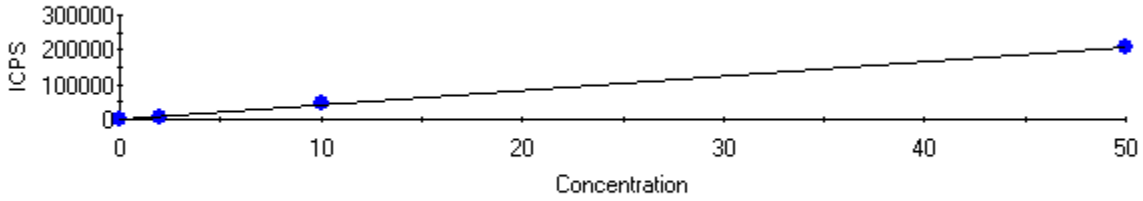
98Mo FQ Block 1



Intercept CPS=-3734.128197 Intercept Conc=-1.640413
Sensitivity=2276.334770 Correlation Coeff=0.999979

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	1.665	1.665	56.82	0.00
STD1	20.000	19.934	0.066	41643.40	0.33
STD2	100.000	97.997	2.003	219339.66	2.00
STD3	500.000	500.403	0.403	1135351.16	0.08

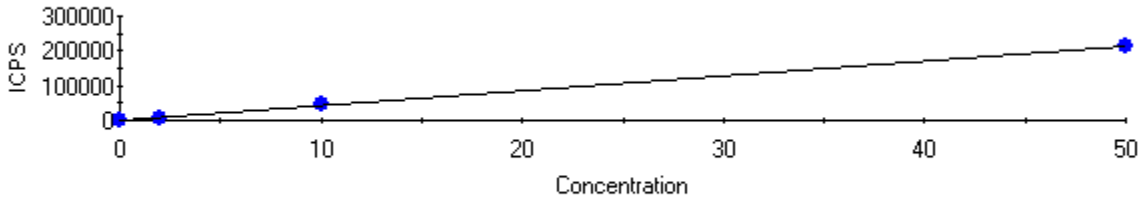
107Ag FQ Block 1



Intercept CPS=417.107865 Intercept Conc=0.099548
Sensitivity=4190.031690 Correlation Coeff=0.999978

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.097	0.097	12.68	0.00
STD1	2.000	1.907	0.093	8407.61	4.65
STD2	10.000	10.232	0.232	43290.43	2.32
STD3	50.000	49.957	0.043	209739.67	0.09

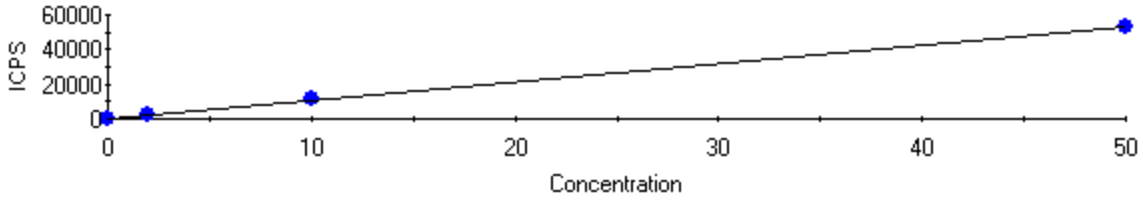
109Ag FQ Block 1



Intercept CPS=378.082733 Intercept Conc=0.089609
Sensitivity=4219.255169 Correlation Coeff=0.999980

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.086	0.086	15.95	0.00
STD1	2.000	1.907	0.093	8422.24	4.67
STD2	10.000	10.219	0.219	43496.52	2.19
STD3	50.000	49.960	0.040	211171.44	0.08

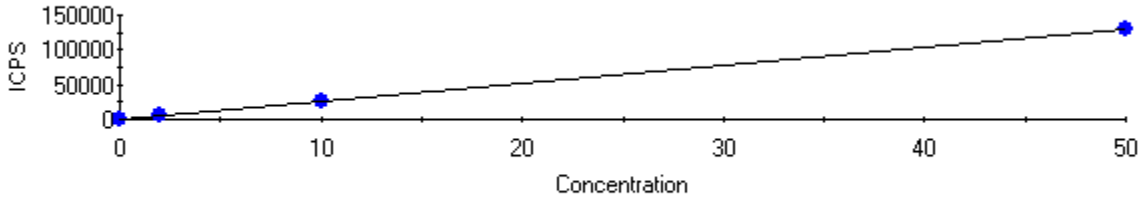
111Cd FQ Block 1



Intercept CPS=237.944688 Intercept Conc=0.225151
Sensitivity=1056.823708 Correlation Coeff=0.999978

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.091	0.091	141.98	0.00
STD1	2.000	1.903	0.097	2249.23	4.84
STD2	10.000	10.230	0.230	11048.98	2.30
STD3	50.000	49.958	0.042	53034.67	0.08

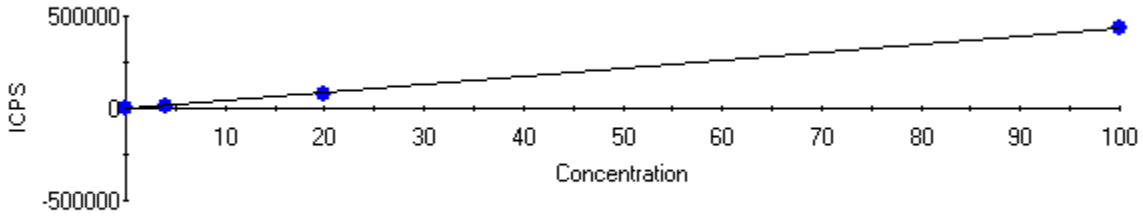
114Cd FQ Block 1



Intercept CPS=455.145369 Intercept Conc=0.174031
Sensitivity=2615.318432 Correlation Coeff=0.999969

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	-0.086	0.086	230.07	0.00
STD1	2.000	1.864	0.136	5329.04	6.82
STD2	10.000	10.271	0.271	27317.75	2.71
STD3	50.000	49.951	0.049	131093.45	0.10

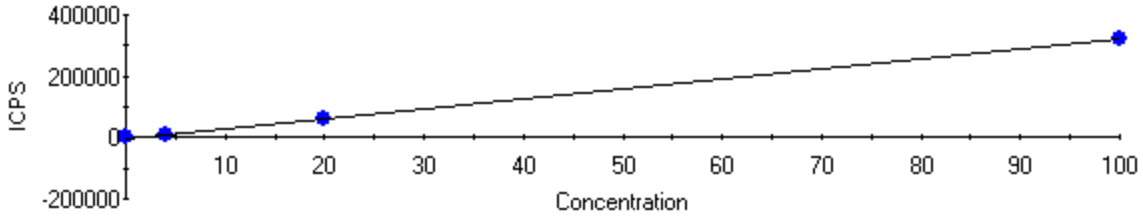
121Sb FQ Block 1



Intercept CPS=-3481.102351 Intercept Conc=-0.803360
Sensitivity=4333.181155 Correlation Coeff=0.999898

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.821	0.821	76.05	0.00
STD1	4.000	3.790	0.210	12940.67	5.26
STD2	20.000	19.226	0.774	79829.23	3.87
STD3	100.000	100.163	0.163	430544.11	0.16

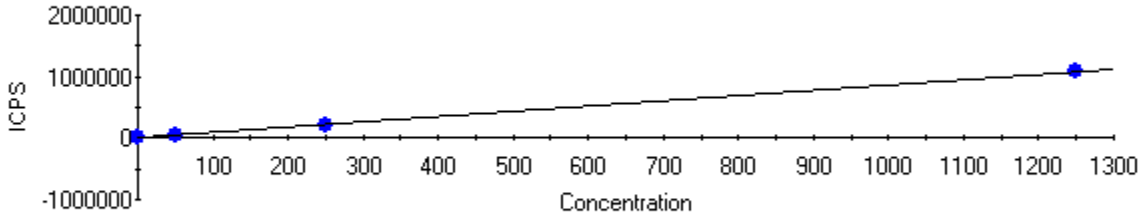
123Sb FQ Block 1



Intercept CPS=-2576.474605 Intercept Conc=-0.789745
Sensitivity=3262.413801 Correlation Coeff=0.999904

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.808	0.808	59.76	0.00
STD1	4.000	3.767	0.233	9712.10	5.83
STD2	20.000	19.270	0.730	60289.80	3.65
STD3	100.000	100.155	0.155	324171.75	0.16

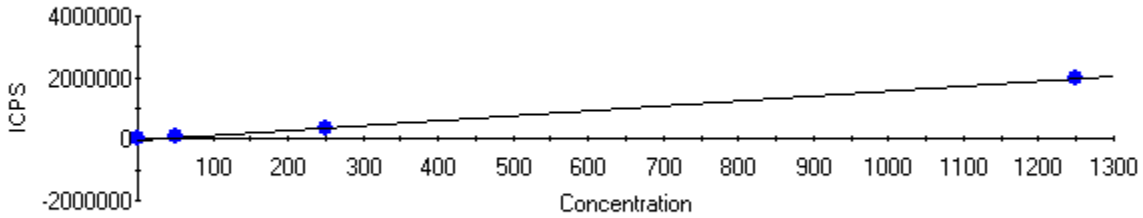
135Ba FQ Block 1



Intercept CPS=-4929.723307 Intercept Conc=-5.653952
Sensitivity=871.907502 Correlation Coeff=0.999952

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	5.666	5.666	10.63	0.00
STD1	50.000	50.772	0.772	39338.78	1.54
STD2	250.000	241.991	8.009	206063.97	3.20
STD3	1250.000	1251.571	1.571	1086324.37	0.13

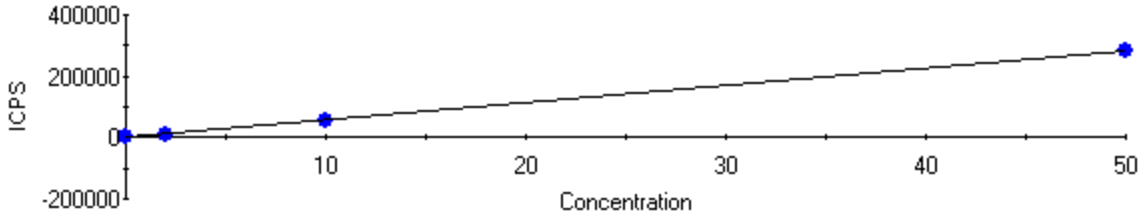
137Ba FQ Block 1



Intercept CPS=-14991.330063 Intercept Conc=-9.541383
Sensitivity=1571.190514 Correlation Coeff=0.999847

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	9.558	9.558	26.71	0.00
STD1	50.000	52.120	2.120	66899.12	4.24
STD2	250.000	235.508	14.492	355036.65	5.80
STD3	1250.000	1252.814	2.814	1953417.51	0.23

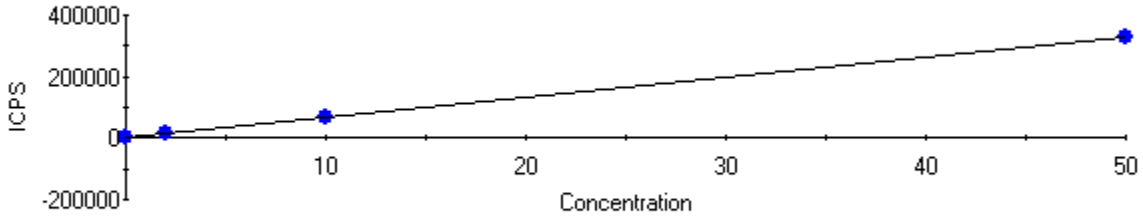
182W FQ Block 1



Intercept CPS=-104.342791 Intercept Conc=-0.018608
Sensitivity=5607.493705 Correlation Coeff=0.999998

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.063	0.063	246.81	0.00
STD1	2.000	1.943	0.057	10788.53	2.87
STD2	10.000	9.991	0.009	55918.19	0.09
STD3	50.000	50.004	0.004	280293.71	0.01

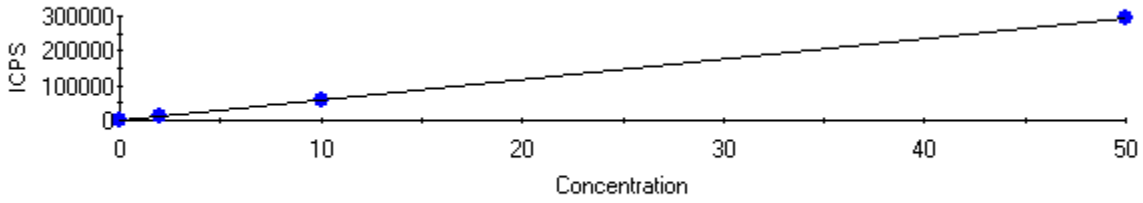
184W FQ Block 1



Intercept CPS=-86.721559 Intercept Conc=-0.013213
Sensitivity=6563.311275 Correlation Coeff=0.999998

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.055	0.055	272.78	0.00
STD1	2.000	1.948	0.052	12698.65	2.60
STD2	10.000	9.994	0.006	65506.51	0.06
STD3	50.000	50.003	0.003	328100.47	0.01

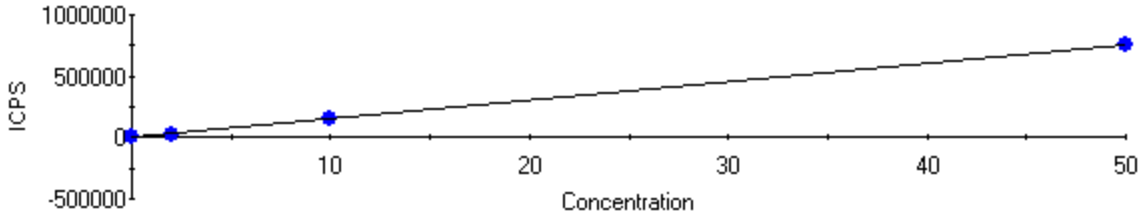
203Tl FQ Block 1



Intercept CPS=33.382035 Intercept Conc=0.005686
Sensitivity=5871.254742 Correlation Coeff=0.999995

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.005	0.005	62.68	0.00
STD1	2.000	1.912	0.088	11259.27	4.40
STD2	10.000	10.099	0.099	59329.25	0.99
STD3	50.000	49.984	0.016	293500.12	0.03

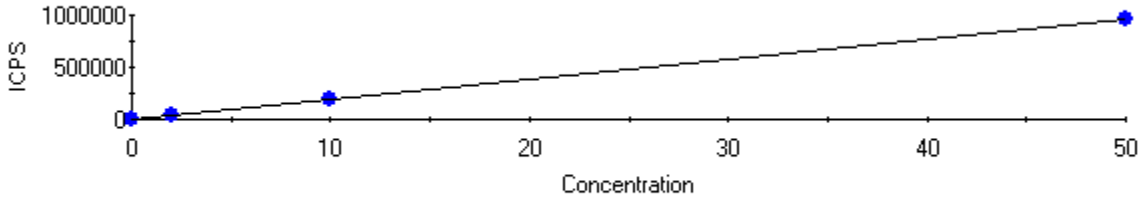
205Tl FQ Block 1



Intercept CPS=-1747.605366 Intercept Conc=-0.115885
Sensitivity=15080.514567 Correlation Coeff=0.999991

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.127	0.127	174.62	0.00
STD1	2.000	1.959	0.041	27800.99	2.03
STD2	10.000	9.889	0.111	147389.67	1.11
STD3	50.000	50.024	0.024	752636.19	0.05

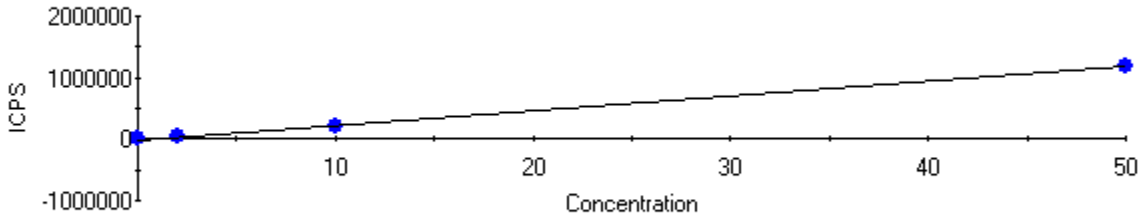
208Pb FQ Block 1



Intercept CPS=876.788653 Intercept Conc=0.045325
Sensitivity=19344.457562 Correlation Coeff=0.999996

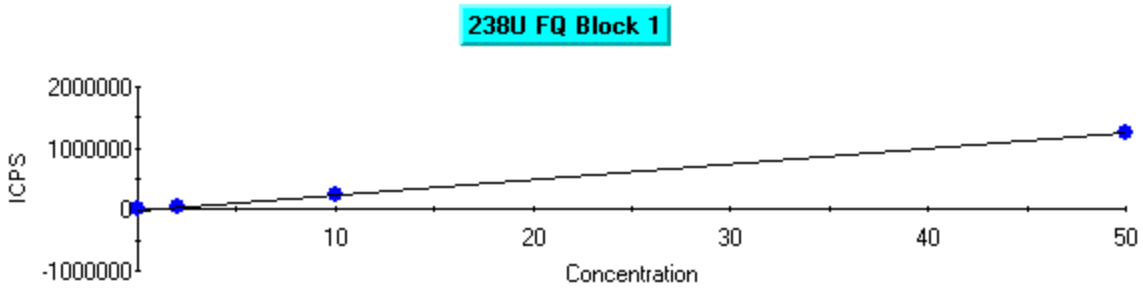
Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.007	0.007	1016.69	0.00
STD1	2.000	1.927	0.073	38160.05	3.63
STD2	10.000	10.078	0.078	195833.28	0.78
STD3	50.000	49.987	0.013	967853.51	0.03

232Th FQ Block 1



Intercept CPS=-14201.529592 Intercept Conc=-0.590119
Sensitivity=24065.529928 Correlation Coeff=0.999703

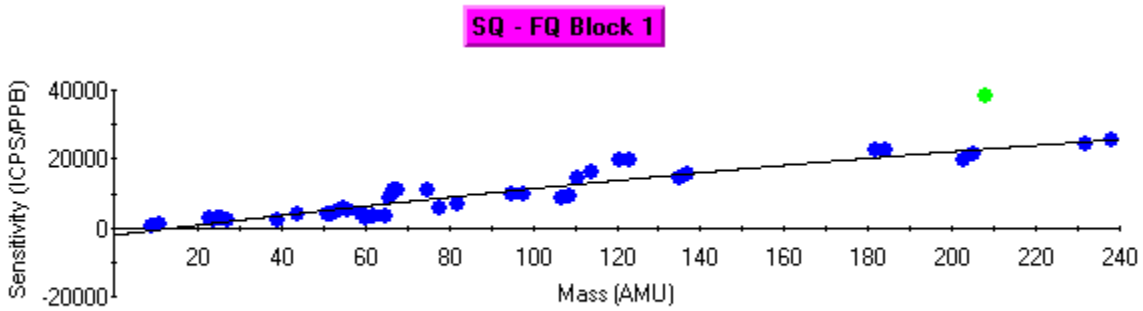
Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.605	0.605	349.28	0.00
STD1	2.000	2.008	0.008	34127.64	0.41
STD2	10.000	9.234	0.766	208027.52	7.66
STD3	50.000	50.153	0.153	1192752.29	0.31



Intercept CPS=-6562.101365 Intercept Conc=-0.259603
Sensitivity=25277.435913 Correlation Coeff=0.999948

Label	Defined	Measured	Error	Mean CPS	% Error
STD0	0.000	0.260	0.260	2.67	0.00
STD1	2.000	1.992	0.008	43788.72	0.40
STD2	10.000	9.685	0.315	238251.16	3.15
STD3	50.000	50.063	0.063	1258910.08	0.13

Semi Quant Calibration



Coeff 0=-2150.443049 Coeff 1=149.124413 Coeff 2=-0.138221

Symbol	Mass	RSF	Available	Excluded	Sensitivity Measured	Corrected	Calculated	%Error
9Be	9.01	0.7500	1	1	346.38	461.84	-817.73	-277.1
11B	11.01	0.5800	1	1	341.49	726.70	-525.44	-172.3
23Na	22.99	1.0000	1	1	2662.62	2662.62	1204.84	-54.7
24Mg	23.99	0.9800	1	1	1754.60	2277.87	1346.80	-40.9
25Mg	24.99	0.9800	1	1	242.82	2450.85	1489.26	-39.2
26Mg	25.98	0.9800	1	1	274.00	2476.43	1630.88	-34.1
27Al	26.98	0.9800	1	1	2071.45	2113.72	1772.54	-16.1
39K	38.96	1.0000	1	1	2196.15	2359.42	3450.15	46.2
44Ca	43.96	0.9900	1	1	86.06	4081.14	4137.35	1.4
51V	50.94	0.9900	1	1	3569.40	3614.13	5087.82	40.8
52Cr	51.94	0.9800	1	1	3180.40	3874.53	5222.26	34.8
54Fe	53.94	0.9600	1	1	277.35	4896.80	5491.12	12.1
55Mn	54.94	0.9500	1	1	5416.31	5701.38	5624.98	-1.3
56Fe	55.93	0.9600	1	1	4329.10	4927.32	5758.37	16.9
59Co	58.93	0.9300	1	1	3645.46	3919.85	6157.88	57.1
60Ni	59.93	0.9100	1	1	696.10	2924.10	6290.25	115.1
62Ni	61.93	0.9100	1	1	107.80	3236.72	6554.49	102.5
65Cu	64.93	0.9000	1	1	910.94	3274.54	6949.19	112.2
66Zn	65.93	0.3750	1	1	921.24	8833.66	7080.00	-19.9
67Zn	66.93	0.3750	1	1	167.88	10892.59	7210.90	-33.8
68Zn	67.92	0.3750	1	1	743.77	10686.29	7341.09	-31.3
75As	74.92	0.0700	1	1	745.23	10646.12	8246.33	-22.5
78Se	77.92	0.1000	1	1	137.57	5826.84	8629.77	48.1
82Se	81.92	0.1000	1	1	58.52	6619.81	9137.83	38.0
95Mo	94.91	0.9800	1	1	1379.01	9520.68	10757.36	13.0
98Mo	97.91	0.9800	1	1	2276.33	9678.29	11124.73	14.9
107Ag	106.91	0.9300	1	1	4190.03	8773.92	12212.03	39.2
109Ag	108.90	0.9300	1	1	4219.26	9325.45	12450.58	33.5

111Cd	110.90	0.5660	1	1	1056.82	14519.28	12688.00	-12.6
114Cd	113.90	0.5660	1	1	2615.32	16038.54	13042.05	-18.7
121Sb	120.90	0.3900	1	1	4333.18	19407.37	13858.79	-28.6
123Sb	122.90	0.3900	1	1	3262.41	19567.63	14089.69	-28.0
135Ba	134.91	0.9100	1	1	871.91	14539.30	15451.73	6.3
137Ba	136.91	0.9100	1	1	1571.19	15252.50	15674.85	2.8
182W	181.95	0.9400	1	1	5607.49	22673.58	20406.65	-10.0
184W	183.95	0.9400	1	1	6563.31	22788.01	20604.02	-9.6
203Tl	202.97	1.0000	1	1	5871.25	19902.56	22423.29	12.7
205Tl	204.97	1.0000	1	1	15080.51	21390.80	22608.74	5.7
208Pb	207.98	0.9700	0	1	19344.46	38073.20	22885.30	-39.9
232Th	232.04	1.0000	1	1	24065.53	24065.53	25010.05	3.9
238U	238.05	1.0000	1	1	25277.44	25460.75	25516.01	0.2

Dilution Corrected Concentrations

STD0 11/03/2010 03:26:18 PM

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:27:22	T 99.116%	0.000	-0.140	-0.404	-105.100	-82.640	-140.500	-158.000	-8.222
2	15:28:25	T 100.232%	0.000	-0.149	-0.520	-107.100	-82.680	-140.500	-158.000	-8.209
3	15:29:28	T 100.652%	0.000	-0.138	-0.569	-111.400	-82.600	-140.400	-157.800	-8.271
x		T 100.000%	0.000	-0.142	-0.497	-107.900	-82.640	-140.500	-157.900	-8.234
σ		T 0.794%	0.000	0.006	0.085	3.206	0.041	0.048	0.137	0.033
%RSD		T 0.794	0.000	4.215	17.020	2.972	0.049	0.034	0.087	0.398

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:27:22	0.000	0.000	-94.160	-80.050	98.804%	0.000	0.045	-0.042	1.542
2	15:28:25	0.000	0.000	-93.420	-81.230	100.611%	0.000	0.021	-0.062	1.080
3	15:29:28	0.000	0.000	-94.080	-82.150	100.585%	0.000	-0.026	-0.046	0.915
x		0.000	0.000	-93.890	-81.140	100.000%	0.000	0.013	-0.050	1.179
σ		0.000	0.000	0.406	1.049	1.036%	0.000	0.036	0.010	0.325
%RSD		0.000	0.000	0.432	1.293	1.036	0.000	274.500	20.580	27.580

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:27:22	17.700	0.057	-20.760	0.469	-0.230	-0.065	-0.448	-0.055	-0.195
2	15:28:25	17.660	0.060	-20.100	0.470	-0.250	0.117	-0.452	-0.092	-0.179
3	15:29:28	18.170	0.041	-19.570	0.471	-0.176	0.173	-0.408	-0.176	-0.404
x		17.840	0.053	-20.150	0.470	-0.219	0.075	-0.436	-0.108	-0.259
σ		0.284	0.010	0.596	0.001	0.038	0.124	0.024	0.062	0.126
%RSD		1.592	19.510	2.959	0.231	17.620	164.900	5.587	57.640	48.410

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:27:22	-0.017	-0.115	-0.190	-0.047	98.788%	0.788	1.672	-0.096	-1.465
2	15:28:25	-0.144	-0.130	0.157	-0.091	99.387%	0.786	1.666	-0.098	-1.582
3	15:29:28	-0.184	-0.127	0.061	-0.161	101.825%	0.792	1.659	-0.096	-1.484
x		-0.115	-0.124	0.009	-0.100	100.000%	0.789	1.665	-0.097	-1.510
σ		0.087	0.008	0.179	0.057	1.609%	0.003	0.007	0.001	0.063
%RSD		75.840	6.660	1931.000	57.500	1.609	0.413	0.392	1.049	4.140

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:27:22	-0.085	-0.093	-0.091	97.990%	0.823	0.813	5.663	9.560	99.190%
2	15:28:25	-0.088	-0.083	-0.083	99.730%	0.821	0.806	5.665	9.559	99.562%
3	15:29:28	-0.084	-0.096	-0.084	102.280%	0.819	0.805	5.670	9.556	101.248%
x		-0.086	-0.091	-0.086	100.000%	0.821	0.808	5.666	9.558	100.000%
σ		0.002	0.006	0.004	2.158%	0.002	0.004	0.003	0.002	1.096%
%RSD		2.478	7.146	5.211	2.158	0.233	0.505	0.057	0.019	1.096

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:27:22	0.065	0.059	0.004	0.129	0.012	99.905%	0.000	0.606	0.260
2	15:28:25	0.064	0.053	0.004	0.128	0.006	100.436%	0.000	0.605	0.260
3	15:29:28	0.059	0.053	0.007	0.125	0.004	99.659%	0.000	0.603	0.260
x		0.063	0.055	0.005	0.128	0.007	100.000%	0.000	0.605	0.260
σ		0.003	0.004	0.002	0.002	0.004	0.397%	0.000	0.002	0.000
%RSD		5.378	6.662	35.550	1.476	59.870	0.397	0.000	0.314	0.018

STD1 11/03/2010 03:33:53 PM

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:57	T 99.778%	0.000	1.821	39.280	T 964.900	T 943.700	876.700	869.900	72.290
2	15:36:00	T 99.746%	0.000	1.892	38.750	T 970.100	T 961.800	895.000	877.000	70.510
3	15:37:03	T 100.754%	0.000	1.923	39.000	T 959.300	T 954.600	889.700	879.200	71.870
x		T 100.093%	0.000	1.879	39.010	T 964.700	T 953.400	887.100	875.400	71.560
σ		T 0.573%	0.000	0.052	0.264	T 5.394	T 9.135	9.433	4.891	0.933

%RSD		T 0.572	0.000	2.757	0.677	T 0.559	T 0.958	1.063	0.559	1.303
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:34:57	0.000	0.000	T 938.200	904.100	98.491%	0.000	3.980	3.896	3.651
2	15:36:00	0.000	0.000	T 965.700	920.000	102.220%	0.000	3.907	3.812	2.527
3	15:37:03	0.000	0.000	T 947.400	922.700	102.055%	0.000	3.978	3.804	2.068
x		0.000	0.000	T 950.400	915.600	100.922%	0.000	3.955	3.837	2.748
σ		0.000	0.000	T 14.020	10.050	2.107%	0.000	0.042	0.051	0.815
%RSD		0.000	0.000	T 1.475	1.098	2.088	0.000	1.056	1.322	29.640
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:34:57	202.700	4.013	197.100	9.940	3.817	3.989	4.179	3.900	3.810
2	15:36:00	198.200	3.827	193.800	9.736	3.870	3.817	3.802	3.858	3.707
3	15:37:03	198.500	3.851	194.800	9.862	3.677	3.971	3.604	3.714	4.099
x		199.800	3.897	195.300	9.846	3.788	3.926	3.862	3.824	3.872
σ		2.528	0.101	1.705	0.103	0.100	0.095	0.292	0.097	0.203
%RSD		1.265	2.598	0.873	1.045	2.635	2.407	7.563	2.549	5.251
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:34:57	3.827	1.857	1.924	2.104	99.587%	19.310	19.910	1.903	-1.330
2	15:36:00	3.804	1.897	1.867	1.623	100.078%	19.360	19.990	1.922	-1.737
3	15:37:03	3.809	1.892	2.044	1.956	102.474%	19.850	19.900	1.896	-1.132
x		3.813	1.882	1.945	1.895	100.713%	19.510	19.930	1.907	-1.400
σ		0.012	0.022	0.090	0.247	1.545%	0.297	0.048	0.013	0.308
%RSD		0.316	1.170	4.642	13.020	1.534	1.523	0.242	0.704	22.030
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:34:57	1.889	1.825	1.818	99.822%	3.261	3.226	50.460	51.530	98.823%
2	15:36:00	1.901	1.939	1.919	99.399%	3.884	3.866	51.120	52.030	100.605%
3	15:37:03	1.930	1.945	1.853	101.061%	4.224	4.208	50.730	52.800	102.534%
x		1.907	1.903	1.864	100.094%	3.790	3.767	50.770	52.120	100.654%
σ		0.021	0.068	0.051	0.864%	0.488	0.499	0.332	0.638	1.856%
%RSD		1.101	3.556	2.756	0.863	12.890	13.240	0.654	1.225	1.844
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:34:57	1.921	1.915	1.924	2.002	1.962	99.500%	0.000	1.872	2.020
2	15:36:00	1.982	1.996	1.934	1.947	1.905	102.131%	0.000	2.050	1.977
3	15:37:03	1.925	1.933	1.878	1.929	1.915	101.606%	0.000	2.102	1.980
x		1.943	1.948	1.912	1.959	1.927	101.079%	0.000	2.008	1.992
σ		0.034	0.042	0.030	0.038	0.030	1.393%	0.000	0.121	0.024
%RSD		1.748	2.172	1.548	1.954	1.564	1.378	0.000	6.003	1.212

STD2 11/03/2010 03:41:28 PM

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:42:32	T 99.389%	0.000	10.330	198.300	T 5168.000	T 5151.000	5305.000	5358.000	423.000
2	15:43:35	T 100.157%	0.000	10.270	201.600	T 5141.000	T 5146.000	5290.000	5326.000	418.300
3	15:44:38	T 99.730%	0.000	10.370	205.600	T 5223.000	T 5181.000	5338.000	5357.000	419.900
x		T 99.759%	0.000	10.320	201.800	T 5177.000	T 5159.000	5311.000	5347.000	420.400
σ		T 0.384%	0.000	0.051	3.637	T 42.000	T 18.610	24.910	18.240	2.397
%RSD		T 0.385	0.000	0.498	1.802	T 0.811	T 0.361	0.469	0.341	0.570

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:42:32	0.000	0.000	T 5147.000	5239.000	97.234%	0.000	20.260	20.360	4.732
2	15:43:35	0.000	0.000	T 5168.000	5178.000	98.624%	0.000	19.870	20.130	3.595
3	15:44:38	0.000	0.000	T 5216.000	5191.000	98.681%	0.000	19.980	20.280	2.766
x		0.000	0.000	T 5177.000	5203.000	98.180%	0.000	20.040	20.260	3.698
σ		0.000	0.000	T 35.310	31.820	0.819%	0.000	0.203	0.118	0.987
%RSD		0.000	0.000	T 0.682	0.612	0.834	0.000	1.013	0.584	26.700

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:42:32	985.200	20.160	T 1041.000	49.670	20.830	20.110	21.140	20.500	20.770
2	15:43:35	966.600	19.840	T 1026.000	49.540	20.170	19.070	20.390	20.510	20.080
3	15:44:38	981.900	20.170	T 1026.000	49.580	20.580	20.810	20.600	20.030	20.590
x		977.900	20.060	T 1031.000	49.600	20.530	20.000	20.710	20.350	20.480
σ		9.918	0.185	T 9.010	0.063	0.330	0.874	0.389	0.271	0.357
%RSD		1.014	0.924	T 0.874	0.128	1.609	4.370	1.878	1.332	1.742

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:42:32	20.680	10.360	10.130	10.240	97.880%	99.860	97.690	10.280	-0.700
2	15:43:35	20.190	10.170	9.776	10.280	100.130%	98.850	97.470	10.050	-1.492
3	15:44:38	20.230	10.360	10.260	10.240	99.003%	100.100	98.840	10.360	-1.587
x		20.370	10.300	10.050	10.250	99.004%	99.610	98.000	10.230	-1.260
σ		0.272	0.114	0.249	0.023	1.125%	0.665	0.738	0.161	0.487
%RSD		1.337	1.108	2.476	0.229	1.136	0.668	0.753	1.573	38.650

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:42:32	10.250	10.230	10.360	97.605%	17.290	17.270	241.400	236.100	100.464%
2	15:43:35	10.130	10.260	10.120	100.075%	19.420	19.500	239.100	233.500	101.529%
3	15:44:38	10.280	10.200	10.340	98.516%	20.970	21.040	245.500	236.900	101.144%
x		10.220	10.230	10.270	98.732%	19.230	19.270	242.000	235.500	101.046%
σ		0.083	0.030	0.135	1.249%	1.843	1.898	3.217	1.797	0.540%
%RSD		0.808	0.296	1.309	1.265	9.588	9.849	1.329	0.763	0.534

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:42:32	9.778	9.808	10.140	9.954	10.130	99.821%	0.000	8.612	9.714
2	15:43:35	9.999	10.050	9.990	9.806	10.030	101.219%	0.000	9.398	9.687
3	15:44:38	10.200	10.130	10.160	9.908	10.080	100.594%	0.000	9.693	9.655
x		9.991	9.994	10.100	9.889	10.080	100.545%	0.000	9.234	9.685
σ		0.209	0.166	0.095	0.076	0.050	0.700%	0.000	0.559	0.029
%RSD		2.091	1.663	0.939	0.764	0.499	0.697	0.000	6.051	0.304

STD3 11/03/2010 03:49:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:50:07	T 98.806%	0.000	M 50.190	987.400	T 24670.000	T 24660.000	T 24690.000	T 24700.000	T 1996.000
2	15:51:10	T 97.877%	0.000	M 50.090	M 1001.000	T 25000.000	TM 25000.000	TM 25000.000	T 24970.000	TM 2000.000
3	15:52:14	T 97.454%	0.000	49.540	M 1010.000	TM 25230.000	TM 25250.000	TM 25130.000	TM 25130.000	T 1992.000
x		T 98.046%	0.000	M 49.940	M 999.700	TM 24970.000	TM 24970.000	TM 24940.000	TM 24940.000	TM 1996.000
σ		T 0.692%	0.000	M 0.349	M 11.560	TM 279.800	TM 298.300	TM 227.100	TM 216.600	TM 4.166
%RSD		T 0.706	0.000	M 0.698	M 1.156	TM 1.121	TM 1.195	TM 0.911	TM 0.869	TM 0.209

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:50:07	0.000	0.000	T 24550.000	T 24930.000	94.331%	0.000	99.950	99.910	6.582
2	15:51:10	0.000	0.000	T 24930.000	T 24890.000	95.003%	0.000	99.610	M 100.200	5.869
3	15:52:14	0.000	0.000	TM 25420.000	TM 25070.000	95.796%	0.000	M 100.400	99.790	5.304
x		0.000	0.000	TM 24970.000	TM 24960.000	95.043%	0.000	M 99.990	M 99.950	5.918
σ		0.000	0.000	TM 437.000	TM 97.630	0.734%	0.000	M 0.409	M 0.194	0.640
%RSD		0.000	0.000	TM 1.750	TM 0.391	0.772	0.000	M 0.409	M 0.194	10.820
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:50:07	M 5005.000	M 100.500	TM 5006.000	249.800	M 100.400	M 100.000	M 100.400	M 100.700	M 101.100
2	15:51:10	M 5004.000	M 100.000	T 4995.000	249.800	99.470	M 100.900	98.780	99.550	97.670
3	15:52:14	M 5005.000	99.460	T 4981.000	M 250.700	99.870	99.070	M 100.500	99.560	M 101.000
x		M 5004.000	M 99.990	TM 4994.000	M 250.100	M 99.900	M 100.000	M 99.860	M 99.940	M 99.910
σ		M 0.363	M 0.507	TM 12.930	M 0.513	M 0.449	M 0.927	M 0.937	M 0.666	M 1.944
%RSD		M 0.007	M 0.507	TM 0.259	M 0.205	M 0.449	M 0.927	M 0.939	M 0.666	M 1.945
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:50:07	M 100.200	49.820	M 50.730	M 50.170	95.245%	497.100	497.400	M 50.560	2.484
2	15:51:10	98.530	49.900	49.340	49.470	97.028%	497.800	498.200	49.490	1.245
3	15:52:14	M 101.100	M 50.110	49.910	M 50.230	96.716%	M 505.400	M 505.600	49.820	-0.381
x		M 99.930	M 49.950	M 49.990	M 49.950	96.330%	M 500.100	M 500.400	M 49.960	1.116
σ		M 1.309	M 0.150	M 0.698	M 0.424	0.953%	M 4.612	M 4.557	M 0.551	1.437
%RSD		M 1.310	M 0.301	M 1.397	M 0.848	0.989	M 0.922	M 0.911	M 1.102	128.800
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:50:07	M 50.200	M 50.290	M 50.290	96.923%	93.500	93.580	M 1267.000	M 1259.000	103.316%
2	15:51:10	49.960	49.740	49.690	98.512%	M 102.000	M 102.100	M 1257.000	M 1256.000	106.245%
3	15:52:14	49.720	49.840	49.870	99.744%	M 104.900	M 104.800	1231.000	1243.000	105.799%
x		M 49.960	M 49.960	M 49.950	98.393%	M 100.200	M 100.200	M 1252.000	M 1253.000	105.120%
σ		M 0.239	M 0.292	M 0.309	1.414%	M 5.954	M 5.849	M 18.290	M 8.305	1.578%
%RSD		M 0.479	M 0.585	M 0.618	1.438	M 5.944	M 5.840	M 1.462	M 0.663	1.502
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	15:50:07	49.150	49.730	M 50.210	M 50.720	M 50.140	103.598%	0.000	49.000	M 50.800
2	15:51:10	49.940	49.240	49.780	49.900	M 50.200	104.524%	0.000	M 50.300	49.090
3	15:52:14	M 50.920	M 51.040	49.950	49.450	49.620	105.345%	0.000	M 51.150	M 50.300
x		M 50.000	M 50.000	M 49.980	M 50.020	M 49.990	104.489%	0.000	M 50.150	M 50.060
σ		M 0.887	M 0.927	M 0.217	M 0.641	M 0.319	0.874%	0.000	M 1.082	M 0.880
%RSD		M 1.774	M 1.853	M 0.435	M 1.280	M 0.638	0.836	0.000	M 2.158	M 1.758

ICV 11/03/2010 03:56:39 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:43	T 97.702%	0.000	26.040	516.200	T 12590.000	T 12690.000	T 12700.000	T 12770.000	T 1035.000
2	15:58:46	T 97.141%	0.000	26.630	518.000	T 12790.000	T 12930.000	T 12930.000	T 13050.000	T 1051.000
3	15:59:49	T 97.648%	0.000	26.130	519.500	T 12650.000	T 12910.000	T 12860.000	T 13010.000	T 1048.000
x		T 97.497%	0.000	105.073%	103.588%	T 101.388%	T 12840.000	T 102.641%	T 103.534%	T 104.464%
σ		T 0.310%	0.000	n/a	n/a	T n/a	T 131.300	T n/a	T n/a	T n/a
%RSD		T 0.317	0.000	1.204	0.321	T 0.794	T 1.023	T 0.906	T 1.160	T 0.801

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:43	0.000	0.000	T 12690.000	13500.000	92.495%	0.000	52.590	52.090	5.232
2	15:58:46	0.000	0.000	T 12850.000	13540.000	92.547%	0.000	52.360	52.480	4.904
3	15:59:49	0.000	0.000	T 12840.000	13690.000	92.979%	0.000	52.960	52.420	4.143
x		0.000	0.000	T 102.348%	108.596%	92.674%	0.000	105.273%	104.658%	4.760
σ		0.000	0.000	T n/a	n/a	0.265%	0.000	n/a	n/a	0.559
%RSD		0.000	0.000	T 0.708	0.723	0.286	0.000	0.574	0.405	11.750

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:43	2549.000	51.460	T 2650.000	129.900	51.490	51.960	51.150	51.530	60.310
2	15:58:46	2563.000	51.700	T 2656.000	131.800	52.000	51.130	51.860	52.160	59.790
3	15:59:49	2559.000	51.410	T 2655.000	130.700	52.010	50.940	53.260	52.440	61.610
x		2557.000	103.048%	T 106.150%	104.657%	103.668%	102.689%	104.181%	104.086%	121.137%
σ		6.896	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.270	0.300	T 0.108	0.735	0.570	1.054	2.063	0.895	1.550

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:43	57.320	26.540	25.910	26.430	93.465%	257.000	255.700	24.510	1.643
2	15:58:46	58.020	26.210	26.130	25.890	94.118%	258.000	255.700	24.460	0.424
3	15:59:49	58.050	26.550	26.460	26.690	94.497%	258.300	256.800	24.360	-0.342
x		115.591%	105.740%	104.670%	105.344%	94.027%	103.105%	256.100	97.767%	0.575
σ		n/a	n/a	n/a	n/a	0.522%	n/a	0.605	n/a	1.001
%RSD		0.715	0.727	1.046	1.560	0.555	0.249	0.236	0.310	174.000

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:43	24.450	26.710	25.770	95.374%	49.940	49.980	M 1274.000	M 1280.000	100.985%
2	15:58:46	24.210	26.190	25.590	95.599%	54.040	54.160	M 1293.000	M 1291.000	101.834%
3	15:59:49	24.480	25.830	25.640	95.607%	55.710	56.020	M 1287.000	M 1299.000	100.517%
x		97.512%	104.976%	102.663%	95.526%	106.455%	106.773%	M 102.758%	M 103.201%	101.112%
σ		n/a	n/a	n/a	0.132%	n/a	n/a	M n/a	M n/a	0.668%
%RSD		0.612	1.674	0.356	0.138	5.582	5.792	M 0.720	M 0.721	0.660

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:57:43	25.000	25.000	24.730	24.270	25.840	101.055%	0.000	24.050	25.950
2	15:58:46	25.310	25.470	24.480	24.410	26.120	101.970%	0.000	24.910	26.020
3	15:59:49	25.610	25.950	24.850	24.650	26.240	100.375%	0.000	25.340	26.310
x		101.225%	101.890%	98.731%	97.776%	104.264%	101.133%	0.000	24.760	26.090
σ		n/a	n/a	n/a	n/a	n/a	0.800%	0.000	0.656	0.188
%RSD		1.207	1.863	0.767	0.771	0.779	0.791	0.000	2.650	0.721

ICB 11/03/2010 04:04:16 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:19	T 97.241%	0.000	-0.143	12.090	-25.170	-81.780	-139.600	-157.000	-8.273
2	16:06:23	T 98.302%	0.000	-0.137	11.080	-36.000	-81.970	-139.600	-157.000	-8.252
3	16:07:26	T 99.292%	0.000	-0.123	9.717	-46.570	-82.100	-139.900	-157.100	-8.306
x		T 98.278%	0.000	-0.134	10.960	-35.920	-81.950	-139.700	-157.000	-8.277
σ		T 1.026%	0.000	0.010	1.193	10.700	0.162	0.163	0.052	0.027
%RSD		T 1.044	0.000	7.635	10.880	29.790	0.197	0.116	0.033	0.324

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:05:19	0.000	0.000	-75.700	-76.670	90.098%	0.000	0.253	0.018	5.405
2	16:06:23	0.000	0.000	-79.600	-78.220	91.100%	0.000	0.245	-0.000	4.308
3	16:07:26	0.000	0.000	-89.180	-78.460	90.625%	0.000	0.212	-0.003	3.827
x		0.000	0.000	-81.500	-77.780	90.608%	0.000	0.237	0.005	4.513
σ		0.000	0.000	6.937	0.971	0.501%	0.000	0.021	0.012	0.809
%RSD		0.000	0.000	8.512	1.248	0.553	0.000	9.051	233.600	17.930
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:05:19	19.830	0.037	-20.050	0.474	-0.177	0.666	0.093	-0.186	-0.181
2	16:06:23	19.290	0.047	-20.460	0.476	-0.196	0.665	-0.123	-0.142	-0.342
3	16:07:26	19.920	0.052	-20.650	0.476	-0.169	0.225	-0.049	-0.188	-0.209
x		19.680	0.045	-20.390	0.475	-0.181	0.519	-0.026	-0.172	-0.244
σ		0.339	0.008	0.306	0.001	0.014	0.254	0.110	0.026	0.086
%RSD		1.724	16.810	1.499	0.210	7.760	49.060	420.000	15.040	35.340
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:05:19	-0.213	-0.135	-0.484	0.044	90.745%	2.263	3.041	-0.092	-1.766
2	16:06:23	-0.214	0.008	-0.439	-0.097	93.971%	1.905	2.719	-0.094	-1.969
3	16:07:26	-0.236	-0.135	-0.420	-0.142	92.933%	1.694	2.554	-0.095	-1.668
x		-0.221	-0.087	-0.447	-0.065	92.550%	1.954	2.771	-0.094	-1.801
σ		0.013	0.082	0.033	0.097	1.647%	0.288	0.248	0.002	0.154
%RSD		5.835	94.100	7.402	149.900	1.780	14.730	8.937	1.696	8.539
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:05:19	-0.083	-0.059	-0.071	91.646%	2.739	2.724	5.722	9.622	94.438%
2	16:06:23	-0.088	-0.056	-0.060	92.615%	2.315	2.312	5.755	9.638	96.845%
3	16:07:26	-0.087	-0.078	-0.075	92.939%	2.020	2.027	5.730	9.592	96.316%
x		-0.086	-0.064	-0.069	92.400%	2.358	2.354	5.736	9.617	95.866%
σ		0.002	0.012	0.007	0.673%	0.362	0.351	0.018	0.023	1.265%
%RSD		2.872	18.510	10.660	0.728	15.330	14.890	0.307	0.241	1.320
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:05:19	0.792	0.791	0.008	0.124	0.014	97.693%	0.000	0.923	0.265
2	16:06:23	0.677	0.648	0.003	0.126	0.012	98.026%	0.000	0.836	0.265
3	16:07:26	0.607	0.590	0.005	0.124	0.007	99.513%	0.000	0.783	0.263
x		0.692	0.676	0.005	0.125	0.011	98.411%	0.000	0.847	0.265
σ		0.093	0.103	0.003	0.001	0.003	0.969%	0.000	0.071	0.001
%RSD		13.500	15.290	52.670	0.999	31.580	0.985	0.000	8.323	0.405

ICSA 11/03/2010 04:11:53 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	16:12:56	T 78.315%	0.000	-0.100	59.100	TM 108000.000	TM 106900.000	TM 108000.000	TM 108700.000	TM 10900
2	16:13:59	T 78.842%	0.000	-0.119	57.470	TM 108200.000	TM 107400.000	TM 109300.000	TM 109400.000	TM 10700
3	16:15:03	T 77.885%	0.000	-0.122	58.650	TM 112200.000	TM 111000.000	TM 113200.000	TM 112600.000	TM 10860
x		T 78.347%	0.000	-0.114	58.410	TM 109.461%	TM 108400.000	TM 110.153%	TM 110.251%	TM 108.2
σ		T 0.479%	0.000	0.012	0.839	TM n/a	TM 2228.000	TM n/a	TM n/a	
%RSD		T 0.612	0.000	10.420	1.437	TM 2.172	TM 2.055	TM 2.490	TM 1.901	TM

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	16:12:56	T 0.000	0.000	TM 105800.000	TM 107800.000	75.853%	0.000	1.362	1.622	3
2	16:13:59	T 0.000	0.000	TM 105600.000	TM 107200.000	78.322%	0.000	1.414	1.507	3
3	16:15:03	T 0.000	0.000	TM 109100.000	TM 108000.000	78.674%	0.000	1.920	1.536	3
x		T 0.000	0.000	TM 106.839%	TM 107.657%	77.616%	0.000	1.565	1.555	3
σ		T 0.000	0.000	TM n/a	TM n/a	1.538%	0.000	0.309	0.060	
%RSD		T 0.000	0.000	TM 1.857	TM 0.375	1.981	0.000	19.700	3.851	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	16:12:56	TM 99630.000	0.282	TM 106900.000	0.605	-3.460	8.726	1.149	0.145	
2	16:13:59	TM 97450.000	0.278	TM 103500.000	0.623	-3.490	9.597	1.012	-0.011	
3	16:15:03	TM 97160.000	0.294	TM 103900.000	0.606	-3.518	10.700	1.008	-0.013	
x		TM 98080.000	0.285	TM 104.754%	0.611	-3.489	9.676	1.056	0.040	
σ		TM 1347.000	0.009	TM n/a	0.010	0.029	0.991	0.080	0.091	
%RSD		TM 1.374	3.090	TM 1.753	1.643	0.834	10.240	7.567	225.600	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	16:12:56	2.572	-0.192	0.919	-0.418	77.417%	M 2256.000	TM 2003.000	0.045	
2	16:13:59	2.467	-0.094	2.155	-0.383	77.785%	M 2271.000	TM 2023.000	0.025	
3	16:15:03	2.255	-0.088	3.030	-0.363	78.278%	TM 2029.000	TM 2015.000	0.027	
x		2.431	-0.125	2.035	-0.388	77.827%	TM 109.272%	TM 2013.000	0.033	
σ		0.162	0.058	1.060	0.028	0.432%	TM n/a	TM 9.831	0.011	
%RSD		6.640	46.860	52.110	7.176	0.555	TM 6.213	TM 0.488	33.840	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	15
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	16:12:56	0.048	0.243	0.164	79.328%	2.000	1.990	6.157	9.954	84.8
2	16:13:59	0.048	0.218	0.156	79.424%	1.882	1.878	6.027	9.995	84.1
3	16:15:03	0.043	0.061	0.110	79.813%	1.782	1.779	6.085	9.962	84.2
x		0.046	0.174	0.143	79.522%	1.888	1.882	6.090	9.970	84.4
σ		0.003	0.099	0.029	0.257%	0.109	0.106	0.065	0.022	0.3
%RSD		6.150	56.850	20.440	0.323	5.760	5.629	1.074	0.218	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	2
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	16:12:56	0.519	0.538	0.013	0.132	0.213	79.819%	0.000	0.815	
2	16:13:59	0.479	0.477	0.014	0.136	0.188	80.740%	0.000	0.740	
3	16:15:03	0.478	0.462	0.014	0.136	0.201	79.445%	0.000	0.713	
x		0.492	0.492	0.013	0.135	0.200	80.001%	0.000	0.756	
σ		0.023	0.040	0.001	0.002	0.013	0.667%	0.000	0.053	
%RSD		4.733	8.178	5.335	1.679	6.331	0.833	0.000	7.032	

ICSAB 11/03/2010 04:19:30 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	16:20:33	T 77.456%	0.000	18.480	205.200	TM 109900.000	TM 108100.000	TM 111000.000	TM 110200.000	TM 106
2	16:21:37	T 76.561%	0.000	19.010	211.700	TM 113000.000	TM 111400.000	TM 114000.000	TM 112200.000	TM 107
3	16:22:40	T 76.337%	0.000	19.220	210.400	TM 114300.000	TM 111700.000	TM 115200.000	TM 113600.000	TM 107
x		T 76.785%	0.000	94.511%	104.540%	TM 112.382%	TM 110400.000	TM 113.396%	TM 112.022%	TM 10
σ		T 0.592%	0.000	n/a	n/a	TM n/a	TM 1981.000	TM n/a	TM n/a	
%RSD		T 0.771	0.000	2.035	1.649	TM 2.014	TM 1.795	TM 1.945	TM 1.526	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	16:20:33	T 0.000	0.000	TM 108400.000	TM 107000.000	77.764%	0.000	36.050	38.220	
2	16:21:37	T 0.000	0.000	TM 109900.000	TM 107500.000	78.227%	0.000	36.750	37.520	
3	16:22:40	T 0.000	0.000	TM 110100.000	TM 106800.000	78.481%	0.000	36.040	37.560	
x		T 0.000	0.000	TM 109.464%	TM 107.065%	78.157%	0.000	90.696%	94.414%	
σ		T 0.000	0.000	TM n/a	TM n/a	0.364%	0.000	n/a	n/a	
%RSD		T 0.000	0.000	TM 0.860	TM 0.340	0.465	0.000	1.115	1.039	
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	
1	16:20:33	TM 97760.000	38.180	TM 102200.000	42.800	80.680	93.340	86.100	92.190	
2	16:21:37	TM 96810.000	38.590	TM 105000.000	43.700	80.950	95.340	84.670	90.500	
3	16:22:40	TM 96940.000	38.130	TM 104000.000	42.930	80.870	M 101.100	85.700	90.660	
x		TM 97170.000	95.753%	TM 103.733%	86.292%	80.831%	M 96.587%	85.492%	91.113%	8
σ		TM 515.200	n/a	TM n/a	n/a	n/a	M n/a	n/a	n/a	
%RSD		TM 0.530	0.647	TM 1.362	1.132	0.170	M 4.164	0.865	1.023	
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**10**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	
1	16:20:33	86.900	20.870	23.620	18.190	77.369%	M 2225.000	TM 1982.000	18.960	
2	16:21:37	85.270	21.080	25.170	18.420	78.016%	TM 2022.000	TM 2007.000	18.760	
3	16:22:40	86.660	20.690	25.710	18.230	77.871%	M 2248.000	TM 2014.000	18.140	
x		86.274%	104.398%	124.161%	91.412%	77.752%	TM 108.251%	TM 2001.000	93.094%	
σ		n/a	n/a	n/a	n/a	0.339%	TM n/a	TM 17.280	n/a	
%RSD		1.018	0.914	4.368	0.669	0.436	TM 5.747	TM 0.864	2.308	
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	
1	16:20:33	19.070	21.470	20.980	79.051%	M 105.100	M 104.100	433.700	419.100	8
2	16:21:37	18.920	21.130	20.990	79.344%	M 104.400	M 104.300	430.900	420.400	8
3	16:22:40	18.350	20.750	20.620	81.243%	M 103.000	M 101.400	421.100	407.800	8
x		93.902%	105.584%	104.327%	79.880%	M 104.144%	M 103.261%	85.717%	83.151%	8
σ		n/a	n/a	n/a	1.190%	M n/a	M n/a	n/a	n/a	
%RSD		2.027	1.722	1.003	1.490	M 1.025	M 1.596	1.540	1.669	
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	
1	16:20:33	19.580	19.580	17.290	17.090	18.340	79.615%	0.000	18.160	
2	16:21:37	19.720	19.390	17.800	17.490	18.870	77.175%	0.000	18.890	
3	16:22:40	20.000	19.640	18.220	18.150	19.140	75.446%	0.000	19.040	
x		98.839%	97.680%	88.843%	87.888%	93.931%	77.412%	0.000	18.700	
σ		n/a	n/a	n/a	n/a	n/a	2.095%	0.000	0.475	
%RSD		1.101	0.647	2.597	3.051	2.174	2.706	0.000	2.540	

CCV 11/03/2010 04:27:06 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:28:09	T 87.271%	0.000	10.200	209.200	T 5683.000	T 5455.000	5591.000	5603.000	447.300
2	16:29:13	T 87.305%	0.000	9.934	211.600	T 5722.000	T 5535.000	5657.000	5587.000	426.700
3	16:30:16	T 89.466%	0.000	10.210	209.200	T 5623.000	T 5410.000	5541.000	5519.000	431.000
x		T 88.014%	0.000	101.168%	105.010%	T 113.519%	T 5467.000	111.923%	111.395%	108.753%
σ		T 1.258%	0.000	n/a	n/a	T n/a	T 63.080	n/a	n/a	n/a
%RSD		T 1.429	0.000	1.563	0.670	T 0.872	T 1.154	1.040	0.805	2.491

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:28:09	0.000	0.000	T 5779.000	5261.000	88.586%	0.000	20.380	19.330	14.800
2	16:29:13	0.000	0.000	T 5741.000	5189.000	90.323%	0.000	19.650	19.160	12.100
3	16:30:16	0.000	0.000	T 5628.000	5247.000	89.693%	0.000	19.860	19.820	10.890
x		0.000	0.000	T 114.320%	104.646%	89.534%	0.000	99.820%	97.170%	12.600
σ		0.000	0.000	T n/a	n/a	0.879%	0.000	n/a	n/a	2.003
%RSD		0.000	0.000	T 1.372	0.726	0.982	0.000	1.904	1.749	15.900

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:28:09	980.500	19.870	T 1043.000	46.660	19.110	21.920	19.720	19.910	19.810
2	16:29:13	966.600	19.890	T 1035.000	46.350	18.860	21.940	19.150	19.980	19.660
3	16:30:16	987.000	20.340	T 1042.000	47.320	19.960	21.820	19.240	20.280	20.360
x		978.000	100.155%	T 104.033%	93.553%	96.545%	109.460%	96.857%	100.262%	99.720%
σ		10.400	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.064	1.321	T 0.410	1.061	2.983	0.305	1.586	0.978	1.844

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:28:09	19.630	9.923	12.360	10.480	88.762%	101.500	99.960	9.841	-1.282
2	16:29:13	19.250	9.995	11.680	10.520	90.717%	101.800	100.100	9.732	-1.092
3	16:30:16	19.550	10.160	11.530	10.610	90.736%	101.400	98.860	9.870	-1.271
x		97.392%	100.257%	118.579%	105.340%	90.072%	101.525%	99.640	98.143%	-1.215
σ		n/a	n/a	n/a	n/a	1.134%	n/a	0.679	n/a	0.107
%RSD		1.022	1.207	3.752	0.654	1.259	0.201	0.682	0.741	8.764

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:28:09	10.020	10.220	9.971	91.596%	17.200	17.200	239.100	230.800	92.338%
2	16:29:13	9.935	10.040	10.030	92.174%	19.670	19.680	239.000	232.800	93.866%
3	16:30:16	9.889	10.710	10.160	91.923%	21.260	21.100	247.500	237.600	94.451%
x		99.491%	103.246%	100.531%	91.898%	96.882%	96.629%	96.757%	93.496%	93.551%
σ		n/a	n/a	n/a	0.290%	n/a	n/a	n/a	n/a	1.091%
%RSD		0.692	3.382	0.948	0.315	10.560	10.200	2.007	1.486	1.166

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:28:09	9.998	10.090	10.050	10.010	10.090	90.066%	0.000	8.815	9.638
2	16:29:13	10.150	10.120	9.873	9.811	9.975	92.614%	0.000	9.298	9.304
3	16:30:16	10.220	10.200	10.110	9.938	10.100	92.223%	0.000	9.724	9.518
x		101.219%	101.344%	100.116%	99.209%	100.553%	91.634%	0.000	9.279	9.486
σ		n/a	n/a	n/a	n/a	n/a	1.373%	0.000	0.455	0.169
%RSD		1.112	0.555	1.241	1.034	0.694	1.498	0.000	4.902	1.785

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:35:45	T 91.050%	0.000	-0.122	6.891	90.670	-74.730	-131.800	-149.800	-1.668
2	16:36:48	T 90.283%	0.000	-0.118	5.952	91.610	-72.780	-130.500	-147.600	-0.160
3	16:37:52	T 90.873%	0.000	-0.138	5.517	82.900	-75.420	-133.000	-150.400	-2.097
x		T 90.735%	0.000	-0.126	6.120	88.390	-74.310	-131.700	-149.300	-1.308
σ		T 0.402%	0.000	0.010	0.703	4.782	1.368	1.278	1.467	1.018
%RSD		T 0.443	0.000	8.180	11.480	5.410	1.840	0.970	0.983	77.780

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:35:45	0.000	0.000	149.800	-73.290	89.019%	0.000	0.529	0.026	14.640
2	16:36:48	0.000	0.000	147.700	-70.780	88.417%	0.000	0.399	0.020	13.050
3	16:37:52	0.000	0.000	131.600	-70.190	89.275%	0.000	0.550	0.029	11.600
x		0.000	0.000	143.000	-71.420	88.904%	0.000	0.493	0.025	13.100
σ		0.000	0.000	9.947	1.644	0.441%	0.000	0.082	0.005	1.521
%RSD		0.000	0.000	6.955	2.302	0.496	0.000	16.570	18.310	11.620
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:35:45	25.970	0.062	-11.870	0.478	-0.150	1.877	-0.281	-0.140	0.106
2	16:36:48	28.890	0.067	-9.979	0.487	-0.180	1.457	-0.335	-0.115	-0.091
3	16:37:52	25.350	0.067	-11.900	0.477	-0.244	1.618	-0.309	-0.205	-0.003
x		26.740	0.065	-11.250	0.481	-0.191	1.651	-0.308	-0.153	0.004
σ		1.889	0.003	1.101	0.005	0.048	0.212	0.027	0.046	0.099
%RSD		7.065	4.790	9.790	1.112	25.160	12.820	8.724	30.030	2649.000
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:35:45	-0.209	-0.024	0.727	0.157	89.193%	2.554	3.394	-0.091	-1.640
2	16:36:48	-0.195	-0.161	0.302	-0.037	89.355%	2.353	3.171	-0.089	-1.588
3	16:37:52	-0.180	-0.035	0.198	-0.114	91.020%	2.121	3.045	-0.097	-2.020
x		-0.195	-0.073	0.409	0.002	89.856%	2.343	3.203	-0.092	-1.749
σ		0.015	0.076	0.280	0.140	1.011%	0.217	0.177	0.004	0.236
%RSD		7.481	103.900	68.460	6408.000	1.126	9.249	5.519	4.431	13.490
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:35:45	-0.084	-0.078	-0.071	90.040%	1.785	1.749	5.725	9.625	92.244%
2	16:36:48	-0.085	-0.087	-0.072	91.289%	1.561	1.547	5.759	9.650	93.494%
3	16:37:52	-0.086	-0.045	-0.057	92.135%	1.412	1.406	5.756	9.635	93.822%
x		-0.085	-0.070	-0.067	91.154%	1.586	1.567	5.747	9.637	93.186%
σ		0.001	0.022	0.008	1.054%	0.188	0.172	0.019	0.013	0.833%
%RSD		0.993	31.150	12.330	1.156	11.820	11.000	0.328	0.132	0.894
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:35:45	0.289	0.288	0.010	0.131	0.013	92.869%	0.000	0.772	0.264
2	16:36:48	0.275	0.255	0.009	0.129	0.017	93.522%	0.000	0.724	0.264
3	16:37:52	0.260	0.241	0.007	0.127	0.010	94.328%	0.000	0.699	0.264
x		0.274	0.262	0.009	0.129	0.013	93.573%	0.000	0.732	0.264
σ		0.014	0.024	0.002	0.002	0.003	0.731%	0.000	0.037	0.000
%RSD		5.265	9.365	22.460	1.673	25.160	0.781	0.000	5.115	0.045

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:21	T 92.879%	0.000	-0.151	5.131	96.960	-77.210	-134.600	-152.600	-1.362
2	16:44:24	T 92.949%	0.000	-0.129	5.056	83.440	-79.260	-136.500	-155.000	-3.317
3	16:45:27	T 93.963%	0.000	-0.148	4.919	77.500	-79.610	-137.200	-154.800	-3.782
x		T 93.264%	0.000	-0.143	5.035	85.970	-78.690	-136.100	-154.100	-2.820
σ		T 0.607%	0.000	0.012	0.108	9.972	1.294	1.360	1.357	1.284
%RSD		T 0.651	0.000	8.274	2.134	11.600	1.644	1.000	0.881	45.540

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:21	0.000	0.000	98.270	-62.520	90.180%	0.000	0.494	0.653	14.670
2	16:44:24	0.000	0.000	85.360	-63.000	91.661%	0.000	0.416	0.643	12.530
3	16:45:27	0.000	0.000	82.230	-62.590	92.252%	0.000	0.638	0.674	10.830
x		0.000	0.000	88.620	-62.700	91.364%	0.000	0.516	0.657	12.680
σ		0.000	0.000	8.502	0.259	1.068%	0.000	0.113	0.016	1.921
%RSD		0.000	0.000	9.594	0.413	1.168	0.000	21.850	2.442	15.150

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:21	87.630	0.509	31.420	0.481	0.014	1.055	0.518	1.564	1.444
2	16:44:24	84.760	0.543	28.440	0.476	-0.004	1.099	0.511	1.357	1.359
3	16:45:27	84.540	0.530	29.370	0.483	0.015	0.943	0.577	1.493	1.527
x		85.640	0.527	29.740	0.480	0.008	1.032	0.535	1.472	1.443
σ		1.723	0.017	1.527	0.004	0.011	0.080	0.036	0.105	0.084
%RSD		2.011	3.253	5.134	0.759	128.100	7.773	6.712	7.148	5.826

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:21	1.236	0.042	-0.337	0.205	91.587%	1.817	2.660	-0.096	-1.627
2	16:44:24	1.169	-0.095	-0.235	-0.106	94.468%	1.595	2.537	-0.098	-1.629
3	16:45:27	1.341	0.022	-0.084	-0.086	93.430%	1.522	2.408	-0.098	-1.636
x		1.248	-0.010	-0.219	0.004	93.162%	1.645	2.535	-0.097	-1.631
σ		0.087	0.074	0.127	0.174	1.459%	0.153	0.126	0.001	0.005
%RSD		6.973	722.500	58.150	3961.000	1.566	9.317	4.980	1.096	0.285

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:21	-0.087	-0.075	-0.092	93.680%	1.350	1.346	5.715	9.624	96.834%
2	16:44:24	-0.088	-0.081	-0.103	93.565%	1.239	1.220	5.715	9.585	98.455%
3	16:45:27	-0.088	-0.070	-0.145	94.388%	1.161	1.144	5.746	9.597	97.885%
x		-0.087	-0.076	-0.113	93.878%	1.250	1.237	5.726	9.602	97.725%
σ		0.001	0.005	0.028	0.446%	0.095	0.102	0.018	0.020	0.823%
%RSD		0.890	7.019	24.680	0.475	7.577	8.247	0.314	0.210	0.842

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:43:21	0.865	0.839	0.007	0.128	0.018	96.879%	0.000	0.806	0.262
2	16:44:24	0.766	0.759	0.006	0.129	0.015	98.758%	0.000	0.727	0.261
3	16:45:27	0.632	0.654	0.004	0.126	0.015	96.883%	0.000	0.703	0.261
x		0.754	0.751	0.006	0.127	0.016	97.507%	0.000	0.745	0.262
σ		0.117	0.093	0.002	0.001	0.002	1.084%	0.000	0.054	0.001
%RSD		15.480	12.370	29.010	1.146	12.260	1.112	0.000	7.237	0.238

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:55	T 91.530%	0.000	26.100	517.700	T 13450.000	T 13280.000	T 13390.000	T 13340.000	T 1034.000
2	16:51:59	T 92.025%	0.000	26.380	518.300	T 13430.000	T 13400.000	T 13470.000	T 13450.000	T 1043.000
3	16:53:02	T 91.891%	0.000	25.810	521.300	T 13630.000	T 13560.000	T 13570.000	T 13540.000	T 1052.000
x		T 91.815%	0.000	26.100	519.100	T 13510.000	T 13410.000	T 13480.000	T 13440.000	T 1043.000
σ		T 0.256%	0.000	0.289	1.934	T 110.200	T 136.600	T 93.370	T 98.530	T 8.929
%RSD		T 0.279	0.000	1.107	0.373	T 0.816	T 1.019	T 0.693	T 0.733	T 0.856

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:55	0.000	0.000	T 13390.000	13620.000	90.649%	0.000	50.230	50.660	10.260
2	16:51:59	0.000	0.000	T 13560.000	13420.000	91.305%	0.000	50.910	50.640	8.343
3	16:53:02	0.000	0.000	T 13490.000	13570.000	91.326%	0.000	50.470	51.400	7.358
x		0.000	0.000	T 13480.000	13540.000	91.093%	0.000	50.540	50.900	8.654
σ		0.000	0.000	T 83.180	103.800	0.385%	0.000	0.344	0.431	1.477
%RSD		0.000	0.000	T 0.617	0.767	0.422	0.000	0.681	0.846	17.070
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:50:55	2549.000	51.040	T 2640.000	123.700	48.680	48.950	48.530	50.930	56.670
2	16:51:59	2567.000	51.940	T 2671.000	125.100	49.460	50.840	49.020	50.990	57.330
3	16:53:02	2569.000	51.700	T 2676.000	125.500	49.690	50.140	50.200	51.050	57.120
x		2561.000	51.560	T 2662.000	124.800	49.280	49.980	49.250	50.990	57.040
σ		10.580	0.465	T 19.490	0.928	0.529	0.959	0.863	0.059	0.337
%RSD		0.413	0.901	T 0.732	0.744	1.073	1.918	1.751	0.115	0.591
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:50:55	57.020	24.990	24.270	24.480	91.513%	254.500	252.700	23.480	1.505
2	16:51:59	57.620	25.240	24.450	24.770	92.589%	255.100	251.900	23.780	-0.805
3	16:53:02	56.800	24.380	24.330	23.830	94.555%	249.900	248.200	23.270	0.604
x		57.140	24.870	24.350	24.360	92.886%	253.200	250.900	23.510	0.435
σ		0.425	0.445	0.091	0.481	1.542%	2.856	2.360	0.260	1.165
%RSD		0.743	1.789	0.373	1.973	1.661	1.128	0.941	1.105	268.000
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:50:55	23.430	25.150	24.610	95.831%	55.970	56.190	M 1270.000	M 1278.000	101.547%
2	16:51:59	24.210	25.600	25.240	95.278%	56.810	56.920	M 1298.000	M 1296.000	104.235%
3	16:53:02	23.450	25.310	24.780	96.998%	56.030	56.430	M 1275.000	M 1260.000	103.325%
x		23.700	25.350	24.880	96.036%	56.270	56.510	M 1281.000	M 1278.000	103.036%
σ		0.442	0.226	0.326	0.878%	0.468	0.371	M 14.980	M 18.030	1.367%
%RSD		1.867	0.890	1.311	0.914	0.831	0.657	M 1.169	M 1.411	1.327
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	16:50:55	27.480	27.670	24.920	24.690	26.010	99.344%	0.000	25.760	26.100
2	16:51:59	26.990	26.950	24.490	23.910	25.700	101.353%	0.000	25.170	25.350
3	16:53:02	27.310	27.180	24.690	24.140	25.810	101.129%	0.000	25.860	25.680
x		27.260	27.270	24.700	24.250	25.840	100.609%	0.000	25.600	25.710
σ		0.249	0.371	0.218	0.404	0.158	1.101%	0.000	0.371	0.373
%RSD		0.912	1.361	0.882	1.668	0.612	1.094	0.000	1.450	1.450

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:30	T 88.792%	0.000	-0.114	9.781	T 13160.000	T 5066.000	5094.000	5087.000	9.909
2	16:59:33	T 89.858%	0.000	-0.109	9.206	T 13070.000	T 5033.000	5072.000	5102.000	11.610
3	17:00:37	T 91.021%	0.000	-0.122	7.789	T 13270.000	T 5067.000	5125.000	5123.000	13.800
x		T 89.890%	0.000	-0.115	8.925	T 13160.000	T 5055.000	5097.000	5104.000	11.770
σ		T 1.115%	0.000	0.007	1.025	T 100.200	T 19.100	26.700	18.030	1.949
%RSD		T 1.240	0.000	5.858	11.490	T 0.761	T 0.378	0.524	0.353	16.550

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:30	T 0.000	0.000	TM 40560.000	TM 117200.000	85.545%	0.000	1.037	5.562	12.320
2	16:59:33	T 0.000	0.000	TM 40750.000	TM 114800.000	88.159%	0.000	0.948	5.590	10.710
3	17:00:37	T 0.000	0.000	TM 41280.000	TM 116300.000	89.447%	0.000	0.684	5.534	9.265
x		T 0.000	0.000	TM 40860.000	TM 116100.000	87.717%	0.000	0.890	5.562	10.770
σ		T 0.000	0.000	TM 372.800	TM 1180.000	1.988%	0.000	0.184	0.028	1.530
%RSD		T 0.000	0.000	TM 0.912	TM 1.016	2.267	0.000	20.620	0.500	14.210

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:30	222.100	29.160	186.300	0.688	-2.141	3.911	3.696	M 289.400	M 237.700
2	16:59:33	221.800	28.950	184.400	0.661	-1.907	2.896	3.528	M 281.400	M 228.300
3	17:00:37	219.400	29.200	181.800	0.654	-2.036	3.148	3.321	M 286.600	M 234.700
x		221.100	29.100	184.200	0.668	-2.028	3.318	3.515	M 285.800	M 233.600
σ		1.502	0.132	2.267	0.018	0.117	0.529	0.188	M 4.042	M 4.790
%RSD		0.679	0.454	1.231	2.713	5.778	15.930	5.346	M 1.414	M 2.051

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:30	M 258.700	0.171	1.578	1.927	88.748%	2.081	2.949	-0.084	-1.415
2	16:59:33	M 251.500	0.327	1.822	1.922	89.595%	1.971	2.785	-0.089	-1.633
3	17:00:37	M 251.000	0.399	1.926	1.991	90.316%	1.724	2.712	-0.089	-1.937
x		M 253.800	0.299	1.776	1.947	89.553%	1.926	2.815	-0.087	-1.662
σ		M 4.315	0.116	0.179	0.038	0.785%	0.183	0.122	0.003	0.262
%RSD		M 1.700	38.890	10.060	1.962	0.876	9.501	4.325	3.579	15.780

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:30	-0.075	-0.074	-0.096	90.557%	1.049	1.087	27.010	29.730	95.879%
2	16:59:33	-0.072	-0.070	-0.108	91.923%	0.993	0.992	27.270	29.700	96.029%
3	17:00:37	-0.079	-0.019	-0.077	91.698%	0.978	0.965	27.360	29.700	97.843%
x		-0.076	-0.055	-0.094	91.393%	1.007	1.015	27.210	29.710	96.584%
σ		0.004	0.031	0.016	0.732%	0.038	0.064	0.184	0.019	1.093%
%RSD		4.760	56.090	16.560	0.801	3.762	6.316	0.676	0.063	1.132

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:30	0.589	0.611	0.018	0.140	0.203	95.486%	0.000	0.722	0.283
2	16:59:33	0.521	0.541	0.010	0.133	0.199	96.815%	0.000	0.686	0.276
3	17:00:37	0.477	0.477	0.008	0.131	0.213	96.338%	0.000	0.668	0.276
x		0.529	0.543	0.012	0.135	0.205	96.213%	0.000	0.692	0.278
σ		0.057	0.067	0.005	0.005	0.007	0.673%	0.000	0.027	0.004
%RSD		10.690	12.390	43.730	3.460	3.507	0.700	0.000	3.909	1.498

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:04	T 92.198%	0.000	-0.135	5.892	T 6400.000	T 3094.000	3039.000	3014.000	6.091
2	17:07:08	T 93.061%	0.000	-0.142	5.746	T 6390.000	T 3100.000	3062.000	2992.000	5.949
3	17:08:11	T 92.575%	0.000	-0.129	5.611	T 6519.000	T 3128.000	3088.000	3042.000	5.928
x		T 92.612%	0.000	-0.135	5.750	T 6437.000	T 3107.000	3063.000	3016.000	5.989
σ		T 0.433%	0.000	0.006	0.140	T 71.860	T 18.050	24.250	25.330	0.089
%RSD		T 0.467	0.000	4.663	2.441	T 1.116	T 0.581	0.792	0.840	1.478

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:04	T 0.000	0.000	TM 46400.000	4321.000	91.406%	0.000	0.881	1.740	14.770
2	17:07:08	T 0.000	0.000	TM 46470.000	4307.000	91.460%	0.000	0.656	1.788	12.170
3	17:08:11	T 0.000	0.000	TM 47080.000	4273.000	92.126%	0.000	0.767	1.864	10.160
x		T 0.000	0.000	TM 46650.000	4300.000	91.664%	0.000	0.768	1.798	12.370
σ		T 0.000	0.000	TM 372.500	24.930	0.401%	0.000	0.113	0.062	2.311
%RSD		T 0.000	0.000	TM 0.798	0.580	0.438	0.000	14.690	3.471	18.690
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:06:04	72.910	1.695	4.593	0.511	0.256	1.329	1.844	M 141.400	M 117.800
2	17:07:08	74.110	1.694	4.025	0.506	0.138	0.840	1.977	M 141.600	M 116.800
3	17:08:11	73.330	1.673	4.157	0.493	0.204	0.866	1.959	M 142.200	M 114.900
x		73.450	1.687	4.258	0.503	0.200	1.012	1.927	M 141.700	M 116.500
σ		0.608	0.012	0.297	0.009	0.059	0.275	0.072	M 0.409	M 1.453
%RSD		0.828	0.726	6.986	1.877	29.610	27.180	3.740	M 0.288	M 1.247
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:06:04	M 125.500	0.279	1.305	1.249	93.110%	1.128	2.055	-0.094	-2.020
2	17:07:08	M 125.200	0.257	0.981	1.290	94.124%	1.113	2.016	-0.094	-1.610
3	17:08:11	M 126.600	0.334	1.286	1.480	94.363%	1.087	1.970	-0.096	-1.625
x		M 125.800	0.290	1.191	1.340	93.866%	1.109	2.013	-0.095	-1.752
σ		M 0.725	0.040	0.182	0.124	0.665%	0.020	0.042	0.001	0.232
%RSD		M 0.577	13.680	15.300	9.220	0.709	1.840	2.104	0.903	13.260
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:06:04	-0.087	-0.037	-0.106	93.920%	0.936	0.913	6.436	10.230	98.690%
2	17:07:08	-0.086	-0.061	-0.141	94.308%	0.922	0.903	6.337	10.200	98.377%
3	17:08:11	-0.087	-0.072	-0.149	97.804%	0.902	0.888	6.329	10.140	98.743%
x		-0.087	-0.057	-0.132	95.344%	0.920	0.901	6.367	10.190	98.603%
σ		0.001	0.018	0.023	2.140%	0.017	0.013	0.059	0.045	0.198%
%RSD		0.579	31.080	17.500	2.244	1.878	1.431	0.928	0.437	0.201
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:06:04	0.422	0.432	0.005	0.126	0.048	97.799%	0.000	0.647	0.262
2	17:07:08	0.377	0.392	0.007	0.129	0.039	98.883%	0.000	0.641	0.263
3	17:08:11	0.379	0.371	0.002	0.125	0.040	97.166%	0.000	0.632	0.262
x		0.393	0.398	0.005	0.127	0.042	97.949%	0.000	0.640	0.262
σ		0.026	0.031	0.002	0.002	0.005	0.868%	0.000	0.007	0.000
%RSD		6.552	7.724	49.460	1.479	11.610	0.886	0.000	1.137	0.164

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:39	T 88.592%	0.000	-0.036	776.200	T 4275.000	T 4539.000	4596.000	4540.000	T 1671.000
2	17:14:43	T 86.807%	0.000	-0.037	785.600	T 4317.000	T 4640.000	4627.000	4612.000	T 1663.000
3	17:15:46	T 86.278%	0.000	-0.016	792.000	T 4370.000	T 4656.000	4667.000	4671.000	T 1677.000
x		T 87.226%	0.000	-0.029	784.600	T 4321.000	T 4612.000	4630.000	4608.000	T 1670.000
σ		T 1.212%	0.000	0.012	7.941	T 47.580	T 63.330	35.600	65.400	T 7.369
%RSD		T 1.390	0.000	40.260	1.012	T 1.101	T 1.373	0.769	1.419	T 0.441

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:39	0.000	0.000	T 10970.000	TM 41960.000	86.504%	0.000	4.472	3.531	16.090
2	17:14:43	0.000	0.000	T 11250.000	TM 42060.000	86.529%	0.000	4.292	3.513	13.260
3	17:15:46	0.000	0.000	T 11190.000	TM 41950.000	86.616%	0.000	4.517	3.481	10.960
x		0.000	0.000	T 11130.000	TM 41990.000	86.550%	0.000	4.427	3.508	13.440
σ		0.000	0.000	T 146.200	TM 59.920	0.059%	0.000	0.119	0.025	2.573
%RSD		0.000	0.000	T 1.313	TM 0.143	0.068	0.000	2.687	0.714	19.150

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:39	4385.000	TM 772.300	T 4580.000	2.081	2.828	5.442	8.024	50.990	44.340
2	17:14:43	4362.000	TM 769.100	T 4566.000	2.036	2.915	4.603	8.143	51.450	44.080
3	17:15:46	4403.000	TM 774.600	T 4572.000	2.115	3.038	5.433	8.136	50.640	43.840
x		4383.000	TM 772.000	T 4572.000	2.078	2.927	5.159	8.101	51.030	44.080
σ		20.500	TM 2.789	T 7.125	0.039	0.105	0.481	0.067	0.404	0.249
%RSD		0.468	TM 0.361	T 0.156	1.890	3.595	9.331	0.827	0.792	0.566

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:39	46.340	4.279	0.170	0.727	90.958%	2.082	2.871	-0.069	-2.023
2	17:14:43	46.100	3.954	0.087	0.668	91.386%	2.048	2.866	-0.068	-1.910
3	17:15:46	46.790	4.206	0.234	0.731	91.111%	2.104	2.886	-0.081	-1.560
x		46.410	4.147	0.164	0.709	91.152%	2.078	2.875	-0.073	-1.831
σ		0.350	0.171	0.074	0.035	0.217%	0.028	0.010	0.007	0.241
%RSD		0.754	4.112	45.020	4.933	0.238	1.371	0.365	9.910	13.170

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:39	-0.070	0.206	0.188	90.490%	1.182	1.165	115.300	113.100	93.776%
2	17:14:43	-0.069	0.253	0.222	90.596%	1.172	1.155	114.100	113.800	95.080%
3	17:15:46	-0.071	0.152	0.143	89.460%	1.168	1.159	116.600	114.400	93.754%
x		-0.070	0.204	0.184	90.182%	1.174	1.160	115.300	113.800	94.203%
σ		0.001	0.050	0.040	0.628%	0.007	0.005	1.222	0.658	0.759%
%RSD		0.963	24.610	21.730	0.696	0.587	0.426	1.059	0.578	0.806

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:39	0.471	0.482	0.081	0.208	13.690	93.684%	0.000	1.065	1.028
2	17:14:43	0.486	0.450	0.100	0.202	13.670	93.616%	0.000	1.065	1.020
3	17:15:46	0.431	0.467	0.088	0.198	13.570	94.313%	0.000	1.050	1.017
x		0.463	0.466	0.090	0.203	13.640	93.871%	0.000	1.060	1.022
σ		0.028	0.016	0.010	0.005	0.068	0.384%	0.000	0.009	0.006
%RSD		6.096	3.409	10.720	2.560	0.499	0.410	0.000	0.809	0.558

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:14	T 86.463%	0.000	-0.113	30.410	T 7729.000	T 2983.000	2893.000	2877.000	175.300
2	17:22:17	T 88.101%	0.000	-0.121	28.610	T 7701.000	T 2987.000	2905.000	2916.000	172.000
3	17:23:21	T 88.440%	0.000	-0.124	27.270	T 7754.000	T 3011.000	2931.000	2907.000	173.900
x		T 87.668%	0.000	-0.119	28.760	T 7728.000	T 2994.000	2910.000	2900.000	173.800
σ		T 1.057%	0.000	0.006	1.572	T 26.530	T 14.950	19.420	20.460	1.672
%RSD		T 1.206	0.000	4.718	5.466	T 0.343	T 0.499	0.667	0.705	0.962

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:14	0.000	0.000	TM 41690.000	11270.000	82.729%	0.000	1.283	1.370	15.460
2	17:22:17	0.000	0.000	TM 41710.000	11140.000	85.118%	0.000	0.934	1.324	13.090
3	17:23:21	0.000	0.000	TM 42110.000	11200.000	86.498%	0.000	0.907	1.315	11.410
x		0.000	0.000	TM 41840.000	11200.000	84.782%	0.000	1.041	1.337	13.320
σ		0.000	0.000	TM 236.300	65.810	1.907%	0.000	0.210	0.029	2.035
%RSD		0.000	0.000	TM 0.565	0.588	2.249	0.000	20.170	2.204	15.270
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:21:14	822.000	48.540	T 837.800	0.852	0.246	1.642	3.606	27.580	24.570
2	17:22:17	804.900	47.440	T 824.900	0.841	0.302	1.692	3.617	27.250	23.320
3	17:23:21	798.200	46.920	T 822.300	0.813	0.284	1.238	3.554	26.830	23.320
x		808.400	47.630	T 828.300	0.835	0.277	1.524	3.592	27.220	23.740
σ		12.260	0.824	T 8.263	0.020	0.029	0.249	0.034	0.379	0.722
%RSD		1.517	1.729	T 0.998	2.417	10.290	16.340	0.935	1.392	3.043
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:21:14	24.390	1.406	1.182	1.924	86.543%	1.798	2.644	-0.098	-1.834
2	17:22:17	24.890	1.125	1.575	1.658	87.811%	1.805	2.669	-0.097	-1.768
3	17:23:21	25.040	1.251	1.751	1.821	89.076%	1.793	2.605	-0.096	-1.710
x		24.770	1.261	1.503	1.801	87.810%	1.799	2.639	-0.097	-1.771
σ		0.339	0.141	0.292	0.134	1.267%	0.006	0.032	0.001	0.062
%RSD		1.368	11.160	19.410	7.435	1.442	0.326	1.219	0.807	3.482
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:21:14	-0.084	0.026	0.009	86.780%	0.901	0.887	39.160	41.550	91.013%
2	17:22:17	-0.083	0.018	-0.026	87.777%	0.896	0.879	38.550	41.050	93.176%
3	17:23:21	-0.085	0.021	-0.019	90.166%	0.889	0.873	38.920	40.360	93.912%
x		-0.084	0.021	-0.012	88.241%	0.895	0.880	38.880	40.990	92.700%
σ		0.001	0.004	0.018	1.740%	0.006	0.007	0.308	0.598	1.507%
%RSD		1.678	20.880	154.500	1.972	0.637	0.797	0.793	1.459	1.625
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:21:14	0.296	0.300	0.057	0.176	1.542	91.618%	0.000	0.664	0.365
2	17:22:17	0.268	0.267	0.055	0.167	1.519	94.498%	0.000	0.661	0.377
3	17:23:21	0.264	0.246	0.050	0.176	1.518	92.882%	0.000	0.659	0.362
x		0.276	0.271	0.054	0.173	1.527	92.999%	0.000	0.661	0.368
σ		0.017	0.027	0.004	0.005	0.013	1.444%	0.000	0.002	0.008
%RSD		6.226	10.090	6.912	3.086	0.881	1.552	0.000	0.346	2.094

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:28:49	T 87.931%	0.000	-0.107	9.341	T 1693.000	543.100	466.600	436.800	32.900
2	17:29:53	T 89.263%	0.000	-0.098	8.758	T 1669.000	538.100	459.900	435.100	33.300
3	17:30:56	T 89.701%	0.000	-0.134	8.710	T 1650.000	530.500	459.400	437.600	33.230
x		T 88.965%	0.000	-0.113	8.937	T 1671.000	537.200	462.000	436.500	33.140
σ		T 0.922%	0.000	0.019	0.351	T 21.830	6.305	4.023	1.280	0.213
%RSD		T 1.036	0.000	16.430	3.928	T 1.306	1.174	0.871	0.293	0.643
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:28:49	0.000	0.000	T 8519.000	2169.000	83.425%	0.000	0.821	0.271	16.870
2	17:29:53	0.000	0.000	T 8477.000	2156.000	84.790%	0.000	0.565	0.272	14.170
3	17:30:56	0.000	0.000	T 8505.000	2096.000	85.140%	0.000	0.913	0.287	12.010
x		0.000	0.000	T 8500.000	2141.000	84.452%	0.000	0.767	0.277	14.350
σ		0.000	0.000	T 21.550	38.870	0.906%	0.000	0.180	0.009	2.432
%RSD		0.000	0.000	T 0.254	1.816	1.073	0.000	23.530	3.261	16.950
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:28:49	181.400	10.080	161.400	0.548	-0.094	0.951	0.518	6.015	4.795
2	17:29:53	181.400	9.714	157.000	0.557	-0.029	1.222	0.447	5.840	5.186
3	17:30:56	180.900	9.709	152.800	0.566	-0.013	0.602	0.495	5.900	5.386
x		181.200	9.834	157.100	0.557	-0.045	0.925	0.487	5.918	5.123
σ		0.273	0.212	4.328	0.008	0.043	0.311	0.036	0.089	0.300
%RSD		0.151	2.159	2.756	1.524	94.960	33.620	7.398	1.502	5.865
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:28:49	5.184	0.126	0.289	0.181	86.818%	1.095	1.965	-0.098	-1.480
2	17:29:53	5.102	0.273	0.376	0.289	86.023%	1.068	1.981	-0.097	-1.528
3	17:30:56	5.025	0.203	0.162	0.297	87.843%	1.096	1.910	-0.096	-1.605
x		5.104	0.201	0.276	0.256	86.895%	1.086	1.952	-0.097	-1.538
σ		0.080	0.074	0.108	0.065	0.912%	0.016	0.037	0.001	0.063
%RSD		1.565	36.690	39.030	25.290	1.050	1.470	1.887	0.854	4.114
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:28:49	-0.087	-0.076	-0.068	87.400%	0.857	0.836	12.580	15.910	90.425%
2	17:29:53	-0.087	-0.072	-0.071	87.630%	0.844	0.829	12.270	15.910	92.041%
3	17:30:56	-0.087	-0.061	-0.061	87.707%	0.843	0.827	12.740	15.890	91.537%
x		-0.087	-0.070	-0.066	87.579%	0.848	0.831	12.530	15.900	91.334%
σ		0.000	0.008	0.005	0.160%	0.008	0.005	0.235	0.014	0.827%
%RSD		0.363	11.120	8.150	0.183	0.891	0.582	1.878	0.088	0.906
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:28:49	0.103	0.103	0.015	0.132	0.306	91.738%	0.000	0.607	0.283
2	17:29:53	0.102	0.110	0.012	0.134	0.307	93.158%	0.000	0.605	0.282
3	17:30:56	0.095	0.100	0.012	0.134	0.306	93.584%	0.000	0.605	0.281
x		0.100	0.104	0.013	0.133	0.306	92.827%	0.000	0.606	0.282
σ		0.005	0.005	0.002	0.001	0.000	0.967%	0.000	0.001	0.001
%RSD		4.677	4.793	13.140	1.008	0.161	1.041	0.000	0.208	0.248

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:36:25	T 88.859%	0.000	9.345	229.300	T 12740.000	T 8050.000	T 8058.000	T 7956.000	602.700
2	17:37:28	T 90.141%	0.000	9.485	223.700	T 12540.000	T 7913.000	T 7940.000	T 7925.000	598.000
3	17:38:32	T 88.083%	0.000	9.694	234.400	T 13230.000	T 8344.000	T 8270.000	T 8139.000	598.500
x		T 89.028%	0.000	9.508	229.200	T 12830.000	T 8102.000	T 8089.000	T 8007.000	599.700
σ		T 1.039%	0.000	0.176	5.354	T 358.200	T 220.300	T 167.300	T 115.700	2.600
%RSD		T 1.167	0.000	1.849	2.336	T 2.791	T 2.719	T 2.068	T 1.446	0.434
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:36:25	0.000	0.000	TM 46120.000	16650.000	85.129%	0.000	20.070	20.170	14.350
2	17:37:28	0.000	0.000	TM 46060.000	16350.000	87.311%	0.000	19.130	20.270	11.540
3	17:38:32	0.000	0.000	TM 47860.000	16480.000	87.887%	0.000	19.820	19.990	10.070
x		0.000	0.000	TM 46680.000	16490.000	86.776%	0.000	19.670	20.140	11.990
σ		0.000	0.000	TM 1022.000	150.300	1.455%	0.000	0.488	0.144	2.174
%RSD		0.000	0.000	TM 2.190	0.911	1.676	0.000	2.479	0.713	18.140
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:36:25	1749.000	66.730	T 1839.000	45.830	18.860	19.910	21.880	46.770	42.010
2	17:37:28	1716.000	65.410	T 1790.000	44.520	18.840	17.920	21.900	45.620	41.740
3	17:38:32	1736.000	66.410	T 1837.000	45.710	18.360	18.760	21.800	45.520	43.440
x		1733.000	66.180	T 1822.000	45.350	18.690	18.870	21.860	45.970	42.400
σ		16.600	0.686	T 27.780	0.725	0.283	1.001	0.053	0.695	0.915
%RSD		0.958	1.036	T 1.525	1.599	1.515	5.307	0.240	1.511	2.158
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:36:25	43.790	10.410	10.570	10.830	87.897%	94.910	93.190	9.135	-1.306
2	17:37:28	42.490	10.120	10.370	10.750	90.764%	94.130	92.910	9.201	-1.572
3	17:38:32	43.460	10.150	10.530	11.200	90.839%	95.320	92.570	9.181	-1.826
x		43.250	10.230	10.490	10.930	89.833%	94.790	92.890	9.172	-1.568
σ		0.677	0.158	0.107	0.238	1.678%	0.604	0.310	0.034	0.260
%RSD		1.565	1.543	1.023	2.181	1.868	0.637	0.334	0.370	16.580
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:36:25	9.166	9.513	9.283	90.008%	21.010	21.050	265.200	255.600	94.125%
2	17:37:28	9.258	9.777	9.402	91.284%	21.230	21.230	262.000	257.100	96.366%
3	17:38:32	9.573	9.983	9.579	91.691%	21.660	21.530	265.700	257.400	97.080%
x		9.332	9.758	9.421	90.994%	21.300	21.270	264.300	256.700	95.857%
σ		0.213	0.235	0.149	0.878%	0.334	0.244	1.992	0.993	1.542%
%RSD		2.287	2.411	1.580	0.965	1.568	1.146	0.754	0.387	1.609
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:36:25	10.650	10.750	9.952	9.625	11.230	93.664%	0.000	10.070	9.803
2	17:37:28	10.330	10.320	9.432	9.345	10.900	96.976%	0.000	9.738	9.303
3	17:38:32	10.380	10.420	9.758	9.386	11.200	95.400%	0.000	9.752	9.299
x		10.450	10.500	9.714	9.452	11.110	95.347%	0.000	9.855	9.468
σ		0.176	0.224	0.263	0.151	0.182	1.657%	0.000	0.190	0.290
%RSD		1.688	2.134	2.703	1.601	1.636	1.737	0.000	1.929	3.059

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:59	T 87.910%	0.000	-0.068	30.200	T 8075.000	T 3131.000	3061.000	3042.000	669.700
2	17:45:03	T 87.337%	0.000	-0.061	28.850	T 8089.000	T 3125.000	3027.000	3036.000	668.400
3	17:46:06	T 87.200%	0.000	-0.110	30.070	T 8081.000	T 3149.000	3073.000	2999.000	672.300
x		T 87.482%	0.000	-0.079	29.710	T 8081.000	T 3135.000	3054.000	3026.000	670.100
σ		T 0.376%	0.000	0.027	0.746	T 7.027	T 12.530	23.820	23.320	1.966
%RSD		T 0.430	0.000	33.620	2.512	T 0.087	T 0.400	0.780	0.771	0.293
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:59	0.000	0.000	T 22500.000	10770.000	85.299%	0.000	2.195	2.297	14.290
2	17:45:03	0.000	0.000	T 22860.000	10850.000	84.911%	0.000	2.020	2.359	11.540
3	17:46:06	0.000	0.000	T 22770.000	10840.000	84.171%	0.000	2.072	2.272	9.945
x		0.000	0.000	T 22710.000	10820.000	84.793%	0.000	2.096	2.309	11.930
σ		0.000	0.000	T 191.400	45.900	0.573%	0.000	0.090	0.045	2.199
%RSD		0.000	0.000	T 0.843	0.424	0.676	0.000	4.282	1.944	18.440
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:59	2188.000	66.080	T 2343.000	1.251	1.266	2.578	4.398	59.090	50.000
2	17:45:03	2211.000	67.200	T 2345.000	1.224	1.389	3.010	4.620	60.480	50.520
3	17:46:06	2242.000	67.440	T 2378.000	1.237	1.272	2.585	4.623	61.250	51.350
x		2214.000	66.910	T 2355.000	1.237	1.309	2.724	4.547	60.280	50.620
σ		27.310	0.726	T 19.770	0.013	0.070	0.248	0.129	1.095	0.678
%RSD		1.234	1.085	T 0.839	1.083	5.319	9.095	2.841	1.817	1.340
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:59	53.400	2.836	0.259	0.653	87.544%	1.710	2.603	-0.082	-1.534
2	17:45:03	54.700	2.809	0.720	0.961	88.876%	1.676	2.542	-0.084	-2.348
3	17:46:06	55.970	2.879	0.996	1.021	89.285%	1.622	2.500	-0.082	-2.046
x		54.690	2.841	0.658	0.878	88.568%	1.669	2.548	-0.083	-1.976
σ		1.284	0.035	0.372	0.198	0.911%	0.045	0.052	0.002	0.412
%RSD		2.347	1.238	56.540	22.490	1.028	2.677	2.040	1.942	20.830
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:59	-0.074	0.133	0.149	88.622%	1.313	1.300	47.960	49.480	94.361%
2	17:45:03	-0.070	0.228	0.176	88.264%	1.151	1.134	48.160	49.230	92.898%
3	17:46:06	-0.077	0.197	0.153	89.933%	1.068	1.056	47.030	49.080	92.182%
x		-0.074	0.186	0.159	88.940%	1.177	1.164	47.720	49.260	93.147%
σ		0.003	0.048	0.014	0.879%	0.125	0.125	0.607	0.203	1.110%
%RSD		4.541	25.940	9.018	0.988	10.580	10.710	1.272	0.411	1.192
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:43:59	0.290	0.276	0.100	0.227	5.669	93.792%	0.000	0.800	0.591
2	17:45:03	0.262	0.260	0.116	0.224	5.745	92.670%	0.000	0.777	0.597
3	17:46:06	0.244	0.240	0.110	0.215	5.693	94.335%	0.000	0.759	0.585
x		0.265	0.259	0.109	0.222	5.702	93.599%	0.000	0.779	0.591
σ		0.023	0.018	0.008	0.006	0.039	0.849%	0.000	0.021	0.006
%RSD		8.717	6.991	7.113	2.885	0.677	0.907	0.000	2.680	1.058

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:35	T 88.756%	0.000	9.431	223.000	T 13600.000	T 8089.000	T 8072.000	T 8101.000	T 1033.000
2	17:52:38	T 87.624%	0.000	10.180	227.800	T 14080.000	T 8346.000	T 8310.000	T 8291.000	T 1032.000
3	17:53:42	T 87.989%	0.000	9.935	226.000	T 14070.000	T 8343.000	T 8370.000	T 8275.000	T 1062.000
x		T 88.123%	0.000	9.848	225.600	T 13910.000	T 8259.000	T 8251.000	T 8222.000	T 1042.000
σ		T 0.578%	0.000	0.381	2.443	T 270.800	T 147.800	T 157.700	T 105.300	T 16.770
%RSD		T 0.656	0.000	3.869	1.083	T 1.946	T 1.790	T 1.911	T 1.280	T 1.609
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:35	0.000	0.000	TM 27680.000	16560.000	85.395%	0.000	20.950	21.160	12.180
2	17:52:38	0.000	0.000	TM 28490.000	16470.000	86.062%	0.000	21.010	21.210	9.518
3	17:53:42	0.000	0.000	TM 28500.000	16720.000	85.003%	0.000	21.460	21.480	7.708
x		0.000	0.000	TM 28230.000	16580.000	85.487%	0.000	21.140	21.290	9.801
σ		0.000	0.000	TM 472.900	127.800	0.535%	0.000	0.280	0.174	2.248
%RSD		0.000	0.000	TM 1.675	0.771	0.626	0.000	1.326	0.818	22.940
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:51:35	3630.000	81.580	T 3797.000	45.730	20.620	20.480	23.630	70.850	60.240
2	17:52:38	3663.000	82.520	T 3801.000	46.390	20.500	21.520	24.110	71.870	61.650
3	17:53:42	3702.000	82.510	T 3872.000	47.250	20.000	21.300	23.890	73.580	63.550
x		3665.000	82.200	T 3823.000	46.460	20.370	21.100	23.880	72.100	61.810
σ		35.940	0.542	T 42.460	0.764	0.329	0.548	0.239	1.381	1.661
%RSD		0.981	0.659	T 1.111	1.644	1.617	2.597	1.002	1.915	2.688
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:51:35	64.700	11.980	10.540	10.740	87.485%	97.730	96.640	9.251	-0.798
2	17:52:38	65.100	11.680	10.500	10.630	89.653%	97.980	95.690	9.498	-1.312
3	17:53:42	67.670	12.090	10.860	11.460	90.423%	96.680	94.830	9.437	0.262
x		65.830	11.920	10.630	10.940	89.187%	97.460	95.720	9.395	-0.616
σ		1.614	0.211	0.195	0.452	1.524%	0.687	0.905	0.129	0.802
%RSD		2.452	1.770	1.834	4.131	1.708	0.705	0.945	1.373	130.300
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:51:35	9.397	9.750	9.844	90.611%	21.270	21.360	282.200	272.100	94.061%
2	17:52:38	9.535	9.985	9.568	91.384%	21.410	21.380	284.600	274.400	95.211%
3	17:53:42	9.379	9.939	9.639	92.064%	21.350	21.330	281.300	273.200	95.307%
x		9.437	9.891	9.684	91.353%	21.340	21.360	282.700	273.200	94.859%
σ		0.086	0.124	0.143	0.727%	0.071	0.027	1.706	1.128	0.693%
%RSD		0.907	1.255	1.478	0.796	0.332	0.125	0.604	0.413	0.731
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	17:51:35	10.870	10.900	10.090	9.891	15.350	94.398%	0.000	9.227	10.080
2	17:52:38	10.810	10.900	9.966	9.748	14.940	95.985%	0.000	9.155	9.887
3	17:53:42	10.840	10.870	10.170	10.140	15.520	94.229%	0.000	9.254	10.090
x		10.840	10.890	10.080	9.927	15.270	94.871%	0.000	9.212	10.020
σ		0.027	0.021	0.105	0.200	0.299	0.969%	0.000	0.051	0.113
%RSD		0.245	0.194	1.042	2.015	1.959	1.021	0.000	0.554	1.125

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:59:11	T 88.896%	0.000	9.945	201.300	T 5392.000	T 5103.000	5145.000	5088.000	410.900
2	18:00:14	T 89.579%	0.000	9.900	201.000	T 5405.000	T 5171.000	5181.000	5203.000	421.600
3	18:01:17	T 90.673%	0.000	9.760	201.200	T 5381.000	T 5155.000	5267.000	5164.000	425.100
x		T 89.716%	0.000	98.684%	100.587%	T 107.848%	T 5143.000	103.955%	103.029%	104.797%
σ		T 0.896%	0.000	n/a	n/a	T n/a	T 35.420	n/a	n/a	n/a
%RSD		T 0.999	0.000	0.980	0.097	T 0.223	T 0.689	1.204	1.140	1.765
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:59:11	0.000	0.000	T 5344.000	5191.000	85.353%	0.000	19.560	19.130	11.060
2	18:00:14	0.000	0.000	T 5319.000	5200.000	85.431%	0.000	19.920	19.490	9.016
3	18:01:17	0.000	0.000	T 5292.000	5185.000	86.295%	0.000	19.800	19.410	8.119
x		0.000	0.000	T 106.364%	103.843%	85.693%	0.000	98.799%	96.727%	9.397
σ		0.000	0.000	T n/a	n/a	0.523%	0.000	n/a	n/a	1.506
%RSD		0.000	0.000	T 0.488	0.153	0.610	0.000	0.918	0.990	16.020
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:59:11	964.200	20.080	T 1035.000	46.520	18.670	17.970	18.820	19.680	20.250
2	18:00:14	952.300	19.970	T 1031.000	47.110	19.130	19.880	19.170	19.840	20.370
3	18:01:17	963.400	20.030	T 1039.000	46.680	18.700	19.200	18.770	20.020	19.490
x		960.000	100.124%	T 103.498%	93.545%	94.156%	95.076%	94.609%	99.232%	100.188%
σ		6.625	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.690	0.273	T 0.382	0.651	1.369	5.105	1.166	0.865	2.400
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:59:11	19.540	9.711	10.180	10.380	85.501%	94.840	93.410	9.722	-0.683
2	18:00:14	19.730	9.638	9.748	10.180	88.072%	96.840	94.760	9.516	-0.986
3	18:01:17	19.620	9.858	10.220	10.290	88.642%	97.720	95.610	9.749	-0.541
x		98.145%	97.357%	100.509%	102.860%	87.405%	96.466%	94.590	96.622%	-0.737
σ		n/a	n/a	n/a	n/a	1.673%	n/a	1.106	n/a	0.227
%RSD		0.477	1.148	2.617	0.963	1.914	1.531	1.169	1.322	30.810
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:59:11	9.876	10.050	10.080	87.601%	16.840	17.030	242.500	235.900	90.986%
2	18:00:14	9.564	10.080	9.918	90.258%	19.080	19.110	236.300	229.700	92.097%
3	18:01:17	9.903	10.290	10.220	90.096%	20.650	20.650	238.400	232.800	93.019%
x		97.811%	101.431%	100.733%	89.318%	94.272%	94.639%	95.640%	93.110%	92.034%
σ		n/a	n/a	n/a	1.489%	n/a	n/a	n/a	n/a	1.018%
%RSD		1.924	1.299	1.523	1.667	10.160	9.601	1.316	1.325	1.106
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:59:11	9.970	10.000	9.820	9.658	9.864	93.039%	0.000	8.117	9.594
2	18:00:14	10.160	10.100	10.000	9.778	9.944	93.069%	0.000	8.997	9.710
3	18:01:17	10.080	10.170	10.070	9.920	10.060	92.534%	0.000	9.678	9.989
x		100.697%	100.914%	99.653%	97.854%	99.550%	92.881%	0.000	8.931	9.764
σ		n/a	n/a	n/a	n/a	n/a	0.301%	0.000	0.782	0.203
%RSD		0.957	0.821	1.311	1.344	0.977	0.324	0.000	8.759	2.083

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:47	T 91.270%	0.000	-0.125	5.059	146.100	-76.260	-134.100	-151.400	-6.394
2	18:07:50	T 90.682%	0.000	-0.150	4.707	136.800	-77.180	-134.900	-152.500	-6.555
3	18:08:53	T 90.229%	0.000	-0.134	4.840	133.900	-78.220	-136.000	-153.600	-6.628
x		T 90.727%	0.000	-0.137	4.869	138.900	-77.220	-135.000	-152.500	-6.526
σ		T 0.522%	0.000	0.013	0.178	6.354	0.981	0.981	1.073	0.120
%RSD		T 0.575	0.000	9.336	3.650	4.574	1.271	0.727	0.703	1.834
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:06:47	0.000	0.000	123.500	-65.580	83.157%	0.000	0.526	0.011	12.090
2	18:07:50	0.000	0.000	113.200	-68.250	82.984%	0.000	0.202	-0.004	10.540
3	18:08:53	0.000	0.000	106.500	-67.720	83.878%	0.000	0.192	0.002	8.921
x		0.000	0.000	114.400	-67.190	83.340%	0.000	0.307	0.003	10.520
σ		0.000	0.000	8.596	1.414	0.475%	0.000	0.190	0.007	1.587
%RSD		0.000	0.000	7.514	2.104	0.569	0.000	61.970	229.200	15.090
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:06:47	22.870	0.106	-19.460	0.512	-0.155	0.489	-0.359	-0.109	0.071
2	18:07:50	22.540	0.094	-19.500	0.494	-0.230	0.716	-0.344	-0.152	0.072
3	18:08:53	22.160	0.078	-20.670	0.496	-0.189	0.563	-0.297	-0.123	-0.162
x		22.520	0.093	-19.870	0.501	-0.191	0.590	-0.333	-0.128	-0.007
σ		0.356	0.014	0.689	0.010	0.038	0.116	0.032	0.022	0.135
%RSD		1.580	14.850	3.466	1.960	19.690	19.660	9.612	17.360	2072.000
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:06:47	-0.205	-0.057	-0.345	0.148	84.933%	1.289	2.157	-0.079	-1.903
2	18:07:50	-0.126	-0.098	-0.265	0.012	85.992%	1.156	2.083	-0.091	-2.036
3	18:08:53	-0.205	-0.097	-0.194	-0.047	85.636%	1.113	1.983	-0.093	-1.719
x		-0.179	-0.084	-0.268	0.038	85.520%	1.186	2.074	-0.088	-1.886
σ		0.045	0.024	0.076	0.100	0.539%	0.092	0.087	0.008	0.159
%RSD		25.320	28.210	28.290	265.300	0.630	7.722	4.199	8.876	8.429
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:06:47	-0.079	-0.040	-0.055	87.551%	1.703	1.697	5.877	9.729	89.298%
2	18:07:50	-0.084	-0.037	-0.054	88.325%	1.479	1.499	5.818	9.717	90.631%
3	18:08:53	-0.080	-0.069	-0.064	88.314%	1.338	1.334	5.794	9.684	91.415%
x		-0.081	-0.049	-0.058	88.064%	1.507	1.510	5.829	9.710	90.448%
σ		0.002	0.017	0.006	0.444%	0.184	0.181	0.042	0.023	1.070%
%RSD		2.798	35.970	10.110	0.504	12.220	12.010	0.729	0.240	1.183
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:06:47	0.190	0.199	0.016	0.130	0.015	91.503%	0.000	0.850	0.269
2	18:07:50	0.159	0.167	0.008	0.127	0.007	92.694%	0.000	0.790	0.267
3	18:08:53	0.144	0.153	0.007	0.127	0.004	94.767%	0.000	0.738	0.265
x		0.164	0.173	0.010	0.128	0.009	92.988%	0.000	0.793	0.267
σ		0.024	0.023	0.005	0.002	0.006	1.651%	0.000	0.056	0.002
%RSD		14.340	13.500	48.310	1.299	68.800	1.776	0.000	7.123	0.738

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:24	T 88.166%	0.000	-0.101	77.260	T 5040.000	T 10080.000	T 10090.000	T 10070.000	437.800
2	18:15:27	T 88.293%	0.000	-0.127	79.290	T 5050.000	T 10180.000	T 10110.000	T 10160.000	437.900
3	18:16:30	T 88.429%	0.000	-0.104	77.680	T 5108.000	T 10300.000	T 10270.000	T 10200.000	438.100
x		T 88.296%	0.000	-0.111	78.080	T 5066.000	T 10190.000	T 10150.000	T 10140.000	437.900
σ		T 0.132%	0.000	0.014	1.070	T 36.550	T 106.500	T 98.540	T 67.760	0.150
%RSD		T 0.149	0.000	12.880	1.370	T 0.722	T 1.045	T 0.970	T 0.668	0.034

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:24	0.000	0.000	TM 43820.000	TM 39850.000	82.853%	0.000	1.399	2.916	12.330
2	18:15:27	0.000	0.000	TM 43830.000	TM 39390.000	84.712%	0.000	1.518	2.841	10.160
3	18:16:30	0.000	0.000	TM 44020.000	TM 39640.000	84.648%	0.000	1.511	3.031	8.997
x		0.000	0.000	TM 43890.000	TM 39630.000	84.071%	0.000	1.476	2.929	10.500
σ		0.000	0.000	TM 114.700	TM 234.600	1.055%	0.000	0.067	0.095	1.692
%RSD		0.000	0.000	TM 0.261	TM 0.592	1.255	0.000	4.518	3.252	16.110

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:24	1091.000	M 290.100	T 1145.000	1.079	0.941	3.227	16.290	M 156.300	M 128.700
2	18:15:27	1072.000	M 285.500	T 1133.000	1.038	0.812	2.735	15.210	M 154.500	M 128.000
3	18:16:30	1085.000	M 288.300	T 1133.000	1.058	0.663	3.922	15.490	M 155.500	M 131.300
x		1083.000	M 287.900	T 1137.000	1.058	0.805	3.295	15.660	M 155.400	M 129.300
σ		9.545	M 2.337	T 6.677	0.020	0.139	0.596	0.558	M 0.908	M 1.742
%RSD		0.882	M 0.812	T 0.587	1.923	17.260	18.090	3.560	M 0.584	M 1.347

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:24	M 139.500	0.709	0.052	0.524	87.179%	6.191	6.839	-0.081	-1.622
2	18:15:27	M 139.100	0.475	0.691	0.972	86.685%	6.051	6.913	-0.084	-1.725
3	18:16:30	M 138.800	0.514	1.072	1.184	87.659%	5.738	6.587	-0.083	-1.999
x		M 139.100	0.566	0.605	0.894	87.174%	5.993	6.780	-0.083	-1.782
σ		M 0.360	0.125	0.515	0.337	0.487%	0.232	0.171	0.001	0.195
%RSD		M 0.259	22.160	85.140	37.730	0.558	3.876	2.516	1.401	10.940

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:24	-0.074	0.117	0.063	86.969%	1.386	1.369	123.600	121.800	93.109%
2	18:15:27	-0.074	0.128	0.097	87.600%	1.233	1.220	123.800	121.300	93.277%
3	18:16:30	-0.076	0.136	0.100	87.915%	1.151	1.151	122.400	121.900	94.071%
x		-0.075	0.127	0.087	87.495%	1.256	1.246	123.300	121.700	93.486%
σ		0.001	0.010	0.020	0.482%	0.119	0.111	0.732	0.319	0.514%
%RSD		1.568	7.726	23.430	0.551	9.500	8.936	0.594	0.262	0.550

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:24	0.358	0.344	0.064	0.174	2.263	93.289%	0.000	0.896	0.298
2	18:15:27	0.318	0.322	0.061	0.178	2.279	94.481%	0.000	0.804	0.296
3	18:16:30	0.309	0.307	0.062	0.181	2.252	93.962%	0.000	0.770	0.297
x		0.328	0.324	0.062	0.178	2.265	93.911%	0.000	0.823	0.297
σ		0.026	0.018	0.002	0.004	0.014	0.598%	0.000	0.065	0.001
%RSD		7.941	5.609	2.796	2.206	0.610	0.637	0.000	7.875	0.256

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:00	T 89.501%	0.000	-0.147	4.160	T 13370.000	T 4464.000	4451.000	4418.000	10.330
2	18:23:03	T 89.919%	0.000	-0.138	3.940	T 13520.000	T 4519.000	4512.000	4456.000	10.280
3	18:24:06	T 90.939%	0.000	-0.135	4.094	T 13720.000	T 4523.000	4513.000	4430.000	9.941
x		T 90.120%	0.000	-0.140	4.065	T 13540.000	T 4502.000	4492.000	4435.000	10.180
σ		T 0.739%	0.000	0.006	0.113	T 179.600	T 33.090	35.140	19.630	0.209
%RSD		T 0.821	0.000	4.646	2.773	T 1.327	T 0.735	0.782	0.443	2.056

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:00	T 0.000	0.000	TM 34440.000	TM 108600.000	83.442%	0.000	0.678	3.524	13.260
2	18:23:03	T 0.000	0.000	TM 35230.000	TM 109600.000	83.700%	0.000	0.679	3.641	10.320
3	18:24:06	T 0.000	0.000	TM 35390.000	TM 108700.000	86.464%	0.000	0.905	3.488	8.190
x		T 0.000	0.000	TM 35020.000	TM 109000.000	84.535%	0.000	0.754	3.551	10.590
σ		T 0.000	0.000	TM 509.500	TM 565.300	1.675%	0.000	0.131	0.080	2.549
%RSD		T 0.000	0.000	TM 1.455	TM 0.519	1.982	0.000	17.300	2.257	24.070
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:22:00	238.700	20.350	206.000	0.669	-2.945	1.840	4.050	M 190.900	M 157.500
2	18:23:03	242.200	20.810	207.700	0.636	-2.919	2.096	4.107	M 193.700	M 160.400
3	18:24:06	232.600	20.320	202.900	0.638	-2.601	2.054	4.153	M 189.200	M 154.600
x		237.800	20.490	205.500	0.647	-2.821	1.997	4.103	M 191.300	M 157.500
σ		4.831	0.273	2.421	0.019	0.192	0.138	0.052	M 2.241	M 2.920
%RSD		2.031	1.331	1.178	2.857	6.788	6.893	1.263	M 1.172	M 1.854
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:22:00	M 169.900	0.362	1.930	2.333	86.582%	1.225	2.030	-0.097	-1.855
2	18:23:03	M 170.800	0.244	1.495	2.089	88.976%	1.233	2.064	-0.095	-1.737
3	18:24:06	M 165.600	0.323	1.965	2.272	87.763%	1.187	2.071	-0.092	-1.882
x		M 168.800	0.309	1.797	2.231	87.774%	1.215	2.055	-0.095	-1.825
σ		M 2.790	0.060	0.262	0.127	1.197%	0.025	0.022	0.003	0.077
%RSD		M 1.654	19.370	14.570	5.682	1.364	2.025	1.063	3.029	4.232
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:22:00	-0.082	-0.039	-0.080	86.611%	0.934	0.919	18.930	21.940	91.964%
2	18:23:03	-0.084	-0.051	-0.083	90.137%	0.911	0.896	18.490	21.820	93.042%
3	18:24:06	-0.085	-0.042	-0.074	90.955%	0.897	0.885	18.250	21.360	93.739%
x		-0.084	-0.044	-0.079	89.234%	0.914	0.900	18.560	21.710	92.915%
σ		0.002	0.006	0.005	2.309%	0.019	0.017	0.348	0.304	0.894%
%RSD		1.799	13.130	5.881	2.587	2.053	1.932	1.878	1.400	0.963
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:22:00	0.237	0.246	0.003	0.126	0.109	93.487%	0.000	0.631	0.270
2	18:23:03	0.253	0.246	0.003	0.124	0.103	93.145%	0.000	0.622	0.269
3	18:24:06	0.213	0.206	0.004	0.124	0.106	93.762%	0.000	0.619	0.268
x		0.234	0.232	0.004	0.125	0.106	93.464%	0.000	0.624	0.269
σ		0.020	0.023	0.001	0.001	0.003	0.309%	0.000	0.006	0.001
%RSD		8.473	9.847	25.010	0.922	3.135	0.331	0.000	0.977	0.299

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:34	T 90.681%	0.000	-0.112	3.137	T 6206.000	T 3031.000	2976.000	2960.000	2.705
2	18:30:37	T 90.755%	0.000	-0.138	3.249	T 6242.000	T 3041.000	2963.000	2925.000	2.233
3	18:31:41	T 91.199%	0.000	-0.116	3.138	T 6293.000	T 3083.000	3015.000	3001.000	2.922
x		T 90.878%	0.000	-0.122	3.175	T 6247.000	T 3052.000	2985.000	2962.000	2.620
σ		T 0.280%	0.000	0.014	0.064	T 43.500	T 27.780	27.010	38.360	0.352
%RSD		T 0.308	0.000	11.340	2.025	T 0.696	T 0.911	0.905	1.295	13.450

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:34	T 0.000	0.000	TM 40520.000	1855.000	85.626%	0.000	1.237	2.016	15.960
2	18:30:37	0.000	0.000	TM 40820.000	1849.000	87.142%	0.000	0.903	2.014	13.050
3	18:31:41	0.000	0.000	TM 41060.000	1839.000	86.577%	0.000	0.749	2.155	11.190
x		T 0.000	0.000	TM 40800.000	1848.000	86.448%	0.000	0.963	2.062	13.400
σ		T 0.000	0.000	TM 269.700	8.214	0.766%	0.000	0.249	0.081	2.407
%RSD		T 0.000	0.000	TM 0.661	0.445	0.886	0.000	25.880	3.929	17.960

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:34	73.030	2.177	7.805	0.496	0.551	1.566	2.058	M 138.400	M 115.500
2	18:30:37	74.100	2.129	7.224	0.508	0.546	1.752	1.859	M 134.700	M 111.100
3	18:31:41	74.290	2.236	7.949	0.498	0.419	1.364	1.871	M 137.600	M 115.200
x		73.810	2.181	7.659	0.501	0.505	1.561	1.929	M 136.900	M 113.900
σ		0.680	0.054	0.384	0.007	0.075	0.194	0.112	M 1.961	M 2.441
%RSD		0.921	2.456	5.013	1.306	14.810	12.420	5.790	M 1.432	M 2.143

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:34	M 122.400	0.302	1.580	1.685	88.161%	0.894	1.777	-0.097	-1.725
2	18:30:37	M 119.700	0.316	1.606	1.946	88.490%	0.903	1.777	-0.098	-1.743
3	18:31:41	M 121.200	0.309	1.904	2.093	88.297%	0.871	1.765	-0.099	-1.763
x		M 121.100	0.309	1.696	1.908	88.316%	0.889	1.773	-0.098	-1.744
σ		M 1.353	0.007	0.180	0.206	0.166%	0.017	0.007	0.001	0.019
%RSD		M 1.118	2.167	10.610	10.820	0.188	1.883	0.404	0.834	1.072

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:34	-0.088	-0.068	-0.102	90.400%	0.880	0.869	5.946	9.858	93.455%
2	18:30:37	-0.089	-0.063	-0.135	90.700%	0.870	0.857	6.005	9.853	93.567%
3	18:31:41	-0.089	-0.063	-0.147	92.160%	0.866	0.849	6.020	9.836	93.197%
x		-0.089	-0.065	-0.128	91.087%	0.872	0.858	5.990	9.849	93.407%
σ		0.001	0.003	0.023	0.941%	0.007	0.010	0.039	0.012	0.190%
%RSD		0.686	4.841	18.120	1.034	0.811	1.184	0.656	0.120	0.203

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:34	0.193	0.181	0.001	0.125	0.029	93.782%	0.000	0.613	0.260
2	18:30:37	0.189	0.182	0.003	0.123	0.030	93.845%	0.000	0.611	0.260
3	18:31:41	0.155	0.169	0.002	0.125	0.033	92.480%	0.000	0.610	0.260
x		0.179	0.177	0.002	0.125	0.031	93.369%	0.000	0.612	0.260
σ		0.021	0.007	0.001	0.001	0.002	0.770%	0.000	0.001	0.000
%RSD		11.630	4.039	43.210	0.966	7.069	0.825	0.000	0.236	0.074

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:37:08	T 89.761%	0.000	-0.128	3.018	T 7555.000	T 3315.000	3263.000	3206.000	0.513
2	18:38:12	T 89.901%	0.000	-0.144	3.277	T 7717.000	T 3354.000	3283.000	3271.000	0.730
3	18:39:15	T 89.788%	0.000	-0.144	3.043	T 7689.000	T 3405.000	3358.000	3329.000	1.382
x		T 89.817%	0.000	-0.139	3.112	T 7654.000	T 3358.000	3302.000	3269.000	0.875
σ		T 0.074%	0.000	0.009	0.143	T 86.400	T 45.090	50.420	61.900	0.452
%RSD		T 0.083	0.000	6.713	4.588	T 1.129	T 1.343	1.527	1.894	51.690

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:37:08	T 0.000	0.000	TM 46670.000	11290.000	84.332%	0.000	1.400	1.626	16.410
2	18:38:12	T 0.000	0.000	TM 48260.000	11300.000	84.137%	0.000	0.746	1.624	13.850
3	18:39:15	T 0.000	0.000	TM 48090.000	11140.000	85.676%	0.000	0.839	1.602	11.280
x		T 0.000	0.000	TM 47670.000	11240.000	84.715%	0.000	0.995	1.618	13.840
σ		T 0.000	0.000	TM 875.100	90.890	0.838%	0.000	0.354	0.013	2.566
%RSD		T 0.000	0.000	TM 1.836	0.808	0.989	0.000	35.580	0.827	18.540
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:37:08	78.320	3.961	11.190	0.503	-0.171	1.587	2.026	M 158.300	M 129.200
2	18:38:12	80.210	3.976	12.050	0.505	-0.227	0.822	2.263	M 157.600	M 132.600
3	18:39:15	78.050	3.872	11.020	0.504	-0.233	1.110	2.240	M 155.800	M 125.900
x		78.860	3.936	11.420	0.504	-0.211	1.173	2.177	M 157.200	M 129.200
σ		1.178	0.057	0.555	0.001	0.034	0.387	0.131	M 1.263	M 3.350
%RSD		1.494	1.440	4.860	0.207	16.220	32.950	6.011	M 0.803	M 2.592
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:37:08	M 138.000	0.310	1.728	1.761	85.766%	0.871	1.746	-0.099	-1.701
2	18:38:12	M 140.400	0.355	1.992	1.969	85.942%	0.874	1.752	-0.097	-1.821
3	18:39:15	M 136.300	0.326	1.919	1.962	88.120%	0.883	1.749	-0.098	-1.722
x		M 138.300	0.330	1.880	1.897	86.609%	0.876	1.749	-0.098	-1.748
σ		M 2.027	0.023	0.136	0.118	1.311%	0.006	0.003	0.001	0.064
%RSD		M 1.466	6.825	7.251	6.236	1.514	0.686	0.169	1.096	3.676
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:37:08	-0.089	-0.077	-0.158	87.171%	0.867	0.853	7.793	11.440	93.785%
2	18:38:12	-0.090	-0.058	-0.082	88.564%	0.859	0.843	7.835	11.460	92.391%
3	18:39:15	-0.089	-0.069	-0.130	88.845%	0.856	0.842	7.686	11.410	92.049%
x		-0.089	-0.068	-0.123	88.193%	0.861	0.846	7.771	11.430	92.742%
σ		0.001	0.009	0.039	0.897%	0.005	0.006	0.077	0.025	0.919%
%RSD		0.611	13.980	31.250	1.017	0.638	0.754	0.989	0.222	0.991
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:37:08	0.173	0.182	0.004	0.125	0.037	91.542%	0.000	0.611	0.260
2	18:38:12	0.188	0.174	0.000	0.126	0.033	92.723%	0.000	0.609	0.260
3	18:39:15	0.192	0.183	0.003	0.123	0.034	89.382%	0.000	0.607	0.260
x		0.184	0.180	0.002	0.125	0.035	91.216%	0.000	0.609	0.260
σ		0.010	0.005	0.002	0.002	0.002	1.694%	0.000	0.002	0.000
%RSD		5.324	2.936	81.900	1.344	6.500	1.857	0.000	0.291	0.121

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:43	T 87.316%	0.000	-0.127	2.627	T 14940.000	T 5099.000	5109.000	5122.000	6.776
2	18:45:47	T 88.088%	0.000	-0.147	2.364	T 14950.000	T 5096.000	5137.000	5120.000	6.846
3	18:46:50	T 87.563%	0.000	-0.124	2.680	T 15240.000	T 5212.000	5272.000	5176.000	7.110
x		T 87.656%	0.000	-0.132	2.557	T 15040.000	T 5136.000	5173.000	5139.000	6.910
σ		T 0.394%	0.000	0.013	0.170	T 170.200	T 66.290	87.090	31.740	0.176
%RSD		T 0.450	0.000	9.506	6.631	T 1.132	T 1.291	1.684	0.618	2.548

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:43	T 0.000	0.000	TM 35170.000	TM 165100.000	81.174%	0.000	1.014	9.985	14.180
2	18:45:47	T 0.000	0.000	TM 35640.000	TM 164200.000	82.134%	0.000	0.349	9.796	11.190
3	18:46:50	T 0.000	0.000	TM 35660.000	TM 165000.000	83.637%	0.000	0.791	9.596	8.512
x		T 0.000	0.000	TM 35490.000	TM 164800.000	82.315%	0.000	0.718	9.793	11.300
σ		T 0.000	0.000	TM 276.300	TM 482.600	1.242%	0.000	0.339	0.194	2.837
%RSD		T 0.000	0.000	TM 0.779	TM 0.293	1.508	0.000	47.180	1.985	25.120

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:43	230.000	25.050	187.300	0.680	-1.402	5.994	2.809	M 269.200	M 217.900
2	18:45:47	228.000	25.090	188.900	0.683	-1.626	5.525	2.536	M 263.100	M 215.500
3	18:46:50	229.300	25.120	184.100	0.685	-1.399	4.805	2.927	M 262.700	M 215.000
x		229.100	25.090	186.800	0.683	-1.476	5.441	2.757	M 265.000	M 216.100
σ		1.041	0.039	2.431	0.002	0.130	0.599	0.201	M 3.612	M 1.544
%RSD		0.455	0.156	1.301	0.352	8.814	11.010	7.275	M 1.363	M 0.714

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:43	M 236.200	0.310	1.864	1.858	83.829%	1.471	2.296	-0.095	-1.776
2	18:45:47	M 229.600	0.359	1.924	2.135	83.589%	1.428	2.353	-0.093	-1.686
3	18:46:50	M 230.300	0.306	1.820	1.953	84.775%	1.442	2.293	-0.093	-1.673
x		M 232.000	0.325	1.869	1.982	84.064%	1.447	2.314	-0.094	-1.712
σ		M 3.617	0.030	0.052	0.141	0.627%	0.022	0.034	0.001	0.056
%RSD		M 1.559	9.079	2.777	7.106	0.746	1.514	1.464	1.044	3.295

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:43	-0.087	-0.055	-0.077	86.026%	0.860	0.847	31.210	33.580	89.504%
2	18:45:47	-0.085	-0.062	-0.103	84.794%	0.854	0.843	31.830	34.130	89.220%
3	18:46:50	-0.086	-0.051	-0.082	86.388%	0.856	0.833	31.440	33.780	89.821%
x		-0.086	-0.056	-0.087	85.736%	0.857	0.841	31.490	33.830	89.515%
σ		0.001	0.006	0.014	0.836%	0.003	0.007	0.317	0.277	0.300%
%RSD		1.652	10.620	15.790	0.975	0.338	0.867	1.006	0.820	0.336

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:44:43	0.231	0.208	-0.000	0.121	0.177	89.172%	0.000	0.609	0.270
2	18:45:47	0.231	0.222	0.002	0.122	0.185	87.966%	0.000	0.607	0.268
3	18:46:50	0.233	0.203	0.001	0.123	0.183	87.803%	0.000	0.609	0.270
x		0.232	0.211	0.001	0.122	0.182	88.314%	0.000	0.608	0.270
σ		0.001	0.010	0.001	0.001	0.004	0.748%	0.000	0.001	0.001
%RSD		0.621	4.723	162.600	0.604	2.343	0.847	0.000	0.183	0.359

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:18	T 87.926%	0.000	-0.127	3.472	T 12450.000	T 4586.000	4585.000	4521.000	8.465
2	18:53:22	T 87.845%	0.000	-0.147	3.410	T 12570.000	T 4639.000	4641.000	4573.000	8.454
3	18:54:25	T 88.665%	0.000	-0.140	3.072	T 12390.000	T 4626.000	4672.000	4607.000	8.615
x		T 88.145%	0.000	-0.138	3.318	T 12470.000	T 4617.000	4633.000	4567.000	8.511
σ		T 0.452%	0.000	0.010	0.215	T 94.870	T 27.880	44.060	43.480	0.090
%RSD		T 0.513	0.000	7.283	6.482	T 0.761	T 0.604	0.951	0.952	1.058

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:52:18	T 0.000	0.000	TM 36230.000	TM 124300.000	80.021%	0.000	1.142	5.573	12.990
2	18:53:22	T 0.000	0.000	TM 36650.000	TM 124600.000	82.058%	0.000	0.394	5.561	11.100
3	18:54:25	T 0.000	0.000	TM 37220.000	TM 124300.000	81.852%	0.000	0.812	5.696	8.936
x		T 0.000	0.000	TM 36700.000	TM 124400.000	81.310%	0.000	0.783	5.610	11.010
σ		T 0.000	0.000	TM 499.600	TM 189.000	1.121%	0.000	0.375	0.075	2.027
%RSD		T 0.000	0.000	TM 1.361	TM 0.152	1.379	0.000	47.940	1.332	18.410
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:52:18	190.300	24.040	138.300	0.599	-2.383	2.898	2.962	M 216.900	M 177.800
2	18:53:22	185.400	23.540	136.000	0.597	-2.628	3.429	2.801	M 212.600	M 177.100
3	18:54:25	188.800	24.260	136.700	0.604	-2.441	3.849	2.996	M 216.200	M 173.400
x		188.100	23.950	137.000	0.600	-2.484	3.392	2.920	M 215.300	M 176.100
σ		2.483	0.371	1.183	0.003	0.128	0.476	0.104	M 2.342	M 2.402
%RSD		1.320	1.548	0.864	0.560	5.148	14.040	3.565	M 1.088	M 1.364
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:52:18	M 192.900	0.331	1.212	1.532	83.471%	1.182	2.090	-0.092	-1.663
2	18:53:22	M 189.400	0.260	1.737	1.910	83.320%	1.115	2.020	-0.095	-1.282
3	18:54:25	M 189.800	0.294	1.618	1.783	84.122%	1.166	2.033	-0.096	-1.521
x		M 190.700	0.295	1.522	1.742	83.638%	1.154	2.048	-0.094	-1.489
σ		M 1.901	0.036	0.275	0.193	0.426%	0.035	0.037	0.002	0.193
%RSD		M 0.997	12.160	18.080	11.060	0.510	3.046	1.813	1.920	12.940
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:52:18	-0.086	-0.069	-0.075	85.610%	0.852	0.838	24.750	27.640	91.517%
2	18:53:22	-0.085	-0.104	-0.124	86.906%	0.849	0.829	25.000	27.850	90.598%
3	18:54:25	-0.085	-0.064	-0.109	85.954%	0.847	0.832	24.700	27.590	88.565%
x		-0.085	-0.079	-0.103	86.157%	0.850	0.833	24.810	27.690	90.226%
σ		0.001	0.022	0.025	0.671%	0.002	0.005	0.158	0.141	1.511%
%RSD		0.950	27.930	24.320	0.779	0.293	0.568	0.638	0.508	1.674
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:52:18	0.188	0.184	0.005	0.123	0.119	91.283%	0.000	0.607	0.266
2	18:53:22	0.203	0.176	0.004	0.122	0.123	90.599%	0.000	0.606	0.266
3	18:54:25	0.173	0.185	0.003	0.123	0.111	87.795%	0.000	0.607	0.265
x		0.188	0.182	0.004	0.123	0.118	89.892%	0.000	0.607	0.265
σ		0.015	0.005	0.001	0.000	0.006	1.848%	0.000	0.001	0.001
%RSD		8.001	2.700	25.370	0.383	5.272	2.056	0.000	0.104	0.240

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:59:53	T 87.673%	0.000	-0.143	2.273	T 13830.000	T 5243.000	5281.000	5261.000	5.500
2	19:00:56	T 88.238%	0.000	-0.127	1.745	T 13970.000	T 5255.000	5370.000	5267.000	5.442
3	19:02:00	T 88.068%	0.000	-0.121	2.192	T 14170.000	T 5321.000	5393.000	5316.000	5.057
x		T 87.993%	0.000	-0.130	2.070	T 13990.000	T 5273.000	5348.000	5281.000	5.333
σ		T 0.290%	0.000	0.012	0.284	T 167.300	T 41.630	59.420	30.130	0.241
%RSD		T 0.329	0.000	9.020	13.740	T 1.196	T 0.790	1.111	0.571	4.516
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:59:53	T 0.000	0.000	TM 35000.000	TM 164000.000	78.726%	0.000	1.116	7.420	13.460
2	19:00:56	T 0.000	0.000	TM 34550.000	TM 161800.000	80.622%	0.000	0.677	7.375	10.880
3	19:02:00	T 0.000	0.000	TM 35440.000	TM 162800.000	81.166%	0.000	0.960	7.438	8.788
x		T 0.000	0.000	TM 35000.000	TM 162900.000	80.171%	0.000	0.918	7.411	11.040
σ		T 0.000	0.000	TM 446.800	TM 1122.000	1.281%	0.000	0.222	0.032	2.339
%RSD		T 0.000	0.000	TM 1.277	TM 0.689	1.598	0.000	24.240	0.436	21.180
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:59:53	232.400	30.960	188.600	0.634	-3.199	4.309	3.238	M 299.800	M 244.400
2	19:00:56	224.900	30.460	184.400	0.664	-2.922	4.271	3.103	M 290.600	M 236.300
3	19:02:00	225.700	30.580	186.400	0.641	-2.852	4.692	3.158	M 285.700	M 234.500
x		227.700	30.660	186.500	0.646	-2.991	4.424	3.167	M 292.000	M 238.400
σ		4.111	0.264	2.073	0.016	0.183	0.232	0.068	M 7.156	M 5.286
%RSD		1.806	0.862	1.112	2.430	6.131	5.254	2.151	M 2.451	M 2.217
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:59:53	M 262.200	0.320	1.631	1.762	82.795%	1.324	2.205	-0.096	-1.755
2	19:00:56	M 259.000	0.447	1.507	2.008	83.232%	1.362	2.227	-0.096	-1.288
3	19:02:00	M 253.600	0.274	1.711	1.921	82.228%	1.351	2.258	-0.094	-1.932
x		M 258.200	0.347	1.616	1.897	82.752%	1.346	2.230	-0.095	-1.658
σ		M 4.357	0.090	0.102	0.125	0.504%	0.020	0.027	0.001	0.333
%RSD		M 1.687	25.830	6.337	6.584	0.608	1.477	1.194	0.716	20.050
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:59:53	-0.085	-0.052	-0.113	84.382%	0.847	0.835	25.100	28.460	89.864%
2	19:00:56	-0.087	-0.097	-0.087	86.812%	0.850	0.829	24.910	27.720	92.072%
3	19:02:00	-0.083	-0.032	-0.103	84.531%	0.842	0.824	25.680	28.540	87.734%
x		-0.085	-0.060	-0.101	85.242%	0.846	0.830	25.230	28.240	89.890%
σ		0.002	0.033	0.013	1.362%	0.004	0.006	0.401	0.450	2.169%
%RSD		2.359	55.110	12.870	1.598	0.430	0.684	1.590	1.595	2.413
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:59:53	0.201	0.191	0.004	0.123	0.156	88.151%	0.000	0.606	0.266
2	19:00:56	0.202	0.181	0.003	0.124	0.140	89.844%	0.000	0.606	0.266
3	19:02:00	0.209	0.195	0.004	0.126	0.158	87.468%	0.000	0.604	0.267
x		0.204	0.189	0.004	0.124	0.151	88.487%	0.000	0.605	0.266
σ		0.004	0.007	0.001	0.001	0.009	1.223%	0.000	0.001	0.000
%RSD		2.026	3.774	18.180	1.121	6.256	1.382	0.000	0.164	0.164

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:07:28	T 88.845%	0.000	-0.137	1.459	T 6183.000	T 3294.000	3244.000	3179.000	11.340
2	19:08:31	T 89.339%	0.000	-0.137	1.359	T 6321.000	T 3380.000	3347.000	3298.000	11.570
3	19:09:35	T 89.893%	0.000	-0.150	1.479	T 6272.000	T 3381.000	3338.000	3291.000	11.510
x		T 89.359%	0.000	-0.142	1.432	T 6258.000	T 3352.000	3310.000	3256.000	11.470
σ		T 0.524%	0.000	0.008	0.064	T 69.720	T 50.370	56.630	66.630	0.116
%RSD		T 0.587	0.000	5.346	4.492	T 1.114	T 1.503	1.711	2.046	1.010
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:07:28	T 0.000	0.000	TM 41230.000	14280.000	78.496%	0.000	1.135	1.920	14.010
2	19:08:31	T 0.000	0.000	TM 41540.000	14390.000	80.642%	0.000	0.587	1.967	12.440
3	19:09:35	T 0.000	0.000	TM 41540.000	14550.000	80.868%	0.000	0.642	1.878	11.260
x		T 0.000	0.000	TM 41440.000	14410.000	80.002%	0.000	0.788	1.921	12.570
σ		T 0.000	0.000	TM 183.300	135.000	1.309%	0.000	0.302	0.045	1.380
%RSD		T 0.000	0.000	TM 0.442	0.937	1.636	0.000	38.350	2.321	10.980
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:07:28	67.310	2.357	-0.042	0.501	-0.055	0.922	1.352	80.960	66.880
2	19:08:31	65.090	2.317	-1.352	0.492	-0.116	1.371	1.449	76.940	63.420
3	19:09:35	66.260	2.304	-0.107	0.496	-0.080	2.144	1.458	78.070	65.160
x		66.220	2.326	-0.501	0.496	-0.084	1.479	1.420	78.660	65.150
σ		1.111	0.028	0.738	0.005	0.031	0.618	0.059	2.073	1.726
%RSD		1.677	1.189	147.500	0.935	36.880	41.780	4.154	2.635	2.649
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:07:28	70.880	0.127	1.523	1.357	81.848%	0.848	1.748	-0.098	-1.806
2	19:08:31	69.710	0.288	1.309	2.060	83.326%	0.859	1.747	-0.097	-1.588
3	19:09:35	68.500	0.325	1.639	2.142	82.885%	0.866	1.749	-0.098	-1.548
x		69.700	0.247	1.491	1.853	82.686%	0.858	1.748	-0.097	-1.648
σ		1.189	0.105	0.168	0.431	0.759%	0.009	0.001	0.001	0.139
%RSD		1.707	42.610	11.240	23.260	0.918	1.055	0.047	0.654	8.418
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:07:28	-0.087	-0.061	-0.132	83.834%	0.840	0.822	7.066	10.820	89.507%
2	19:08:31	-0.087	-0.082	-0.151	85.284%	0.838	0.821	6.972	10.880	89.107%
3	19:09:35	-0.086	-0.079	-0.171	85.189%	0.834	0.820	7.030	10.770	89.698%
x		-0.087	-0.074	-0.151	84.769%	0.837	0.821	7.023	10.820	89.437%
σ		0.001	0.011	0.020	0.811%	0.003	0.001	0.047	0.055	0.301%
%RSD		0.620	15.410	13.060	0.957	0.407	0.141	0.675	0.509	0.337
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:07:28	0.114	0.121	0.001	0.125	0.043	89.708%	0.000	0.599	0.260
2	19:08:31	0.124	0.116	0.002	0.125	0.041	89.645%	0.000	0.601	0.260
3	19:09:35	0.123	0.110	0.004	0.123	0.045	87.811%	0.000	0.601	0.260
x		0.120	0.116	0.002	0.124	0.043	89.055%	0.000	0.600	0.260
σ		0.006	0.006	0.002	0.001	0.002	1.077%	0.000	0.001	0.000
%RSD		4.762	4.804	85.650	0.831	4.720	1.210	0.000	0.196	0.017

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:15:03	T 90.233%	0.000	-0.141	0.458	T 1386.000	604.300	527.300	498.900	-2.780
2	19:16:07	T 91.058%	0.000	-0.141	0.451	T 1386.000	598.000	519.300	492.400	-3.275
3	19:17:10	T 90.126%	0.000	-0.141	0.357	T 1394.000	611.900	536.100	508.800	-3.237
x		T 90.473%	0.000	-0.141	0.422	T 1389.000	604.700	527.600	500.000	-3.098
σ		T 0.510%	0.000	0.000	0.056	T 4.291	6.974	8.427	8.272	0.276
%RSD		T 0.564	0.000	0.102	13.310	T 0.309	1.153	1.597	1.654	8.894

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:15:03	0.000	0.000	T 8599.000	2782.000	78.445%	0.000	0.600	0.649	15.490
2	19:16:07	0.000	0.000	T 8498.000	2675.000	81.604%	0.000	0.715	0.364	12.630
3	19:17:10	0.000	0.000	T 8651.000	2712.000	81.678%	0.000	0.502	0.340	11.360
x		0.000	0.000	T 8583.000	2723.000	80.576%	0.000	0.606	0.451	13.160
σ		0.000	0.000	T 77.890	54.070	1.846%	0.000	0.107	0.172	2.117
%RSD		0.000	0.000	T 0.908	1.986	2.291	0.000	17.660	38.090	16.090

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:15:03	30.840	0.575	-19.300	0.474	-0.094	0.569	0.046	16.970	14.040
2	19:16:07	30.240	0.577	-20.730	0.479	-0.201	0.977	-0.123	16.400	13.970
3	19:17:10	29.160	0.536	-20.770	0.476	-0.119	1.020	-0.197	16.200	14.060
x		30.080	0.563	-20.270	0.477	-0.138	0.855	-0.091	16.520	14.020
σ		0.849	0.023	0.840	0.002	0.056	0.249	0.125	0.399	0.047
%RSD		2.821	4.071	4.143	0.522	40.310	29.110	136.200	2.415	0.336

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:15:03	15.370	-0.103	-0.078	0.364	84.303%	0.813	1.689	-0.098	-1.898
2	19:16:07	14.450	-0.059	0.434	0.177	81.783%	0.825	1.684	-0.100	-1.682
3	19:17:10	14.200	-0.121	0.064	0.036	83.667%	0.801	1.678	-0.097	-1.515
x		14.670	-0.094	0.140	0.192	83.251%	0.813	1.684	-0.098	-1.698
σ		0.620	0.032	0.264	0.165	1.310%	0.012	0.006	0.001	0.192
%RSD		4.227	34.120	188.300	85.580	1.574	1.489	0.333	1.420	11.310

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:15:03	-0.089	-0.060	-0.077	85.611%	0.826	0.811	5.967	9.849	89.075%
2	19:16:07	-0.089	-0.074	-0.080	84.971%	0.821	0.810	5.991	9.831	89.543%
3	19:17:10	-0.089	-0.093	-0.113	86.047%	0.824	0.821	5.987	9.822	89.242%
x		-0.089	-0.075	-0.090	85.543%	0.824	0.814	5.982	9.834	89.286%
σ		0.000	0.017	0.020	0.541%	0.002	0.006	0.013	0.014	0.237%
%RSD		0.359	21.940	22.150	0.633	0.263	0.743	0.214	0.139	0.265

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:15:03	0.065	0.054	-0.000	0.122	0.005	89.730%	0.000	0.593	0.260
2	19:16:07	0.056	0.056	0.005	0.120	0.003	90.495%	0.000	0.595	0.261
3	19:17:10	0.061	0.051	-0.001	0.123	0.005	88.923%	0.000	0.594	0.260
x		0.061	0.054	0.001	0.122	0.004	89.716%	0.000	0.594	0.260
σ		0.005	0.003	0.003	0.001	0.001	0.786%	0.000	0.001	0.000
%RSD		7.751	4.957	275.300	0.915	27.330	0.876	0.000	0.163	0.107

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:22:39	T 86.984%	0.000	9.228	194.700	T 11010.000	T 8039.000	T 8100.000	T 7925.000	449.400
2	19:23:45	T 88.048%	0.000	9.006	194.300	T 11020.000	T 7956.000	T 7977.000	T 7911.000	459.300
3	19:24:49	T 85.468%	0.000	9.594	196.900	T 11330.000	T 8253.000	T 8271.000	T 8199.000	449.000
x		T 86.833%	0.000	9.276	195.300	T 11120.000	T 8083.000	T 8116.000	T 8011.000	452.500
σ		T 1.297%	0.000	0.297	1.398	T 181.100	T 153.000	T 147.200	T 162.600	5.846
%RSD		T 1.493	0.000	3.200	0.716	T 1.629	T 1.893	T 1.813	T 2.030	1.292

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:22:39	T 0.000	0.000	TM 44940.000	19650.000	76.855%	0.000	20.610	20.570	21.060
2	19:23:45	T 0.000	0.000	TM 43670.000	19840.000	75.802%	0.000	20.600	20.840	20.150
3	19:24:49	T 0.000	0.000	TM 45960.000	19800.000	77.012%	0.000	19.870	20.360	18.010
x		T 0.000	0.000	TM 44860.000	19760.000	76.556%	0.000	20.360	20.590	19.740
σ		T 0.000	0.000	TM 1144.000	98.210	0.658%	0.000	0.424	0.243	1.565
%RSD		T 0.000	0.000	TM 2.550	0.497	0.860	0.000	2.083	1.179	7.929
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:22:39	1001.000	22.750	T 1053.000	44.920	17.710	18.810	19.920	97.740	84.240
2	19:23:45	1012.000	23.000	T 1059.000	46.020	18.200	20.650	20.120	99.400	84.540
3	19:24:49	993.000	22.560	T 1043.000	44.510	18.270	19.780	19.940	97.860	82.130
x		1002.000	22.770	T 1052.000	45.150	18.060	19.750	19.990	98.330	83.640
σ		9.448	0.221	T 7.770	0.781	0.302	0.923	0.113	0.927	1.312
%RSD		0.943	0.972	T 0.739	1.729	1.673	4.674	0.567	0.943	1.569
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:22:39	88.750	9.305	10.390	11.330	80.345%	94.750	93.340	9.129	-0.554
2	19:23:45	90.140	9.602	11.180	11.750	79.995%	95.090	93.650	9.146	-1.556
3	19:24:49	88.600	9.546	11.570	11.740	79.245%	97.640	96.660	9.092	-0.703
x		89.160	9.484	11.050	11.610	79.862%	95.830	94.550	9.122	-0.938
σ		0.847	0.158	0.600	0.238	0.562%	1.578	1.833	0.028	0.540
%RSD		0.950	1.663	5.431	2.049	0.704	1.647	1.938	0.302	57.610
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:22:39	9.440	10.060	9.513	84.348%	21.190	21.050	235.400	228.700	89.339%
2	19:23:45	9.336	9.846	9.571	83.831%	21.630	21.730	237.300	227.900	87.479%
3	19:24:49	9.393	9.674	9.620	83.347%	22.170	21.840	238.900	231.600	87.159%
x		9.390	9.859	9.568	83.842%	21.660	21.540	237.200	229.400	87.992%
σ		0.052	0.192	0.053	0.501%	0.488	0.426	1.744	1.964	1.177%
%RSD		0.555	1.943	0.559	0.597	2.252	1.979	0.735	0.856	1.338
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:22:39	10.530	10.450	9.878	9.698	9.994	88.374%	0.000	10.110	9.711
2	19:23:45	10.740	10.710	9.935	9.876	9.970	87.008%	0.000	10.240	10.020
3	19:24:49	10.510	10.540	9.990	9.869	9.883	86.380%	0.000	10.120	9.456
x		10.590	10.560	9.934	9.814	9.949	87.254%	0.000	10.160	9.729
σ		0.126	0.133	0.056	0.101	0.058	1.019%	0.000	0.071	0.283
%RSD		1.191	1.260	0.565	1.024	0.584	1.168	0.000	0.696	2.905

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:30:17	T 89.057%	0.000	9.768	194.800	T 5236.000	T 4888.000	4859.000	4794.000	430.000
2	19:31:21	T 89.149%	0.000	9.618	199.800	T 5277.000	T 4960.000	4947.000	4859.000	423.900
3	19:32:24	T 89.165%	0.000	9.455	198.900	T 5304.000	T 4958.000	4994.000	4897.000	432.400
x		T 89.124%	0.000	96.137%	98.900%	T 105.447%	T 4935.000	98.659%	96.997%	107.196%
σ		T 0.058%	0.000	n/a	n/a	T n/a	T 41.070	n/a	n/a	n/a
%RSD		T 0.065	0.000	1.629	1.347	T 0.643	T 0.832	1.389	1.078	1.023
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:30:17	0.000	0.000	T 5093.000	5296.000	78.088%	0.000	20.450	19.460	20.620
2	19:31:21	0.000	0.000	T 5090.000	5361.000	79.124%	0.000	20.630	19.310	17.070
3	19:32:24	0.000	0.000	T 5152.000	5374.000	79.219%	0.000	20.310	19.230	15.810
x		0.000	0.000	T 102.237%	106.878%	78.811%	0.000	102.303%	96.673%	17.830
σ		0.000	0.000	T n/a	n/a	0.627%	0.000	n/a	n/a	2.490
%RSD		0.000	0.000	T 0.680	0.781	0.796	0.000	0.774	0.598	13.960
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:30:17	981.800	20.480	T 1061.000	46.920	18.800	20.350	18.710	19.960	19.980
2	19:31:21	970.000	20.380	T 1060.000	46.350	18.740	19.590	18.690	19.840	20.040
3	19:32:24	976.800	20.200	T 1060.000	46.720	18.660	19.760	19.060	19.870	19.580
x		976.200	101.760%	T 106.049%	93.320%	93.668%	99.496%	94.095%	99.456%	99.346%
σ		5.909	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.605	0.697	T 0.076	0.618	0.386	1.987	1.110	0.290	1.259
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:30:17	20.230	9.735	10.600	10.600	79.376%	98.910	97.000	9.747	-1.597
2	19:31:21	19.870	10.030	10.750	10.790	79.961%	99.800	98.270	9.764	-0.892
3	19:32:24	20.310	9.681	10.300	10.260	81.839%	99.390	98.020	9.601	-1.273
x		100.676%	98.154%	105.480%	105.493%	80.392%	99.368%	97.760	97.039%	-1.254
σ		n/a	n/a	n/a	n/a	1.287%	n/a	0.672	n/a	0.353
%RSD		1.157	1.919	2.147	2.544	1.601	0.452	0.687	0.919	28.140
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:30:17	10.020	10.680	10.400	82.738%	17.960	17.710	246.800	241.900	87.535%
2	19:31:21	9.968	10.490	10.080	84.430%	20.270	20.110	245.800	239.800	88.641%
3	19:32:24	9.743	10.390	10.180	85.666%	20.990	20.960	241.500	236.700	88.623%
x		99.090%	105.185%	102.228%	84.278%	98.706%	97.971%	97.877%	95.789%	88.266%
σ		n/a	n/a	n/a	1.470%	n/a	n/a	n/a	n/a	0.633%
%RSD		1.471	1.409	1.605	1.744	8.045	8.586	1.149	1.076	0.718
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:30:17	10.180	10.320	10.190	9.984	10.230	87.629%	0.000	8.346	9.781
2	19:31:21	10.200	10.330	10.250	10.030	10.200	88.561%	0.000	9.163	9.818
3	19:32:24	10.360	10.350	10.420	10.210	10.400	86.059%	0.000	9.787	10.140
x		102.452%	103.358%	102.835%	100.740%	102.756%	87.416%	0.000	9.099	9.912
σ		n/a	n/a	n/a	n/a	n/a	1.265%	0.000	0.723	0.196
%RSD		0.966	0.121	1.155	1.208	1.038	1.447	0.000	7.944	1.978

CCB 11/03/2010 07:36:51 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:54	T 90.912%	0.000	-0.141	3.478	166.200	-76.490	-133.900	-151.100	-6.622
2	19:38:57	T 89.919%	0.000	-0.121	2.950	163.600	-76.770	-133.500	-151.700	-6.687
3	19:40:01	T 90.217%	0.000	-0.144	2.556	154.800	-77.740	-135.300	-153.100	-6.856
x		T 90.349%	0.000	-0.135	2.994	161.600	-77.000	-134.200	-152.000	-6.722
σ		T 0.509%	0.000	0.012	0.463	5.952	0.652	0.923	1.013	0.121
%RSD		T 0.564	0.000	9.040	15.450	3.684	0.846	0.687	0.666	1.799
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:54	0.000	0.000	170.800	-56.080	77.461%	0.000	0.898	0.084	21.370
2	19:38:57	0.000	0.000	163.700	-58.240	77.344%	0.000	1.060	0.004	16.660
3	19:40:01	0.000	0.000	154.600	-63.730	78.115%	0.000	0.986	0.015	14.250
x		0.000	0.000	163.000	-59.350	77.640%	0.000	0.982	0.034	17.430
σ		0.000	0.000	8.096	3.941	0.415%	0.000	0.081	0.043	3.618
%RSD		0.000	0.000	4.966	6.640	0.535	0.000	8.262	126.600	20.760
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:37:54	21.210	0.078	-21.210	0.500	-0.124	1.262	-0.401	-0.124	0.260
2	19:38:57	21.670	0.089	-20.790	0.502	-0.209	0.666	-0.355	-0.171	0.138
3	19:40:01	21.470	0.089	-21.600	0.497	-0.204	0.861	-0.399	-0.175	0.435
x		21.450	0.085	-21.200	0.500	-0.179	0.930	-0.385	-0.157	0.278
σ		0.232	0.006	0.408	0.003	0.048	0.304	0.026	0.028	0.150
%RSD		1.080	7.404	1.924	0.533	26.710	32.670	6.814	18.040	53.880
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:37:54	-0.103	0.018	-0.183	-0.197	80.162%	1.299	2.108	-0.084	-1.731
2	19:38:57	-0.190	-0.076	-0.086	-0.097	80.319%	1.146	1.997	-0.090	-1.594
3	19:40:01	-0.166	0.083	0.003	0.009	79.240%	1.111	1.962	-0.090	-1.717
x		-0.153	0.008	-0.088	-0.095	79.907%	1.186	2.022	-0.088	-1.681
σ		0.045	0.080	0.093	0.103	0.583%	0.100	0.076	0.004	0.075
%RSD		29.120	941.900	105.100	108.400	0.729	8.418	3.781	4.076	4.473
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:37:54	-0.082	-0.065	-0.070	82.018%	1.764	1.753	5.850	9.763	86.768%
2	19:38:57	-0.079	-0.070	-0.070	82.734%	1.532	1.510	5.845	9.704	86.587%
3	19:40:01	-0.082	-0.071	-0.068	82.659%	1.375	1.368	5.784	9.722	85.971%
x		-0.081	-0.068	-0.069	82.471%	1.557	1.543	5.826	9.730	86.442%
σ		0.002	0.003	0.001	0.393%	0.196	0.195	0.037	0.030	0.418%
%RSD		2.259	4.601	1.275	0.477	12.560	12.610	0.627	0.311	0.483
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:37:54	0.167	0.162	0.006	0.132	0.003	88.379%	0.000	0.853	0.269
2	19:38:57	0.148	0.166	0.008	0.128	0.004	88.619%	0.000	0.792	0.268
3	19:40:01	0.139	0.138	0.004	0.127	-0.003	88.243%	0.000	0.747	0.266
x		0.151	0.156	0.006	0.129	0.001	88.414%	0.000	0.797	0.268
σ		0.015	0.015	0.002	0.003	0.004	0.190%	0.000	0.053	0.002
%RSD		9.603	9.834	36.150	1.955	284.500	0.215	0.000	6.677	0.666

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:31	T 89.113%	0.000	-0.137	2.854	T 6105.000	T 3055.000	2952.000	2945.000	-2.318
2	19:46:34	T 89.644%	0.000	-0.125	2.653	T 6139.000	T 3064.000	2994.000	2953.000	-2.306
3	19:47:37	T 89.609%	0.000	-0.134	2.125	T 6223.000	T 3097.000	3029.000	2998.000	-2.370
x		T 89.456%	0.000	-0.132	2.544	T 6156.000	T 3072.000	2992.000	2965.000	-2.331
σ		T 0.297%	0.000	0.007	0.376	T 60.870	T 22.020	38.340	28.460	0.034
%RSD		T 0.332	0.000	5.028	14.790	T 0.989	T 0.717	1.282	0.960	1.448
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:31	0.000	0.000	TM 40100.000	1547.000	76.238%	0.000	1.662	1.704	24.240
2	19:46:34	T 0.000	0.000	TM 40200.000	1519.000	78.048%	0.000	1.085	1.585	17.870
3	19:47:37	0.000	0.000	TM 40960.000	1535.000	78.497%	0.000	1.153	1.531	14.260
x		T 0.000	0.000	TM 40420.000	1533.000	77.594%	0.000	1.300	1.607	18.790
σ		T 0.000	0.000	TM 471.700	13.820	1.196%	0.000	0.315	0.089	5.057
%RSD		T 0.000	0.000	TM 1.167	0.901	1.541	0.000	24.240	5.525	26.910
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:31	69.000	1.259	5.491	0.503	0.252	1.692	1.693	M 100.300	84.050
2	19:46:34	67.130	1.185	3.530	0.490	0.200	1.339	1.532	97.810	83.970
3	19:47:37	65.920	1.176	2.248	0.490	0.254	1.111	1.430	98.600	83.040
x		67.350	1.206	3.757	0.494	0.236	1.380	1.552	M 98.910	83.690
σ		1.552	0.045	1.633	0.007	0.031	0.292	0.133	M 1.274	0.559
%RSD		2.304	3.761	43.470	1.470	12.950	21.180	8.551	M 1.288	0.668
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:31	87.420	0.216	1.182	1.700	80.726%	0.993	1.880	-0.095	-1.254
2	19:46:34	87.650	0.187	1.676	1.687	80.859%	0.950	1.829	-0.094	-1.600
3	19:47:37	86.850	0.125	1.554	2.340	80.356%	0.910	1.811	-0.097	-1.778
x		87.310	0.176	1.471	1.909	80.647%	0.951	1.840	-0.095	-1.544
σ		0.414	0.047	0.258	0.373	0.261%	0.042	0.036	0.002	0.266
%RSD		0.475	26.520	17.520	19.550	0.323	4.402	1.937	1.809	17.250
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:31	-0.087	-0.115	-0.136	82.543%	1.296	1.275	5.851	9.700	88.499%
2	19:46:34	-0.088	-0.076	-0.097	83.777%	1.120	1.103	5.777	9.664	88.292%
3	19:47:37	-0.087	-0.047	-0.112	82.184%	1.048	1.025	5.768	9.664	87.231%
x		-0.088	-0.079	-0.115	82.834%	1.155	1.134	5.799	9.676	88.007%
σ		0.001	0.034	0.020	0.836%	0.127	0.128	0.046	0.021	0.680%
%RSD		1.014	43.020	17.110	1.009	11.030	11.290	0.785	0.216	0.773
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:31	0.300	0.281	0.002	0.125	0.016	89.203%	0.000	0.780	0.263
2	19:46:34	0.242	0.223	0.002	0.124	0.013	87.859%	0.000	0.689	0.262
3	19:47:37	0.220	0.211	0.004	0.125	0.012	88.413%	0.000	0.657	0.261
x		0.254	0.238	0.002	0.124	0.014	88.492%	0.000	0.709	0.262
σ		0.041	0.037	0.001	0.001	0.002	0.675%	0.000	0.064	0.001
%RSD		16.300	15.660	42.390	0.448	16.120	0.763	0.000	8.969	0.406

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:06	T 87.300%	0.000	9.002	191.100	T 11590.000	T 7937.000	T 7934.000	T 7783.000	411.000
2	19:54:10	T 87.006%	0.000	9.136	192.700	T 11540.000	T 7902.000	T 7997.000	T 7821.000	412.300
3	19:55:13	T 87.267%	0.000	8.754	194.100	T 11580.000	T 8000.000	T 8011.000	T 7841.000	418.000
x		T 87.191%	0.000	8.964	192.600	T 11570.000	T 7946.000	T 7981.000	T 7815.000	413.800
σ		T 0.161%	0.000	0.194	1.496	T 24.470	T 49.600	T 41.190	T 29.070	3.744
%RSD		T 0.185	0.000	2.161	0.777	T 0.212	T 0.624	T 0.516	T 0.372	0.905
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:06	0.000	0.000	TM 46300.000	6990.000	77.263%	0.000	20.390	19.680	22.790
2	19:54:10	0.000	0.000	TM 47290.000	7079.000	77.222%	0.000	19.720	19.490	19.160
3	19:55:13	0.000	0.000	TM 47560.000	6934.000	78.045%	0.000	19.410	19.420	16.650
x		0.000	0.000	TM 47050.000	7001.000	77.510%	0.000	19.840	19.530	19.540
σ		0.000	0.000	TM 662.900	73.300	0.464%	0.000	0.500	0.136	3.087
%RSD		0.000	0.000	TM 1.409	1.047	0.598	0.000	2.519	0.696	15.800
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:53:06	962.500	20.590	T 1020.000	43.200	17.510	19.020	19.770	M 127.000	M 111.100
2	19:54:10	975.300	20.640	T 1031.000	44.200	17.330	18.980	19.450	M 126.900	M 111.400
3	19:55:13	963.500	20.510	T 1012.000	43.240	17.470	20.140	20.070	M 126.700	M 110.200
x		967.100	20.580	T 1021.000	43.550	17.440	19.380	19.770	M 126.900	M 110.900
σ		7.104	0.063	T 9.722	0.563	0.094	0.663	0.310	M 0.133	M 0.613
%RSD		0.735	0.304	T 0.952	1.293	0.540	3.420	1.568	M 0.105	M 0.552
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:53:06	M 115.300	9.031	11.030	11.640	80.674%	95.280	94.320	9.407	-1.163
2	19:54:10	M 114.600	9.272	12.190	12.380	79.106%	96.480	94.580	9.387	-1.241
3	19:55:13	M 114.500	9.567	12.450	12.600	79.672%	97.000	94.150	9.458	-1.517
x		M 114.800	9.290	11.890	12.200	79.818%	96.250	94.350	9.418	-1.307
σ		M 0.435	0.268	0.757	0.502	0.794%	0.883	0.216	0.036	0.186
%RSD		M 0.379	2.888	6.364	4.109	0.995	0.917	0.229	0.384	14.240
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:53:06	9.554	9.669	9.669	82.278%	22.480	22.360	238.600	232.600	88.607%
2	19:54:10	9.507	9.778	9.639	83.112%	22.330	22.160	234.900	230.600	88.953%
3	19:55:13	9.585	9.566	9.590	82.938%	22.410	22.120	238.000	229.100	86.840%
x		9.549	9.671	9.633	82.776%	22.410	22.210	237.200	230.700	88.133%
σ		0.039	0.106	0.040	0.440%	0.077	0.126	1.963	1.768	1.133%
%RSD		0.409	1.092	0.412	0.532	0.343	0.566	0.828	0.766	1.286
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:53:06	10.750	10.870	10.140	9.815	9.885	87.312%	0.000	9.944	9.412
2	19:54:10	10.840	10.620	9.888	9.653	9.784	87.522%	0.000	9.828	9.400
3	19:55:13	10.630	10.620	9.905	9.938	9.973	85.146%	0.000	9.937	9.534
x		10.740	10.700	9.978	9.802	9.880	86.660%	0.000	9.903	9.449
σ		0.106	0.146	0.142	0.143	0.094	1.316%	0.000	0.065	0.074
%RSD		0.984	1.362	1.421	1.458	0.956	1.518	0.000	0.658	0.781

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:00:43	T 88.775%	0.000	-0.121	3.679	T 5877.000	T 2848.000	2766.000	2698.000	4.289
2	20:01:46	T 90.053%	0.000	-0.118	2.942	T 5823.000	T 2838.000	2741.000	2672.000	4.533
3	20:02:49	T 88.780%	0.000	-0.144	3.078	T 5945.000	T 2869.000	2758.000	2686.000	4.282
x		T 89.203%	0.000	-0.128	3.233	T 5881.000	T 2852.000	2755.000	2685.000	4.368
σ		T 0.737%	0.000	0.014	0.392	T 60.990	T 15.690	13.130	13.170	0.143
%RSD		T 0.826	0.000	10.930	12.130	T 1.037	T 0.550	0.477	0.491	3.270
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:00:43	0.000	0.000	TM 35720.000	6531.000	77.679%	0.000	1.329	2.372	21.330
2	20:01:46	0.000	0.000	TM 35010.000	6478.000	77.869%	0.000	0.775	2.340	16.300
3	20:02:49	0.000	0.000	TM 36310.000	6505.000	78.690%	0.000	1.138	2.303	12.900
x		0.000	0.000	TM 35680.000	6505.000	78.079%	0.000	1.081	2.338	16.840
σ		0.000	0.000	TM 651.100	26.740	0.538%	0.000	0.282	0.035	4.244
%RSD		0.000	0.000	TM 1.825	0.411	0.689	0.000	26.070	1.488	25.200
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:00:43	88.970	2.183	24.390	0.516	0.415	1.781	1.564	M 141.400	M 115.100
2	20:01:46	86.690	2.282	23.400	0.519	0.376	1.940	3.571	M 141.500	M 116.000
3	20:02:49	87.930	2.220	23.450	0.505	0.417	1.341	1.510	M 141.600	M 120.600
x		87.860	2.228	23.750	0.513	0.403	1.687	2.215	M 141.500	M 117.300
σ		1.142	0.050	0.557	0.008	0.023	0.310	1.175	M 0.067	M 2.957
%RSD		1.300	2.245	2.344	1.480	5.692	18.380	53.030	M 0.048	M 2.522
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:00:43	M 126.500	0.157	1.802	1.560	78.696%	0.957	1.865	-0.094	-1.787
2	20:01:46	M 125.500	0.241	1.595	1.941	79.102%	0.987	1.829	-0.093	-1.081
3	20:02:49	M 124.400	0.140	1.700	1.906	80.293%	0.950	1.835	-0.096	-1.500
x		M 125.500	0.179	1.699	1.802	79.364%	0.965	1.843	-0.095	-1.456
σ		M 1.041	0.054	0.103	0.210	0.830%	0.020	0.019	0.001	0.355
%RSD		M 0.830	30.150	6.086	11.670	1.046	2.072	1.034	1.536	24.390
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:00:43	-0.084	-0.055	-0.089	82.624%	0.922	0.901	6.590	10.480	85.793%
2	20:01:46	-0.084	-0.121	-0.180	82.076%	0.902	0.878	6.565	10.450	87.681%
3	20:02:49	-0.084	-0.075	-0.150	81.631%	0.884	0.869	6.548	10.360	85.604%
x		-0.084	-0.084	-0.140	82.111%	0.903	0.882	6.567	10.430	86.359%
σ		0.000	0.033	0.047	0.497%	0.019	0.017	0.021	0.066	1.148%
%RSD		0.042	39.930	33.380	0.605	2.113	1.880	0.321	0.628	1.330
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:00:43	0.182	0.156	0.010	0.127	0.043	85.309%	0.000	0.658	0.266
2	20:01:46	0.168	0.154	0.003	0.128	0.041	86.589%	0.000	0.638	0.264
3	20:02:49	0.151	0.151	0.004	0.127	0.031	85.237%	0.000	0.624	0.264
x		0.167	0.154	0.005	0.127	0.038	85.712%	0.000	0.640	0.265
σ		0.015	0.003	0.004	0.000	0.007	0.761%	0.000	0.017	0.002
%RSD		9.148	1.645	71.380	0.270	16.940	0.888	0.000	2.677	0.603

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:08:19	T 92.538%	0.000	-0.145	2.108	102.100	-79.370	-137.000	-154.300	-5.476
2	20:09:22	T 92.399%	0.000	-0.135	2.114	96.580	-80.140	-138.000	-155.500	-5.693
3	20:10:26	T 92.738%	0.000	-0.123	2.016	87.700	-80.460	-138.600	-156.300	-5.761
x		T 92.559%	0.000	-0.134	2.079	95.470	-79.990	-137.900	-155.300	-5.643
σ		T 0.170%	0.000	0.011	0.055	7.278	0.561	0.821	0.979	0.149
%RSD		T 0.184	0.000	8.130	2.652	7.623	0.701	0.595	0.630	2.635
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:08:19	0.000	0.000	232.000	-52.230	78.567%	0.000	0.994	0.412	19.890
2	20:09:22	0.000	0.000	219.700	-54.810	81.994%	0.000	1.152	0.360	14.430
3	20:10:26	0.000	0.000	206.800	-53.810	80.683%	0.000	0.637	0.408	12.590
x		0.000	0.000	219.500	-53.620	80.415%	0.000	0.927	0.393	15.640
σ		0.000	0.000	12.620	1.300	1.729%	0.000	0.264	0.028	3.794
%RSD		0.000	0.000	5.750	2.425	2.150	0.000	28.420	7.220	24.260
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:08:19	89.810	0.377	23.860	0.481	-0.075	1.133	-0.448	0.887	0.899
2	20:09:22	86.830	0.376	21.820	0.476	-0.146	0.853	-0.460	0.787	0.894
3	20:10:26	87.880	0.370	23.290	0.473	-0.090	0.887	-0.452	0.812	1.096
x		88.170	0.375	22.990	0.477	-0.104	0.958	-0.453	0.829	0.963
σ		1.514	0.004	1.053	0.004	0.037	0.153	0.006	0.052	0.115
%RSD		1.717	0.976	4.581	0.838	36.090	15.950	1.406	6.266	11.940
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:08:19	0.774	-0.021	-0.215	0.138	82.886%	0.823	1.719	-0.097	-1.694
2	20:09:22	0.699	-0.097	-0.023	0.007	82.838%	0.821	1.711	-0.097	-1.345
3	20:10:26	0.602	-0.106	-0.315	0.005	85.289%	0.809	1.716	-0.097	-1.529
x		0.691	-0.075	-0.184	0.050	83.671%	0.817	1.715	-0.097	-1.523
σ		0.086	0.047	0.148	0.076	1.402%	0.008	0.004	0.000	0.175
%RSD		12.420	62.470	80.360	153.000	1.675	0.929	0.216	0.306	11.470
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:08:19	-0.087	-0.073	-0.136	84.368%	0.858	0.843	5.714	9.608	89.389%
2	20:09:22	-0.086	-0.105	-0.159	86.767%	0.851	0.835	5.702	9.591	89.884%
3	20:10:26	-0.090	-0.087	-0.116	86.283%	0.847	0.834	5.723	9.599	91.358%
x		-0.087	-0.088	-0.137	85.806%	0.852	0.837	5.713	9.599	90.210%
σ		0.002	0.016	0.021	1.268%	0.006	0.005	0.011	0.008	1.024%
%RSD		2.267	18.390	15.650	1.478	0.652	0.583	0.189	0.086	1.135
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:08:19	0.134	0.119	-0.001	0.121	-0.008	90.116%	0.000	0.607	0.261
2	20:09:22	0.140	0.118	0.001	0.120	-0.007	91.515%	0.000	0.607	0.261
3	20:10:26	0.122	0.112	-0.001	0.122	-0.006	92.012%	0.000	0.606	0.260
x		0.132	0.116	-0.000	0.121	-0.007	91.214%	0.000	0.607	0.261
σ		0.009	0.004	0.001	0.001	0.001	0.983%	0.000	0.001	0.000
%RSD		7.116	3.252	269.500	0.896	15.310	1.078	0.000	0.159	0.171

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:15:53	T 94.003%	0.000	-0.133	1.532	81.100	-81.110	-138.700	-156.700	-6.458
2	20:16:57	T 93.990%	0.000	-0.133	1.377	78.440	-81.090	-139.400	-156.300	-6.511
3	20:18:00	T 94.551%	0.000	-0.142	1.168	68.370	-81.350	-139.100	-156.400	-6.409
x		T 94.182%	0.000	-0.136	1.359	75.970	-81.180	-139.100	-156.500	-6.459
σ		T 0.320%	0.000	0.005	0.183	6.713	0.148	0.336	0.175	0.051
%RSD		T 0.340	0.000	3.982	13.430	8.836	0.182	0.242	0.112	0.797

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:15:53	0.000	0.000	157.500	-63.050	81.430%	0.000	1.249	0.411	19.920
2	20:16:57	0.000	0.000	153.100	-61.020	80.916%	0.000	0.903	0.422	15.220
3	20:18:00	0.000	0.000	148.100	-58.000	81.288%	0.000	0.464	0.373	12.950
x		0.000	0.000	152.900	-60.690	81.211%	0.000	0.872	0.402	16.030
σ		0.000	0.000	4.704	2.538	0.265%	0.000	0.394	0.025	3.554
%RSD		0.000	0.000	3.077	4.182	0.327	0.000	45.150	6.337	22.180

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:15:53	44.900	0.256	-25.680	0.471	-0.097	1.072	-0.318	0.778	1.080
2	20:16:57	45.090	0.261	-25.290	0.474	-0.116	0.995	-0.421	0.593	0.988
3	20:18:00	45.250	0.252	-25.530	0.474	-0.104	0.917	-0.398	0.668	0.966
x		45.080	0.257	-25.500	0.473	-0.106	0.995	-0.379	0.680	1.011
σ		0.179	0.004	0.195	0.002	0.010	0.078	0.054	0.093	0.061
%RSD		0.398	1.701	0.763	0.381	9.020	7.828	14.280	13.670	5.996

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:15:53	0.631	-0.009	-0.287	0.161	83.878%	0.803	1.693	-0.098	-1.700
2	20:16:57	0.489	0.004	-0.222	0.086	83.235%	0.798	1.683	-0.098	-1.718
3	20:18:00	0.620	-0.110	-0.310	-0.074	84.946%	0.790	1.682	-0.096	-1.626
x		0.580	-0.039	-0.273	0.058	84.020%	0.797	1.686	-0.097	-1.681
σ		0.079	0.062	0.046	0.120	0.864%	0.006	0.006	0.001	0.049
%RSD		13.620	162.200	16.710	207.900	1.028	0.798	0.363	0.956	2.900

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:15:53	-0.089	-0.066	-0.129	86.264%	0.845	0.831	5.696	9.602	90.973%
2	20:16:57	-0.088	-0.069	-0.154	86.311%	0.843	0.825	5.707	9.584	91.357%
3	20:18:00	-0.087	-0.081	-0.170	87.555%	0.846	0.823	5.701	9.573	92.083%
x		-0.088	-0.072	-0.151	86.710%	0.845	0.826	5.702	9.586	91.471%
σ		0.001	0.008	0.021	0.732%	0.002	0.004	0.005	0.014	0.564%
%RSD		0.936	11.280	13.780	0.844	0.211	0.495	0.093	0.150	0.616

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:15:53	0.113	0.111	-0.001	0.120	-0.008	92.058%	0.000	0.605	0.260
2	20:16:57	0.126	0.099	-0.001	0.120	-0.006	92.281%	0.000	0.603	0.260
3	20:18:00	0.116	0.104	-0.002	0.120	-0.008	93.907%	0.000	0.602	0.260
x		0.118	0.105	-0.002	0.120	-0.007	92.749%	0.000	0.603	0.260
σ		0.007	0.006	0.001	0.000	0.001	1.009%	0.000	0.001	0.000
%RSD		5.672	5.964	41.180	0.158	15.640	1.088	0.000	0.246	0.070

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:28	T 88.103%	0.000	-0.127	1.837	T 10100.000	T 4389.000	4382.000	4327.000	169.600
2	20:24:31	T 89.413%	0.000	-0.118	1.736	T 10080.000	T 4362.000	4359.000	4286.000	171.700
3	20:25:35	T 87.790%	0.000	-0.114	1.653	T 10180.000	T 4422.000	4392.000	4305.000	171.200
x		T 88.435%	0.000	-0.120	1.742	T 10120.000	T 4391.000	4378.000	4306.000	170.800
σ		T 0.861%	0.000	0.007	0.093	T 54.990	T 30.330	17.040	20.610	1.075
%RSD		T 0.974	0.000	5.685	5.319	T 0.543	T 0.691	0.389	0.479	0.629

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:28	T 0.000	0.000	TM 32580.000	TM 116700.000	75.178%	0.000	1.760	11.190	19.750
2	20:24:31	T 0.000	0.000	TM 32590.000	TM 117000.000	75.440%	0.000	1.287	11.400	14.270
3	20:25:35	T 0.000	0.000	TM 33270.000	TM 117000.000	75.696%	0.000	0.791	11.430	11.670
x		T 0.000	0.000	TM 32820.000	TM 116900.000	75.438%	0.000	1.279	11.340	15.230
σ		T 0.000	0.000	TM 396.500	TM 156.000	0.259%	0.000	0.485	0.130	4.125
%RSD		T 0.000	0.000	TM 1.208	TM 0.134	0.343	0.000	37.900	1.144	27.080
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:23:28	484.800	30.900	515.100	0.813	0.460	6.027	9.359	M 351.100	M 291.500
2	20:24:31	492.000	30.880	514.200	0.785	0.578	5.534	9.264	M 355.600	M 287.800
3	20:25:35	488.800	30.910	511.300	0.793	0.524	6.271	9.546	M 355.200	M 290.900
x		488.500	30.890	513.500	0.797	0.521	5.944	9.390	M 354.000	M 290.100
σ		3.574	0.017	1.994	0.015	0.059	0.375	0.143	M 2.453	M 1.996
%RSD		0.732	0.054	0.388	1.825	11.280	6.315	1.524	M 0.693	M 0.688
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:23:28	M 315.100	0.615	2.925	3.994	81.066%	1.236	2.151	0.082	-1.966
2	20:24:31	M 314.400	0.655	3.095	3.556	82.717%	1.263	2.155	0.063	-2.095
3	20:25:35	M 311.500	0.653	3.163	3.947	81.971%	1.236	2.180	0.079	-2.169
x		M 313.700	0.641	3.061	3.832	81.918%	1.245	2.162	0.074	-2.077
σ		M 1.944	0.022	0.123	0.240	0.826%	0.016	0.016	0.010	0.103
%RSD		M 0.620	3.507	4.008	6.271	1.009	1.260	0.722	13.450	4.962
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:23:28	0.058	0.985	0.942	81.652%	0.869	0.858	30.350	33.070	86.639%
2	20:24:31	0.069	0.973	0.905	82.220%	0.865	0.850	30.760	33.570	87.315%
3	20:25:35	0.082	0.977	0.889	82.528%	0.863	0.847	30.550	33.280	86.934%
x		0.070	0.978	0.912	82.133%	0.866	0.852	30.560	33.310	86.963%
σ		0.012	0.006	0.027	0.445%	0.003	0.006	0.203	0.252	0.339%
%RSD		16.630	0.624	2.978	0.541	0.361	0.668	0.663	0.757	0.390
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:23:28	0.255	0.241	0.017	0.141	3.001	85.516%	0.000	0.648	0.266
2	20:24:31	0.244	0.234	0.024	0.143	2.999	87.214%	0.000	0.640	0.268
3	20:25:35	0.247	0.228	0.020	0.140	3.042	84.607%	0.000	0.642	0.267
x		0.249	0.234	0.021	0.142	3.014	85.779%	0.000	0.643	0.267
σ		0.006	0.007	0.003	0.001	0.024	1.323%	0.000	0.004	0.001
%RSD		2.270	2.790	16.830	0.985	0.807	1.543	0.000	0.600	0.331

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:03	T 89.527%	0.000	-0.118	92.340	T 3287.000	T 5207.000	5235.000	5170.000	161.900
2	20:32:06	T 89.862%	0.000	-0.137	91.810	T 3264.000	T 5216.000	5221.000	5182.000	163.100
3	20:33:10	T 89.903%	0.000	-0.125	91.490	T 3243.000	T 5198.000	5225.000	5173.000	163.100
x		T 89.764%	0.000	-0.127	91.880	T 3265.000	T 5207.000	5227.000	5175.000	162.700
σ		T 0.206%	0.000	0.010	0.431	T 22.140	T 9.107	7.247	6.429	0.701
%RSD		T 0.229	0.000	7.809	0.469	T 0.678	T 0.175	0.139	0.124	0.431

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:03	0.000	0.000	TM 27300.000	TM 45310.000	77.794%	0.000	1.611	3.457	18.870
2	20:32:06	0.000	0.000	TM 27350.000	TM 44760.000	78.477%	0.000	1.418	3.555	16.260
3	20:33:10	0.000	0.000	TM 27230.000	TM 44820.000	78.397%	0.000	0.980	3.548	14.760
x		0.000	0.000	TM 27290.000	TM 44960.000	78.223%	0.000	1.336	3.520	16.630
σ		0.000	0.000	TM 63.820	TM 299.800	0.373%	0.000	0.323	0.055	2.084
%RSD		0.000	0.000	TM 0.234	TM 0.667	0.477	0.000	24.190	1.548	12.530

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:03	466.300	M 289.600	506.500	0.703	0.275	2.802	9.187	76.420	66.120
2	20:32:06	471.900	M 289.000	502.400	0.728	0.345	3.169	9.425	75.760	65.490
3	20:33:10	468.100	M 287.100	507.800	0.702	0.080	3.173	9.464	75.290	64.220
x		468.800	M 288.600	505.600	0.711	0.233	3.048	9.358	75.820	65.280
σ		2.816	M 1.285	2.822	0.015	0.138	0.213	0.150	0.567	0.967
%RSD		0.601	M 0.445	0.558	2.067	59.040	6.992	1.600	0.747	1.481

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:03	69.020	0.226	0.703	1.172	82.113%	3.830	4.578	-0.045	-1.454
2	20:32:06	68.520	0.332	1.631	1.966	82.276%	3.868	4.499	-0.037	-1.699
3	20:33:10	68.360	0.259	1.963	2.247	82.653%	3.794	4.610	-0.046	-1.932
x		68.630	0.272	1.433	1.795	82.347%	3.831	4.563	-0.043	-1.695
σ		0.346	0.054	0.653	0.558	0.277%	0.037	0.057	0.005	0.239
%RSD		0.504	19.810	45.580	31.070	0.336	0.965	1.257	11.740	14.100

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:03	-0.048	0.611	0.520	83.005%	0.946	0.925	134.400	131.600	87.441%
2	20:32:06	-0.036	0.531	0.587	82.586%	0.938	0.923	137.100	131.900	88.652%
3	20:33:10	-0.023	0.564	0.541	84.085%	0.931	0.918	132.400	129.100	88.247%
x		-0.036	0.569	0.549	83.226%	0.938	0.922	134.600	130.900	88.114%
σ		0.013	0.041	0.034	0.773%	0.007	0.003	2.403	1.515	0.616%
%RSD		36.520	7.123	6.224	0.929	0.773	0.357	1.785	1.157	0.700

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:03	0.249	0.249	0.013	0.133	3.211	87.701%	0.000	0.644	0.273
2	20:32:06	0.250	0.249	0.013	0.137	3.192	87.011%	0.000	0.638	0.272
3	20:33:10	0.229	0.231	0.017	0.134	3.183	89.050%	0.000	0.639	0.272
x		0.243	0.243	0.014	0.135	3.195	87.920%	0.000	0.641	0.272
σ		0.012	0.011	0.002	0.002	0.014	1.037%	0.000	0.003	0.001
%RSD		4.895	4.354	14.300	1.395	0.447	1.179	0.000	0.495	0.221

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:38	T 86.995%	0.000	-0.083	78.940	T 2922.000	T 8656.000	T 8655.000	T 8563.000	TM 2403.000
2	20:39:41	T 85.826%	0.000	-0.059	77.590	T 2916.000	T 8742.000	T 8704.000	T 8597.000	TM 2423.000
3	20:40:45	T 84.284%	0.000	0.001	81.020	T 2988.000	T 8952.000	T 9052.000	T 8952.000	TM 2427.000
x		T 85.701%	0.000	-0.047	79.180	T 2942.000	T 8783.000	T 8804.000	T 8704.000	TM 2418.000
σ		T 1.360%	0.000	0.044	1.728	T 39.540	T 152.100	T 216.200	T 215.400	TM 12.500
%RSD		T 1.587	0.000	93.140	2.182	T 1.344	T 1.731	T 2.456	T 2.475	TM 0.517

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:38:38	0.000	0.000	TM 59380.000	TM 48250.000	77.193%	0.000	5.125	9.413	22.860
2	20:39:41	0.000	0.000	TM 60920.000	TM 49280.000	76.407%	0.000	4.519	9.458	19.390
3	20:40:45	0.000	0.000	TM 61850.000	TM 48580.000	77.007%	0.000	4.467	9.422	17.140
x		0.000	0.000	TM 60720.000	TM 48700.000	76.869%	0.000	4.704	9.431	19.800
σ		0.000	0.000	TM 1250.000	TM 523.600	0.411%	0.000	0.366	0.024	2.878
%RSD		0.000	0.000	TM 2.059	TM 1.075	0.534	0.000	7.773	0.253	14.540
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:38:38	4296.000	M 293.600	T 4610.000	2.279	5.154	7.905	27.720	M 152.400	M 125.900
2	20:39:41	4398.000	M 300.600	T 4660.000	2.337	4.812	7.149	28.220	M 154.800	M 128.700
3	20:40:45	4418.000	M 302.000	T 4658.000	2.385	5.074	7.035	28.700	M 155.300	M 129.500
x		4371.000	M 298.700	T 4643.000	2.333	5.013	7.363	28.220	M 154.200	M 128.000
σ		65.450	M 4.484	T 28.110	0.053	0.179	0.473	0.488	M 1.548	M 1.859
%RSD		1.497	M 1.501	T 0.605	2.282	3.571	6.419	1.729	M 1.004	M 1.452
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:38:38	M 136.000	0.933	0.230	1.560	97.805%	7.822	8.435	0.290	-2.353
2	20:39:41	M 138.700	0.994	1.059	2.302	98.331%	7.803	8.473	0.305	-2.323
3	20:40:45	M 139.100	0.850	1.300	2.499	97.925%	7.785	8.654	0.241	-2.198
x		M 137.900	0.925	0.863	2.120	98.020%	7.803	8.520	0.279	-2.291
σ		M 1.691	0.072	0.561	0.495	0.276%	0.018	0.117	0.034	0.082
%RSD		M 1.226	7.785	65.050	23.350	0.281	0.236	1.374	12.020	3.600
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:38:38	0.292	3.427	3.214	80.822%	1.086	1.081	120.900	116.800	87.514%
2	20:39:41	0.307	3.559	3.163	80.840%	1.091	1.075	122.000	118.100	87.563%
3	20:40:45	0.280	3.118	3.238	82.757%	1.075	1.057	118.800	116.000	87.442%
x		0.293	3.368	3.205	81.473%	1.084	1.071	120.600	116.900	87.506%
σ		0.013	0.227	0.039	1.112%	0.008	0.013	1.640	1.056	0.061%
%RSD		4.603	6.727	1.208	1.365	0.760	1.177	1.360	0.903	0.069
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:38:38	0.330	0.339	0.108	0.222	19.270	86.143%	0.000	1.192	0.335
2	20:39:41	0.327	0.337	0.111	0.224	19.500	86.217%	0.000	1.187	0.335
3	20:40:45	0.340	0.293	0.119	0.224	19.700	83.596%	0.000	1.199	0.338
x		0.332	0.323	0.112	0.223	19.490	85.319%	0.000	1.193	0.336
σ		0.007	0.026	0.006	0.001	0.217	1.493%	0.000	0.006	0.002
%RSD		2.041	8.107	5.204	0.395	1.112	1.750	0.000	0.518	0.484

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:46:12	T 85.372%	0.000	-0.045	13.870	T 8517.000	T 4497.000	4478.000	4408.000	TM 2386.000
2	20:47:16	T 85.025%	0.000	-0.034	13.430	T 8494.000	T 4524.000	4487.000	4410.000	TM 2363.000
3	20:48:19	T 84.426%	0.000	-0.006	13.830	T 8584.000	T 4540.000	4509.000	4460.000	TM 2326.000
x		T 84.941%	0.000	-0.028	13.710	T 8532.000	T 4520.000	4491.000	4426.000	TM 2359.000
σ		T 0.478%	0.000	0.020	0.244	T 46.440	T 21.980	15.910	29.360	TM 30.130
%RSD		T 0.563	0.000	71.780	1.778	T 0.544	T 0.486	0.354	0.663	TM 1.278

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:46:12	0.000	0.000	T 9011.000	TM 29010.000	76.192%	0.000	5.222	78.060	17.960
2	20:47:16	0.000	0.000	T 9041.000	TM 29330.000	76.286%	0.000	3.509	76.600	15.030
3	20:48:19	0.000	0.000	T 9109.000	TM 29150.000	77.422%	0.000	4.051	75.460	11.540
x		0.000	0.000	T 9054.000	TM 29160.000	76.634%	0.000	4.260	76.710	14.850
σ		0.000	0.000	T 50.610	TM 160.900	0.685%	0.000	0.876	1.300	3.217
%RSD		0.000	0.000	T 0.559	TM 0.552	0.894	0.000	20.550	1.694	21.670

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:46:12	4212.000	76.050	T 4429.000	3.230	34.490	35.350	M 107.200	M 1028.000	M 810.700
2	20:47:16	4191.000	76.450	T 4438.000	3.296	33.650	34.820	M 107.100	M 1014.000	M 801.800
3	20:48:19	4095.000	74.620	T 4316.000	3.228	32.650	34.270	M 106.100	M 1009.000	M 790.600
x		4166.000	75.710	T 4394.000	3.251	33.600	34.810	M 106.800	M 1017.000	M 801.000
σ		62.220	0.960	T 67.960	0.039	0.921	0.542	M 0.612	M 9.994	M 10.090
%RSD		1.494	1.268	T 1.547	1.186	2.740	1.558	M 0.574	M 0.983	M 1.259

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:46:12	M 900.600	-0.039	-4.686	-0.309	294.424%	4.927	5.668	4.242	-5.171
2	20:47:16	M 894.800	0.000	-4.450	-0.146	290.350%	4.862	5.741	4.399	-1.151
3	20:48:19	M 874.100	-0.001	-4.518	-0.111	297.991%	4.938	5.643	4.291	-4.836
x		M 889.800	-0.013	-4.551	-0.189	294.255%	4.909	5.684	4.311	-3.719
σ		M 13.970	0.022	0.122	0.106	3.823%	0.041	0.051	0.081	2.231
%RSD		M 1.570	168.900	2.671	56.120	1.299	0.840	0.899	1.868	59.980

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:46:12	4.309	M 58.460	M 57.820	82.727%	5.755	5.706	88.640	87.410	87.315%
2	20:47:16	4.276	M 59.280	M 58.380	82.012%	5.762	5.735	88.540	87.020	87.142%
3	20:48:19	4.419	M 58.570	M 57.970	82.772%	5.779	5.743	87.280	87.580	86.654%
x		4.335	M 58.770	M 58.060	82.504%	5.766	5.728	88.150	87.340	87.037%
σ		0.075	M 0.445	M 0.286	0.426%	0.012	0.019	0.759	0.286	0.343%
%RSD		1.727	M 0.757	M 0.493	0.517	0.214	0.334	0.861	0.328	0.394

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:46:12	0.353	0.332	0.118	0.236	M 236.000	85.990%	0.000	0.948	0.474
2	20:47:16	0.339	0.322	0.124	0.240	M 232.900	87.383%	0.000	0.950	0.482
3	20:48:19	0.323	0.306	0.122	0.228	M 234.100	88.130%	0.000	0.945	0.477
x		0.338	0.320	0.121	0.235	M 234.300	87.167%	0.000	0.948	0.477
σ		0.015	0.013	0.003	0.006	M 1.575	1.086%	0.000	0.002	0.004
%RSD		4.436	3.937	2.251	2.473	M 0.672	1.246	0.000	0.261	0.851

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:48	T 86.859%	0.000	-0.073	982.000	T 5570.000	T 3679.000	3640.000	3621.000	T 1210.000
2	20:54:51	T 87.038%	0.000	-0.080	989.100	T 5616.000	T 3740.000	3661.000	3614.000	T 1224.000
3	20:55:55	T 85.881%	0.000	-0.042	M 1013.000	T 5731.000	T 3826.000	3751.000	3695.000	T 1247.000
x		T 86.593%	0.000	-0.065	M 994.700	T 5639.000	T 3748.000	3684.000	3643.000	T 1227.000
σ		T 0.623%	0.000	0.020	M 16.290	T 83.170	T 73.970	58.840	45.070	T 18.340
%RSD		T 0.719	0.000	31.230	M 1.638	T 1.475	T 1.973	1.597	1.237	T 1.495

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:48	0.000	0.000	T 14130.000	TM 105800.000	79.140%	0.000	4.753	9.499	10.430
2	20:54:51	0.000	0.000	T 14240.000	TM 108900.000	78.693%	0.000	4.880	9.589	7.191
3	20:55:55	0.000	0.000	T 14680.000	TM 108300.000	78.545%	0.000	4.677	9.685	5.734
x		0.000	0.000	T 14350.000	TM 107700.000	78.793%	0.000	4.770	9.591	7.783
σ		0.000	0.000	T 291.100	TM 1652.000	0.309%	0.000	0.102	0.093	2.401
%RSD		0.000	0.000	T 2.029	TM 1.534	0.393	0.000	2.147	0.969	30.850
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:53:48	3011.000	M 482.700	T 3241.000	2.331	11.250	15.600	19.280	M 127.300	M 105.200
2	20:54:51	3061.000	M 494.000	T 3299.000	2.476	11.410	15.440	19.800	M 128.700	M 109.300
3	20:55:55	3066.000	M 492.900	T 3287.000	2.484	11.600	16.200	20.030	M 130.400	M 111.300
x		3046.000	M 489.900	T 3276.000	2.430	11.420	15.750	19.700	M 128.800	M 108.600
σ		30.750	M 6.264	T 30.790	0.086	0.177	0.402	0.383	M 1.581	M 3.137
%RSD		1.010	M 1.279	T 0.940	3.540	1.550	2.553	1.945	M 1.228	M 2.890
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:53:48	M 112.900	1.265	-2.032	0.519	128.914%	2.279	3.130	0.353	-2.620
2	20:54:51	M 117.700	1.338	-2.013	0.484	131.134%	2.312	3.099	0.318	-2.443
3	20:55:55	M 116.700	1.375	-1.889	0.446	130.498%	2.276	3.155	0.354	-2.983
x		M 115.800	1.326	-1.978	0.483	130.182%	2.289	3.128	0.342	-2.682
σ		M 2.494	0.056	0.078	0.036	1.143%	0.020	0.028	0.021	0.275
%RSD		M 2.154	4.245	3.927	7.532	0.878	0.867	0.901	6.009	10.250
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:53:48	0.380	4.318	4.115	82.145%	1.691	1.680	180.500	175.700	89.574%
2	20:54:51	0.349	4.221	4.062	84.134%	1.688	1.666	178.900	174.000	90.080%
3	20:55:55	0.359	4.083	3.973	83.768%	1.682	1.677	180.200	174.600	90.555%
x		0.363	4.208	4.050	83.349%	1.687	1.674	179.900	174.800	90.070%
σ		0.016	0.118	0.072	1.059%	0.005	0.007	0.868	0.883	0.491%
%RSD		4.339	2.814	1.777	1.270	0.271	0.419	0.483	0.505	0.545
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	20:53:48	0.287	0.279	0.052	0.180	M 64.080	88.440%	0.000	0.851	0.500
2	20:54:51	0.269	0.272	0.049	0.179	M 63.810	90.386%	0.000	0.850	0.497
3	20:55:55	0.288	0.286	0.047	0.170	M 64.290	89.291%	0.000	0.869	0.495
x		0.281	0.279	0.049	0.176	M 64.060	89.372%	0.000	0.857	0.497
σ		0.011	0.007	0.002	0.006	M 0.243	0.975%	0.000	0.011	0.003
%RSD		3.994	2.594	4.469	3.161	M 0.379	1.091	0.000	1.226	0.528

CCV 11/03/2010 09:00:20 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:24	T 88.310%	0.000	9.574	199.500	T 5173.000	T 4909.000	4871.000	4792.000	432.000
2	21:02:27	T 88.487%	0.000	9.829	203.900	T 5158.000	T 4922.000	4898.000	4814.000	428.100
3	21:03:31	T 89.079%	0.000	9.522	201.500	T 5146.000	T 4893.000	4875.000	4816.000	425.900
x		T 88.625%	0.000	96.418%	100.811%	T 103.180%	T 4908.000	97.629%	96.144%	107.174%
σ		T 0.403%	0.000	n/a	n/a	T n/a	T 14.500	n/a	n/a	n/a
%RSD		T 0.454	0.000	1.701	1.082	T 0.264	T 0.295	0.302	0.278	0.725
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:24	0.000	0.000	T 5108.000	5394.000	76.871%	0.000	20.010	19.190	13.880
2	21:02:27	0.000	0.000	T 5174.000	5454.000	77.844%	0.000	20.150	19.270	10.630
3	21:03:31	0.000	0.000	T 5129.000	5347.000	78.610%	0.000	19.830	19.140	8.872
x		0.000	0.000	T 102.739%	107.970%	77.775%	0.000	100.000%	95.981%	11.130
σ		0.000	0.000	T n/a	n/a	0.872%	0.000	n/a	n/a	2.539
%RSD		0.000	0.000	T 0.656	0.996	1.121	0.000	0.806	0.346	22.820
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:24	982.600	21.090	T 1064.000	46.580	19.010	20.520	19.270	21.100	21.150
2	21:02:27	974.000	20.870	T 1083.000	47.210	18.490	19.220	19.330	20.190	19.880
3	21:03:31	962.700	20.200	T 1052.000	46.200	18.910	19.160	18.880	20.050	18.710
x		973.100	103.606%	T 106.652%	93.324%	94.007%	98.175%	95.801%	102.231%	99.552%
σ		10.020	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.030	2.234	T 1.483	1.104	1.474	3.901	1.297	2.798	6.122
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:24	20.860	9.812	10.490	10.650	79.959%	97.760	97.110	9.785	-1.059
2	21:02:27	20.220	9.753	10.030	10.680	81.159%	97.570	96.820	9.937	-2.018
3	21:03:31	19.910	9.766	10.670	10.710	79.947%	100.800	99.120	9.794	-1.400
x		101.654%	97.769%	103.968%	106.822%	80.355%	98.708%	97.680	98.385%	-1.492
σ		n/a	n/a	n/a	n/a	0.696%	n/a	1.252	n/a	0.486
%RSD		2.372	0.314	3.171	0.269	0.867	1.836	1.282	0.865	32.580
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:24	9.702	10.340	10.200	83.390%	16.970	16.960	241.000	236.500	86.996%
2	21:02:27	10.040	10.610	10.290	82.771%	19.940	19.890	245.200	239.500	87.874%
3	21:03:31	9.908	10.240	10.230	83.884%	21.190	21.040	246.200	238.000	88.555%
x		98.822%	104.000%	102.392%	83.348%	96.823%	96.484%	97.652%	95.192%	87.808%
σ		n/a	n/a	n/a	0.558%	n/a	n/a	n/a	n/a	0.782%
%RSD		1.708	1.820	0.434	0.669	11.190	10.920	1.137	0.628	0.890
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:01:24	10.290	10.160	10.040	9.853	10.110	88.721%	0.000	8.325	9.666
2	21:02:27	10.140	10.380	10.110	9.802	10.060	89.593%	0.000	9.228	9.746
3	21:03:31	10.380	10.440	9.945	9.836	10.140	90.474%	0.000	9.357	9.600
x		102.685%	103.252%	100.297%	98.303%	101.003%	89.596%	0.000	8.970	9.671
σ		n/a	n/a	n/a	n/a	n/a	0.877%	0.000	0.563	0.073
%RSD		1.176	1.445	0.810	0.264	0.405	0.979	0.000	6.272	0.759

CCB 11/03/2010 09:07:57 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:00	T 88.851%	0.000	-0.150	6.562	57.670	-76.200	-133.700	-151.400	-6.045
2	21:10:04	T 89.570%	0.000	-0.137	6.267	47.250	-76.450	-133.700	-151.100	-6.283
3	21:11:07	T 89.453%	0.000	-0.112	5.545	40.170	-77.440	-135.600	-152.700	-6.254
x		T 89.292%	0.000	-0.133	6.125	48.360	-76.700	-134.400	-151.700	-6.194
σ		T 0.386%	0.000	0.020	0.523	8.806	0.655	1.102	0.870	0.130
%RSD		T 0.432	0.000	14.800	8.541	18.210	0.854	0.820	0.573	2.095
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:09:00	0.000	0.000	212.200	-26.040	75.713%	0.000	1.042	0.035	14.330
2	21:10:04	0.000	0.000	198.800	-28.800	77.297%	0.000	0.827	-0.003	10.950
3	21:11:07	0.000	0.000	195.400	-34.850	76.302%	0.000	0.624	-0.020	9.431
x		0.000	0.000	202.100	-29.900	76.438%	0.000	0.831	0.004	11.570
σ		0.000	0.000	8.874	4.508	0.800%	0.000	0.209	0.028	2.508
%RSD		0.000	0.000	4.390	15.080	1.047	0.000	25.210	713.500	21.670
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	21:09:00	23.520	0.262	-20.810	0.496	-0.199	1.050	-0.318	0.072	0.186
2	21:10:04	23.240	0.236	-21.100	0.491	-0.210	1.003	-0.391	0.045	0.169
3	21:11:07	22.910	0.199	-21.380	0.490	-0.172	0.571	-0.407	-0.004	0.148
x		23.220	0.232	-21.100	0.492	-0.194	0.875	-0.372	0.038	0.168
σ		0.301	0.032	0.287	0.003	0.020	0.264	0.048	0.038	0.019
%RSD		1.297	13.720	1.358	0.707	10.280	30.230	12.860	101.800	11.190
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	21:09:00	-0.029	-0.159	-0.193	0.117	79.934%	1.241	2.043	-0.087	-1.916
2	21:10:04	-0.036	-0.059	-0.107	0.185	80.033%	1.097	1.982	-0.088	-1.720
3	21:11:07	-0.005	-0.063	0.000	0.073	80.367%	1.027	1.939	-0.089	-1.942
x		-0.023	-0.093	-0.100	0.125	80.111%	1.122	1.988	-0.088	-1.859
σ		0.016	0.057	0.097	0.057	0.227%	0.109	0.052	0.001	0.122
%RSD		69.930	60.610	96.690	45.540	0.284	9.718	2.625	1.426	6.540
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	21:09:00	-0.077	-0.037	-0.040	80.670%	1.748	1.733	5.896	9.789	87.198%
2	21:10:04	-0.085	-0.063	-0.065	81.625%	1.510	1.498	5.901	9.760	86.479%
3	21:11:07	-0.080	-0.047	-0.049	81.720%	1.361	1.350	5.817	9.719	85.850%
x		-0.081	-0.049	-0.051	81.338%	1.540	1.527	5.871	9.756	86.509%
σ		0.004	0.013	0.013	0.580%	0.195	0.193	0.047	0.035	0.675%
%RSD		4.791	27.360	25.530	0.714	12.680	12.630	0.805	0.361	0.780
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	21:09:00	0.168	0.136	0.005	0.127	0.058	88.150%	0.000	0.841	0.267
2	21:10:04	0.141	0.148	0.003	0.126	0.043	88.937%	0.000	0.793	0.267
3	21:11:07	0.119	0.123	0.003	0.128	0.035	88.212%	0.000	0.738	0.267
x		0.143	0.136	0.004	0.127	0.046	88.433%	0.000	0.791	0.267
σ		0.025	0.012	0.001	0.001	0.012	0.437%	0.000	0.051	0.000
%RSD		17.270	9.054	38.250	0.745	25.370	0.495	0.000	6.495	0.016

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:38	T 87.897%	0.000	-0.094	9.892	T 3967.000	T 1894.000	1809.000	1728.000	T 1257.000
2	21:17:41	T 86.589%	0.000	-0.076	10.110	T 3957.000	T 1848.000	1766.000	1708.000	1244.000
3	21:18:45	T 85.405%	0.000	-0.112	9.998	T 4033.000	T 1870.000	1809.000	1717.000	1266.000
x		T 86.631%	0.000	-0.094	9.998	T 3986.000	T 1871.000	1795.000	1718.000	T 1256.000
σ		T 1.247%	0.000	0.018	0.107	T 41.300	T 22.950	24.420	10.220	T 10.760
%RSD		T 1.439	0.000	19.070	1.066	T 1.036	T 1.227	1.361	0.595	T 0.857

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:38	0.000	0.000	T 3847.000	14680.000	64.013%	0.000	15.310	39.080	155.700
2	21:17:41	0.000	0.000	T 3787.000	14710.000	60.874%	0.000	15.490	40.530	169.300
3	21:18:45	0.000	0.000	T 3798.000	14670.000	61.164%	0.000	15.810	39.180	170.400
x		0.000	0.000	T 3811.000	14690.000	62.017%	0.000	15.540	39.600	165.100
σ		0.000	0.000	T 31.750	21.460	1.735%	0.000	0.252	0.812	8.201
%RSD		0.000	0.000	T 0.833	0.146	2.797	0.000	1.623	2.051	4.966

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:38	2031.000	37.990	T 2230.000	1.848	16.250	16.650	51.860	M 482.000	M 392.400
2	21:17:41	2110.000	38.970	T 2214.000	1.862	15.860	17.390	55.660	M 492.400	M 405.000
3	21:18:45	2047.000	38.370	T 2234.000	1.831	16.600	17.700	53.850	M 488.400	M 403.000
x		2063.000	38.440	T 2226.000	1.847	16.240	17.250	53.790	M 487.600	M 400.100
σ		42.050	0.494	T 10.330	0.015	0.373	0.537	1.901	M 5.228	M 6.778
%RSD		2.039	1.285	T 0.464	0.837	2.298	3.115	3.534	M 1.072	M 1.694

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:38	M 430.700	0.276	-4.081	-0.249	141.400%	4.422	5.041	2.091	-4.555
2	21:17:41	M 436.100	1.020	-4.008	0.173	137.767%	4.401	5.141	2.116	-3.650
3	21:18:45	M 433.500	1.039	-3.921	0.235	136.155%	4.344	5.083	2.201	-4.040
x		M 433.400	0.779	-4.003	0.053	138.441%	4.389	5.088	2.136	-4.082
σ		M 2.717	0.435	0.080	0.263	2.687%	0.040	0.050	0.058	0.454
%RSD		M 0.627	55.930	1.999	498.100	1.941	0.921	0.979	2.703	11.120

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:38	2.211	30.290	29.800	63.046%	8.182	7.898	46.660	46.830	63.426%
2	21:17:41	2.241	30.490	29.470	61.881%	7.975	7.900	47.500	47.890	62.656%
3	21:18:45	2.178	30.180	30.440	60.408%	8.093	7.973	47.240	48.230	61.460%
x		2.210	30.320	29.900	61.779%	8.083	7.924	47.140	47.650	62.514%
σ		0.032	0.158	0.493	1.322%	0.104	0.043	0.429	0.734	0.991%
%RSD		1.432	0.522	1.649	2.140	1.283	0.537	0.910	1.541	1.585

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:38	0.259	0.268	0.076	0.181	M 110.000	60.747%	0.000	0.901	0.369
2	21:17:41	0.260	0.268	0.058	0.183	M 109.600	60.116%	0.000	0.837	0.372
3	21:18:45	0.260	0.232	0.057	0.180	M 112.200	59.018%	0.000	0.802	0.367
x		0.260	0.256	0.064	0.181	M 110.600	59.961%	0.000	0.847	0.370
σ		0.000	0.021	0.011	0.002	M 1.408	0.875%	0.000	0.050	0.003
%RSD		0.138	8.074	16.980	0.901	M 1.273	1.459	0.000	5.953	0.737

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:13	T 90.440%	0.000	-0.103	470.100	T 2663.000	T 1681.000	1551.000	1525.000	628.600
2	21:25:17	T 90.082%	0.000	-0.086	471.400	T 2650.000	T 1709.000	1584.000	1543.000	625.200
3	21:26:20	T 89.974%	0.000	-0.073	481.300	T 2659.000	T 1710.000	1596.000	1558.000	630.700
x		T 90.166%	0.000	-0.087	474.300	T 2657.000	T 1700.000	1577.000	1542.000	628.200
σ		T 0.244%	0.000	0.015	6.145	T 6.712	T 16.600	23.260	16.130	2.750
%RSD		T 0.271	0.000	16.760	1.296	T 0.253	T 0.976	1.475	1.046	0.438

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:13	0.000	0.000	T 6503.000	TM 54520.000	72.802%	0.000	3.580	5.084	26.730
2	21:25:17	0.000	0.000	T 6557.000	TM 54200.000	73.618%	0.000	3.345	4.987	20.090
3	21:26:20	0.000	0.000	T 6605.000	TM 54670.000	73.164%	0.000	3.223	4.867	15.830
x		0.000	0.000	T 6555.000	TM 54460.000	73.194%	0.000	3.383	4.979	20.880
σ		0.000	0.000	T 51.230	TM 241.000	0.409%	0.000	0.182	0.109	5.492
%RSD		0.000	0.000	T 0.782	TM 0.443	0.559	0.000	5.369	2.179	26.300

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:13	1517.000	M 232.200	T 1648.000	1.435	5.902	9.144	10.280	65.900	57.380
2	21:25:17	1514.000	M 235.000	T 1665.000	1.438	6.117	9.180	10.100	66.700	55.650
3	21:26:20	1547.000	M 237.800	T 1691.000	1.457	5.750	9.473	10.210	66.960	56.830
x		1526.000	M 235.000	T 1668.000	1.443	5.923	9.265	10.200	66.520	56.620
σ		18.360	M 2.759	T 21.410	0.012	0.184	0.180	0.091	0.552	0.883
%RSD		1.203	M 1.174	T 1.284	0.810	3.114	1.947	0.888	0.830	1.559

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:13	59.420	0.840	-1.607	0.188	99.229%	1.777	2.586	0.124	-1.971
2	21:25:17	59.520	0.799	-1.821	0.211	100.687%	1.743	2.664	0.118	-1.884
3	21:26:20	60.010	0.642	-1.715	0.139	100.299%	1.795	2.629	0.152	-2.833
x		59.650	0.760	-1.714	0.180	100.072%	1.772	2.626	0.131	-2.230
σ		0.313	0.105	0.107	0.037	0.755%	0.026	0.039	0.018	0.525
%RSD		0.525	13.790	6.242	20.530	0.754	1.477	1.486	13.790	23.540

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:13	0.159	2.253	2.000	76.968%	1.337	1.342	93.290	91.940	84.864%
2	21:25:17	0.129	2.064	1.965	79.177%	1.320	1.302	92.350	91.510	86.174%
3	21:26:20	0.125	2.174	2.023	79.741%	1.315	1.303	91.480	92.000	87.224%
x		0.138	2.164	1.996	78.628%	1.324	1.316	92.370	91.820	86.087%
σ		0.018	0.095	0.029	1.465%	0.012	0.023	0.906	0.269	1.183%
%RSD		13.360	4.386	1.472	1.864	0.896	1.742	0.980	0.293	1.374

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:13	0.217	0.199	0.027	0.149	31.610	85.391%	0.000	0.741	0.373
2	21:25:17	0.208	0.187	0.029	0.148	31.290	87.289%	0.000	0.737	0.372
3	21:26:20	0.208	0.187	0.030	0.146	32.040	86.617%	0.000	0.736	0.381
x		0.211	0.191	0.029	0.148	31.640	86.432%	0.000	0.738	0.375
σ		0.005	0.007	0.001	0.002	0.378	0.963%	0.000	0.003	0.005
%RSD		2.330	3.687	3.998	1.147	1.195	1.114	0.000	0.391	1.295

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:31:49	T 92.384%	0.000	-0.148	7.036	40.510	-77.700	-135.100	-152.900	-2.658
2	21:32:53	T 92.263%	0.000	-0.138	6.223	30.450	-78.890	-136.600	-154.100	-3.487
3	21:33:56	T 92.203%	0.000	-0.148	5.790	24.850	-79.190	-136.600	-154.600	-3.605
x		T 92.283%	0.000	-0.145	6.350	31.940	-78.590	-136.100	-153.800	-3.250
σ		T 0.092%	0.000	0.005	0.633	7.936	0.787	0.850	0.901	0.516
%RSD		T 0.100	0.000	3.754	9.962	24.850	1.002	0.624	0.586	15.870

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:31:49	0.000	0.000	75.690	-13.370	74.589%	0.000	0.640	0.582	18.680
2	21:32:53	0.000	0.000	70.510	-41.980	75.133%	0.000	0.885	0.578	14.410
3	21:33:56	0.000	0.000	66.250	-44.210	74.974%	0.000	0.525	0.593	12.410
x		0.000	0.000	70.810	-33.190	74.899%	0.000	0.683	0.584	15.170
σ		0.000	0.000	4.729	17.200	0.279%	0.000	0.184	0.008	3.206
%RSD		0.000	0.000	6.678	51.830	0.373	0.000	26.960	1.384	21.140

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:31:49	72.320	1.536	1.616	0.482	0.156	0.786	0.183	1.435	1.443
2	21:32:53	70.400	1.450	-0.163	0.478	0.152	1.488	0.098	1.455	1.048
3	21:33:56	71.030	1.411	0.982	0.477	0.092	1.295	0.180	1.384	1.210
x		71.250	1.466	0.812	0.479	0.133	1.190	0.154	1.425	1.234
σ		0.981	0.064	0.901	0.003	0.036	0.363	0.048	0.037	0.199
%RSD		1.376	4.369	111.000	0.591	26.930	30.470	31.430	2.567	16.110

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:31:49	1.129	-0.147	-0.667	-0.202	79.354%	0.866	1.748	-0.097	-1.637
2	21:32:53	1.081	-0.239	-0.459	0.031	78.705%	0.867	1.735	-0.095	-1.880
3	21:33:56	1.077	-0.070	-0.409	0.014	79.197%	0.861	1.769	-0.096	-1.664
x		1.096	-0.152	-0.512	-0.052	79.085%	0.865	1.751	-0.096	-1.727
σ		0.029	0.084	0.137	0.130	0.339%	0.003	0.017	0.001	0.133
%RSD		2.629	55.500	26.700	249.400	0.428	0.387	0.976	0.619	7.692

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:31:49	-0.087	-0.066	-0.117	80.920%	0.878	0.863	5.881	9.724	86.364%
2	21:32:53	-0.088	-0.049	-0.136	80.771%	0.871	0.861	5.804	9.715	86.850%
3	21:33:56	-0.088	-0.066	-0.126	80.551%	0.863	0.846	5.802	9.696	87.956%
x		-0.087	-0.060	-0.126	80.747%	0.871	0.857	5.829	9.712	87.057%
σ		0.001	0.009	0.010	0.186%	0.008	0.009	0.045	0.014	0.816%
%RSD		0.770	15.510	7.725	0.230	0.863	1.089	0.768	0.145	0.937

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:31:49	0.155	0.144	-0.000	0.121	0.065	90.354%	0.000	0.614	0.261
2	21:32:53	0.139	0.128	0.000	0.119	0.030	90.651%	0.000	0.609	0.261
3	21:33:56	0.125	0.128	-0.000	0.121	0.028	91.395%	0.000	0.611	0.261
x		0.139	0.133	-0.000	0.120	0.041	90.800%	0.000	0.612	0.261
σ		0.015	0.009	0.000	0.001	0.021	0.537%	0.000	0.003	0.000
%RSD		10.650	7.032	241.900	0.702	50.160	0.591	0.000	0.420	0.021

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:25	T 92.611%	0.000	24.920	497.000	T 12440.000	T 12330.000	T 12320.000	T 12190.000	T 1115.000
2	21:40:29	T 92.178%	0.000	25.240	510.300	T 12590.000	T 12430.000	T 12460.000	T 12290.000	T 1119.000
3	21:41:32	T 92.039%	0.000	25.910	509.200	T 12710.000	T 12600.000	T 12600.000	T 12630.000	T 1130.000
x		T 92.276%	0.000	25.360	505.500	T 12580.000	T 12450.000	T 12460.000	T 12370.000	T 1122.000
σ		T 0.298%	0.000	0.504	7.359	T 138.100	T 134.900	T 139.100	T 232.500	T 7.730
%RSD		T 0.323	0.000	1.989	1.456	T 1.098	T 1.084	T 1.117	T 1.879	T 0.689

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:25	0.000	0.000	T 11990.000	14210.000	77.623%	0.000	51.970	52.440	14.380
2	21:40:29	0.000	0.000	T 12230.000	14370.000	78.096%	0.000	51.990	52.420	10.940
3	21:41:32	0.000	0.000	T 12440.000	14510.000	78.050%	0.000	53.000	53.920	8.326
x		0.000	0.000	T 12220.000	14360.000	77.923%	0.000	52.320	52.930	11.210
σ		0.000	0.000	T 224.800	153.200	0.261%	0.000	0.591	0.860	3.036
%RSD		0.000	0.000	T 1.840	1.067	0.334	0.000	1.130	1.625	27.080
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	21:39:25	2673.000	54.370	T 2854.000	128.500	50.130	51.770	51.490	53.330	58.910
2	21:40:29	2681.000	54.270	T 2880.000	129.700	50.780	51.360	51.550	53.130	59.940
3	21:41:32	2717.000	54.280	T 2905.000	130.700	50.550	52.100	52.920	54.240	61.810
x		2690.000	54.310	T 2880.000	129.600	50.490	51.740	51.990	53.570	60.220
σ		23.640	0.055	T 25.070	1.081	0.334	0.373	0.808	0.589	1.469
%RSD		0.879	0.102	T 0.871	0.834	0.662	0.721	1.554	1.100	2.440
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	21:39:25	58.680	25.530	25.320	26.130	80.822%	265.000	261.400	24.480	-0.541
2	21:40:29	58.870	25.320	24.550	26.330	82.729%	265.000	261.900	24.060	0.263
3	21:41:32	59.520	25.300	24.630	26.140	83.689%	262.200	261.900	24.350	-0.005
x		59.020	25.380	24.830	26.200	82.413%	264.000	261.700	24.300	-0.095
σ		0.439	0.128	0.421	0.113	1.459%	1.632	0.293	0.215	0.409
%RSD		0.744	0.503	1.695	0.432	1.771	0.618	0.112	0.884	433.000
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	21:39:25	24.550	26.830	26.220	84.247%	59.890	60.070	M 1369.000	M 1367.000	93.817%
2	21:40:29	24.440	26.700	26.460	85.855%	59.360	59.310	M 1361.000	M 1366.000	95.848%
3	21:41:32	24.630	27.040	26.110	85.775%	60.110	60.040	M 1374.000	M 1376.000	95.271%
x		24.540	26.860	26.260	85.292%	59.790	59.810	M 1368.000	M 1370.000	94.978%
σ		0.099	0.171	0.182	0.906%	0.391	0.429	M 6.412	M 5.607	1.046%
%RSD		0.403	0.635	0.692	1.063	0.653	0.718	M 0.469	M 0.409	1.102
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	21:39:25	28.250	28.320	25.660	25.580	27.310	95.038%	0.000	27.240	27.820
2	21:40:29	28.400	28.230	25.620	25.400	27.100	96.079%	0.000	27.160	27.800
3	21:41:32	28.720	28.500	26.090	25.790	27.380	95.822%	0.000	27.570	28.060
x		28.460	28.350	25.790	25.590	27.270	95.647%	0.000	27.320	27.890
σ		0.238	0.138	0.258	0.193	0.145	0.542%	0.000	0.214	0.147
%RSD		0.838	0.485	1.001	0.754	0.530	0.567	0.000	0.783	0.527

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:01	T 86.358%	0.000	4.290	14.710	T 234.400	T 4237.000	4132.000	4095.000	TM 20690.000
2	21:48:05	T 86.948%	0.000	4.393	13.530	T 226.800	T 4257.000	4187.000	4140.000	TM 20580.000
3	21:49:08	T 86.237%	0.000	4.420	13.370	T 225.700	T 4295.000	4216.000	4192.000	TM 20900.000
x		T 86.514%	0.000	4.368	13.870	T 229.000	T 4263.000	4178.000	4142.000	TM 20720.000
σ		T 0.380%	0.000	0.069	0.729	T 4.757	T 29.240	42.940	48.500	TM 162.400
%RSD		T 0.440	0.000	1.570	5.255	T 2.078	T 0.686	1.028	1.171	TM 0.784

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:01	0.000	0.000	T 1756.000	5203.000	75.854%	0.000	40.810	30.840	12.340
2	21:48:05	0.000	0.000	T 1761.000	5170.000	77.315%	0.000	41.050	30.910	8.292
3	21:49:08	0.000	0.000	T 1784.000	5301.000	76.555%	0.000	40.970	31.630	7.336
x		0.000	0.000	T 1767.000	5225.000	76.575%	0.000	40.940	31.130	9.324
σ		0.000	0.000	T 14.500	68.160	0.731%	0.000	0.122	0.441	2.659
%RSD		0.000	0.000	T 0.821	1.305	0.954	0.000	0.297	1.416	28.510

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:01	TM 41220.000	TM 696.600	TM 43740.000	101.000	41.450	43.370	44.280	M 357.900	M 299.800
2	21:48:05	TM 41150.000	TM 687.300	TM 43660.000	100.500	41.510	43.460	44.190	M 353.900	M 300.300
3	21:49:08	TM 41990.000	TM 708.000	TM 44780.000	101.500	42.170	44.460	45.520	M 363.700	M 301.600
x		TM 41460.000	TM 697.300	TM 44060.000	101.000	41.710	43.760	44.660	M 358.500	M 300.600
σ		TM 463.800	TM 10.360	TM 623.900	0.495	0.397	0.607	0.745	M 4.921	M 0.932
%RSD		TM 1.119	TM 1.486	TM 1.416	0.490	0.951	1.387	1.667	M 1.373	M 0.310

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:01	M 319.800	8.805	-2.394	0.243	127.794%	1.632	2.397	0.164	-2.966
2	21:48:05	M 318.700	8.775	-2.501	0.247	129.209%	1.503	2.320	0.139	-2.502
3	21:49:08	M 325.200	8.548	-2.483	0.276	131.566%	1.410	2.318	0.159	-3.835
x		M 321.200	8.709	-2.459	0.255	129.523%	1.515	2.345	0.154	-3.101
σ		M 3.508	0.140	0.057	0.018	1.905%	0.111	0.045	0.013	0.677
%RSD		M 1.092	1.612	2.328	6.958	1.471	7.343	1.931	8.708	21.820

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:01	0.154	3.147	2.991	79.911%	0.987	0.962	577.300	558.600	90.886%
2	21:48:05	0.152	3.209	2.893	80.968%	0.957	0.944	576.900	561.400	92.508%
3	21:49:08	0.131	3.298	2.906	82.340%	0.950	0.925	570.300	557.700	93.920%
x		0.146	3.218	2.930	81.073%	0.965	0.944	574.800	559.200	92.438%
σ		0.013	0.076	0.053	1.218%	0.020	0.019	3.897	1.941	1.518%
%RSD		8.744	2.352	1.821	1.502	2.038	1.978	0.678	0.347	1.642

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:01	0.412	0.399	0.836	0.922	48.180	88.988%	0.000	9.693	2.193
2	21:48:05	0.371	0.373	0.796	0.907	47.420	92.542%	0.000	9.317	2.113
3	21:49:08	0.360	0.339	0.829	0.902	47.470	92.212%	0.000	9.466	2.152
x		0.381	0.370	0.821	0.910	47.690	91.247%	0.000	9.492	2.153
σ		0.027	0.030	0.021	0.010	0.425	1.963%	0.000	0.189	0.040
%RSD		7.112	8.153	2.611	1.122	0.891	2.152	0.000	1.995	1.871

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:38	T 86.409%	0.000	0.709	5.819	87.350	803.000	716.200	682.500	TM 4431.000
2	21:55:41	T 85.870%	0.000	0.953	5.864	84.090	808.100	701.100	688.000	TM 4470.000
3	21:56:45	T 86.012%	0.000	0.774	5.163	75.490	822.500	711.000	691.000	TM 4392.000
x		T 86.097%	0.000	0.812	5.615	82.310	811.200	709.400	687.200	TM 4431.000
σ		T 0.280%	0.000	0.127	0.393	6.131	10.110	7.661	4.344	TM 38.710
%RSD		T 0.325	0.000	15.590	6.994	7.449	1.246	1.080	0.632	TM 0.874

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:54:38	0.000	0.000	448.500	1037.000	73.286%	0.000	9.304	6.407	11.530
2	21:55:41	0.000	0.000	445.800	1048.000	72.667%	0.000	9.138	6.775	9.045
3	21:56:45	0.000	0.000	465.600	1036.000	74.315%	0.000	9.061	6.576	7.330
x		0.000	0.000	453.300	1040.000	73.423%	0.000	9.168	6.586	9.303
σ		0.000	0.000	10.760	6.374	0.833%	0.000	0.124	0.185	2.113
%RSD		0.000	0.000	2.374	0.613	1.134	0.000	1.357	2.801	22.720
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	21:54:38	M 9079.000	M 143.400	TM 9410.000	21.500	9.168	9.835	10.060	76.920	66.160
2	21:55:41	M 9268.000	M 143.600	TM 9466.000	21.570	8.974	10.720	9.879	77.350	65.090
3	21:56:45	M 9070.000	M 143.100	TM 9397.000	21.490	8.568	9.032	9.723	77.340	63.200
x		M 9139.000	M 143.400	TM 9424.000	21.520	8.903	9.862	9.889	77.210	64.810
σ		M 111.800	M 0.218	TM 36.780	0.044	0.306	0.844	0.171	0.248	1.500
%RSD		M 1.223	M 0.152	TM 0.390	0.203	3.442	8.562	1.728	0.322	2.314
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	21:54:38	68.320	2.673	-0.974	0.410	87.302%	1.098	1.955	-0.053	-2.305
2	21:55:41	70.410	2.695	-0.990	0.311	88.975%	1.051	1.933	-0.038	-1.996
3	21:56:45	69.120	2.625	-1.008	-0.058	88.227%	1.014	1.900	-0.040	-1.749
x		69.280	2.664	-0.991	0.221	88.168%	1.054	1.929	-0.044	-2.017
σ		1.058	0.036	0.017	0.247	0.838%	0.042	0.028	0.008	0.279
%RSD		1.527	1.357	1.693	111.800	0.950	4.003	1.435	17.680	13.820
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	21:54:38	-0.024	0.565	0.546	79.350%	0.875	0.856	117.200	116.300	86.542%
2	21:55:41	-0.040	0.601	0.569	80.425%	0.867	0.856	117.100	114.900	86.376%
3	21:56:45	-0.029	0.539	0.535	80.469%	0.859	0.849	118.500	115.000	86.129%
x		-0.031	0.568	0.550	80.081%	0.867	0.853	117.600	115.400	86.349%
σ		0.008	0.031	0.017	0.634%	0.008	0.004	0.803	0.794	0.207%
%RSD		25.790	5.443	3.159	0.792	0.915	0.492	0.683	0.688	0.240
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	21:54:38	0.132	0.141	0.170	0.293	9.689	88.142%	0.000	2.315	0.666
2	21:55:41	0.128	0.117	0.173	0.292	9.561	89.115%	0.000	2.374	0.650
3	21:56:45	0.112	0.117	0.181	0.293	9.513	89.369%	0.000	2.380	0.644
x		0.124	0.125	0.175	0.293	9.588	88.876%	0.000	2.356	0.653
σ		0.011	0.014	0.005	0.001	0.091	0.648%	0.000	0.036	0.012
%RSD		8.798	11.150	3.141	0.186	0.945	0.729	0.000	1.533	1.798

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User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:13	T 84.900%	0.000	9.312	190.400	T 4896.000	T 4641.000	4600.000	4528.000	435.500
2	22:03:17	T 85.812%	0.000	9.511	189.400	T 4860.000	T 4675.000	4572.000	4557.000	431.100
3	22:04:20	T 86.001%	0.000	9.164	192.000	T 4939.000	T 4767.000	4633.000	4602.000	431.900
x		T 85.571%	0.000	93.290%	95.305%	T 97.966%	T 4694.000	92.037%	91.244%	108.214%
σ		T 0.589%	0.000	n/a	n/a	T n/a	T 65.200	n/a	n/a	n/a
%RSD		T 0.688	0.000	1.866	0.698	T 0.813	T 1.389	0.669	0.819	0.540
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:13	0.000	0.000	T 4719.000	5336.000	70.427%	0.000	20.180	19.530	7.653
2	22:03:17	0.000	0.000	T 4716.000	5263.000	71.329%	0.000	19.750	19.670	5.387
3	22:04:20	0.000	0.000	T 4772.000	5353.000	72.603%	0.000	19.680	19.780	4.226
x		0.000	0.000	T 94.718%	106.342%	71.453%	0.000	99.346%	98.293%	5.755
σ		0.000	0.000	T n/a	n/a	1.093%	0.000	n/a	n/a	1.743
%RSD		0.000	0.000	T 0.659	0.894	1.530	0.000	1.366	0.632	30.280
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:13	1009.000	20.980	T 1095.000	47.480	19.390	20.370	19.430	21.030	19.870
2	22:03:17	1004.000	21.130	T 1096.000	47.990	18.750	20.700	19.800	20.690	20.060
3	22:04:20	999.700	20.630	T 1084.000	48.000	19.240	19.470	19.160	20.810	19.950
x		1004.000	104.580%	T 109.167%	95.642%	95.626%	100.909%	97.311%	104.227%	99.799%
σ		4.610	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.459	1.224	T 0.618	0.623	1.764	3.154	1.635	0.820	0.485
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:13	21.000	9.724	9.752	10.560	74.693%	97.940	97.140	9.869	-2.456
2	22:03:17	20.550	9.729	9.588	10.280	76.485%	97.990	97.260	9.934	-0.170
3	22:04:20	19.760	9.851	9.722	10.040	76.874%	98.660	96.810	9.903	-2.252
x		102.186%	97.681%	96.869%	102.943%	76.017%	98.198%	97.070	99.021%	-1.626
σ		n/a	n/a	n/a	n/a	1.163%	n/a	0.233	n/a	1.265
%RSD		3.081	0.739	0.902	2.488	1.530	0.408	0.240	0.326	77.810
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:13	10.160	10.720	10.430	77.240%	17.470	17.430	246.900	240.800	84.600%
2	22:03:17	10.060	10.480	10.360	77.560%	20.210	20.240	249.700	241.800	84.433%
3	22:04:20	10.070	10.640	10.120	79.479%	21.250	21.220	246.600	238.700	84.090%
x		100.970%	106.168%	103.073%	78.093%	98.226%	98.143%	99.094%	96.172%	84.374%
σ		n/a	n/a	n/a	1.211%	n/a	n/a	n/a	n/a	0.260%
%RSD		0.550	1.144	1.590	1.551	9.946	10.020	0.686	0.663	0.308
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:02:13	10.180	10.230	9.822	9.785	10.250	87.111%	0.000	8.659	9.797
2	22:03:17	10.430	10.470	9.976	9.825	10.080	88.713%	0.000	9.558	9.866
3	22:04:20	10.570	10.660	10.080	10.040	10.250	88.099%	0.000	9.951	10.090
x		103.926%	104.558%	99.603%	98.817%	101.935%	87.975%	0.000	9.390	9.919
σ		n/a	n/a	n/a	n/a	n/a	0.808%	0.000	0.662	0.156
%RSD		1.894	2.074	1.316	1.361	0.991	0.919	0.000	7.055	1.569

CCB 11/03/2010 10:08:46 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:49	T 86.679%	0.000	-0.136	4.462	20.650	-79.100	-136.600	-154.300	-4.951
2	22:10:53	T 86.984%	0.000	-0.130	4.519	12.380	-78.360	-135.900	-153.300	-4.642
3	22:11:56	T 87.269%	0.000	-0.137	3.986	5.262	-78.980	-137.000	-154.300	-5.153
x		T 86.978%	0.000	-0.134	4.322	12.760	-78.810	-136.500	-154.000	-4.915
σ		T 0.295%	0.000	0.004	0.293	7.702	0.399	0.569	0.601	0.257
%RSD		T 0.339	0.000	2.854	6.771	60.340	0.506	0.417	0.390	5.231
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:49	0.000	0.000	77.630	-64.770	69.121%	0.000	0.349	0.034	6.766
2	22:10:53	0.000	0.000	64.610	-67.340	70.082%	0.000	0.269	-0.046	5.358
3	22:11:56	0.000	0.000	65.730	-68.470	72.054%	0.000	0.237	-0.030	4.150
x		0.000	0.000	69.330	-66.860	70.419%	0.000	0.285	-0.014	5.424
σ		0.000	0.000	7.216	1.894	1.495%	0.000	0.058	0.043	1.309
%RSD		0.000	0.000	10.410	2.832	2.123	0.000	20.280	305.500	24.140
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	22:09:49	23.310	0.140	-24.240	0.493	-0.175	1.375	-0.167	-0.082	-0.255
2	22:10:53	23.550	0.159	-23.320	0.510	-0.213	0.969	-0.158	-0.197	-0.090
3	22:11:56	22.250	0.111	-25.290	0.493	-0.074	1.449	-0.249	-0.156	-0.319
x		23.040	0.136	-24.280	0.499	-0.154	1.264	-0.191	-0.145	-0.221
σ		0.689	0.024	0.983	0.010	0.072	0.259	0.050	0.058	0.118
%RSD		2.992	17.690	4.048	1.974	46.740	20.460	26.170	40.070	53.430
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	22:09:49	-0.151	-0.143	-0.564	-0.299	74.630%	1.196	2.091	-0.094	-1.477
2	22:10:53	-0.218	-0.186	-0.374	-0.070	74.849%	1.181	2.011	-0.094	-1.787
3	22:11:56	-0.119	0.002	-0.622	0.207	74.516%	1.078	1.984	-0.093	-1.354
x		-0.162	-0.109	-0.520	-0.054	74.665%	1.152	2.029	-0.094	-1.539
σ		0.051	0.099	0.130	0.253	0.169%	0.064	0.056	0.001	0.223
%RSD		31.150	90.600	24.970	469.100	0.227	5.583	2.758	0.713	14.500
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	22:09:49	-0.085	-0.091	-0.081	77.570%	1.713	1.670	5.849	9.765	83.551%
2	22:10:53	-0.082	-0.062	-0.065	77.333%	1.479	1.472	5.847	9.755	83.018%
3	22:11:56	-0.084	-0.106	-0.085	78.339%	1.342	1.326	5.835	9.744	83.480%
x		-0.084	-0.086	-0.077	77.747%	1.511	1.489	5.844	9.755	83.350%
σ		0.001	0.023	0.011	0.526%	0.188	0.173	0.007	0.010	0.289%
%RSD		1.545	26.280	14.130	0.676	12.430	11.600	0.125	0.103	0.347
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	22:09:49	0.163	0.176	0.008	0.126	0.023	87.009%	0.000	0.785	0.266
2	22:10:53	0.162	0.152	0.005	0.127	0.024	87.123%	0.000	0.734	0.267
3	22:11:56	0.146	0.147	0.006	0.126	0.017	86.464%	0.000	0.710	0.266
x		0.157	0.158	0.007	0.126	0.021	86.865%	0.000	0.743	0.266
σ		0.010	0.016	0.002	0.001	0.004	0.352%	0.000	0.038	0.001
%RSD		6.186	9.803	24.610	0.479	17.220	0.406	0.000	5.125	0.230

Mass Uncorrected ICPS

STD0 11/03/2010 03:26:18 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	15:27:22	T 5317266.900	302196.640	9.000	686.026	893539.740	2090.240	260.004	284.004	2574.365
2	15:28:25	T 5377089.600	304656.740	6.000	654.024	898203.470	2052.232	256.004	284.004	2648.386
3	15:29:28	T 5399413.800	303767.720	10.000	640.023	890555.100	2204.267	280.004	352.007	2518.349
x		T 5364590.100	303540.360	8.333	660.024	894099.440	2115.580	265.337	306.672	2580.366
σ		T 42475.957	1245.709	2.082	23.581	3854.780	79.122	12.859	39.261	65.226
%RSD		T 0.792	0.410	24.980	3.573	0.431	3.740	4.846	12.802	2.528

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	15:27:22	3982.872	1087305.800	654699.330	1840.186	434920.530	32.000	4064.909	1200.079	1306.094
2	15:28:25	3952.859	1089233.400	663706.590	1772.173	442875.090	28.000	2968.485	1160.074	966.051
3	15:29:28	4020.889	1102190.400	665034.570	1692.158	442761.770	46.000	2408.319	1210.081	844.039
x		3985.540	1092909.900	661146.830	1768.172	440185.790	35.333	3147.237	1190.078	1038.728
σ		34.093	8094.788	5623.038	74.095	4560.208	9.452	842.637	26.461	239.447
%RSD		0.855	0.741	0.850	4.191	1.036	26.750	26.774	2.223	23.052

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
1	15:27:22	8351.835	594.019	161328.900	18.000	202.002	124.001	616.021	448.011	70.000
2	15:28:25	8493.966	626.022	167150.670	24.000	192.002	146.001	624.021	422.010	74.000
3	15:29:28	8634.098	520.015	169418.060	26.000	244.003	152.001	664.024	344.007	36.000
x		8493.300	580.019	165965.870	22.667	212.669	140.668	634.689	404.676	60.000
σ		141.133	54.373	4172.703	4.163	27.593	14.742	25.718	54.126	20.881
%RSD		1.662	9.374	2.514	18.368	12.975	10.480	4.052	13.375	34.801

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	15:27:22	390.008	356.007	968.452	146.001	440306.740	50.000	70.000	16.000	0.000
2	15:28:25	302.005	258.404	1021.657	146.601	442975.830	48.000	58.000	8.000	0.000
3	15:29:28	272.004	210.802	1033.259	150.001	453844.730	58.000	42.000	14.000	4.000
x		321.339	275.071	1007.789	147.535	445709.100	52.000	56.667	12.667	1.333
σ		61.332	74.023	34.558	2.157	7170.944	5.292	14.048	4.163	2.309
%RSD		19.086	26.911	3.429	1.462	1.609	10.176	24.790	32.868	173.205

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	15:27:22	18.000	6.000	8.000	594968.390	83.400	73.600	8.000	28.000	568547.460
2	15:28:25	6.000	6.000	10.000	605532.860	74.000	52.600	10.000	28.000	570683.250
3	15:29:28	24.000	2.000	24.000	621014.700	70.400	52.600	14.000	24.000	580342.910
x		16.000	4.667	14.000	607171.980	75.934	59.600	10.667	26.667	573191.210
σ		9.165	2.309	8.718	13100.288	6.712	12.124	3.055	2.309	6284.946
%RSD		57.282	49.487	62.270	2.158	8.840	20.343	28.641	8.660	1.096

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	15:27:22	258.004	298.005	54.000	196.002	560.017	1106941.000	0.000	388.008	2.000
2	15:28:25	254.004	258.004	60.000	186.002	516.015	1112831.300	0.000	362.007	2.000
3	15:29:28	228.003	262.004	74.000	142.001	540.016	1104222.200	0.000	298.005	4.000
x		246.670	272.671	62.667	174.668	538.683	1107998.200	0.000	349.340	2.667
σ		16.289	22.031	10.263	28.729	22.032	4400.792	0.000	46.319	1.155
%RSD		6.604	8.080	16.378	16.448	4.090	0.397	0.000	13.259	43.301

STD1 11/03/2010 03:33:53 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	2
1	15:34:57	T 5352844.700	304805.600	687.026	14211.099	T 3742134.600	T 1798844.800	246706.720	281293.630	166834
2	15:36:00	T 5351222.600	306253.050	711.028	14026.813	T 3754690.200	T 1830000.700	251067.700	283162.320	169371
3	15:37:03	T 5405261.600	308685.270	729.029	14253.165	T 3763710.000	T 1835837.700	252301.160	286624.320	171973
x		T 5369776.300	306581.310	709.028	14163.692	T 3753511.600	T 1821561.100	250025.190	283693.420	169393
σ		T 30741.868	1960.554	21.073	120.392	T 10835.860	T 19888.189	2939.312	2704.737	2569
%RSD		T 0.572	0.639	2.972	0.850	T 0.289	T 1.092	1.176	0.953	1

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53
1	15:34:57	3700.753	1072213.100	T 2921161.200	85253.887	433545.110	38.000	22744.416	13532.064	4303
2	15:36:00	3704.755	1023115.000	T 2980537.400	89882.148	449958.530	42.000	20651.430	13772.424	3552
3	15:37:03	3714.759	1112950.600	T 2970166.200	89971.021	449231.880	42.000	19783.503	13724.352	3184
x		3706.756	1069426.200	T 2957288.300	88369.019	444245.170	40.667	21059.783	13676.280	3680
σ		7.214	44982.625	T 31713.782	2698.149	9273.645	2.309	1522.109	127.187	570

%RSD		0.195	4.206	T 1.072	3.053	2.088	5.679	7.228	0.930	15
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**6**
1	15:34:57	58867.984	21699.868	1089941.100	34025.557	3004.496	554.017	4765.249	4062.908	732
2	15:36:00	59816.143	21491.373	1116541.500	34553.543	3154.547	556.017	4595.161	4176.959	742
3	15:37:03	59802.051	21587.601	1118973.000	34965.112	3012.499	572.018	4403.066	4034.895	808
x		59495.393	21592.947	1108485.200	34514.737	3057.181	560.684	4587.825	4091.587	760
σ		543.397	104.350	16105.607	470.978	84.417	9.866	181.203	75.249	41
%RSD		0.913	0.483	1.453	1.365	2.761	1.760	3.950	1.839	5
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108M**
1	15:34:57	3204.565	2208.668	1265.888	275.004	443869.890	25487.679	41422.154	8373.855	156
2	15:36:00	3308.602	2090.640	1264.288	253.204	446057.140	25686.237	41801.886	8419.897	138
3	15:37:03	3306.601	1990.618	1319.496	275.004	456736.290	26988.000	42595.558	8451.927	170
x		3273.256	2096.642	1283.224	267.737	448887.770	26053.972	41939.866	8415.227	154
σ		59.497	109.149	31.423	12.587	6884.431	814.962	598.747	39.245	16
%RSD		1.818	5.206	2.449	4.701	1.534	3.128	1.428	0.466	10
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**15**
1	15:34:57	8331.816	2042.229	5013.382	606092.360	10631.213	7933.460	39001.482	65857.687	566446
2	15:36:00	8349.833	2116.246	5195.484	603521.490	13268.676	9976.271	39407.226	66355.286	576659
3	15:37:03	8610.075	2214.270	5195.484	613612.550	14980.132	11270.382	39716.568	68686.504	587714
x		8430.575	2124.248	5134.784	607742.130	12960.007	9726.704	39375.092	66966.492	576940
σ		155.713	86.299	105.137	5243.917	2190.829	1682.401	358.624	1510.209	10636
%RSD		1.847	4.063	2.048	0.863	16.905	17.297	0.911	2.255	1
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**2**
1	15:34:57	10544.111	12338.367	11272.985	28305.999	20430.932	1102453.700	0.000	30703.762	44269
2	15:36:00	11074.742	13091.419	11629.434	28203.682	20727.603	1131606.800	0.000	35878.661	44323
3	15:37:03	10958.601	12917.170	11238.943	27778.375	20683.503	1125790.800	0.000	36979.057	44173
x		10859.151	12782.319	11380.454	28096.019	20614.013	1119950.400	0.000	34520.493	44255
σ		278.944	394.221	216.294	279.804	160.078	15429.143	0.000	3350.865	76
%RSD		2.569	3.084	1.901	0.996	0.777	1.378	0.000	9.707	0

STD2 11/03/2010 03:41:28 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	15:42:32	T 5332035.800	304359.010	3612.718	68130.343	T 14849189.000	T 9128740.100	1314402.900	1502534.600	87
2	15:43:35	T 5372906.500	303015.220	3620.721	69770.714	T 14892652.000	T 9191241.500	1320945.200	1505226.100	87
3	15:44:38	T 5350219.500	304172.930	3640.729	70836.912	T 15047817.000	T 9212050.100	1327091.200	1507181.900	87
x		T 5351720.600	303849.050	3624.723	69579.323	T 14929886.000	T 9177343.900	1320813.100	1504980.900	87
σ		T 20476.655	728.091	14.428	1363.397	T 104417.600	T 43358.890	6345.212	2333.353	
%RSD		T 0.383	0.240	0.398	1.959	T 0.699	T 0.472	0.480	0.155	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	15:42:32	3596.711	1040153.600	T 12095635.000	446871.720	428011.950	50.000	81429.062	64282.472	1
2	15:43:35	3634.727	1047334.000	T 12236949.000	448118.920	434127.960	48.000	78590.241	64469.792	1
3	15:44:38	3532.686	980438.190	T 12288371.000	449504.890	434379.560	34.000	77093.507	64981.415	
x		3588.041	1022641.900	T 12206985.000	448165.180	432173.160	44.000	79037.604	64577.893	1
σ		51.570	36725.423	T 99800.210	1317.194	3605.906	8.718	2202.126	361.794	
%RSD		1.437	3.591	T 0.818	0.294	0.834	19.813	2.786	0.560	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	15:42:32	269148.120	106459.720	T 4629282.200	174407.090	14585.691	2236.275	19729.385	19001.838	
2	15:43:35	267906.230	106289.750	T 4628347.000	176451.980	14349.316	2158.256	19332.534	19278.420	
3	15:44:38	272240.170	108090.800	T 4631943.900	176700.740	14639.778	2344.302	19538.975	18859.542	
x		269764.840	106946.760	T 4629857.700	175853.270	14524.928	2246.278	19533.632	19046.600	
σ		2231.820	994.408	T 1866.233	1258.594	154.471	93.426	198.480	212.996	
%RSD		0.827	0.930	T 0.040	0.716	1.063	4.159	1.016	1.118	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	1
1	15:42:32	15352.953	8447.923	2349.304	747.831	436258.400	133781.170	213995.370	42468.968	
2	15:43:35	15212.718	8241.734	2354.305	752.631	446288.070	135455.690	218412.580	42565.417	
3	15:44:38	15250.782	8184.483	2393.115	753.631	441263.490	135640.410	219051.680	43176.288	
x		15272.151	8291.380	2365.574	751.364	441269.990	134959.090	217153.210	42736.891	
σ		72.519	138.560	23.982	3.101	5014.840	1024.285	2753.376	383.572	
%RSD		0.475	1.671	1.014	0.413	1.136	0.759	1.268	0.898	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	15:42:32	42583.501	10720.317	26797.438	592630.880	69747.336	52465.157	200646.070	347499.000	57
2	15:43:35	43134.088	10954.596	26719.208	607630.090	80719.375	61097.220	203692.710	352117.720	58
3	15:44:38	43109.974	10712.308	26861.627	598159.960	86073.354	65084.952	205979.370	351928.610	57
x		42942.521	10795.740	26792.757	599473.640	78846.688	59549.110	203439.380	350515.110	57
σ		311.154	137.631	71.325	7585.407	8322.556	6450.759	2675.662	2613.739	
%RSD		0.725	1.275	0.266	1.265	10.555	10.833	1.315	0.746	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	15:42:32	54977.739	64582.588	59483.974	148098.580	105575.500	1106013.700	4.000	192707.060	23
2	15:43:35	56821.021	66860.971	59405.463	147919.700	106010.520	1121506.600	0.000	214544.080	24
3	15:44:38	57718.650	67141.023	60061.755	148543.750	105923.510	1114579.200	0.000	220371.000	23
x		56505.803	66194.861	59650.397	148187.340	105836.510	1114033.100	1.333	209207.380	23
σ		1397.379	1403.273	358.402	321.356	230.190	7760.878	2.309	14583.678	
%RSD		2.473	2.120	0.601	0.217	0.217	0.697	173.205	6.971	

STD3 11/03/2010 03:49:03 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	
1	15:50:07	T 5300811.900	303052.430	M 17233.319	333969.820	T 66077034.000	T 42891871.000	T 5957937.100	T 6730
2	15:51:10	T 5250849.300	298881.710	M 17038.953	M 335502.750	T 66296324.000	TM 43081851.000	TM 5976283.700	T 6739
3	15:52:14	T 5228077.000	296856.960	16779.471	M 337031.770	TM 66618703.000	TM 43320284.000	TM 5980876.700	TM 6752
x		T 5259912.700	299597.030	M 17017.248	M 335501.450	TM 66330687.000	TM 43098002.000	TM 5971699.200	TM 6741
σ		T 37204.844	3159.071	M 227.701	M 1530.975	TM 272464.630	TM 214662.710	TM 12137.506	TM 111
%RSD		T 0.707	1.054	M 1.338	M 0.456	TM 0.411	TM 0.498	TM 0.203	T

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	
1	15:50:07	3584.707	1079298.600	T 54125524.000	T 2032013.900	415231.200	78.000	351377.910	3010
2	15:51:10	3460.659	1098011.200	T 54438912.000	T 2043003.100	418190.320	48.000	351153.480	M 3039
3	15:52:14	3676.743	1064924.400	TM 55250359.000	TM 2075425.200	421682.190	82.000	M 355603.550	3053
x		3574.036	1080744.700	TM 54604932.000	TM 2050147.400	418367.900	69.334	M 352711.640	M 3034
σ		108.437	16590.720	TM 580504.450	TM 22570.248	3229.162	18.583	M 2506.973	M 21
%RSD		3.034	1.535	TM 1.063	TM 1.101	0.772	26.803	M 0.711	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	

1	15:50:07	M 1312722.000	M 513618.610	TM 20683369.000	857267.980	M 66895.221	M 10295.827	M 87204.256	M 886
2	15:51:10	M 1321900.200	M 515062.990	T 20783967.000	863616.770	66776.352	M 10462.016	86469.285	882
3	15:52:14	M 1333091.400	516359.530	T 20897730.000	M 873802.540	67602.424	10357.897	M 88652.159	890
x		M 1322571.200	M 515013.710	TM 20788355.000	M 864895.760	M 67091.332	M 10371.914	M 87441.900	M 886
σ		M 10201.262	M 1371.121	TM 107247.780	M 8341.148	M 446.591	M 83.977	M 1110.671	M 3
%RSD		M 0.771	M 0.266	TM 0.516	M 0.964	M 0.666	M 0.810	M 1.270	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	
1	15:50:07	M 70655.508	36166.598	M 7605.380	M 2949.879	424513.500	651896.250	1074743.400	M 2057
2	15:51:10	70006.516	36511.172	7562.344	2960.882	432463.370	665077.550	1096781.100	2046
3	15:52:14	M 72435.434	M 36324.827	7613.787	M 2994.693	431071.550	M 673073.050	M 1109597.500	2086
x		M 71032.486	M 36334.199	M 7593.837	M 2968.485	429349.470	M 663348.950	M 1093707.300	M 2063
σ		M 1257.575	M 172.478	M 27.596	M 23.355	4245.497	M 10693.697	M 17629.192	M 20
%RSD		M 1.770	M 0.475	M 0.363	M 0.787	0.989	M 1.612	M 1.612	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	
1	15:50:07	M 205645.950	M 51962.080	M 128288.850	588490.470	389291.410	293406.410	M 1065693.100	M 19022
2	15:51:10	208041.540	52133.055	128660.040	598138.620	M 432176.810	M 325616.850	M 1074608.800	M 19299
3	15:52:14	209617.120	52740.544	130514.190	605622.550	M 450120.870	M 338389.440	1065868.000	19335
x		M 207768.200	M 52278.559	M 129154.360	597417.210	M 423863.030	M 319137.570	M 1068723.300	M 19219
σ		M 1999.645	M 409.121	M 1192.183	8588.790	M 31255.324	M 23180.898	M 5097.723	M 171
%RSD		M 0.962	M 0.783	M 0.923	1.438	M 7.374	M 7.264	M 0.477	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	
1	15:50:07	284657.960	337131.370	M 305467.270	M 790531.520	M 545440.200	1147864.200	0.000	1207
2	15:51:10	297392.030	343291.590	305552.050	784784.140	M 553056.310	1158127.800	0.000	M 1250
3	15:52:14	M 302000.270	M 354295.950	308993.480	783785.230	555912.880	1167219.900	0.000	M 1281
x		M 294683.420	M 344906.300	M 306670.930	M 786366.960	M 551469.800	1157737.300	0.000	M 1246
σ		M 8982.837	M 8695.471	M 2011.835	M 3641.029	M 5413.594	9683.753	0.000	M 375
%RSD		M 3.048	M 2.521	M 0.656	M 0.463	M 0.982	0.836	0.000	

ICV 11/03/2010 03:56:39 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	15:57:43	T 5241501.400	299005.680	8870.325	173045.430	T 33905957.000	T 21901967.000	T 3046899.000	T 3461068.700
2	15:58:46	T 5211301.900	296043.050	9016.469	172652.060	T 34216166.000	T 22182636.000	T 3082678.600	T 3515115.700
3	15:59:49	T 5238342.700	295613.410	8894.349	174056.460	T 34031705.000	T 22257506.000	T 3083313.000	T 3522792.600
x		T 5230382.000	296887.380	8927.048	173251.320	T 34051276.000	T 22114036.000	T 3070963.600	T 3499659.000
σ		T 16599.161	1847.040	78.367	724.485	T 156027.780	T 187433.770	T 20842.906	T 33639.866
%RSD		T 0.317	0.622	0.878	0.418	T 0.458	T 0.848	T 0.679	T 0.961

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	15:57:43	3468.662	1036588.800	T 28074261.000	1082859.000	407149.700	58.000	185266.770	154471.320
2	15:58:46	3482.667	1067961.600	T 28259123.000	1086128.800	407379.670	22.000	183901.460	155710.190
3	15:59:49	3286.594	1162457.700	T 28381866.000	1103259.200	409278.150	56.000	185091.240	156271.700
x		3412.641	1089002.700	T 28238417.000	1090749.000	407935.840	45.333	184753.160	155484.400
σ		109.384	65519.394	T 154844.310	10956.785	1168.148	20.232	742.793	921.182
%RSD		3.205	6.016	T 0.548	1.005	0.286	44.629	0.402	0.592

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	15:57:43	657277.780	258077.960	T 10847114.000	436466.020	33816.780	5303.547	44054.486	44719.722
2	15:58:46	661107.050	259427.570	T 10874292.000	443179.400	34166.082	5223.500	44671.486	45292.547
3	15:59:49	663111.430	259180.680	T 10922347.000	441542.560	34332.708	5229.504	46072.452	45734.753
x		660498.750	258895.400	T 10881251.000	440395.990	34105.190	5252.184	44932.808	45249.008
σ		2964.011	718.607	T 38096.073	3500.477	263.299	44.583	1034.052	508.914
%RSD		0.449	0.278	T 0.350	0.795	0.772	0.849	2.301	1.125

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	15:57:43	39808.971	19677.674	4272.804	1593.140	416582.980	330330.410	540565.580	98343.063
2	15:58:46	40313.186	19415.912	4330.431	1579.937	419492.290	333857.820	544347.540	98359.237
3	15:59:49	40522.111	19524.945	4390.660	1625.145	421183.870	335579.500	548793.240	97983.209
x		40214.756	19539.510	4331.298	1599.407	419086.380	333255.910	544568.790	98228.503
σ		366.618	131.487	58.933	23.247	2327.147	2675.811	4118.289	212.585
%RSD		0.912	0.673	1.361	1.453	0.555	0.803	0.756	0.216

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	15:57:43	98747.411	27288.896	64947.172	579086.470	203049.150	153064.220	M 1055037.100	M 1904154.200
2	15:58:46	97999.382	26725.225	64487.920	580449.400	220522.610	166437.150	M 1072646.000	M 1924829.900
3	15:59:49	99103.252	26299.988	64500.005	580496.250	227466.190	172273.170	M 1067750.900	M 1936616.200
x		98616.681	26771.370	64645.032	580010.710	217012.650	163924.850	M 1065144.600	M 1921866.800
σ		563.427	496.066	261.730	800.758	12581.248	9847.828	M 9089.167	M 16432.601
%RSD		0.571	1.853	0.405	0.138	5.797	6.008	M 0.853	M 0.855

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	15:57:43	141447.920	165598.650	146746.920	368154.630	273641.310	1119685.200	0.000	570498.160
2	15:58:46	144438.390	170155.650	146566.040	373616.840	278650.060	1129828.700	0.000	596726.180
3	15:59:49	144237.240	171095.030	146456.290	371323.690	274234.800	1112155.600	0.000	597795.090
x		143374.510	168949.780	146589.750	371031.720	275508.720	1120556.500	0.000	588339.810
σ		1671.510	2939.925	146.759	2742.783	2736.613	8868.700	0.000	15460.565
%RSD		1.166	1.740	0.100	0.739	0.993	0.791	0.000	2.628

ICB 11/03/2010 04:04:16 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	16:05:19	T 5216317.300	292127.390	8.000	4823.279	1083577.600	3524.683	456.011	548.017	2252.279
2	16:06:23	T 5273109.500	293684.370	10.000	4535.131	1067055.900	3236.576	472.012	556.017	2316.295
3	16:07:26	T 5326380.100	298712.270	15.000	4118.933	1049864.500	3038.508	404.009	536.016	2204.267
x		T 5271935.600	294841.350	11.000	4492.448	1066832.700	3266.589	444.011	546.683	2257.614
σ		T 55040.767	3441.526	3.606	354.108	16857.649	244.473	35.554	10.067	56.204
%RSD		T 1.044	1.167	32.778	7.882	1.580	7.484	8.008	1.841	2.490

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	16:05:19	3504.675	1075775.400	681734.060	1940.207	396598.290	26.000	12514.608	1268.088	3882.829
2	16:06:23	3532.686	1016275.900	680761.050	1840.186	401009.620	26.000	10291.822	1228.083	3152.547
3	16:07:26	3600.713	1044804.300	666719.520	1812.181	398916.480	38.000	9112.565	1214.081	2800.431
x		3546.025	1045618.500	676404.880	1864.191	398841.460	30.000	10639.665	1236.751	3278.602
σ		49.389	29758.116	8401.860	67.304	2206.623	6.928	1727.490	28.028	552.099
%RSD		1.393	2.846	1.242	3.610	0.553	23.094	16.236	2.266	16.839

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	16:05:19	8147.650	446.011	149881.440	34.000	218.003	184.002	1006.056	300.005	66.000
2	16:06:23	8103.610	500.014	149924.140	40.000	208.002	186.002	838.039	340.006	42.000
3	16:07:26	8219.714	522.015	148415.690	40.000	224.003	142.001	894.044	300.005	62.000
x		8156.991	489.347	149407.090	38.000	216.669	170.668	912.713	313.339	56.667
σ		58.613	39.109	858.844	3.464	8.083	24.847	85.550	23.095	12.858
%RSD		0.719	7.992	0.575	9.116	3.731	14.558	9.373	7.371	22.691
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
1	16:05:19	224.003	1692.158	852.840	149.001	404457.430	1892.197	2892.460	28.000	2.000
2	16:06:23	226.003	1440.114	889.043	143.201	418839.190	1496.123	2306.293	22.000	2.000
3	16:07:26	210.002	1190.078	881.643	141.401	414210.170	1208.080	1932.205	16.000	4.000
x		220.003	1440.783	874.509	144.534	412502.260	1532.133	2376.986	22.000	2.667
σ		8.718	251.040	19.127	3.972	7341.419	343.477	484.015	6.000	1.155
%RSD		3.963	17.424	2.187	2.748	1.780	22.418	20.363	27.273	43.301
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
1	16:05:19	26.000	14.000	12.000	556448.190	7687.049	5783.639	54.000	116.001	541309.980
2	16:06:23	8.000	0.000	12.000	562334.320	6067.224	4600.564	82.000	140.001	555105.730
3	16:07:26	12.000	4.000	18.000	564298.610	4898.920	3750.373	62.000	74.000	552077.410
x		15.333	6.000	14.000	561027.040	6217.731	4711.526	66.000	110.001	549497.710
σ		9.452	7.211	3.464	4085.220	1400.145	1021.164	14.422	33.407	7250.646
%RSD		61.641	120.185	24.744	0.728	22.519	21.674	21.852	30.370	1.320
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
1	16:05:19	4096.923	4819.277	78.000	124.001	592.019	1082432.400	0.000	7817.360	144.001
2	16:06:23	3576.704	4034.895	48.000	150.001	560.017	1086124.300	2.000	5793.846	128.001
3	16:07:26	3178.556	3644.731	60.000	116.001	502.014	1102606.700	0.000	4619.173	94.000
x		3617.394	4166.301	62.000	130.001	551.350	1090387.800	0.667	6076.793	122.001
σ		460.534	598.198	15.100	17.777	45.624	10741.650	1.155	1617.759	25.535
%RSD		12.731	14.358	24.354	13.674	8.275	0.985	173.205	26.622	20.930

ICSA 11/03/2010 04:11:53 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	
1	16:12:56	T 4201656.900	242093.140	18.000	16454.879	TM 226069040.000	TM 146965150.000	TM 20556799.000	TM
2	16:13:59	T 4229700.900	241374.410	13.000	16128.294	TM 228092920.000	TM 148711290.000	TM 20947913.000	TM
3	16:15:03	T 4178308.400	237719.980	12.000	16246.504	TM 233602770.000	TM 151765520.000	TM 21440656.000	TM
x		T 4203222.100	240395.840	14.333	16276.559	TM 229254910.000	TM 149147320.000	TM 20981789.000	TM
σ		T 25731.973	2345.064	3.215	165.354	TM 3898962.400	TM 2429710.800	TM 442901.500	
%RSD		T 0.612	0.976	22.427	1.016	TM 1.701	TM 1.629	TM 2.111	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V
1	16:12:56	T 9054943.900	1042188.000	TM 182661340.000	TM 7041737.100	333893.080	419877.470	62280.610
2	16:13:59	T 9150270.100	1070167.800	TM 183498420.000	TM 7233052.200	344763.760	426983.230	64006.536
3	16:15:03	T 9263455.300	1025165.900	TM 187331510.000	TM 7318565.900	346313.010	433161.450	64653.087
x		T 9156223.100	1045840.600	TM 184497090.000	TM 7197785.000	341656.610	426674.050	63646.744
σ		T 104383.100	22722.254	TM 2490104.300	TM 141744.040	6767.894	6647.385	1226.478
%RSD		T 1.140	2.173	TM 1.350	TM 1.969	1.981	1.558	1.927

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu
1	16:12:56	TM 20962693.000	1380.105	TM 351106420.000	390.008	730.029	814.036	1576.137
2	16:13:59	TM 21172798.000	1408.109	TM 351200990.000	454.011	704.027	914.046	1530.129
3	16:15:03	TM 21204452.000	1486.122	TM 353994940.000	408.009	728.029	1012.056	1534.129
x		TM 21113314.000	1424.778	TM 352100780.000	417.343	720.695	913.380	1546.798
σ		TM 131398.480	54.939	TM 1641073.000	33.007	14.469	99.012	25.486
%RSD		TM 0.622	3.856	TM 0.466	7.909	2.008	10.840	1.648

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo
1	16:12:56	1760.170	4734.432	877.042	117.201	345054.480	M 2407992.300	TM 3526950.900
2	16:13:59	1756.170	4601.564	1013.457	119.201	346695.170	M 2435372.400	TM 3578360.900
3	16:15:03	1640.148	4586.757	1114.068	123.801	348892.890	TM 2189301.800	TM 3586663.300
x		1718.829	4640.918	1001.522	120.067	346880.850	TM 2344222.200	TM 3563991.700
σ		68.169	81.324	118.963	3.384	1925.931	TM 134861.650	TM 32345.758
%RSD		3.966	1.752	11.878	2.819	0.555	TM 5.753	TM 0.908

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba
1	16:12:56	460.012	940.049	1600.141	481658.420	4111.730	3106.931	348.007
2	16:13:59	460.012	944.049	1624.145	482244.290	3710.757	2819.237	258.004
3	16:15:03	446.011	848.040	1588.139	484604.990	3385.630	2574.565	300.005
x		455.345	910.712	1604.142	482835.900	3736.039	2833.578	302.005
σ		8.083	54.313	18.334	1559.829	363.709	266.473	45.035
%RSD		1.775	5.964	1.143	0.323	9.735	9.404	14.912

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg
1	16:12:56	2382.312	2922.470	86.000	196.002	2116.246	884390.670	0.000
2	16:13:59	2174.260	2562.361	92.000	246.003	1888.196	894596.480	0.000
3	16:15:03	2172.260	2480.338	92.000	242.003	2036.228	880243.700	0.000
x		2242.944	2655.056	90.000	228.003	2013.557	886410.280	0.000
σ		120.701	235.190	3.464	27.786	115.703	7386.452	0.000
%RSD		5.381	8.858	3.849	12.186	5.746	0.833	0.000

ICSAB 11/03/2010 04:19:30 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	
1	16:20:33	T 4155301.300	236476.160	5001.375	54911.340	TM 227497490.000	TM 147046190.000	TM 20894421.000	TM
2	16:21:37	T 4107472.900	236275.040	5085.422	55981.839	TM 231316110.000	TM 149789070.000	TM 21219914.000	TM
3	16:22:40	T 4095265.100	232811.370	5126.445	55474.745	TM 233127840.000	TM 149669310.000	TM 21387089.000	TM
x		T 4119346.400	235187.520	5071.081	55455.974	TM 230647150.000	TM 148834860.000	TM 21167141.000	TM
σ		T 31730.431	2060.263	63.756	535.496	TM 2874169.400	TM 1550183.300	TM 250537.390	
%RSD		T 0.770	0.876	1.257	0.966	TM 1.246	TM 1.042	TM 1.184	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V
1	16:20:33	T 8970156.800	1078852.000	TM 185031470.000	TM 7166190.100	342305.430	418904.080	168521.630
2	16:21:37	T 9075444.100	1086353.400	TM 185504310.000	TM 7241478.100	344344.300	422781.530	169016.690
3	16:22:40	T 9142477.400	1090693.900	TM 185205230.000	TM 7216772.900	345461.510	422126.100	165963.210
x		T 9062692.800	1085299.700	TM 185247010.000	TM 7208147.000	344037.080	421270.570	167833.840
σ		T 86865.074	5990.868	TM 239170.700	TM 38378.085	1600.313	2075.479	1638.822
%RSD		T 0.958	0.552	TM 0.129	TM 0.532	0.465	0.493	0.976

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu

1	16:20:33	TM 21088120.000	161054.090	TM 344308910.000	120017.030	46263.418	7927.455	61795.315
2	16:21:37	TM 21007119.000	163721.100	TM 355831810.000	123312.700	46703.660	8143.646	61142.926
3	16:22:40	TM 21104672.000	162332.530	TM 353429370.000	121504.590	46792.113	M 8656.119	62081.253
x		TM 21066637.000	162369.240	TM 351190030.000	121611.440	46586.397	M 8242.407	61673.165
σ		TM 52204.329	1333.884	TM 6079085.600	1650.430	283.183	M 374.237	480.942
%RSD		TM 0.248	0.822	TM 1.731	1.357	0.608	M 4.540	0.780

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo
1	16:20:33	50576.298	16541.035	3292.596	962.251	344842.670	M 2372829.600	TM 3487173.600
2	16:21:37	49930.744	16918.929	3486.669	975.052	347725.420	TM 2174555.800	TM 3562174.300
3	16:22:40	50902.109	16831.567	3537.688	962.851	347077.340	M 2413572.400	TM 3567920.900
x		50469.717	16763.844	3438.984	966.718	346548.470	TM 2320319.200	TM 3539089.600
σ		494.375	197.841	129.317	7.224	1512.394	TM 127868.020	TM 45052.274
%RSD		0.980	1.180	3.760	0.747	0.436	TM 5.511	TM 1.273

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba
1	16:20:33	63899.789	18739.294	44755.899	479989.530	M 357158.560	M 266368.420	295055.720
2	16:21:37	63652.060	18424.652	44794.087	481768.000	M 356125.180	M 268059.250	294171.760
3	16:22:40	63204.957	18665.142	45288.527	493298.350	M 359694.460	M 266572.270	294320.450
x		63585.602	18609.696	44946.171	485018.630	M 357659.400	M 266999.980	294515.980
σ		352.151	164.486	297.103	7225.376	M 1836.592	M 922.998	473.308
%RSD		0.554	0.884	0.661	1.490	M 0.514	M 0.346	0.161

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg
1	16:20:33	92114.325	107837.820	80864.052	203813.370	152915.340	882134.460	0.000
2	16:21:37	92395.154	106376.760	80664.289	202191.750	151908.680	855092.730	0.000
3	16:22:40	92678.011	106516.380	80712.716	205218.450	149950.570	835940.410	0.000
x		92395.830	106910.320	80747.019	203741.190	151591.530	857722.530	0.000
σ		281.843	806.268	104.206	1514.639	1507.618	23209.038	0.000
%RSD		0.305	0.754	0.129	0.743	0.995	2.706	0.000

CCV 11/03/2010 04:27:06 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	16:28:09	T 4681690.200	264080.710	3134.540	63070.024	T 14235602.000	T 8481944.900	1214766.200	1377899.200	8
2	16:29:13	T 4683354.900	262508.140	3054.513	63823.254	T 14332390.000	T 8606732.900	1229262.600	1374552.800	8
3	16:30:16	T 4799222.800	268243.980	3216.569	64661.144	T 14452846.000	T 8624142.800	1234484.200	1391843.100	8
x		T 4721422.600	264944.280	3135.207	63851.474	T 14340279.000	T 8570940.200	1226171.000	1381431.700	8
σ		T 67382.058	2963.828	81.030	795.935	T 108837.110	T 77562.231	10216.108	9170.502	
%RSD		T 1.427	1.119	2.585	1.247	T 0.759	T 0.905	0.833	0.664	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	16:28:09	4899.320	1050334.400	T 11832447.000	408809.770	389943.480	204.002	95426.224	55641.761	
2	16:29:13	4004.882	1092725.500	T 11765171.000	411260.680	397588.150	160.001	89207.552	56263.570	
3	16:30:16	3760.778	1053570.700	T 11834022.000	412862.910	394815.130	94.000	86739.844	57734.751	
x		4221.660	1065543.600	T 11810547.000	410977.790	394115.590	152.668	90457.874	56546.694	
σ		599.428	23595.842	T 39304.683	2041.327	3870.047	55.366	4476.134	1074.836	
%RSD		14.199	2.214	T 0.333	0.497	0.982	36.266	4.948	1.901	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	16:28:09	244046.340	95595.994	T 4224875.600	149173.950	12236.229	2210.269	16829.563	16829.563	
2	16:29:13	245354.860	97558.679	T 4277347.200	151093.260	12314.335	2256.280	16691.309	17214.283	
3	16:30:16	248710.210	99058.771	T 4274527.200	153214.320	12917.170	2228.273	16643.221	17344.530	
x		246037.140	97404.481	T 4258916.600	151160.510	12489.245	2231.607	16721.364	17129.459	
σ		2405.631	1736.531	T 29514.123	2021.023	372.646	23.186	96.739	267.757	
%RSD		0.978	1.783	T 0.693	1.337	2.984	1.039	0.579	1.563	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	
1	16:28:09	13293.713	8433.910	2403.118	685.626	395621.060	123284.320	198653.010	38149.880	
2	16:29:13	13301.724	8227.722	2370.709	702.027	404332.030	126349.980	203308.240	37971.134	
3	16:30:16	13409.883	8152.454	2352.304	703.627	404419.810	125881.550	200793.260	38398.925	
x		13335.107	8271.362	2375.377	697.093	401457.630	125171.950	200918.170	38173.313	
σ		64.882	145.715	25.726	9.963	5054.813	1651.429	2330.130	214.856	
%RSD		0.487	1.762	1.083	1.429	1.259	1.319	1.160	0.563	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	16:28:09	39085.843	10007.505	24135.998	556146.540	65073.269	49043.132	186466.930	318482.680	52
2	16:29:13	38985.414	9905.394	24458.859	559656.420	75361.273	56795.060	187567.220	323316.910	53
3	16:30:16	38700.199	10520.083	24673.437	558130.780	81479.511	60905.339	193832.610	329368.430	54
x		38923.819	10144.327	24422.765	557977.910	73971.351	55581.177	189288.920	323722.670	5
σ		200.065	329.395	270.532	1759.924	8290.966	6023.548	3973.223	5454.209	
%RSD		0.514	3.247	1.108	0.315	11.208	10.837	2.099	1.685	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	16:28:09	51670.425	61048.293	53169.029	134434.700	94894.704	997926.330	0.000	178270.960	2
2	16:29:13	53329.967	62266.514	53716.231	135404.940	96238.722	1026165.800	0.000	194079.800	2
3	16:30:16	54016.000	63126.414	54788.602	136606.720	97508.142	1021832.000	0.000	202719.310	2
x		53005.464	62147.074	53891.288	135482.120	96213.856	1015308.000	0.000	191690.020	2
σ		1205.988	1044.196	823.856	1088.065	1306.896	15208.169	0.000	12398.135	
%RSD		2.275	1.680	1.529	0.803	1.358	1.498	0.000	6.468	

CCB 11/03/2010 04:34:41 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	16:35:45	T 4884250.900	273835.020	14.000	2898.462	1295440.200	14565.659	2164.258	2304.292	14405.404
2	16:36:48	T 4843124.100	271992.940	15.000	2584.367	1286782.200	17520.868	2432.325	2824.439	17070.011
3	16:37:52	T 4874838.900	274181.220	9.000	2466.334	1274118.700	13427.910	1884.195	2148.254	13652.243
x		T 4867404.700	273336.390	12.667	2649.721	1285447.100	15171.479	2160.259	2425.662	15042.553
σ		T 21547.733	1176.272	3.215	223.354	10723.285	2112.662	274.087	354.054	1795.760
%RSD		T 0.443	0.430	25.378	8.429	0.834	13.925	12.688	14.596	11.938

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	16:35:45	4040.898	1055520.700	1089170.500	2176.261	391850.930	80.000	32463.861	1276.090	10149.663
2	16:36:48	4186.964	1067080.600	1075901.000	2352.304	389200.640	122.001	28544.744	1250.086	8998.451
3	16:37:52	3948.858	1046175.300	1050799.900	2420.322	392978.050	96.001	26277.924	1288.091	8095.603
x		4058.906	1056258.900	1071957.100	2316.296	391343.210	99.334	29095.510	1271.422	9081.239
σ		120.070	10472.174	19486.959	125.952	1939.210	21.198	3129.531	19.428	1029.529
%RSD		2.958	0.991	1.818	5.438	0.496	21.340	10.756	1.528	11.337

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	16:35:45	9567.031	560.017	179627.270	48.000	232.003	298.005	690.026	334.006	108.001
2	16:36:48	10217.739	582.019	185644.350	74.000	212.002	256.004	642.023	352.007	78.000
3	16:37:52	9440.900	588.019	180004.620	42.000	174.002	274.004	670.025	282.004	92.000
x		9741.890	576.685	181758.750	54.667	206.002	276.004	667.358	322.672	92.667
σ		416.895	14.743	3370.318	17.010	29.462	21.072	24.113	36.351	15.011
%RSD		4.279	2.557	1.854	31.116	14.302	7.635	3.613	11.266	16.199

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	16:35:45	224.003	1836.185	986.854	148.401	397542.200	2218.271	3560.697	32.000	2.000
2	16:36:48	232.003	1582.138	936.448	143.001	398264.820	1974.214	3112.533	40.000	6.000
3	16:37:52	244.003	1452.516	940.849	140.801	405686.410	1720.163	2910.466	10.000	0.000
x		233.336	1623.613	954.717	144.068	400497.810	1970.883	3194.565	27.333	2.667
σ		10.067	195.168	27.918	3.911	4507.963	249.071	332.787	15.535	3.055
%RSD		4.314	12.021	2.924	2.715	1.126	12.638	10.417	56.835	114.564

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	16:35:45	20.000	6.000	28.000	546698.510	3829.206	2817.437	56.000	118.001	528733.240
2	16:36:48	16.000	2.000	34.000	554277.410	2996.894	2254.479	84.000	156.001	535899.100
3	16:37:52	14.000	6.000	10.000	559414.170	2430.925	1851.789	82.000	136.001	537777.290
x		16.667	4.667	24.000	553463.360	3085.675	2307.901	74.000	136.668	534136.540
σ		3.055	2.309	12.490	6396.794	703.356	485.035	15.621	19.009	4772.699
%RSD		18.330	49.487	52.042	1.156	22.794	21.016	21.109	13.909	0.894

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	16:35:45	1396.107	1666.153	88.000	216.003	562.017	1028983.200	0.000	4068.910	104.001
2	16:36:48	1342.099	1486.122	80.000	190.002	544.016	1036220.100	0.000	3004.496	102.001
3	16:37:52	1268.088	1400.108	68.000	158.001	532.016	1045157.600	0.000	2462.333	100.001
x		1335.432	1517.461	78.667	188.002	546.016	1036787.000	0.000	3178.580	102.001
σ		64.269	135.763	10.067	29.052	15.101	8102.128	0.000	817.313	2.000
%RSD		4.813	8.947	12.796	15.453	2.766	0.781	0.000	25.713	1.961

MB 200-8516/1-A 11/03/2010 04:42:17 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	16:43:21	T 4982426.000	280134.660	5.000	2398.316	1337006.700	10808.421	1576.137	1652.150	15164.638
2	16:44:24	T 4986374.300	282547.630	12.000	2376.311	1304574.600	7481.077	1140.072	1032.059	11701.526
3	16:45:27	T 5040562.700	282976.670	6.000	2358.306	1303931.400	6986.684	996.055	1092.066	10888.517
x		T 5003121.000	281886.320	7.667	2377.644	1315170.900	8425.394	1237.421	1258.758	12584.894
σ		T 32485.491	1532.079	3.786	20.039	18913.086	2078.514	302.045	342.006	2270.805
%RSD		T 0.649	0.544	49.382	0.843	1.438	24.670	24.409	27.170	18.044

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	16:43:21	6486.313	1028152.600	1006021.900	3040.508	396957.460	106.001	32833.184	3088.525	10506.067
2	16:44:24	6676.451	1025485.000	980431.520	3052.512	403479.380	222.003	28542.738	3110.532	9172.625
3	16:45:27	6534.348	1011456.200	984666.660	3104.530	406079.390	82.000	25794.543	3222.571	8039.553
x		6565.704	1021697.900	990373.360	3065.850	402172.080	136.668	29056.822	3140.543	9239.415
σ		98.871	8969.336	13716.480	34.031	4699.378	74.870	3547.369	71.886	1234.613
%RSD		1.506	0.878	1.385	1.110	1.168	54.782	12.208	2.289	13.362

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
1	16:43:21	25112.638	2752.417	350964.380	56.000	338.006	222.003	1356.101	1754.169	312.005
2	16:44:24	24795.770	2966.484	344890.430	40.000	332.006	230.003	1372.104	1608.142	304.005
3	16:45:27	24900.054	2920.469	350825.160	64.000	346.007	216.003	1436.113	1734.165	332.006
x		24936.154	2879.790	348893.330	53.333	338.673	222.669	1388.106	1698.826	316.006
σ		161.489	112.682	3467.309	12.220	7.024	7.024	42.339	79.168	14.423
%RSD		0.648	3.913	0.994	22.913	2.074	3.154	3.050	4.660	4.564

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	16:43:21	1196.079	1756.570	879.243	151.601	408211.780	1346.100	2126.249	14.000	2.000
2	16:44:24	1170.075	1501.324	920.247	145.601	421054.060	1100.067	1928.205	8.000	2.000
3	16:45:27	1296.092	1370.503	929.448	145.401	416428.130	994.054	1632.147	6.000	6.000
x		1220.749	1542.799	909.646	147.535	415231.320	1146.740	1895.533	9.333	3.333
σ		66.532	196.347	26.729	3.523	6504.255	180.604	248.666	4.163	2.309
%RSD		5.450	12.727	2.938	2.388	1.566	15.749	13.119	44.607	69.282

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	16:43:21	12.000	10.000	1278.090	569470.640	2218.271	1699.359	50.000	122.001	555042.010
2	16:44:24	8.000	4.000	1264.088	568777.180	1766.772	1314.695	50.000	64.000	564336.880
3	16:45:27	6.000	14.000	1158.074	573777.170	1464.118	1090.065	76.000	82.000	561067.530
x		8.667	9.333	1233.417	570675.000	1816.387	1368.040	58.667	89.334	560148.810
σ		3.055	5.033	65.624	2708.844	379.517	308.130	15.011	29.688	4715.048
%RSD		35.251	53.927	5.320	0.475	20.894	22.523	25.587	33.232	0.842

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	16:43:21	4593.160	5249.515	72.000	176.002	616.021	1073415.300	0.000	5035.394	64.000
2	16:44:24	4126.936	4817.276	68.000	188.002	600.020	1094240.600	2.000	3252.582	38.000
3	16:45:27	3366.623	4116.932	54.000	144.001	590.019	1073460.200	0.000	2632.381	38.000
x		4028.907	4727.908	64.667	169.335	602.020	1080372.000	0.667	3640.119	46.667
σ		619.117	571.556	9.452	22.745	13.116	12010.514	1.155	1247.500	15.011
%RSD		15.367	12.089	14.616	13.432	2.179	1.112	173.205	34.271	32.167

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	16:50:55	T 4910181.900	277462.560	8326.812	162568.690	T 33859872.000	T 21467527.000	T 3006729.500	T 3385614.200
2	16:51:59	T 4937052.000	282832.280	8462.937	163627.430	T 34002481.000	T 21765315.000	T 3042686.700	T 3431726.700
3	16:53:02	T 4929582.200	279276.860	8266.757	164338.080	T 34438871.000	T 21990482.000	T 3060221.200	T 3448445.800
x		T 4925605.400	279857.230	8352.169	163511.400	T 34100408.000	T 21741108.000	T 3036545.800	T 3421928.900
σ		T 13869.446	2731.505	100.518	890.383	T 301665.760	T 262316.450	T 27269.492	T 32541.508
%RSD		T 0.282	0.976	1.203	0.545	T 0.885	T 1.207	T 0.898	T 0.951

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	16:50:55	6298.181	1007864.200	T 27715588.000	1070468.300	399025.100	84.000	184595.310	147285.530
2	16:51:59	6618.408	1062620.800	T 28200045.000	1062515.500	401912.200	128.001	184044.310	148289.660
3	16:53:02	6620.410	1060635.800	T 28020695.000	1074456.200	402004.130	110.001	180545.180	150519.860
x		6512.333	1043706.900	T 27978776.000	1069146.700	400980.470	107.334	183061.600	148698.350
σ		185.464	31056.574	T 244933.990	6079.103	1694.030	22.121	2196.627	1655.445
%RSD		2.848	2.976	T 0.875	0.569	0.422	20.610	1.200	1.113

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	16:50:55	644163.140	250868.310	T 10589245.000	407247.960	31368.024	4903.322	41006.275	43331.021
2	16:51:59	653179.640	257123.480	T 10789103.000	414869.220	32092.546	5125.445	41711.473	43696.766
3	16:53:02	653851.450	255988.110	T 10809994.000	416122.600	32247.092	5057.406	42708.084	43757.055
x		650398.080	254659.970	T 10729447.000	412746.590	31902.554	5028.724	41808.611	43594.947
σ		5410.051	3332.380	T 121867.280	4803.018	469.322	113.805	855.053	230.546
%RSD		0.832	1.309	T 1.136	1.164	1.471	2.263	2.045	0.529

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	16:50:55	38810.668	18217.034	3976.269	1457.317	407881.430	320253.280	522906.280	94672.404
2	16:51:59	39499.626	18615.841	4045.900	1492.323	412678.830	324715.450	527424.400	95343.362
3	16:53:02	38951.268	18090.782	4116.932	1473.319	421439.310	324833.560	530775.230	94963.416
x		39087.187	18307.886	4046.367	1474.320	413999.860	323267.430	527035.300	94993.060
σ		364.035	274.066	70.332	17.524	6874.799	2611.001	3948.875	336.460
%RSD		0.931	1.497	1.738	1.189	1.661	0.808	0.749	0.354

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	16:50:55	95112.967	25832.651	63390.240	582408.960	229099.640	173194.020	M 1056613.300	M 1909212.900
2	16:51:59	97679.971	25930.930	64286.501	579052.390	231221.560	174459.270	M 1073749.600	M 1925534.400
3	16:53:02	96345.848	26227.780	64463.749	589492.360	232105.260	176061.720	M 1073455.700	M 1905343.000
x		96379.595	25997.120	64046.830	583651.240	230808.820	174571.670	M 1067939.500	M 1913363.400
σ		1283.835	205.712	575.489	5329.696	1544.732	1437.152	M 9809.887	M 10716.493
%RSD		1.332	0.791	0.899	0.913	0.669	0.823	M 0.919	M 0.560

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	16:50:55	156355.120	184360.620	145389.370	368210.840	271358.390	1100730.400	2.000	601788.050
2	16:51:59	157636.970	184264.710	145738.900	363606.980	272415.300	1122990.000	2.000	599557.670
3	16:53:02	158123.310	184260.620	146651.400	366435.210	272003.240	1120505.700	0.000	614890.720
x		157371.800	184295.320	145926.560	366084.350	271925.640	1114742.000	1.333	605412.150
σ		913.434	56.592	651.606	2321.897	532.713	12197.851	1.155	8284.092
%RSD		0.580	0.031	0.447	0.634	0.196	1.094	86.603	1.368

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	16:58:30	T 4763282.200	268779.450	16.000	3702.754	T 32157367.000	T 8022957.000	1128836.000	1276225.900
2	16:59:33	T 4820522.500	273167.370	18.000	3570.701	T 32325857.000	T 8067732.700	1137588.900	1295302.500
3	17:00:37	T 4882607.600	272817.090	14.000	3176.555	T 33229208.000	T 8225672.800	1164058.400	1317213.400
x		T 4822137.400	271587.970	16.000	3483.337	T 32570810.000	T 8105454.200	1143494.400	1296247.300
σ		T 59679.069	2438.548	2.000	273.762	T 576378.740	T 106492.260	18338.809	20510.091
%RSD		T 1.238	0.898	12.500	7.859	T 1.770	T 1.314	1.604	1.582

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	16:58:30	T 7327244.000	1020727.600	TM 79858295.000	TM 8634184.400	376556.470	18071.945	28115.409	16286.576
2	16:59:33	T 7434068.800	1012858.200	TM 81200164.000	TM 8720570.700	388061.460	18023.850	25371.354	16861.623
3	17:00:37	T 7615877.300	1021191.700	TM 83302900.000	TM 8959332.800	393733.710	18422.648	21874.285	16949.787
x		T 7459063.400	1018259.200	TM 81453786.000	TM 8771362.600	386117.220	18172.814	25120.350	16699.328
σ		T 145930.960	4683.158	TM 1736251.700	TM 168419.820	8752.112	217.695	3128.124	360.162
%RSD		T 1.956	0.460	TM 2.132	TM 1.920	2.267	1.198	12.453	2.157

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	16:58:30	55722.252	135344.050	906578.790	700.027	1780.174	474.012	3762.779	M 228639.470
2	16:59:33	57358.380	138503.090	926841.260	634.022	1926.204	392.008	3742.770	M 229152.140
3	17:00:37	57587.824	141726.200	930431.720	620.021	1892.197	422.010	3628.724	M 236761.450
x		56889.485	138524.450	921283.920	651.357	1866.192	429.344	3711.424	M 231517.690
σ		1017.343	3191.132	12860.932	42.727	76.409	41.491	72.316	M 4548.458
%RSD		1.788	2.304	1.396	6.560	4.094	9.664	1.948	M 1.965

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	16:58:30	M 164969.360	1604.942	1085.865	245.603	395558.420	1628.146	2644.385	60.000
2	16:59:33	M 165274.830	1268.889	1126.270	239.803	399334.240	1508.125	2334.300	40.000
3	17:00:37	M 167370.660	1062.462	1148.273	247.403	402547.390	1212.081	2202.267	40.000
x		M 165871.620	1312.097	1120.136	244.270	399146.680	1449.451	2393.650	46.667
σ		M 1307.162	273.809	31.653	3.972	3498.260	214.148	226.956	11.547
%RSD		M 0.788	20.868	2.826	1.626	0.876	14.774	9.482	24.744

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	16:58:30	54.000	28.000	630.022	550162.390	965.251	878.442	16859.619	28727.318
2	16:59:33	68.000	14.000	636.022	558487.730	754.031	606.020	17326.496	29120.566
3	17:00:37	40.000	38.000	616.021	557098.240	692.026	524.815	17354.549	29038.303
x		54.000	26.667	627.355	555249.450	803.770	669.759	17180.221	28962.062
σ		14.000	12.055	10.264	4459.969	143.242	185.230	278.004	207.414
%RSD		25.926	45.208	1.636	0.803	17.821	27.656	1.618	0.716

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	16:58:30	3066.517	3762.779	132.001	342.006	2320.296	1057986.100	0.000	3022.502
2	16:59:33	2702.402	3324.608	88.000	252.003	2474.337	1072706.500	0.000	2244.277
3	17:00:37	2514.348	2976.487	78.000	214.003	2712.405	1067428.100	0.000	1816.181
x		2761.089	3354.625	99.334	269.337	2502.346	1066040.200	0.000	2360.987
σ		280.724	394.004	28.729	65.739	197.549	7457.729	0.000	611.571
%RSD		10.167	11.745	28.922	24.408	7.895	0.700	0.000	25.903

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	17:06:04	T 4946143.900	280901.790	10.000	2620.378	T 16800424.000	T 5140729.600	712158.970	801509.110	2
2	17:07:08	T 4992371.500	282593.010	8.000	2598.371	T 16933845.000	T 5198581.600	723854.730	803423.530	2
3	17:08:11	T 4966589.900	285068.530	12.000	2542.355	T 17163284.000	T 5216661.200	725956.840	812036.680	2
x		T 4968368.400	282854.440	10.000	2587.035	T 16965851.000	T 5185324.200	720656.850	805656.440	2
σ		T 23165.082	2095.635	2.000	40.227	T 183535.400	T 39663.844	7434.055	5607.748	
%RSD		T 0.466	0.741	20.000	1.555	T 1.082	T 0.765	1.032	0.696	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	17:06:04	T 2356755.900	986604.870	TM 94760629.000	347933.140	402355.160	5903.917	34768.359	6292.177	1
2	17:07:08	T 2380594.100	1009862.800	TM 95782866.000	346969.330	402593.360	5717.798	28482.549	6436.278	
3	17:08:11	T 2377164.200	1013393.100	TM 96521443.000	346819.790	405527.560	5715.796	24737.611	6704.471	
x		T 2371504.800	1003286.900	TM 95688313.000	347240.750	403492.030	5779.170	29329.507	6477.642	
σ		T 12887.453	14554.530	TM 884207.040	604.269	1766.840	108.038	5068.726	209.237	
%RSD		T 0.543	1.451	TM 0.924	0.174	0.438	1.869	17.282	3.230	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	17:06:04	21723.925	8660.123	249581.610	158.001	600.020	252.003	2478.338	M 119613.770	M 1
2	17:07:08	22040.686	8660.123	247479.300	142.001	524.015	204.002	2590.369	M 119820.460	M 1
3	17:08:11	22002.594	8620.085	249807.700	98.001	570.018	208.002	2594.370	M 121214.760	M 1
x		21922.402	8646.777	248956.200	132.668	564.684	221.336	2554.359	M 120216.330	M 1
σ		172.938	23.116	1284.024	31.070	38.282	26.634	65.867	M 870.823	
%RSD		0.789	0.267	0.516	23.420	6.779	12.033	2.579	M 0.724	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	1
1	17:06:04	M 85726.298	1484.121	1104.267	218.603	415001.040	484.013	878.042	20.000	
2	17:07:08	M 85544.599	1224.883	1074.264	221.003	419517.410	470.012	804.036	22.000	
3	17:08:11	M 87121.467	1037.659	1116.669	229.603	420585.080	438.011	708.028	16.000	
x		M 86130.788	1248.888	1098.400	223.069	418367.840	464.012	796.702	19.333	
σ		M 862.750	224.197	21.803	5.784	2964.206	23.581	85.244	3.055	
%RSD		M 1.002	17.952	1.985	2.593	0.709	5.082	10.700	15.802	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	17:06:04	10.000	14.000	1080.064	570870.470	541.616	379.008	640.023	1020.057	56
2	17:07:08	14.000	26.000	1034.059	573215.340	485.013	348.407	562.017	970.052	56
3	17:08:11	12.000	14.000	1056.061	594473.540	418.210	312.805	576.018	926.047	56
x		12.000	18.000	1056.728	579519.790	481.613	346.740	592.686	972.052	56
σ		2.000	6.928	23.010	13003.298	61.773	33.133	41.588	47.037	
%RSD		16.667	38.490	2.177	2.244	12.826	9.555	7.017	4.839	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	17:06:04	2234.275	2710.404	60.000	146.001	958.050	1083613.500	0.000	1332.098
2	17:07:08	1976.215	2442.328	74.000	192.002	838.039	1095616.400	0.000	1214.081
3	17:08:11	1994.219	2320.296	46.000	138.001	864.041	1076592.100	0.000	986.053
x		2068.236	2491.009	60.000	158.668	886.710	1085274.000	0.000	1177.411
σ		144.075	199.558	14.000	29.144	63.136	9620.234	0.000	175.912
%RSD		6.966	8.011	23.333	18.368	7.120	0.886	0.000	14.941

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	17:13:39	T 4752760.400	271032.890	40.000	235554.700	T 11131564.000	T 7186143.400	1019208.500	1140642.300
2	17:14:43	T 4657039.700	265991.220	39.000	233595.100	T 11002544.000	T 7194393.600	1005090.900	1134893.100
3	17:15:46	T 4628718.400	264747.700	45.000	234054.690	T 11058876.000	T 7175669.700	1007460.900	1141717.600
x		T 4679506.200	267257.270	41.333	234401.500	T 11064328.000	T 7185402.200	1010586.800	1139084.300
σ		T 65001.244	3328.377	3.215	1024.800	T 64682.167	T 9383.923	7560.112	3669.317
%RSD		T 1.389	1.245	7.777	0.437	T 0.585	T 0.131	0.748	0.322
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**
1	17:13:39	218074.610	969563.400	T 22107376.000	TM 3131421.300	380779.010	6236.138	46665.465	10880.507
2	17:14:43	217208.230	969707.630	T 22192164.000	TM 3139656.300	380887.410	6280.169	40395.550	10834.452
3	17:15:46	216772.010	992221.670	T 21941899.000	TM 3134748.000	381271.000	6192.108	36458.963	10758.362
x		217351.620	977164.230	T 22080480.000	TM 3135275.200	380979.140	6236.138	41173.326	10824.441
σ		663.033	13040.319	T 127281.960	TM 4142.763	258.504	44.030	5147.511	61.685
%RSD		0.305	1.335	T 0.576	TM 0.132	0.068	0.706	12.502	0.570
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**
1	17:13:39	1055055.000	TM 3618515.500	T 17369488.000	5101.431	2986.491	622.021	7214.862	41185.081
2	17:14:43	1049915.900	TM 3604696.700	T 17321160.000	4961.354	3054.513	544.016	7310.939	41560.785
3	17:15:46	1060801.600	TM 3634413.100	T 17362366.000	5213.495	3128.538	622.021	7312.940	40960.068
x		1055257.500	TM 3619208.400	T 17351004.000	5092.093	3056.514	596.020	7279.580	41235.311
σ		5445.633	TM 14870.291	T 26090.398	126.330	71.045	45.036	56.057	303.492
%RSD		0.516	TM 0.411	T 0.150	2.481	2.324	7.556	0.770	0.736
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**
1	17:13:39	30163.960	4793.263	936.648	180.802	405406.330	1670.153	2548.357	116.001
2	17:14:43	30021.489	4469.498	930.648	174.802	407316.950	1634.147	2550.358	120.001
3	17:15:46	30495.062	4277.006	946.249	174.602	406091.930	1700.159	2584.367	70.000
x		30226.837	4513.256	937.848	176.735	406271.740	1668.153	2561.027	102.001
σ		242.967	260.896	7.870	3.523	967.920	33.051	20.238	27.785
%RSD		0.804	5.781	0.839	1.994	0.238	1.981	0.790	27.240
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**
1	17:13:39	76.000	246.003	750.031	549512.820	1483.121	1107.468	86497.552	147212.360
2	17:14:43	78.000	300.005	854.040	550158.140	1446.515	1079.864	85689.958	148433.980
3	17:15:46	72.000	230.003	710.028	543261.370	1414.710	1077.064	86519.762	147379.030
x		75.334	258.670	771.366	547644.110	1448.115	1088.132	86235.757	147675.120
σ		3.055	36.680	74.339	3809.254	34.234	16.804	472.807	662.455
%RSD		4.055	14.180	9.637	0.696	2.364	1.544	0.548	0.449
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**
1	17:13:39	2378.311	2882.457	476.012	1300.093	132681.220	1038016.800	0.000	10706.301
2	17:14:43	2492.342	2724.408	580.019	1214.081	132731.950	1037261.400	0.000	10696.289
3	17:15:46	2170.259	2790.428	518.015	1162.074	132640.640	1044987.700	0.000	10439.991
x		2346.971	2799.098	524.682	1225.416	132684.600	1040088.600	0.000	10614.194
σ		163.312	79.380	52.323	69.704	45.753	4259.477	0.000	150.947
%RSD		6.958	2.836	9.972	5.688	0.034	0.410	0.000	1.422

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	17:21:14	T 4638343.800	261820.730	16.000	9695.167	T 18814004.000	T 4652935.800	637190.560	719241.260	3167
2	17:22:17	T 4726210.500	267037.220	14.000	9338.794	T 19105909.000	T 4746744.700	651690.240	742248.840	3199
3	17:23:21	T 4744372.800	267898.000	13.000	8970.424	T 19304320.000	T 4802019.400	659882.720	743063.530	3286
x		T 4702975.700	265585.320	14.333	9334.795	T 19074744.000	T 4733900.000	649587.840	734851.210	3217
σ		T 56704.762	3288.510	1.528	362.388	T 246639.290	T 75367.221	11491.239	13524.749	61
%RSD		T 1.206	1.238	10.657	3.882	T 1.293	T 1.592	1.769	1.840	
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**5**
1	17:21:14	354021.560	941085.110	TM 79918893.000	809426.600	364162.570	1582.138	33989.422	4721.226	103
2	17:22:17	362341.950	980891.390	TM 81457189.000	823157.180	374677.170	1544.131	29192.797	4733.232	90
3	17:23:21	365413.290	994297.110	TM 82552838.000	841486.760	380754.000	1626.145	26185.659	4785.259	81
x		360592.270	972091.200	TM 81309640.000	824690.180	373197.910	1584.138	29789.292	4746.572	91
σ		5893.970	27676.011	TM 1323157.400	16084.963	8394.044	41.044	3935.929	34.037	11
%RSD		1.635	2.847	TM 1.627	1.950	2.249	2.591	13.213	0.717	
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	

1	17:21:14	191540.800	217726.410	T 3209859.200	1170.075	690.026	256.004	3570.701	21511.421	34
2	17:22:17	193033.880	218945.160	T 3255194.500	1170.075	738.030	268.004	3682.746	21872.280	34
3	17:23:21	194563.990	220092.370	T 3298342.900	1100.067	740.030	230.003	3692.750	21888.319	34
x		193046.220	218921.310	T 3254465.500	1146.739	722.695	251.337	3648.732	21757.340	34
σ		1511.634	1183.160	T 44246.374	40.420	28.310	19.426	67.762	213.123	
%RSD		0.783	0.540	T 1.360	3.525	3.917	7.729	1.857	0.980	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108
1	17:21:14	15344.940	2493.942	1011.656	233.603	385729.290	1250.086	1976.215	6.000	
2	17:22:17	16106.255	2153.055	1074.063	229.403	391383.420	1276.090	2056.233	10.000	
3	17:23:21	16458.886	2061.034	1111.068	238.603	397020.110	1280.090	1956.210	12.000	
x		15970.027	2236.010	1065.596	233.870	391377.610	1268.755	1996.219	9.333	
σ		569.331	228.065	50.244	4.606	5645.416	16.291	52.927	3.055	
%RSD		3.565	10.200	4.715	1.969	1.442	1.284	2.651	32.733	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	1
1	17:21:14	20.000	86.000	624.021	527127.920	365.407	275.404	25351.299	43642.506	5216
2	17:22:17	26.000	84.000	590.019	533203.310	352.607	255.804	25174.809	43461.643	5340
3	17:23:21	16.000	94.000	646.023	547721.410	335.406	245.003	26155.572	43658.583	5382
x		20.667	88.000	620.021	536017.550	351.140	258.737	25560.560	43587.577	5313
σ		5.033	5.292	28.215	10581.251	15.054	15.411	522.797	109.358	86
%RSD		24.354	6.013	4.551	1.974	4.287	5.956	2.045	0.251	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	17:21:14	1414.110	1714.162	336.006	834.038	15076.491	1015123.100	0.000	1624.145	24
2	17:22:17	1302.093	1554.133	338.006	724.029	15449.116	1047032.000	0.000	1624.145	27
3	17:23:21	1294.092	1434.113	302.005	836.038	14924.240	1029130.500	0.000	1544.131	23
x		1336.765	1567.469	325.339	798.035	15149.949	1030428.600	0.000	1597.474	25
σ		67.102	140.500	20.233	64.099	270.038	15994.016	0.000	46.196	2
%RSD		5.020	8.963	6.219	8.032	1.782	1.552	0.000	2.892	

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	17:28:49	T 4716883.800	263450.830	18.000	3534.687	T 5003607.800	967222.650	129856.880	143548.460	73239
2	17:29:53	T 4788338.200	267930.950	21.000	3410.640	T 5020829.600	974020.170	130376.230	145320.280	75143
3	17:30:56	T 4812028.200	271589.130	10.000	3412.640	T 5000336.600	966969.750	130895.620	146653.430	75316
x		T 4772416.700	267656.970	16.333	3452.656	T 5008258.000	969404.190	130376.240	145174.060	74566
σ		T 49530.133	4076.064	5.686	71.048	T 11009.493	3999.556	519.369	1557.642	1152
%RSD		T 1.038	1.523	34.814	2.058	T 0.220	0.413	0.398	1.073	1
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53**
1	17:28:49	75012.204	976860.000	T 17214312.000	163032.890	367226.190	418.010	35641.732	1844.187	11012
2	17:29:53	75631.302	968551.590	T 17391952.000	164755.530	373231.480	432.010	30099.747	1878.194	9436
3	17:30:56	76290.778	1006810.500	T 17532832.000	161045.940	374773.000	356.007	26990.006	1926.204	8071
x		75644.761	984074.020	T 17379699.000	162944.790	371743.560	402.009	30910.495	1882.862	9507
σ		639.393	20123.786	T 159612.710	1856.364	3987.358	40.449	4382.473	41.207	1471
%RSD		0.845	2.045	T 0.918	1.139	1.073	10.062	14.178	2.189	15
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**6**
1	17:28:49	44930.759	45789.025	794188.580	258.004	300.005	196.002	1254.087	5057.406	758
2	17:29:53	45666.411	44862.423	790832.050	288.005	342.006	224.003	1220.082	5003.377	826
3	17:30:56	45742.793	45021.205	778607.410	316.005	354.007	168.002	1262.088	5071.414	858
x		45446.654	45224.217	787876.010	287.338	332.006	196.002	1245.419	5044.066	814
σ		448.408	495.539	8200.414	29.007	28.356	28.001	22.304	35.927	51
%RSD		0.987	1.096	1.041	10.095	8.541	14.286	1.791	0.712	6
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108M**
1	17:28:49	3556.696	1583.738	908.245	152.001	386955.800	412.009	642.023	6.000	0
2	17:29:53	3562.698	1330.897	910.246	155.801	383414.380	376.008	666.024	10.000	6
3	17:30:56	3528.685	1172.876	903.645	154.401	391525.340	418.010	540.016	12.000	4
x		3549.359	1362.504	907.379	154.068	387298.500	402.009	616.021	9.333	3
σ		18.155	207.247	3.385	1.922	4066.325	22.717	66.907	3.055	3
%RSD		0.511	15.211	0.373	1.247	1.050	5.651	10.861	32.733	91
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**15**
1	17:28:49	10.000	20.000	180.002	530728.620	201.402	132.601	5277.531	8742.201	518305
2	17:29:53	8.000	20.000	152.001	532122.670	153.801	113.201	5057.406	8770.228	527572
3	17:30:56	8.000	24.000	196.002	532601.530	151.001	106.401	5415.613	8742.201	524680
x		8.667	21.333	176.002	531817.610	168.735	117.401	5250.184	8751.544	523519
σ		1.155	2.309	22.271	973.009	28.325	13.596	180.662	16.181	4741
%RSD		13.323	10.825	12.654	0.183	16.787	11.581	3.441	0.185	0
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**2**
1	17:28:49	428.010	534.016	110.001	216.003	3330.610	1016452.000	0.000	376.008	530
2	17:29:53	432.010	584.019	96.001	248.003	3354.619	1032190.000	0.000	336.006	526
3	17:30:56	390.008	522.015	96.001	256.004	3410.640	1036908.300	0.000	332.006	508
x		416.676	546.683	100.667	240.003	3365.290	1028516.800	0.000	348.007	521
σ		23.181	32.886	8.083	21.167	41.068	10711.411	0.000	24.332	11
%RSD		5.563	6.015	8.029	8.819	1.220	1.041	0.000	6.992	2

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	17:36:25	T 4766739.700	267412.000	2927.471	70324.960	T 31183493.000	T 12681098.000	T 1769136.100	T 1975806.800
2	17:37:28	T 4835526.200	271580.890	3013.499	69617.546	T 31152609.000	T 12648413.000	T 1768933.100	T 1996724.900
3	17:38:32	T 4725463.500	269438.540	3008.498	71248.106	T 32073278.000	T 13025734.000	T 1799155.400	T 2002804.500
x		T 4775909.800	269477.140	2983.156	70396.871	T 31469794.000	T 12785082.000	T 1779074.900	T 1991778.700
σ		T 55601.447	2084.713	48.289	817.655	T 522861.200	T 209050.520	T 17390.570	T 14162.195
%RSD		T 1.164	0.774	1.619	1.161	T 1.661	T 1.635	T 0.978	T 0.711
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**
1	17:36:25	361091.650	964438.900	TM 90772081.000	1227010.600	374727.170	1692.158	89837.712	55756.460
2	17:37:28	365523.590	1020230.200	TM 91969514.000	1235925.800	384331.930	1632.147	83473.479	57463.038
3	17:38:32	372871.140	996675.640	TM 93348768.000	1254141.900	386864.010	1672.154	83182.833	57050.452
x		366495.460	993781.570	TM 92030121.000	1239026.100	381974.370	1665.486	85498.008	56756.650
σ		5949.581	28008.005	TM 1289412.300	13828.766	6402.681	30.556	3761.103	890.416
%RSD		1.623	2.818	TM 1.401	1.116	1.676	1.835	4.399	1.569
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**

1	17:36:25	415863.120	307926.170	T 6993236.900	140787.790	11853.723	1940.207	17845.498	37304.382
2	17:37:28	418552.420	309599.590	T 6986920.700	140225.190	12136.095	1802.179	18322.446	37334.505
3	17:38:32	426241.610	316372.900	T 7212072.300	144970.770	11931.825	1894.197	18362.526	37495.165
x		420219.050	311299.550	T 7064076.600	141994.580	11973.881	1878.861	18176.823	37378.017
σ		5386.234	4472.607	T 128206.890	2592.754	145.808	70.281	287.635	102.564
%RSD		1.282	1.437	T 1.815	1.826	1.218	3.741	1.582	0.274

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	17:36:25	28073.279	8295.383	2162.857	696.027	391763.270	114127.920	183168.890	34826.581
2	17:37:28	27946.891	8022.739	2208.268	715.228	404545.210	116882.590	188577.810	35573.465
3	17:38:32	28765.438	8026.742	2230.674	739.630	404879.610	118468.920	188020.440	35653.779
x		28261.869	8114.955	2200.600	716.962	400396.030	116493.140	186589.050	35351.275
σ		440.658	156.269	34.552	21.853	7478.062	2196.550	2975.024	456.169
%RSD		1.559	1.926	1.570	3.048	1.868	1.886	1.594	1.290

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	17:36:25	35149.822	9156.609	22632.137	546783.400	78796.616	59496.053	203711.110	347916.520
2	17:37:28	36001.144	9518.981	23245.682	554557.760	80806.141	60878.359	204040.370	355044.310
3	17:38:32	37380.695	9739.214	23644.709	556979.270	82880.692	62051.451	207863.540	357100.550
x		36177.220	9471.601	23174.176	552773.480	80827.816	60808.621	205205.010	353353.790
σ		1125.811	294.178	510.059	5326.981	2042.124	1279.126	2308.232	4819.747
%RSD		3.112	3.106	2.201	0.964	2.527	2.104	1.125	1.364

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	17:36:25	56132.765	66312.979	54758.421	134323.070	109327.460	1037797.800	0.000	213780.400
2	17:37:28	55704.141	65170.763	53736.350	134976.640	110675.620	1074492.100	0.000	213497.880
3	17:38:32	56378.278	66337.154	54685.987	133371.210	111987.540	1057032.100	2.000	210349.750
x		56071.728	65940.299	54393.586	134223.640	110663.540	1056440.600	0.667	212542.680
σ		341.188	666.547	570.335	807.323	1330.084	18354.319	1.155	1904.375
%RSD		0.608	1.011	1.049	0.601	1.202	1.737	173.205	0.896

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	17:43:59	T 4715880.700	265472.380	30.000	9795.274	T 19938520.000	T 4958734.000	683693.310	770987.240	1199
2	17:45:03	T 4685382.400	266641.870	32.000	9328.784	T 19841251.000	T 4917963.400	671969.740	764621.860	1192
3	17:46:06	T 4677912.600	264488.310	17.000	9679.150	T 19793073.000	T 4946870.500	680614.670	754515.570	1188
x		T 4693058.600	265534.180	26.333	9601.069	T 19857615.000	T 4941189.300	678759.240	763374.890	1193
σ		T 20114.352	1078.109	8.145	242.849	T 74091.574	T 20970.612	6078.032	8306.334	5
%RSD		T 0.429	0.406	30.929	2.529	T 0.373	T 0.424	0.895	1.088	
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	
1	17:43:59	312922.500	989332.810	T 44193141.000	797807.820	375473.010	2962.483	35487.129	7380.995	10
2	17:45:03	317356.300	997576.920	T 44609019.000	800170.550	373764.740	3172.554	29335.254	7517.107	8
3	17:46:06	316693.780	1017092.000	T 44368827.000	792814.020	370507.380	3080.522	26093.394	7218.865	7
x		315657.530	1001333.900	T 44390329.000	796930.800	373248.380	3071.853	30305.259	7372.322	8
σ		2391.652	14255.871	T 208770.940	3755.863	2522.766	105.303	4771.399	149.310	1
%RSD		0.758	1.424	T 0.470	0.471	0.676	3.428	15.744	2.025	
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	
1	17:43:59	520620.530	305549.980	T 8867394.400	2448.330	1306.094	350.007	4297.015	46940.877	7
2	17:45:03	523664.090	309289.290	T 8834590.700	2354.305	1374.104	388.008	4449.088	47817.428	7
3	17:46:06	526437.600	307719.340	T 8878458.500	2372.310	1296.092	346.007	4413.071	47994.357	7
x		523574.070	307519.540	T 8860147.900	2391.648	1325.430	361.341	4386.392	47584.221	7
σ		2909.575	1877.647	T 22814.036	49.906	42.448	23.181	79.469	564.131	
%RSD		0.556	0.611	T 0.257	2.087	3.203	6.415	1.812	1.186	
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**10**
1	17:43:59	34228.316	3410.640	912.246	172.802	390189.710	1158.074	1918.202	66.000	
2	17:45:03	34892.835	3176.155	982.453	193.402	396130.540	1134.071	1824.183	56.000	
3	17:46:06	35382.723	3009.698	1020.857	191.802	397951.540	1072.063	1746.168	68.000	
x		34834.624	3198.831	971.852	186.002	394757.270	1121.403	1829.518	63.334	
σ		579.401	201.430	55.076	11.460	4059.052	44.383	86.141	6.429	
%RSD		1.663	6.297	5.667	6.161	1.028	3.958	4.708	10.151	
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	
1	17:43:59	60.000	212.002	718.028	538175.870	1955.810	1476.520	32692.679	55611.577	5408
2	17:45:03	72.000	234.003	668.025	535996.610	1331.498	991.254	32714.758	55038.103	5324
3	17:46:06	48.000	234.003	672.025	546134.060	1029.458	782.434	32441.783	55867.137	5283
x		60.000	226.670	686.026	540102.180	1438.922	1083.403	32616.407	55505.605	5339
σ		12.000	12.702	27.787	5336.194	472.427	356.100	151.631	424.555	63
%RSD		20.000	5.604	4.050	0.988	32.832	32.869	0.465	0.765	
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	
1	17:43:59	1434.113	1628.146	584.019	1574.136	55523.038	1039210.300	0.000	4745.238	7
2	17:45:03	1266.088	1502.124	660.024	1504.124	55213.159	1026786.400	0.000	4156.950	7
3	17:46:06	1164.074	1372.104	642.023	1406.109	55808.780	1045229.200	0.000	3828.806	7
x		1288.092	1500.791	628.688	1494.790	55514.993	1037075.300	0.000	4243.665	7
σ		136.357	128.026	39.718	84.402	297.892	9404.968	0.000	464.329	
%RSD		10.586	8.531	6.318	5.646	0.537	0.907	0.000	10.942	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	17:51:35	T 4761382.700	268940.100	2950.479	68317.741	T 33192792.000	T 12726973.000	T 1770201.900	T 2008781.100
2	17:52:38	T 4700770.300	266913.670	3139.542	68892.051	T 33874593.000	T 12961299.000	T 1798267.300	T 2028643.000
3	17:53:42	T 4720320.000	268017.440	3078.521	68642.171	T 33993750.000	T 13009082.000	T 1818593.100	T 2033434.600
x		T 4727491.000	267957.070	3056.181	68617.321	T 33687045.000	T 12899118.000	T 1795687.400	T 2023619.500
σ		T 30935.969	1014.562	96.491	287.960	T 432162.160	T 150984.330	T 24298.569	T 13071.899
%RSD		T 0.654	0.379	3.157	0.420	T 1.283	T 1.171	T 1.353	T 0.646
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**
1	17:51:35	353250.420	990520.270	TM 54722517.000	1224690.800	375898.050	3006.497	88478.479	58622.405
2	17:52:38	360760.900	1007739.400	TM 55593992.000	1227156.500	378832.150	2994.493	83980.113	59224.287
3	17:53:42	362691.480	1022479.000	TM 55838528.000	1230580.300	374173.030	2936.474	80734.912	59230.326
x		358900.930	1006912.900	TM 55385012.000	1227475.900	376301.080	2979.155	84397.835	59025.673
σ		4987.786	15995.406	TM 586621.450	2957.685	2355.566	37.447	3888.647	349.253
%RSD		1.390	1.589	TM 1.059	0.241	0.626	1.257	4.608	0.592
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**

1	17:51:35	862866.280	377573.380	T 14251407.000	140921.840	12933.193	1998.220	19264.390	56370.228
2	17:52:38	877496.170	384915.880	T 14379183.000	144080.780	12961.233	2110.245	19789.516	57616.001
3	17:53:42	875834.850	380143.220	T 14464459.000	144993.120	12518.613	2064.234	19372.619	58254.048
x		872065.770	380877.490	T 14365016.000	143331.910	12804.347	2057.566	19475.508	57413.426
σ		8010.175	3725.916	T 107229.990	2136.451	247.849	56.310	277.271	958.109
%RSD		0.919	0.978	T 0.746	1.491	1.936	2.737	1.424	1.669

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	17:51:35	41442.245	9224.678	2149.254	688.626	389926.790	117000.080	189192.380	35499.175
2	17:52:38	42020.893	9002.055	2197.466	696.627	399593.250	120205.500	191945.190	36750.132
3	17:53:42	43132.079	9054.106	2260.681	750.231	403023.820	119623.900	191824.690	36788.285
x		42198.406	9093.613	2202.467	711.828	397514.620	118943.160	190987.420	36345.864
σ		858.788	116.451	55.882	33.498	6791.437	1707.695	1555.717	733.502
%RSD		2.035	1.281	2.537	4.706	1.708	1.436	0.815	2.018

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	17:51:35	36268.202	9486.948	23738.954	550217.590	80353.959	60815.944	218449.450	373825.140
2	17:52:38	37111.596	9751.227	23211.595	554910.320	81598.572	61379.512	222223.280	380249.530
3	17:53:42	36780.253	9911.400	23759.006	559031.680	81964.643	61680.741	221225.380	381337.710
x		36720.017	9716.525	23569.852	554719.860	81305.725	61292.066	220632.700	378470.790
σ		424.911	214.344	310.422	4410.133	844.331	438.980	1955.479	4059.875
%RSD		1.157	2.206	1.317	0.795	1.038	0.716	0.886	1.073

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	17:51:35	57221.522	67235.719	55965.740	139150.870	152313.360	1045931.500	0.000	196204.690
2	17:52:38	57638.141	68041.683	56195.149	139420.970	149407.740	1063510.300	0.000	197853.860
3	17:53:42	57839.413	67890.559	56319.918	142483.910	152437.420	1044052.900	0.000	196478.510
x		57566.359	67722.654	56160.269	140351.920	151386.170	1051164.900	0.000	196845.690
σ		315.138	428.414	179.646	1851.292	1714.497	10732.639	0.000	883.773
%RSD		0.547	0.633	0.320	1.319	1.133	1.021	0.000	0.449

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	17:59:11	T 4768959.300	270196.540	3113.533	61855.724	T 13812152.000	T 8090954.300	1141207.000	1277944.000	74
2	18:00:14	T 4805284.000	268692.950	3123.537	62216.171	T 13949349.000	T 8259557.700	1157774.800	1316113.900	76
3	18:01:17	T 4863975.600	271984.700	3117.535	63061.969	T 14061748.000	T 8335072.300	1190827.600	1322381.200	77
x		T 4812739.700	270291.400	3118.201	62377.954	T 13941083.000	T 8228528.100	1163269.800	1305479.700	76
σ		T 47944.937	1647.922	5.035	619.183	T 125003.100	T 124982.110	25262.560	24051.645	1
%RSD		T 0.996	0.610	0.161	0.993	T 0.897	T 1.519	2.172	1.842	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	17:59:11	3704.755	1023996.400	T 11203744.000	388795.860	375710.530	48.000	81965.854	53078.502	1
2	18:00:14	3546.692	1033056.600	T 11240667.000	389822.450	376056.400	52.000	79052.221	54116.595	1
3	18:01:17	3498.673	1046781.500	T 11324261.000	392585.630	379857.640	58.000	77664.335	54446.557	1
x		3583.373	1034611.500	T 11256224.000	390401.310	377208.190	52.667	79560.803	53880.551	1
σ		107.827	11471.852	T 61746.255	1960.075	2301.000	5.033	2195.395	713.919	
%RSD		3.009	1.109	T 0.549	0.502	0.610	9.557	2.759	1.325	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	17:59:11	231274.890	93078.067	T 4041419.300	143312.790	11523.299	1766.172	15513.225	16030.121	
2	18:00:14	228682.540	92657.807	T 4028945.200	145277.610	11809.666	1944.208	15803.725	16178.383	
3	18:01:17	233644.340	93851.963	T 4099128.000	145399.530	11667.482	1900.199	15645.451	16482.929	
x		231200.590	93195.945	T 4056497.500	144663.310	11666.816	1870.193	15654.134	16230.478	
σ		2481.736	605.742	T 37442.189	1171.174	143.185	92.733	145.444	230.856	
%RSD		1.073	0.650	T 0.923	0.810	1.227	4.958	0.929	1.422	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	1
1	17:59:11	12752.939	7286.519	2058.433	656.424	381087.540	110934.750	178615.620	36049.334	
2	18:00:14	12883.122	7179.234	2067.435	669.025	392543.880	116706.340	186677.180	36362.578	
3	18:01:17	12943.207	7116.384	2138.452	674.625	395086.550	118529.710	189602.800	37179.874	
x		12859.756	7194.046	2088.107	666.691	389572.660	115390.270	184965.200	36530.595	
σ		97.263	86.029	43.832	9.322	7457.491	3964.829	5690.138	583.697	
%RSD		0.756	1.196	2.099	1.398	1.914	3.436	3.076	1.598	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	17:59:11	36832.464	9458.918	23404.088	531889.610	60857.420	46400.112	180924.620	311494.700	52
2	18:00:14	36764.188	9753.229	23696.845	548018.540	71477.496	53951.418	181546.840	312189.950	52
3	18:01:17	37987.201	9971.466	24436.800	547038.050	77475.736	58363.346	182852.620	316016.830	53
x		37194.618	9727.871	23845.911	542315.400	69936.884	52904.959	181774.690	313233.830	52
σ		687.246	257.213	532.249	9042.298	8415.594	6049.880	983.991	2435.089	
%RSD		1.848	2.644	2.232	1.667	12.033	11.435	0.541	0.777	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	17:59:11	50773.392	59665.156	53671.971	133878.590	95737.471	1030872.300	0.000	168537.930	21
2	18:00:14	52386.505	60973.796	54696.048	135614.030	96545.954	1031202.800	0.000	188300.140	22
3	18:01:17	52462.944	62004.734	54752.385	136817.860	96408.507	1025273.000	0.000	202365.560	22
x		51874.280	60881.228	54373.468	135436.820	96230.644	1029116.000	0.000	186401.210	22
σ		954.163	1172.533	608.167	1477.629	432.594	3332.264	0.000	16993.575	
%RSD		1.839	1.926	1.118	1.091	0.450	0.324	0.000	9.117	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	18:06:47	T 4895903.900	272627.530	13.000	2334.300	1433194.000	12146.109	1660.152	1904.199	5315.554
2	18:07:50	T 4864487.900	272590.440	5.000	2210.269	1401615.700	10608.186	1456.117	1620.144	5027.390
3	18:08:53	T 4840157.500	270785.690	10.000	2240.276	1387606.900	8902.357	1212.081	1352.101	4955.350
x		T 4866849.800	272001.220	9.333	2261.615	1407472.200	10552.217	1442.783	1625.481	5099.431
σ		T 27948.126	1052.843	4.041	64.710	23351.027	1622.600	224.333	276.088	190.602
%RSD		T 0.574	0.387	43.301	2.861	1.659	15.377	15.549	16.985	3.738

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	18:06:47	3488.669	997318.770	1039250.500	2584.367	366043.910	48.000	25369.349	1150.073	7851.389
2	18:07:50	3472.663	1005075.300	1011864.100	2388.314	365282.170	48.000	21335.006	1110.068	6838.571
3	18:08:53	3416.642	968176.630	993596.350	2452.331	369220.580	64.000	18364.530	1138.071	5873.897
x		3459.325	990190.230	1014903.600	2475.004	366848.890	53.333	21689.628	1132.737	6854.619
σ		37.821	19454.816	22978.357	99.974	2088.961	9.238	3515.848	20.529	988.844
%RSD		1.093	1.965	2.264	4.039	0.569	17.321	16.210	1.812	14.426

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	18:06:47	8221.716	720.029	140483.130	146.001	214.003	154.001	586.019	336.006	96.001
2	18:07:50	8129.633	668.025	140042.410	92.000	170.002	174.002	596.020	302.005	96.001
3	18:08:53	8127.632	602.020	137297.010	98.001	196.002	162.001	638.022	328.006	64.000
x		8159.660	663.358	139274.180	112.001	193.335	163.335	606.687	322.006	85.334
σ		53.751	59.143	1726.406	29.598	22.121	10.067	27.594	17.777	18.475
%RSD		0.659	8.916	1.240	26.426	11.442	6.163	4.548	5.521	21.651

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	18:06:47	212.002	1245.685	814.436	148.001	378552.870	630.022	998.055	76.000	2.000
2	18:07:50	260.004	1008.856	834.038	140.601	383272.590	480.013	866.041	30.000	0.000
3	18:08:53	214.003	902.845	839.039	135.201	381687.960	428.010	668.025	24.000	4.000
x		228.670	1052.462	829.171	141.268	381171.140	512.682	844.040	43.333	2.000
σ		27.155	175.531	13.003	6.426	2401.926	104.893	166.111	28.449	2.000
%RSD		11.875	16.678	1.568	4.549	0.630	20.460	19.681	65.651	100.000

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	18:06:47	38.000	20.000	30.000	531584.520	3414.041	2590.169	170.002	258.004	511850.980
2	18:07:50	22.000	12.000	16.000	536284.880	2585.568	2043.630	126.001	244.003	519490.560
3	18:08:53	34.000	8.000	32.000	536217.050	2047.231	1569.135	108.001	198.002	523981.630
x		31.333	13.333	26.000	534695.490	2682.280	2067.645	134.668	233.336	518441.060
σ		8.327	6.110	8.718	2694.389	688.518	510.940	31.896	31.391	6133.045
%RSD		26.574	45.826	33.530	0.504	25.669	24.711	23.685	13.453	1.183

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	18:06:47	860.041	1086.065	118.001	192.002	538.016	1013856.800	0.000	5731.806	218.003
2	18:07:50	712.028	916.046	76.000	154.001	512.014	1027045.300	0.000	4465.096	166.002
3	18:08:53	644.023	838.039	70.000	158.001	474.012	1050012.200	0.000	3362.622	132.001
x		738.697	946.717	88.000	168.002	508.014	1030304.800	0.000	4519.842	172.002
σ		110.451	126.826	26.154	20.881	32.189	18296.732	0.000	1185.541	43.314
%RSD		14.952	13.396	29.720	12.429	6.336	1.776	0.000	26.230	25.182

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26
1	18:14:24	T 4730137.500	272705.820	20.000	23993.621	T 12873660.000	T 15728505.000	T 2189990.400	T 2471220.
2	18:15:27	T 4736668.200	269496.210	12.000	24639.345	T 12914453.000	T 15903084.000	T 2197527.000	T 2495410.
3	18:16:30	T 4744180.800	272231.930	19.000	24192.147	T 13071109.000	T 16105636.000	T 2235184.400	T 2511047.
x		T 4736995.500	271477.990	17.000	24275.038	T 12953074.000	T 15912409.000	T 2207567.200	T 2492559.
σ		T 7027.367	1732.551	4.359	330.746	T 104236.480	T 188738.250	T 24212.157	T 20065.
%RSD		T 0.148	0.638	25.641	1.362	T 0.805	T 1.186	T 1.097	T 0.

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	5
1	18:14:24	412888.010	973522.900	TM 85615069.000	TM 2849002.400	364707.790	2440.328	28318.037	8802.
2	18:15:27	417198.260	980358.210	TM 85754238.000	TM 2878779.500	372889.890	2504.345	25022.389	8798.
3	18:16:30	419923.530	994450.620	TM 86264542.000	TM 2895413.200	372606.620	2514.348	22670.231	9300.
x		416669.930	982777.240	TM 85877950.000	TM 2874398.400	370068.100	2486.340	25336.886	8967.
σ		3547.389	10671.511	TM 341953.420	TM 23513.542	4644.324	40.161	2837.007	288.
%RSD		0.851	1.086	TM 0.398	TM 0.818	1.255	1.615	11.197	3.

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	6
1	18:14:24	253561.500	M 1302142.100	T 4314970.700	1858.190	1728.164	398.009	13147.500	M 119948.
2	18:15:27	254875.490	M 1310055.200	T 4367902.700	1774.173	1688.157	362.007	12614.746	M 121224.
3	18:16:30	257724.140	M 1321831.200	T 4367672.500	1834.185	1596.140	470.012	12815.026	M 121958.
x		255387.040	M 1311342.800	T 4350182.000	1822.183	1670.820	410.009	12859.091	M 121043.
σ		2127.943	M 9907.485	T 30494.057	43.275	67.698	54.993	269.097	M 1017.
%RSD		0.833	M 0.756	T 0.701	2.375	4.052	13.413	2.093	M 0.

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	10
1	18:14:24	M 86285.552	1988.217	883.643	163.401	388566.350	6540.352	10315.850	66.
2	18:15:27	M 87997.848	1695.358	954.850	189.202	386363.380	6336.207	10403.950	58.
3	18:16:30	M 87701.000	1503.724	1011.456	203.802	390703.070	6027.998	9871.356	62.
x		M 87328.133	1729.100	949.983	185.469	388544.270	6301.519	10197.052	62.
σ		M 915.020	244.003	64.046	20.458	2169.930	257.932	285.480	4.
%RSD		M 1.048	14.112	6.742	11.030	0.558	4.093	2.800	6.

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	13
1	18:14:24	56.000	186.002	606.020	528191.040	2195.265	1642.548	89427.699	153358.
2	18:15:27	58.000	190.002	678.025	532025.210	1629.146	1228.683	90217.445	153818.
3	18:16:30	50.000	176.002	672.025	533949.240	1323.496	1035.459	89506.469	155209.
x		54.667	184.002	652.023	531388.500	1715.969	1302.230	89717.204	154128.
σ		4.163	7.211	39.953	2931.426	442.322	310.155	435.008	963.
%RSD		7.616	3.919	6.128	0.552	25.777	23.817	0.485	0.

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	23
1	18:14:24	1772.173	2018.224	382.008	810.036	22203.081	1033641.900	0.000	6858.
2	18:15:27	1566.135	1888.196	368.007	888.043	22788.527	1046853.100	0.000	4863.
3	18:16:30	1532.129	1816.181	372.008	926.047	22072.764	1041096.900	0.000	4074.
x		1623.479	1907.534	374.008	874.709	22354.790	1040530.600	0.000	5265.
σ		129.890	102.400	7.211	59.144	381.236	6623.791	0.000	1434.
%RSD		8.001	5.368	1.928	6.762	1.705	0.637	0.000	27.

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	18:22:00	T 4801186.300	269236.690	6.000	2014.223	T 32912336.000	T 7141595.300	998215.650	1122430.900
2	18:23:03	T 4823723.900	272013.540	9.000	1956.210	T 33421101.000	T 7262125.500	1016050.700	1137096.600
3	18:24:06	T 4878147.000	271700.380	10.000	2026.226	T 34306677.000	T 7350691.300	1027804.300	1143330.700
x		T 4834352.400	270983.540	8.333	1998.886	T 33546705.000	T 7251470.700	1014023.500	1134286.100
σ		T 39565.909	1520.898	2.082	37.443	T 705605.270	T 104954.420	14898.127	10729.626
%RSD		T 0.818	0.561	24.980	1.873	T 2.103	T 1.447	1.469	0.946

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	18:22:00	T 6415928.100	958643.310	TM 68466024.000	TM 7808470.000	367301.130	15421.068	28193.651	10478.035
2	18:23:03	T 6541676.200	959851.360	TM 70351808.000	TM 7904591.100	368433.600	15376.994	22509.834	10822.438
3	18:24:06	T 6629104.600	973911.390	TM 71463992.000	TM 8094515.500	380603.900	15783.690	19653.221	10758.362
x		T 6528903.000	964135.360	TM 70093941.000	TM 7935858.800	372112.880	15527.251	23452.235	10686.278
σ		T 107160.750	8487.813	TM 1515527.500	TM 145563.610	7375.213	223.174	4347.508	183.168
%RSD		T 1.641	0.880	TM 2.162	TM 1.834	1.982	1.437	18.538	1.714

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	18:22:00	58191.651	92219.382	955348.000	624.021	1062.062	276.004	3938.853	M 147285.530
2	18:23:03	59192.078	94573.381	964321.360	526.015	1120.069	300.005	3994.878	M 149865.180
3	18:24:06	58855.906	95416.119	978321.320	548.017	1308.094	306.005	4162.953	M 151276.260
x		58746.545	94069.628	965996.890	566.018	1163.408	294.005	4032.228	M 149475.660
σ		509.101	1656.837	11577.949	51.423	128.614	15.875	116.625	M 2023.681
%RSD		0.867	1.761	1.199	9.085	11.055	5.400	2.892	M 1.354

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	18:22:00	M 105759.620	1260.487	1101.267	254.404	385904.490	566.018	768.032	8.000
2	18:23:03	M 106682.310	1002.055	1078.464	247.403	396573.230	592.019	858.040	16.000
3	18:24:06	M 106836.100	863.641	1120.469	256.204	391166.370	528.015	860.041	30.000
x		M 106426.010	1042.061	1100.067	252.670	391214.700	562.017	828.705	18.000
σ		M 582.209	201.425	21.028	4.649	5334.532	32.189	52.553	11.136
%RSD		M 0.547	19.329	1.912	1.840	1.364	5.727	6.342	61.864

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	18:22:00	28.000	24.000	498.014	526145.390	491.213	366.207	10027.527	16871.641
2	18:23:03	22.000	24.000	516.015	547560.120	421.810	312.005	10087.594	17384.606
3	18:24:06	18.000	20.000	506.014	552523.320	369.208	283.804	9985.481	16893.682
x		22.667	22.667	506.681	542076.270	427.410	320.672	10033.534	17049.977
σ		5.033	2.309	9.019	14017.960	61.195	41.880	51.321	290.007
%RSD		22.205	10.189	1.780	2.586	14.318	13.060	0.511	1.701

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	18:22:00	1124.070	1402.108	50.000	144.001	1480.121	1035831.300	2.000	912.046
2	18:23:03	1220.082	1420.111	46.000	114.001	1420.111	1032042.600	0.000	704.027
3	18:24:06	1022.057	1186.077	56.000	118.001	1434.113	1038879.500	2.000	654.024
x		1122.070	1336.099	50.667	125.334	1444.782	1035584.400	1.333	756.699
σ		99.027	130.234	5.033	16.289	31.395	3425.139	1.155	136.838
%RSD		8.825	9.747	9.934	12.997	2.173	0.331	86.603	18.084

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	18:29:34	T 4864274.400	270707.410	17.000	1724.164	T 16055244.000	T 4955259.600	686540.320	775008.530	21
2	18:30:37	T 4868457.500	273237.430	9.000	1760.170	T 16156410.000	T 4975929.100	684197.180	766793.860	21
3	18:31:41	T 4892211.600	273975.140	16.000	1734.165	T 16357347.000	T 5067552.400	699049.790	789699.680	22
x		T 4874981.200	272640.000	14.000	1739.500	T 16189667.000	T 4999580.400	689929.090	777167.360	21
σ		T 15067.860	1713.834	4.359	18.587	T 153772.890	T 59765.808	7985.165	11604.501	
%RSD		T 0.309	0.629	31.135	1.069	T 0.950	T 1.195	1.157	1.493	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	18:29:34	T 2018186.100	934034.590	TM 81483633.000	144206.760	376914.880	4931.337	36037.286	6644.427	11
2	18:30:37	2115705.900	935412.000	TM 82143531.000	146303.870	383585.370	4927.335	29712.476	6758.511	9
3	18:31:41	2181921.100	945778.760	TM 83027522.000	144596.880	381100.050	5051.403	25263.053	7102.774	8
x		T 2105271.000	938408.450	TM 82218229.000	145035.840	380533.430	4970.025	30337.605	6835.237	9
σ		T 82364.772	6419.922	TM 774650.390	1115.338	3371.152	70.504	5414.251	238.612	1
%RSD		T 3.912	0.684	TM 0.942	0.769	0.886	1.419	17.847	3.491	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	18:29:34	20378.816	10347.886	245706.160	102.001	680.025	258.004	2488.341	M 109689.780	M 16
2	18:30:37	20998.223	10305.838	247861.500	142.001	686.026	280.004	2374.310	M 108643.330	M 16
3	18:31:41	20908.015	10740.341	248973.270	108.001	608.020	242.003	2368.308	M 110284.920	M 16
x		20761.685	10464.688	247513.640	117.334	658.024	260.004	2410.320	M 109539.340	M 16
σ		334.628	239.646	1661.100	21.572	43.408	19.079	67.635	M 831.070	M
%RSD		1.612	2.290	0.671	18.385	6.597	7.338	2.806	M 0.759	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	1(
1	18:29:34	M 78311.854	1350.500	1078.864	226.603	392940.470	174.002	274.004	10.000	
2	18:30:37	M 77944.720	1134.071	1086.065	240.803	394410.110	186.002	276.004	6.000	
3	18:31:41	M 78368.338	974.852	1119.869	243.003	393545.840	146.001	250.003	4.000	
x		M 78208.304	1153.141	1094.933	236.803	393632.140	168.668	266.671	6.667	
σ		M 230.011	188.549	21.894	8.902	738.608	20.527	14.469	3.055	
%RSD		M 0.294	16.351	2.000	3.759	0.188	12.170	5.426	45.826	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	18:29:34	6.000	8.000	1022.057	549440.640	300.605	232.803	230.003	450.011	535
2	18:30:37	2.000	12.000	924.047	551253.610	263.004	198.002	278.004	444.011	536
3	18:31:41	2.000	10.000	914.046	560128.180	251.603	176.602	294.005	426.010	534
x		3.333	10.000	953.383	553607.480	271.737	202.469	267.337	440.011	535
σ		2.309	2.000	59.683	5719.388	25.642	28.366	33.308	12.491	1
%RSD		69.282	20.000	6.260	1.033	9.436	14.010	12.459	2.839	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	18:29:34	914.046	1028.058	38.000	128.001	734.030	1039098.500	0.000	522.015	
2	18:30:37	896.044	1038.059	48.000	102.001	794.035	1039795.900	0.000	478.013	
3	18:31:41	714.028	954.050	42.000	132.001	770.033	1024679.300	0.000	452.011	
x		841.373	1006.723	42.667	120.667	766.032	1034524.600	0.000	484.013	
σ		110.650	45.889	5.033	16.289	30.202	8533.374	0.000	35.386	
%RSD		13.151	4.558	11.797	13.499	3.943	0.825	0.000	7.311	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	18:37:08	T 4815272.300	271704.500	12.000	1670.153	T 19117959.000	T 5352782.100	741984.520	827497.960	17
2	18:38:12	T 4822806.200	272631.650	7.000	1752.169	T 19534626.000	T 5422434.400	747679.970	844867.810	17
3	18:39:15	T 4816808.900	273274.520	7.000	1678.155	T 19443321.000	T 5496003.300	763101.750	858184.720	19
x		T 4818295.800	272536.890	8.667	1700.159	T 19365302.000	T 5423739.900	750922.080	843516.830	18
σ		T 3980.935	789.289	2.887	45.219	T 219016.050	T 71619.570	10925.562	15387.921	
%RSD		T 0.083	0.290	33.309	2.660	T 1.131	T 1.320	1.455	1.824	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	18:37:08	T 2584808.300	900725.650	TM 92773360.000	826710.970	371219.570	6236.138	36864.594	5499.663	11
2	18:38:12	T 2627845.800	918682.110	TM 96060226.000	825792.890	370357.450	6326.200	29772.673	5481.652	9
3	18:39:15	T 2626807.600	921128.020	TM 95612719.000	828822.890	377135.760	6522.339	25453.584	5521.676	8
x		T 2613153.900	913511.930	TM 94815435.000	827108.910	372904.260	6361.559	30696.950	5500.997	9
σ		T 24553.470	11140.571	TM 1782587.800	1553.705	3689.851	146.340	5761.380	20.045	1
%RSD		T 0.940	1.220	TM 1.880	0.188	0.989	2.300	18.769	0.364	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	

1	18:37:08	21306.940	18342.486	254357.280	122.001	452.011	256.004	2426.324	M 123462.710	M 18
2	18:38:12	21699.868	18368.538	256909.560	128.001	420.010	186.002	2602.372	M 122674.140	M 18
3	18:39:15	21583.591	18218.236	257767.330	126.001	420.010	216.003	2632.381	M 123507.310	M 18
x		21530.133	18309.754	256344.720	125.334	430.677	219.336	2553.692	M 123214.720	M 18
σ		201.845	80.320	1773.811	3.055	18.476	35.120	111.320	M 468.685	M
%RSD		0.938	0.439	0.692	2.438	4.290	16.012	4.359	M 0.380	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	10
1	18:37:08	M 86915.510	1402.508	1067.063	225.003	382267.570	142.001	206.002	2.000	
2	18:38:12	M 88191.713	1143.272	1100.467	236.003	383051.560	146.001	218.003	10.000	
3	18:39:15	M 87234.544	978.053	1119.469	242.203	392756.790	160.001	218.003	6.000	
x		M 87447.256	1174.611	1095.666	234.403	386025.300	149.335	214.003	6.000	
σ		M 664.160	213.956	26.531	8.711	5842.799	9.452	6.928	4.000	
%RSD		M 0.759	18.215	2.421	3.716	1.514	6.329	3.238	66.667	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	18:37:08	4.000	2.000	916.046	529843.140	238.403	180.402	1626.145	2596.371	537
2	18:38:12	0.000	10.000	1076.064	538303.080	214.203	153.601	1684.156	2668.392	529
3	18:39:15	2.000	8.000	1026.058	540037.540	201.602	150.001	1574.136	2606.374	527
x		2.000	6.667	1006.056	536061.260	218.069	161.335	1628.146	2623.712	531
σ		2.000	4.163	81.862	5454.427	18.703	16.610	55.037	39.016	5
%RSD		100.000	62.450	8.137	1.018	8.576	10.296	3.380	1.487	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	18:37:08	814.036	1040.060	52.000	132.001	798.035	1014284.800	0.000	448.011	
2	18:38:12	876.042	972.052	32.000	138.001	752.031	1027371.200	0.000	424.010	
3	18:39:15	896.044	1026.058	46.000	92.000	722.029	990353.480	0.000	362.007	
x		862.041	1012.723	43.333	120.667	757.365	1010669.800	0.000	411.343	
σ		42.759	35.911	10.263	25.007	38.283	18771.773	0.000	44.379	
%RSD		4.960	3.546	23.684	20.724	5.055	1.857	0.000	10.789	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	18:44:43	T 4684272.600	266571.860	12.000	1508.125	T 35760789.000	T 7940316.700	1113259.200	1263525.800
2	18:45:47	T 4725548.800	267140.180	6.000	1442.114	T 36112754.000	T 8005345.000	1129093.200	1274068.300
3	18:46:50	T 4697462.200	266728.350	13.000	1528.128	T 36566414.000	T 8136525.900	1151038.500	1279960.300
x		T 4702427.900	266813.460	10.333	1492.789	T 36146652.000	T 8027395.900	1131130.300	1272518.100
σ		T 21081.380	293.566	3.786	45.011	T 403880.590	T 99945.918	18971.832	8326.205
%RSD		T 0.448	0.110	36.638	3.015	T 1.117	T 1.245	1.677	0.654

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	18:44:43	T 8403048.400	859351.600	TM 68201641.000	TM 11542496.000	357314.720	20046.077	30143.893	26873.662
2	18:45:47	T 8565315.900	885158.260	TM 69714933.000	TM 11615820.000	361540.990	20398.861	22802.562	26697.143
3	18:46:50	T 8602584.300	882092.680	TM 69329626.000	TM 11883269.000	368158.800	20310.663	19302.470	26655.020
x		T 8523649.500	875534.180	TM 69082067.000	TM 11680528.000	362338.170	20251.867	24082.975	26741.942
σ		T 106092.960	14098.097	TM 786433.060	TM 179365.350	5465.814	183.594	5532.965	116.001
%RSD		T 1.245	1.610	TM 1.138	TM 1.536	1.508	0.907	22.975	0.434

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	18:44:43	54659.831	110353.750	863667.250	640.023	3224.572	632.022	2914.467	M 201817.580
2	18:45:47	54840.917	111853.910	879601.810	656.024	3136.541	598.020	2744.414	M 199615.760
3	18:46:50	56162.951	114057.030	878406.060	674.025	3326.609	544.016	3092.526	M 202985.140
x		55221.233	112088.230	873891.710	656.690	3229.240	591.353	2917.136	M 201472.820
σ		820.563	1862.731	8874.803	17.011	95.120	44.380	174.071	M 1710.945
%RSD		1.486	1.662	1.016	2.590	2.946	7.505	5.967	M 0.849

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	18:44:43	M 142938.970	1276.490	1058.662	227.203	373631.420	832.038	1250.086	16.000
2	18:45:47	M 140623.270	1018.857	1062.462	234.203	372564.960	780.033	1356.101	22.000
3	18:46:50	M 143593.160	911.246	1065.462	232.803	377848.460	808.036	1260.087	22.000
x		M 142385.130	1068.864	1062.195	231.403	374681.610	806.702	1288.758	20.000
σ		M 1560.483	187.687	3.408	3.704	2793.924	26.028	58.535	3.464
%RSD		M 1.096	17.559	0.321	1.601	0.746	3.226	4.542	17.321

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	18:44:43	8.000	16.000	584.019	522631.120	211.202	160.801	19166.183	32495.976
2	18:45:47	18.000	16.000	574.018	515166.620	187.202	147.401	19354.581	32760.924
3	18:46:50	14.000	28.000	608.020	524836.910	198.202	121.601	19420.722	32905.445
x		13.333	20.000	588.686	520878.220	198.869	143.268	19313.829	32720.782
σ		5.033	6.928	17.475	5067.850	12.014	19.924	132.073	207.665
%RSD		37.749	34.641	2.968	0.973	6.041	13.907	0.684	0.635

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	18:44:43	1066.063	1142.072	28.000	74.000	2056.233	988023.210	0.000	394.009
2	18:45:47	1062.062	1224.082	42.000	86.000	2144.253	974657.340	2.000	350.007
3	18:46:50	1082.064	1120.069	32.000	92.000	2072.236	972859.170	0.000	392.008
x		1070.063	1162.074	34.000	84.000	2090.907	978513.240	0.667	378.675
σ		10.584	54.816	7.211	9.165	46.887	8284.807	1.155	24.847
%RSD		0.989	4.717	21.209	10.911	2.242	0.847	173.205	6.562

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	18:52:18	T 4716755.800	265550.610	12.000	1772.173	T 30178447.000	T 7204109.300	1009194.300	1127383.200
2	18:53:22	T 4712508.600	266135.340	6.000	1752.169	T 30446034.000	T 7279977.700	1020065.100	1138907.700
3	18:54:25	T 4756047.100	263331.440	8.000	1666.153	T 30291471.000	T 7327431.700	1036425.700	1157833.600
x		T 4728437.200	265005.800	8.667	1730.165	T 30305317.000	T 7270506.200	1021895.000	1141374.800
σ		T 24005.033	1479.217	3.055	56.331	T 134329.990	T 62204.391	13707.592	15374.413
%RSD		T 0.508	0.558	35.251	3.256	T 0.443	T 0.856	1.341	1.347

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	18:52:18	T 6681209.500	815254.430	TM 70714391.000	TM 8564840.800	352242.420	15166.641	27840.565	15262.802
2	18:53:22	T 6704679.700	824769.990	TM 71473793.000	TM 8805348.100	361208.140	16138.312	22742.411	15619.407
3	18:54:25	T 6876198.600	865414.240	TM 73248128.000	TM 8759619.000	360301.190	16134.305	19761.455	15931.948
x		T 6754029.300	835146.220	TM 71812104.000	TM 8709936.000	357917.250	15813.086	23448.144	15604.719
σ		T 106450.580	26641.159	TM 1300306.100	TM 127719.380	4935.427	559.841	4085.529	334.815
%RSD		T 1.576	3.190	TM 1.811	TM 1.466	1.379	3.540	17.424	2.146

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	18:52:18	45061.403	104444.550	681710.380	394.009	1698.159	356.007	2984.490	M 160437.320
2	18:53:22	45105.622	104861.310	690855.550	400.009	1572.136	412.009	2940.476	M 161225.080
3	18:54:25	45756.864	107803.420	691644.270	418.010	1706.160	448.011	3078.521	M 163586.710
x		45307.963	105703.090	688070.060	404.009	1658.818	405.342	3001.162	M 161749.700
σ		389.388	1830.834	5521.749	12.491	75.176	46.363	70.517	M 1638.927
%RSD		0.859	1.732	0.802	3.092	4.532	11.438	2.350	M 1.013

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	18:52:18	M 115114.240	1350.900	979.253	206.802	372035.950	496.014	854.040	26.000
2	18:53:22	M 115912.280	1134.471	1037.659	222.003	371365.350	418.010	720.029	16.000
3	18:54:25	M 115894.050	981.253	1033.859	218.803	374939.660	482.013	752.031	14.000
x		M 115640.190	1155.541	1016.924	215.869	372780.320	465.345	775.367	18.667
σ		M 455.580	185.722	32.679	8.014	1899.870	41.587	69.987	6.429
%RSD		M 0.394	16.072	3.214	3.712	0.510	8.937	9.026	34.442

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	18:52:18	12.000	12.000	680.025	520146.520	181.002	135.001	14251.162	24344.553
2	18:53:22	18.000	10.000	650.023	528030.090	172.002	110.801	14655.804	25006.345
3	18:54:25	16.000	28.000	628.022	522237.430	163.401	117.801	14275.199	24374.633
x		15.333	16.667	652.690	523471.350	172.135	121.201	14394.055	24575.177
σ		3.055	9.866	26.104	4084.061	8.801	12.453	227.000	373.705
%RSD		19.924	59.195	3.999	0.780	5.113	10.275	1.577	1.521

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	18:52:18	868.041	1026.058	56.000	96.001	1586.138	1011409.400	0.000	372.008
2	18:53:22	934.048	968.052	50.000	84.000	1600.141	1003834.800	0.000	342.006
3	18:54:25	764.032	998.055	44.000	92.000	1342.099	972765.940	0.000	348.007
x		855.374	997.388	50.000	90.667	1509.459	996003.380	0.000	354.007
σ		85.713	29.009	6.000	6.110	145.107	20477.489	0.000	15.875
%RSD		10.021	2.908	12.000	6.739	9.613	2.056	0.000	4.484

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	18:59:53	T 4703118.000	263907.800	7.000	1408.109	T 33328979.000	T 8194516.900	1154331.400	1301942.300
2	19:00:56	T 4733509.600	266617.160	12.000	1258.087	T 33861003.000	T 8266266.500	1180860.500	1311942.600
3	19:02:00	T 4724332.300	265678.260	14.000	1390.106	T 34258980.000	T 8351054.600	1183619.000	1321120.100
x		T 4720320.000	265401.070	11.000	1352.101	T 33816321.000	T 8270612.600	1172936.900	1311668.300
σ		T 15588.019	1375.784	3.606	81.914	T 466608.050	T 78359.318	16171.813	9591.833
%RSD		T 0.330	0.518	32.778	6.058	T 1.380	T 0.947	1.379	0.731

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	18:59:53	T 8177650.500	810530.780	TM 68151958.000	TM 11120299.000	346541.470	19256.373	28183.620	19641.195
2	19:00:56	T 8229978.700	820723.180	TM 67715718.000	TM 11232808.000	354886.320	20012.002	22744.416	19997.971
3	19:02:00	T 8286131.100	833126.890	TM 69313255.000	TM 11376104.000	357281.450	19332.534	19743.416	20294.628
x		T 8231253.400	821460.280	TM 68393643.000	TM 11243070.000	352903.080	19533.636	23557.151	19977.931
σ		T 54251.536	11316.074	TM 825735.990	TM 128210.820	5637.972	416.023	4278.395	327.177
%RSD		T 0.659	1.378	TM 1.207	TM 1.140	1.598	2.130	18.162	1.638

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	18:59:53	53539.192	132253.050	841946.550	488.013	2120.247	470.012	3134.540	M 217927.140
2	19:00:56	53154.947	133229.150	847750.540	588.019	2250.278	478.013	3110.532	M 216358.320
3	19:02:00	53692.089	134655.940	860606.380	524.015	2330.299	518.015	3172.554	M 214136.640
x		53462.076	133379.380	850101.160	533.349	2233.608	488.680	3139.209	M 216140.700
σ		276.750	1208.469	9549.418	50.652	106.013	25.718	31.273	M 1904.595
%RSD		0.518	0.906	1.123	9.497	4.746	5.263	0.996	M 0.881

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	18:59:53	M 153832.630	1567.335	1019.057	219.003	369024.870	654.024	1064.062	14.000
2	19:00:56	M 155630.850	1284.891	1010.256	222.603	370973.840	702.027	1112.068	14.000
3	19:02:00	M 153399.400	1084.865	1021.057	223.403	366497.660	680.025	1156.074	18.000
x		M 154287.620	1312.364	1016.790	221.669	368832.120	678.692	1110.735	15.333
σ		M 1183.262	242.406	5.746	2.344	2244.307	24.030	46.020	2.309
%RSD		M 0.767	18.471	0.565	1.057	0.608	3.541	4.143	15.061

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	18:59:53	16.000	20.000	630.022	512713.610	160.601	125.801	14309.253	25086.566
2	19:00:56	10.000	16.000	740.030	527462.520	173.402	111.601	14571.669	24797.775
3	19:02:00	24.000	24.000	638.022	513622.840	142.801	94.800	14757.969	25226.953
x		16.667	20.000	669.358	517932.990	158.935	110.734	14546.297	25037.098
σ		7.024	4.000	61.334	8265.325	15.368	15.518	225.432	218.824
%RSD		42.143	20.000	9.163	1.596	9.670	14.014	1.550	0.874

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	18:59:53	920.047	1050.061	52.000	92.000	1748.168	976713.440	0.000	342.006
2	19:00:56	944.049	1016.057	46.000	112.001	1640.148	995465.160	0.000	332.006
3	19:02:00	934.048	1048.060	50.000	128.001	1894.197	969139.580	0.000	298.005
x		932.715	1038.059	49.333	110.667	1760.838	980439.390	0.000	324.006
σ		12.057	19.081	3.055	18.037	127.498	13552.533	0.000	23.066
%RSD		1.293	1.838	6.193	16.299	7.241	1.382	0.000	7.119

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	19:07:28	T 4766142.100	269100.750	9.000	1180.077	T 15676509.000	T 5265088.100	730482.700	812634.740	338
2	19:08:31	T 4792585.300	269953.480	9.000	1156.074	T 16090938.000	T 5430469.700	756698.270	846300.310	351
3	19:09:35	T 4822229.900	270740.370	5.000	1200.079	T 16073067.000	T 5465428.600	759502.250	849648.010	351
x		T 4793652.400	269931.530	7.667	1178.743	T 15946838.000	T 5386995.500	748894.410	836194.350	347
σ		T 28059.137	820.030	2.309	22.033	T 234282.610	T 107012.100	16006.520	20471.767	7
%RSD		T 0.585	0.304	30.123	1.869	T 1.469	T 1.986	2.137	2.448	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	19:07:28	T 2477103.100	800384.180	TM 81207793.000	971625.060	345527.970	5735.809	29168.720	5851.883	91
2	19:08:31	T 2516001.000	817859.560	TM 82283922.000	1006048.600	354973.630	5919.927	25427.511	6132.067	83
3	19:09:35	T 2528708.600	824057.520	TM 82790343.000	1019694.800	355967.380	5931.935	23422.134	5919.927	76
x		T 2507270.900	814100.420	TM 82094019.000	999122.840	352156.320	5862.557	26006.122	5967.959	83
σ		T 26887.603	12276.198	TM 808185.290	24771.965	5761.792	109.931	2916.660	146.137	7
%RSD		T 1.072	1.508	TM 0.984	2.479	1.636	1.875	11.215	2.449	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	19:07:28	17436.706	10251.777	198579.430	108.001	552.017	182.002	1776.174	59020.971	88
2	19:08:31	17416.668	10359.900	199435.870	84.000	524.015	226.003	1896.198	57650.217	86
3	19:09:35	17727.267	10327.863	204351.240	94.000	548.017	294.005	1908.200	58652.599	89
x		17526.880	10313.180	200788.850	95.334	541.349	234.003	1860.191	58441.262	88
σ		173.829	55.537	3114.702	12.056	15.145	56.428	73.008	709.393	1
%RSD		0.992	0.539	1.551	12.646	2.798	24.114	3.925	1.214	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	10
1	19:07:28	41703.436	1479.720	995.254	195.002	364803.520	110.001	200.002	6.000	
2	19:08:31	42141.449	1224.883	988.654	231.003	371390.340	124.001	202.002	10.000	
3	19:09:35	41532.657	1108.468	1021.057	238.203	369424.630	132.001	204.002	6.000	
x		41792.514	1271.024	1001.655	221.403	368539.490	122.001	202.002	7.333	
σ		314.019	189.879	17.124	23.145	3381.440	11.136	2.000	2.309	
%RSD		0.751	14.939	1.710	10.454	0.918	9.128	0.990	31.492	1

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	19:07:28	8.000	8.000	922.047	509559.480	134.001	89.200	1032.059	1678.155	513
2	19:08:31	10.000	6.000	958.050	518390.350	128.801	87.600	980.053	1798.178	510
3	19:09:35	12.000	12.000	982.053	517844.520	111.601	84.200	1022.057	1650.150	514
x		10.000	8.667	954.050	515264.780	124.801	87.000	1011.390	1708.828	512
σ		2.000	3.055	30.202	4948.471	11.724	2.553	27.595	78.636	17
%RSD		20.000	35.251	3.166	0.960	9.394	2.935	2.728	4.602	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	19:07:28	478.013	634.022	34.000	124.001	776.033	993965.630	0.000	192.002	
2	19:08:31	528.015	598.020	38.000	120.001	780.033	993267.120	0.000	232.003	
3	19:09:35	526.015	570.018	52.000	96.001	796.035	972947.960	0.000	234.003	
x		510.681	600.687	41.333	113.334	784.034	986726.900	0.000	219.336	
σ		28.309	32.085	9.452	15.144	10.584	11938.026	0.000	23.693	
%RSD		5.543	5.341	22.867	13.362	1.350	1.210	0.000	10.802	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	2
1	19:15:03	T 4840435.000	271370.750	8.000	890.044	T 4396058.100	1089527.700	146555.880	162662.340	10886.
2	19:16:07	T 4884571.100	272178.360	8.000	896.044	T 4436466.800	1089336.700	146120.960	162540.190	10488.
3	19:17:10	T 4834395.100	267317.270	8.000	858.040	T 4408782.000	1100213.000	148312.020	164930.670	10562.
x		T 4853133.700	270288.800	8.000	881.376	T 4413769.000	1093025.800	146996.290	163377.730	10645.
σ		T 27392.528	2604.904	0.000	20.431	T 20660.786	6225.044	1160.021	1346.267	211.
%RSD		T 0.564	0.964	0.000	2.318	T 0.468	0.570	0.789	0.824	1.

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53C
1	19:15:03	509460.140	824964.500	T 17823495.000	194649.800	345303.680	1352.101	30368.639	2676.394	9633.
2	19:16:07	512290.740	833330.330	T 17784020.000	195013.470	359211.310	1248.086	26470.482	2046.230	8145.
3	19:17:10	512521.200	835316.810	T 17905080.000	197772.110	359535.770	1406.109	23438.175	1984.217	7346.
x		511424.030	831203.880	T 17837532.000	195811.790	354683.590	1335.432	26759.099	2235.614	8375.
σ		1704.680	5493.989	T 61738.555	1707.397	8124.856	80.319	3474.235	382.984	1160.
%RSD		0.333	0.661	T 0.346	0.872	2.291	6.014	12.983	17.131	13.

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67
1	19:15:03	9488.950	2674.393	133060.710	30.000	292.005	152.001	842.039	12674.830	1930.
2	19:16:07	9737.212	2788.428	133357.000	46.000	246.003	194.002	750.031	12754.942	1998.
3	19:17:10	9500.962	2612.375	133330.620	38.000	292.005	198.002	696.027	12618.752	2012.
x		9575.708	2691.732	133249.440	38.000	276.671	181.335	762.699	12682.841	1980.
σ		139.996	89.298	163.981	8.000	26.559	25.483	73.826	68.447	43.
%RSD		1.462	3.317	0.123	21.053	9.599	14.053	9.680	0.540	2.

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108M
1	19:15:03	9288.743	1276.890	839.439	153.801	375748.030	72.000	94.000	4.000	0.
2	19:16:07	9100.553	1072.863	871.842	139.201	364516.340	84.000	82.000	0.000	2.
3	19:17:10	8956.410	952.850	849.440	137.401	372910.710	58.000	72.000	10.000	2.
x		9115.235	1100.868	853.573	143.468	371058.360	71.334	82.667	4.667	1.
σ		166.652	163.825	16.592	8.994	5840.477	13.013	11.015	5.033	1.
%RSD		1.828	14.881	1.944	6.269	1.574	18.242	13.325	107.855	86.

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159
1	19:15:03	4.000	2.000	192.002	519913.760	82.600	59.000	234.003	414.009	510569.
2	19:16:07	2.000	6.000	196.002	516016.870	66.200	57.200	250.003	386.008	513250.
3	19:17:10	2.000	2.000	154.001	522559.150	77.000	88.000	250.003	380.008	511525.
x		2.667	3.333	180.668	519496.590	75.267	68.067	244.670	393.342	511781.
σ		1.155	2.309	23.181	3291.032	8.336	17.286	9.238	18.148	1358.
%RSD		43.301	69.282	12.831	0.634	11.076	25.396	3.776	4.614	0.

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	23
1	19:15:03	234.003	240.003	28.000	82.000	450.011	994210.350	0.000	56.000	12.
2	19:16:07	188.002	254.004	58.000	62.000	462.012	1002685.800	0.000	98.001	22.
3	19:17:10	210.002	222.003	24.000	90.000	464.012	985266.750	0.000	82.000	10.
x		210.669	238.670	36.667	78.000	458.678	994054.290	0.000	78.667	14.
σ		23.008	16.042	18.583	14.422	7.572	8710.560	0.000	21.198	6.
%RSD		10.921	6.721	50.681	18.490	1.651	0.876	0.000	26.946	43.

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	19:22:39	T 4666131.600	261614.930	2830.441	58560.005	T 26525765.000	T 12397688.000	T 1740867.700	T 1926628.600
2	19:23:45	T 4723179.800	264298.920	2797.430	59161.883	T 26863755.000	T 12421112.000	T 1735868.700	T 1946799.600
3	19:24:49	T 4584838.400	257578.080	2889.459	58183.599	T 26783803.000	T 12501768.000	T 1745815.900	T 1957284.500
x		T 4658049.900	261163.980	2839.110	58635.162	T 26724441.000	T 12440189.000	T 1740850.700	T 1943570.900
σ		T 69523.903	3383.035	46.623	493.453	T 176641.480	T 54599.973	T 4973.639	T 15580.870
%RSD		T 1.493	1.295	1.642	0.842	T 0.661	T 0.439	T 0.286	T 0.802

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	19:22:39	T 2369647.500	810068.140	TM 86600898.000	1306398.900	338303.730	5789.843	94660.279	51326.485
2	19:23:45	T 2344521.500	810118.330	TM 85214830.000	1300683.800	333669.080	5923.930	91700.170	51272.179
3	19:24:49	T 2367636.900	820024.120	TM 87002332.000	1318759.300	338996.850	5779.837	87321.372	50904.120
x		T 2360601.900	813403.530	TM 86272687.000	1308614.000	336989.890	5831.203	91227.273	51167.595
σ		T 13962.315	5733.654	TM 937861.080	9239.117	2896.711	80.459	3692.237	229.786
%RSD		T 0.591	0.705	TM 1.087	0.706	0.860	1.380	4.047	0.449

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	19:22:39	216188.350	94914.913	T 3696793.100	124551.410	10145.658	1660.152	14735.933	69778.775
2	19:23:45	215412.250	94654.216	T 3666118.700	125877.490	10269.798	1788.176	14675.836	69990.393
3	19:24:49	214822.540	94326.840	T 3673226.200	123647.190	10468.023	1744.167	14780.005	70014.578
x		215474.380	94631.990	T 3678712.700	124692.030	10294.493	1730.832	14730.592	69927.915
σ		685.022	294.666	T 16056.312	1121.778	162.595	65.046	52.289	129.724
%RSD		0.318	0.311	T 0.436	0.900	1.579	3.758	0.355	0.186

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	19:22:39	51042.895	7235.678	1957.211	657.224	358104.920	104149.190	167712.880	32616.406
2	19:23:45	51127.367	6924.236	2035.228	676.625	356545.380	104070.290	167539.730	32473.897
3	19:24:49	51065.018	6770.520	2058.833	671.825	353202.610	105879.000	171398.670	32098.568
x		51078.427	6976.812	2017.091	668.558	355950.970	104699.490	168883.760	32396.290
σ		43.804	236.994	53.184	10.105	2504.623	1022.243	2179.698	267.500
%RSD		0.086	3.397	2.637	1.511	0.704	0.976	1.291	0.826

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	19:22:39	33915.145	9122.575	22209.095	512603.660	74526.030	55754.448	168980.020	290397.270
2	19:23:45	33339.020	8804.261	22044.696	509449.570	75650.057	57260.768	169287.670	287623.130
3	19:24:49	33345.042	8666.129	22201.076	506541.640	77159.463	57235.207	169507.710	290826.670
x		33533.069	8864.322	22151.622	509531.620	75778.517	56750.141	169258.470	289615.690
σ		330.901	234.075	92.688	3031.846	1321.408	862.390	265.053	1738.911
%RSD		0.987	2.641	0.418	0.595	1.744	1.520	0.157	0.600

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	19:22:39	52635.940	61183.196	51282.236	127706.740	92845.709	979178.670	0.000	202488.240
2	19:23:45	52569.558	61412.736	50783.448	128063.710	89946.783	964050.790	0.000	202011.820
3	19:24:49	51272.179	60198.656	50694.956	127047.600	88890.469	957094.130	0.000	198107.290
x		52159.226	60931.529	50920.213	127606.020	90560.987	966774.530	0.000	200869.120
σ		768.921	644.980	316.628	515.488	2047.905	11291.404	0.000	2403.645
%RSD		1.474	1.059	0.622	0.404	2.261	1.168	0.000	1.197

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	19:30:17	T 4777282.800	266934.260	3064.516	59971.159	T 13468726.000	T 7768756.900	1081296.400	1208554.200	710
2	19:31:21	T 4782148.900	266633.630	3021.502	61553.684	T 13579465.000	T 7889438.800	1101490.800	1225620.500	710
3	19:32:24	T 4782874.500	265258.260	2971.486	61293.938	T 13644769.000	T 7887910.100	1111822.300	1235282.600	725
x		T 4780768.700	266275.380	3019.168	60939.594	T 13564320.000	T 7848702.000	1098203.100	1223152.400	715
σ		T 3040.624	893.588	46.559	848.685	T 88993.086	T 69238.626	15526.214	13534.017	8
%RSD		T 0.064	0.336	1.542	1.393	T 0.656	T 0.882	1.414	1.106	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	19:30:17	5379.591	839739.770	T 10733567.000	362755.980	343733.840	130.001	94906.829	49381.757	17
2	19:31:21	5001.375	847676.050	T 10739594.000	371998.460	348294.590	110.001	90110.391	49667.307	16
3	19:32:24	4737.234	856171.520	T 10861876.000	373310.640	348710.080	96.001	87000.316	49522.520	15
x		5039.400	847862.450	T 10778346.000	369355.020	346912.840	112.001	90672.512	49523.861	16
σ		322.862	8217.461	T 72402.080	5752.478	2760.920	17.088	3983.118	142.779	1
%RSD		6.407	0.969	T 0.672	1.557	0.796	15.257	4.393	0.288	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	19:30:17	215406.110	86844.840	T 3785507.000	132234.790	10620.200	1816.181	14112.946	14870.152	2
2	19:31:21	215680.500	87567.724	T 3832727.200	132350.450	10724.322	1776.174	14287.218	14986.342	2
3	19:32:24	217425.330	86901.376	T 3834755.800	133572.130	10698.291	1792.177	14571.669	15026.408	2
x		216170.650	87104.647	T 3817663.300	132719.120	10680.938	1794.844	14323.944	14960.967	2
σ		1095.217	402.032	T 27866.627	740.984	54.187	20.137	231.556	81.160	
%RSD		0.507	0.462	T 0.730	0.558	0.507	1.122	1.617	0.542	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	1(
1	19:30:17	12066.002	7105.576	1956.010	621.821	353784.600	107441.170	172305.580	34133.962	
2	19:31:21	12015.936	6957.862	1986.817	635.622	356391.520	109222.200	175885.160	34892.835	
3	19:32:24	12288.300	6877.400	1983.416	622.221	364766.060	111325.490	179545.680	34820.558	
x		12123.412	6980.279	1975.415	626.555	358314.060	109329.620	175912.140	34615.785	
σ		144.974	115.728	16.890	7.855	5737.614	1944.386	3620.126	418.833	
%RSD		1.196	1.658	0.855	1.254	1.601	1.778	2.058	1.210	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	19:30:17	35278.318	9414.873	22700.306	502363.080	61492.472	45683.295	173970.850	302016.810	501
2	19:31:21	35828.463	9490.952	22545.923	512637.490	71233.392	53218.517	176757.840	305465.200	508
3	19:32:24	35539.332	9508.971	23045.172	520138.060	74951.103	56365.197	176162.450	305808.450	507
x		35548.705	9471.598	22763.801	511712.880	69225.656	51755.670	175630.380	304430.150	505
σ		275.192	49.945	255.609	8923.491	6950.320	5489.144	1467.705	2097.054	3
%RSD		0.774	0.527	1.123	1.744	10.040	10.606	0.836	0.689	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	19:30:17	49874.436	59240.391	52434.783	130410.720	93601.399	970928.170	0.000	163554.130	210
2	19:31:21	50592.387	60041.622	53319.908	132340.310	93870.149	981249.070	0.000	182717.950	213
3	19:32:24	51386.824	60120.139	52656.056	131035.610	93302.349	953526.870	0.000	190470.660	214
x		50617.882	59800.717	52803.582	131262.210	93591.299	968568.040	0.000	178914.250	213
σ		756.516	486.842	460.635	984.549	284.035	14010.988	0.000	13855.542	2
%RSD		1.495	0.814	0.872	0.750	0.303	1.447	0.000	7.744	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	19:37:54	T 4876610.300	270760.970	8.000	1834.185	1476234.900	11725.557	1680.155	1980.216	4585.156
2	19:38:57	T 4823723.900	272170.120	14.000	1652.150	1454058.700	11160.847	1764.171	1808.180	4475.101
3	19:40:01	T 4839367.900	268775.330	7.000	1536.130	1437720.200	9671.141	1380.105	1476.120	4244.991
x		T 4846567.400	270568.810	9.667	1674.155	1456004.600	10852.515	1608.144	1754.838	4435.083
σ		T 27168.350	1705.534	3.786	150.241	19330.943	1061.347	201.906	256.246	173.578
%RSD		T 0.561	0.630	39.165	8.974	1.328	9.780	12.555	14.602	3.914

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	19:37:54	4311.022	837570.710	1129499.300	3040.508	340972.720	94.000	41458.319	1252.086	12849.074
2	19:38:57	4050.902	847903.900	1103119.700	2892.460	340457.960	76.000	33332.998	1054.061	10013.512
3	19:40:01	3836.810	846247.730	1088864.900	2552.358	343850.110	102.001	29060.374	1090.065	8672.134
x		4066.245	843907.450	1107161.300	2828.442	341760.260	90.667	34617.230	1132.071	10511.573
σ		237.478	5549.901	20616.471	250.293	1828.072	13.317	6297.952	105.484	2132.547
%RSD		5.840	0.658	1.862	8.849	0.535	14.688	18.193	9.318	20.288

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	19:37:54	7300.931	556.017	124963.000	102.001	216.003	208.002	516.015	302.005	114.001
2	19:38:57	7389.002	602.020	126197.890	108.001	170.002	158.001	548.017	268.004	98.001
3	19:40:01	7419.026	606.020	124697.390	94.000	174.002	176.002	522.015	268.004	138.001
x		7369.653	588.019	125286.090	101.334	186.669	180.668	528.682	279.338	116.667
σ		61.379	27.787	800.725	7.024	25.483	25.325	17.011	19.631	20.133
%RSD		0.833	4.725	0.639	6.931	13.651	14.017	3.218	7.028	17.257

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	19:37:54	256.004	1416.910	786.634	122.601	357289.770	606.020	854.040	54.000	0.000
2	19:38:57	206.002	1102.067	798.835	127.201	357988.460	438.011	652.023	32.000	2.000
3	19:40:01	222.003	930.048	797.835	133.401	353181.830	394.009	580.019	34.000	0.000
x		228.003	1149.675	794.435	127.734	356153.350	479.346	695.361	40.000	0.667
σ		25.535	246.898	6.774	5.420	2597.019	111.887	142.058	12.166	1.155
%RSD		11.199	21.475	0.853	4.243	0.729	23.342	20.429	30.414	173.205

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	19:37:54	28.000	10.000	18.000	497992.160	3412.640	2576.765	140.001	286.005	497346.200
2	19:38:57	38.000	16.000	34.000	502337.730	2613.976	1943.008	138.001	212.002	496311.910
3	19:40:01	26.000	6.000	22.000	501881.540	2047.231	1559.334	94.000	234.003	492779.300
x		30.667	10.667	24.667	500737.150	2691.282	2026.369	124.001	244.003	495479.140
σ		6.429	5.033	8.327	2388.143	685.980	513.813	26.000	38.001	2394.634
%RSD		20.964	47.186	33.757	0.477	25.489	25.356	20.968	15.574	0.483

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	19:37:54	722.029	848.040	62.000	214.003	424.010	979240.870	0.000	5597.723	210.002
2	19:38:57	628.022	870.042	70.000	164.001	462.012	981893.390	0.000	4305.019	186.002
3	19:40:01	578.018	704.027	48.000	150.001	372.008	977726.110	0.000	3336.612	132.001
x		642.690	807.369	60.000	176.002	419.343	979620.120	0.000	4413.118	176.002
σ		73.117	90.171	11.136	33.646	45.183	2109.369	0.000	1134.425	39.951
%RSD		11.377	11.168	18.559	19.117	10.775	0.215	0.000	25.706	22.699

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	19:45:31	T 4780249.400	266526.560	9.000	1608.142	T 15538638.000	T 4907704.500	669441.020	757870.110	113
2	19:46:34	T 4808570.800	266662.460	13.000	1556.133	T 15711770.000	T 4950635.500	682569.380	764409.030	115
3	19:47:37	T 4806735.300	266497.730	10.000	1394.107	T 15907127.000	T 5000654.300	689827.730	775078.110	115
x		T 4798518.500	266562.250	10.667	1519.461	T 15719178.000	T 4952998.100	680612.710	765785.750	114
σ		T 15848.094	87.972	2.082	111.631	T 184356.120	T 46519.922	10333.245	8686.213	1
%RSD		T 0.330	0.033	19.516	7.347	T 1.173	T 0.939	1.518	1.134	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	19:45:31	1983353.500	817307.030	TM 79251827.000	108147.470	335589.880	4481.104	48004.410	5161.465	147
2	19:46:34	T 1937236.300	808916.020	TM 79910938.000	108863.950	343555.270	4657.193	35902.756	4987.368	112
3	19:47:37	2043515.500	823342.920	TM 81386437.000	110544.040	345532.120	4629.178	29670.339	4881.310	91
x		T 1988035.100	816521.990	TM 80183068.000	109185.150	341559.090	4589.158	37859.168	5010.048	117
σ		T 53294.072	7245.417	TM 1093014.600	1230.148	5263.137	94.620	9322.296	141.448	28
%RSD		T 2.681	0.887	TM 1.363	1.127	1.541	2.062	24.624	2.823	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	19:45:31	17292.431	5421.616	211129.520	108.001	440.011	240.003	1962.212	M 70909.474	108
2	19:46:34	17298.442	5237.508	209516.850	74.000	424.010	216.003	1894.197	70798.615	110
3	19:47:37	17134.132	5231.505	206365.990	76.000	454.011	198.002	1832.185	71778.252	110
x		17241.668	5296.876	209004.120	86.000	439.344	218.003	1896.198	M 71162.114	109
σ		93.178	108.069	2422.800	19.079	15.012	21.072	65.037	M 536.463	1
%RSD		0.540	2.040	1.159	22.185	3.417	9.666	3.430	M 0.754	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	10
1	19:45:31	49882.480	1622.945	943.649	208.202	359801.990	270.004	440.011	16.000	
2	19:46:34	51199.773	1234.084	1000.255	203.402	360396.880	222.003	348.007	20.000	
3	19:47:37	51024.793	983.253	980.453	236.203	358154.830	176.002	312.005	8.000	
x		50702.349	1280.094	974.786	215.936	359451.230	222.669	366.674	14.667	
σ		715.397	322.318	28.725	17.715	1161.452	47.005	66.013	6.110	
%RSD		1.411	25.179	2.947	8.204	0.323	21.110	18.003	41.660	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	19:45:31	10.000	2.000	922.047	501687.250	1760.771	1306.894	142.001	206.002	5072
2	19:46:34	4.000	10.000	960.051	509179.020	1150.073	855.240	90.000	162.001	5060
3	19:47:37	8.000	22.000	910.046	499508.030	871.242	630.622	82.000	158.001	5000
x		7.333	11.333	930.714	503458.100	1260.695	930.919	104.667	175.335	5044
σ		3.055	10.066	26.105	5072.869	454.965	344.429	32.579	26.634	38
%RSD		41.660	88.822	2.805	1.008	36.088	36.999	31.126	15.190	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	19:45:31	1396.107	1554.133	40.000	118.001	556.017	988365.600	0.000	4064.909	
2	19:46:34	1106.067	1216.081	38.000	104.001	556.017	973480.720	0.000	2090.240	
3	19:47:37	984.053	1132.071	48.000	118.001	484.013	979609.600	0.000	1422.111	
x		1162.076	1300.762	42.000	113.334	532.016	980485.310	0.000	2525.753	
σ		211.660	223.410	5.292	8.083	41.572	7480.981	0.000	1374.172	
%RSD		18.214	17.175	12.599	7.132	7.814	0.763	0.000	54.406	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	19:53:06	T 4683162.800	263203.820	2772.423	57704.560	T 27970063.000	T 12285509.000	T 1711863.400	T 1899837.000
2	19:54:10	T 4667369.500	262030.650	2803.432	57968.230	T 27767130.000	T 12190879.000	T 1719501.400	T 1902464.600
3	19:55:13	T 4681284.700	262096.510	2696.400	58574.095	T 27932589.000	T 12377233.000	T 1727570.800	T 1912769.100
x		T 4677272.300	262443.660	2757.418	58082.295	T 27889927.000	T 12284540.000	T 1719645.200	T 1905023.600
σ		T 8627.400	659.141	55.071	445.848	T 107983.850	T 93181.001	T 7854.735	T 6835.284
%RSD		T 0.184	0.251	1.997	0.768	T 0.387	T 0.759	T 0.457	T 0.359

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	19:53:06	2050021.500	811298.980	TM 89529200.000	471552.740	340100.960	4833.285	97669.864	49407.899
2	19:54:10	2070450.400	820762.510	TM 91118863.000	477238.210	339922.470	4857.297	89235.828	48907.202
3	19:55:13	2110981.200	838619.070	TM 91907287.000	472559.030	343542.820	4815.275	84726.995	49257.084
x		2077151.000	823560.180	TM 90851783.000	473783.320	341188.750	4835.286	90544.229	49190.728
σ		31027.320	13873.251	TM 1211331.500	3034.026	2040.635	21.083	6569.886	256.859
%RSD		1.494	1.685	TM 1.333	0.640	0.598	0.436	7.256	0.522

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	19:53:06	209001.180	86388.523	T 3605993.000	120377.750	9841.324	1686.156	14711.895	M 90970.898
2	19:54:10	211628.930	86541.972	T 3642667.000	123118.090	9745.221	1682.156	14481.525	M 90882.015
3	19:55:13	211336.240	86939.740	T 3616179.400	121715.390	9925.415	1798.178	15076.491	M 91708.251
x		210655.450	86623.412	T 3621613.100	121737.070	9837.320	1722.163	14756.637	M 91187.055
σ		1440.097	284.490	T 18931.175	1370.296	90.164	65.861	299.996	M 453.552
%RSD		0.684	0.328	T 0.523	1.126	0.917	3.824	2.033	M 0.497

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	19:53:06	M 66591.000	6795.339	2035.828	677.825	359573.200	105164.780	170192.320	32774.975
2	19:54:10	M 66155.840	6567.972	2122.248	700.427	352583.250	104428.370	167362.510	33037.924
3	19:55:13	M 66800.529	6516.335	2166.458	711.628	355106.680	105749.510	167784.180	33212.558
x		M 66515.790	6626.548	2108.178	696.627	355754.380	105114.220	168446.340	33008.486
σ		M 328.859	148.439	66.442	17.219	3539.701	662.020	1526.697	220.272
%RSD		M 0.494	2.240	3.152	2.472	0.995	0.630	0.906	0.667

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	19:53:06	33477.528	8515.987	22022.643	500073.900	77296.419	57895.167	167107.890	288333.100
2	19:54:10	33654.178	8692.154	22162.983	505142.940	77528.382	57948.505	166160.770	288648.890
3	19:55:13	33854.921	8467.942	21984.551	504086.670	77662.116	57727.505	168040.850	286052.730
x		33662.209	8558.694	22056.725	503101.170	77495.639	57857.059	167103.170	287678.240
σ		188.825	118.049	93.972	2674.361	185.034	115.323	940.053	1416.558
%RSD		0.561	1.379	0.426	0.532	0.239	0.199	0.563	0.492

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	19:53:06	53323.932	63130.441	52018.401	127710.800	90362.879	967417.870	0.000	196547.990
2	19:54:10	53997.893	61906.065	50837.750	125873.440	89912.446	969743.140	0.000	194570.120
3	19:55:13	51688.527	60430.184	49546.651	126114.750	88769.294	943412.840	0.000	191524.460
x		53003.451	61822.230	50800.934	126566.330	89681.539	960191.280	0.000	194214.190
σ		1187.570	1352.079	1236.286	998.457	821.503	14576.998	0.000	2530.608
%RSD		2.241	2.187	2.434	0.789	0.916	1.518	0.000	1.303

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	20:00:43	T 4762257.800	267556.150	14.000	1852.189	T 14940421.000	T 4566113.600	626825.900	694922.670	22
2	20:01:46	T 4830596.100	268379.900	15.000	1652.150	T 15025760.000	T 4617509.500	630250.970	698445.920	22
3	20:02:49	T 4762535.200	267840.330	7.000	1670.153	T 15100997.000	T 4599796.400	625178.030	692133.480	22
x		T 4785129.700	267925.460	12.000	1724.831	T 15022393.000	T 4594473.200	627418.300	695167.360	22
σ		T 39375.324	418.423	4.359	110.662	T 80341.191	T 26108.192	2587.834	3163.326	
%RSD		T 0.823	0.156	36.324	6.416	T 0.535	T 0.568	0.412	0.455	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	20:00:43	1984824.800	800898.670	TM 70416587.000	443416.550	341931.750	4537.132	42704.065	6908.624	13
2	20:01:46	1976263.400	804564.090	TM 70027669.000	440915.190	342766.310	4653.191	32098.568	6846.577	10
3	20:02:49	2009884.100	824907.680	TM 71572536.000	447426.010	346383.620	4411.070	27200.632	6824.561	8
x		1990324.100	810123.480	TM 70672264.000	443919.250	343693.900	4533.798	34001.088	6859.921	10
σ		17471.924	12933.996	TM 803542.870	3284.392	2366.451	121.095	7924.885	43.591	2
%RSD		0.878	1.597	TM 1.137	0.740	0.689	2.671	23.308	0.635	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	20:00:43	21920.396	9412.871	278668.620	148.001	642.023	252.003	1908.200	M 101673.400	M 15
2	20:01:46	21481.350	9853.337	276015.490	158.001	620.021	266.004	3336.612	M 101962.610	M 15
3	20:02:49	21980.541	9693.165	279103.660	118.001	650.023	218.003	1894.197	M 103093.260	M 16
x		21794.095	9653.124	277929.260	141.334	637.356	245.337	2379.670	M 102243.090	M 15
σ		272.510	222.946	1671.583	20.817	15.536	24.685	828.766	M 750.333	M
%RSD		1.250	2.310	0.601	14.729	2.438	10.062	34.827	M 0.734	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	1(
1	20:00:43	M 73413.231	1452.916	987.054	196.802	350754.510	224.003	402.009	18.000	
2	20:01:46	M 73024.115	1139.671	969.652	213.403	352566.630	258.004	340.006	22.000	
3	20:02:49	M 73151.130	940.049	995.855	213.403	357872.010	220.003	356.007	12.000	
x		M 73196.159	1177.545	984.187	207.869	353731.050	234.003	366.007	17.333	
σ		M 198.427	258.523	13.335	9.584	3698.865	20.881	32.188	5.033	
%RSD		M 0.271	21.954	1.355	4.611	1.046	8.923	8.794	29.038	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	20:00:43	20.000	14.000	912.046	502156.100	426.010	299.405	674.025	1222.082	491
2	20:01:46	20.000	10.000	836.038	498849.290	351.207	235.403	652.023	1174.076	502
3	20:02:49	20.000	18.000	840.039	496143.060	286.005	210.202	636.022	1046.060	490
x		20.000	14.000	862.708	499049.480	354.407	248.337	654.024	1147.406	495
σ		0.000	4.000	42.775	3011.515	70.058	45.986	19.080	90.991	6
%RSD		0.000	28.571	4.958	0.603	19.768	18.518	2.917	7.930	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	20:00:43	784.034	804.036	78.000	144.001	778.033	945218.760	0.000	1396.107	
2	20:01:46	732.029	810.036	42.000	154.001	794.035	959408.020	0.000	996.055	
3	20:02:49	636.022	774.033	48.000	144.001	654.024	944426.420	0.000	696.027	
x		717.362	796.035	56.000	147.335	742.031	949684.400	0.000	1029.396	
σ		75.088	19.289	19.287	5.774	76.635	8430.219	0.000	351.229	
%RSD		10.467	2.423	34.442	3.919	10.328	0.888	0.000	34.120	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	20:08:19	T 4963687.300	273365.190	7.000	1434.113	1344837.500	7264.902	1020.057	1204.080	6516.335
2	20:09:22	T 4956516.300	276299.940	10.000	1434.113	1329182.200	6001.981	792.035	912.046	6432.275
3	20:10:26	T 4974678.700	277120.350	14.000	1408.109	1312121.900	5505.667	656.024	712.028	6216.124
x		T 4964960.800	275595.160	10.333	1425.445	1328713.900	6257.516	822.705	942.718	6388.245
σ		T 9147.910	1974.297	3.512	15.013	16362.820	907.029	183.945	247.456	154.873
%RSD		T 0.184	0.716	33.986	1.053	1.231	14.495	22.359	26.249	2.424

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	20:08:19	6526.342	799706.240	1274091.200	3344.615	345839.480	188.002	39602.070	2088.240	12234.227
2	20:09:22	6470.302	804243.500	1247297.100	3308.602	360925.230	140.001	31331.900	2046.230	9318.774
3	20:10:26	6134.069	808230.920	1225447.300	3324.608	355156.570	138.001	25876.776	2134.251	8043.557
x		6376.904	804060.220	1248945.200	3325.942	353973.760	155.335	32270.249	2089.574	9865.519
σ		212.160	4265.296	24363.800	18.044	7612.111	28.308	6910.593	44.025	2148.168
%RSD		3.327	0.530	1.951	0.543	2.150	18.224	21.415	2.107	21.775

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	20:08:19	22355.453	1836.185	280045.990	50.000	246.003	200.002	490.013	1038.059	200.002
2	20:09:22	22652.187	1912.201	285023.140	38.000	216.003	184.002	502.014	1008.056	208.002
3	20:10:26	22523.868	1856.190	285625.610	28.000	244.003	184.002	500.014	1010.056	232.003
x		22510.503	1868.192	283564.910	38.667	235.336	189.335	497.347	1018.724	213.336
σ		148.817	39.404	3062.331	11.015	16.773	9.238	6.429	16.775	16.654
%RSD		0.661	2.109	1.080	28.487	7.127	4.879	1.293	1.647	7.806

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	20:08:19	772.033	1242.485	809.636	142.401	369428.790	82.000	148.001	8.000	2.000
2	20:09:22	760.032	942.449	831.038	136.001	369216.420	80.000	134.001	10.000	0.000
3	20:10:26	690.026	790.434	821.437	135.401	380141.130	68.000	146.001	8.000	2.000
x		740.697	991.789	820.704	137.934	372928.780	76.667	142.668	8.667	1.333
σ		44.290	230.029	10.720	3.880	6246.982	7.572	7.572	1.155	1.155
%RSD		5.980	23.193	1.306	2.813	1.675	9.876	5.307	13.323	86.603

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	20:08:19	10.000	6.000	934.048	512806.650	200.802	146.401	44.000	88.000	512371.090
2	20:09:22	14.000	4.000	954.050	527386.280	180.002	128.201	36.000	68.000	515204.690
3	20:10:26	0.000	6.000	1028.058	524447.360	164.401	124.601	52.000	78.000	523655.620
x		8.000	5.333	972.052	521546.760	181.735	133.068	44.000	78.000	517077.130
σ		7.211	1.155	49.523	7710.484	18.262	11.687	8.000	10.000	5870.666
%RSD		90.139	21.651	5.095	1.478	10.049	8.782	18.182	12.821	1.135

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	20:08:19	580.019	618.021	24.000	74.000	382.008	998487.190	0.000	374.008	34.000
2	20:09:22	612.021	616.021	34.000	56.000	330.006	1013981.700	0.000	378.008	24.000
3	20:10:26	528.015	590.019	28.000	86.000	346.007	1019494.100	0.000	344.007	14.000
x		573.351	608.020	28.667	72.000	352.674	1010654.300	0.000	365.341	24.000
σ		42.398	15.622	5.033	15.100	26.634	10891.539	0.000	18.584	10.000
%RSD		7.395	2.569	17.558	20.972	7.552	1.078	0.000	5.087	41.667

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	20:15:53	T 5042696.900	282984.930	11.000	1272.089	1313492.300	4519.123	652.023	616.021	5097.429
2	20:16:57	T 5041779.200	280373.860	11.000	1222.082	1306665.400	4543.135	500.014	704.027	4975.361
3	20:18:00	T 5071509.100	277338.870	8.000	1162.074	1289116.900	4132.939	560.017	680.025	5171.471
x		T 5051995.100	280232.550	10.000	1218.749	1303091.500	4398.399	570.685	666.691	5081.420
σ		T 16905.907	2825.681	1.732	55.083	12574.552	230.208	76.564	45.493	99.030
%RSD		T 0.335	1.008	17.321	4.520	0.965	5.234	13.416	6.824	1.949
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
1	20:15:53	5651.756	803458.420	1140475.200	2708.403	358441.810	140.001	41840.061	2162.257	12696.860
2	20:16:57	5481.652	800530.240	1131200.600	2832.441	356179.450	192.002	31679.100	2178.261	9699.171
3	20:18:00	5551.695	807462.970	1127599.700	3056.514	357817.940	164.001	26243.826	2062.234	8315.802
x		5561.701	803817.210	1133091.800	2865.786	357479.730	165.335	33254.329	2134.251	10237.278
σ		85.492	3480.264	6642.812	176.434	1168.488	26.026	7916.543	62.880	2239.551
%RSD		1.537	0.433	0.586	6.157	0.327	15.741	23.806	2.946	21.876
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
1	20:15:53	13025.325	1370.103	115636.800	22.000	242.003	202.002	604.020	994.054	232.003
2	20:16:57	12987.270	1382.105	116258.660	30.000	230.003	194.002	524.015	850.040	218.003
3	20:18:00	13083.408	1350.100	115958.870	32.000	238.003	188.002	544.016	910.046	216.003
x		13032.001	1367.436	115951.440	28.000	236.670	194.669	557.350	918.047	222.003
σ		48.415	16.168	310.995	5.292	6.110	7.024	41.636	72.340	8.718
%RSD		0.372	1.182	0.268	18.898	2.582	3.608	7.470	7.880	3.927
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
1	20:15:53	714.028	1298.893	811.036	141.001	373852.230	60.000	100.001	6.000	0.000
2	20:16:57	624.021	998.855	812.236	137.801	370986.330	54.000	80.000	6.000	0.000
3	20:18:00	706.027	818.037	818.637	132.601	378611.230	46.000	80.000	12.000	4.000
x		681.359	1038.595	813.970	137.134	374483.260	53.333	86.667	8.000	1.333
σ		49.817	242.879	4.086	4.240	3851.418	7.024	11.547	3.464	2.309
%RSD		7.311	23.385	0.502	3.092	1.028	13.170	13.324	43.301	173.205
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
1	20:15:53	2.000	12.000	1070.063	524379.620	154.201	115.601	32.000	82.000	521450.110
2	20:16:57	6.000	8.000	1002.055	524663.310	147.201	98.401	40.000	58.000	523651.390
3	20:18:00	8.000	4.000	978.053	532215.900	162.801	95.200	36.000	44.000	527814.070
x		5.333	8.000	1016.724	527086.280	154.735	103.067	36.000	61.334	524305.190
σ		3.055	4.000	47.727	4444.650	7.814	10.972	4.000	19.218	3231.961
%RSD		57.282	50.000	4.694	0.843	5.050	10.645	11.111	31.334	0.616
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
1	20:15:53	482.013	584.019	24.000	62.000	364.007	1020002.600	0.000	326.006	14.000
2	20:16:57	550.017	512.014	24.000	58.000	364.007	1022470.100	0.000	280.004	8.000
3	20:18:00	504.014	548.017	18.000	64.000	348.007	1040484.400	0.000	268.004	6.000
x		512.014	548.017	22.000	61.334	358.674	1027652.400	0.000	291.338	9.333
σ		34.701	36.002	3.464	3.055	9.238	11181.127	0.000	30.617	4.163
%RSD		6.777	6.570	15.746	4.981	2.576	1.088	0.000	10.509	44.607

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	20:23:28	T 4726039.700	263677.250	12.000	1284.091	T 24733182.000	T 6913813.300	967639.730	1082877.000
2	20:24:31	T 4796576.300	270530.250	15.000	1272.089	T 25047768.000	T 6974230.000	977135.370	1088887.400
3	20:25:35	T 4709157.900	261174.540	16.000	1224.082	T 24837306.000	T 6940913.600	966521.640	1073855.000
x		T 4743924.600	265127.350	14.333	1260.087	T 24872752.000	T 6942985.600	970432.250	1081873.100
σ		T 46372.409	4843.492	2.082	31.753	T 160260.670	T 30261.620	5831.931	7566.292
%RSD		T 0.978	1.827	14.523	2.520	T 0.644	T 0.436	0.601	0.699
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**
1	20:23:28	T 6412104.000	772660.760	TM 63807913.000	TM 7557191.600	330923.400	15176.658	39710.542	27772.357
2	20:24:31	T 6467441.600	779246.870	TM 64769117.000	TM 7601802.700	332076.320	14908.214	28903.876	28372.205
3	20:25:35	T 6432249.400	760168.640	TM 64911626.000	TM 7626044.400	333204.490	15136.591	23061.213	28534.712
x		T 6437265.000	770692.090	TM 64496219.000	TM 7595012.900	332068.070	15073.821	30558.544	28226.425
σ		T 28007.663	9690.278	TM 600333.830	TM 34924.923	1140.569	144.812	8447.099	401.541
%RSD		T 0.435	1.257	TM 0.931	TM 0.460	0.343	0.961	27.642	1.423
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**

1	20:23:28	103756.740	126035.660	1866808.000	958.050	2902.463	588.019	7184.838	M 243680.720	M
2	20:24:31	105609.900	126380.400	1870295.800	884.043	2976.487	550.017	7144.807	M 247621.080	M
3	20:25:35	105312.480	126942.140	1867153.300	908.045	2978.488	612.021	7362.981	M 248159.460	M
x		104893.040	126452.730	1868085.700	916.713	2952.479	583.352	7230.875	M 246487.090	M
σ		995.236	457.550	1921.759	37.757	43.327	31.264	116.144	M 2445.246	
%RSD		0.949	0.362	0.103	4.119	1.467	5.359	1.606	M 0.992	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	
1	20:23:28	M 176519.270	1661.752	1142.072	312.805	361320.470	542.016	942.049	620.021	
2	20:24:31	M 176719.100	1356.501	1184.677	299.405	368675.100	584.019	968.052	560.017	
3	20:25:35	M 175667.000	1170.075	1181.677	317.806	365352.930	548.017	1006.056	616.021	
x		M 176301.790	1396.110	1169.475	310.005	365116.170	558.017	972.052	598.686	
σ		M 558.750	248.220	23.779	9.515	3683.025	22.717	32.190	33.548	
%RSD		M 0.317	17.779	2.033	3.069	1.009	4.071	3.312	5.604	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	20:23:28	510.014	898.044	2772.423	496088.180	233.203	182.002	17584.991	30186.033	4
2	20:24:31	550.017	884.043	2702.402	499541.810	218.403	161.601	17997.798	31044.918	5
3	20:25:35	596.020	886.043	2652.387	501408.480	214.403	154.401	17917.640	30784.033	4
x		552.017	889.377	2709.070	499012.820	222.003	166.002	17833.476	30671.661	4
σ		43.037	7.573	60.295	2699.308	9.904	14.317	218.895	440.331	
%RSD		7.796	0.851	2.226	0.541	4.461	8.624	1.227	1.436	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	20:23:28	1148.073	1296.092	116.001	328.006	26657.026	947516.500	0.000	1180.077
2	20:24:31	1104.067	1264.088	154.001	356.007	27136.441	966330.870	2.000	1048.060
3	20:25:35	1112.068	1226.083	130.001	310.005	26723.220	937439.780	0.000	1054.061
x		1121.403	1262.088	133.334	331.339	26838.895	950429.050	0.667	1094.066
σ		23.441	35.048	19.218	23.181	259.799	14664.107	1.155	74.548
%RSD		2.090	2.777	14.414	6.996	0.968	1.543	173.205	6.814

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	20:31:03	T 4802637.600	270052.350	15.000	28974.099	T 8893089.800	T 8311888.600	1168769.300	1307281.200
2	20:32:06	T 4820650.600	272038.260	9.000	28919.927	T 8871081.500	T 8356942.100	1170042.500	1315143.400
3	20:33:10	T 4822614.100	269067.790	13.000	28833.653	T 8824419.100	T 8332052.800	1171547.100	1313331.300
x		T 4815300.700	270386.140	12.333	28909.226	T 8862863.500	T 8333627.800	1170119.600	1311918.600
σ		T 11010.472	1513.103	3.055	70.832	T 35065.224	T 22568.039	1390.490	4117.036
%RSD		T 0.229	0.560	24.771	0.245	T 0.396	T 0.271	0.119	0.314

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	20:31:03	569700.390	781402.650	TM 54450233.000	TM 3039990.300	342438.290	1896.198	39079.818	9603.069
2	20:32:06	576652.840	798030.120	TM 54764028.000	TM 3029546.500	345444.900	1924.204	34085.782	9931.422
3	20:33:10	581179.930	803752.820	TM 54537764.000	TM 3031019.000	345091.860	1804.179	30067.641	9903.391
x		575844.390	794395.200	TM 54584008.000	TM 3033518.600	344325.020	1874.860	34411.080	9812.628
σ		5782.315	11609.997	TM 161928.300	TM 5652.808	1643.457	62.793	4514.886	182.023
%RSD		1.004	1.461	TM 0.297	TM 0.186	0.477	3.349	13.120	1.855

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	20:31:03	103374.420	M 1220485.600	1902724.000	680.025	1372.104	338.006	7312.940	55289.622
2	20:32:06	105484.450	M 1228767.900	1905548.000	756.031	1416.110	372.008	7547.132	55295.659
3	20:33:10	104569.980	M 1219513.200	1921978.400	680.025	1262.088	372.008	7567.148	54903.291
x		104476.280	M 1222922.200	1910083.500	705.361	1350.101	360.674	7475.740	55162.857
σ		1058.131	M 5085.815	10397.669	43.882	79.334	19.631	141.343	224.811
%RSD		1.013	M 0.416	0.544	6.221	5.876	5.443	1.891	0.408

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	20:31:03	40250.911	1564.535	905.845	187.202	365985.640	3486.669	5491.658	188.002
2	20:32:06	40311.177	1366.103	1012.656	224.003	366709.970	3536.688	5353.576	216.003
3	20:33:10	40176.583	1188.478	1055.061	238.203	368391.960	3468.662	5587.717	188.002
x		40246.223	1373.038	991.188	216.469	367029.190	3497.339	5477.650	197.335
σ		67.419	188.124	76.890	26.322	1234.516	35.246	117.697	16.166
%RSD		0.168	13.701	7.757	12.160	0.336	1.008	2.149	8.192

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	20:31:03	144.001	624.021	1746.168	504196.510	511.414	364.807	93150.806	159199.850
2	20:32:06	188.002	532.016	1850.188	501653.460	482.213	358.007	94682.508	158735.840
3	20:33:10	238.003	554.017	1716.162	510738.980	465.212	352.007	92892.180	157991.040
x		190.002	570.018	1770.839	505529.650	486.280	358.274	93575.165	158642.250
σ		47.033	48.045	70.337	4687.179	23.368	6.404	967.667	609.819
%RSD		24.754	8.429	3.972	0.927	4.806	1.788	1.034	0.384

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	20:31:03	1128.070	1352.101	98.001	232.003	29224.900	971727.160	0.000	1140.072
2	20:32:06	1150.073	1374.104	94.000	274.004	28921.933	964077.400	0.000	1006.056
3	20:33:10	1040.060	1260.087	116.001	238.003	29895.074	986667.110	0.000	1054.061
x		1106.067	1328.764	102.667	248.003	29347.302	974157.220	0.000	1066.729
σ		58.214	60.485	11.719	22.716	497.983	11489.240	0.000	67.900
%RSD		5.263	4.552	11.415	9.160	1.697	1.179	0.000	6.365

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26
1	20:38:38	T 4667049.300	265875.920	25.000	24172.093	T 7796089.700	T 13340515.000	T 1858305.900	T 2078980.
2	20:39:41	T 4604494.700	263911.910	32.000	23454.217	T 7678447.500	T 13291406.000	T 1843486.600	T 2059118.
3	20:40:45	T 4521707.600	258672.510	49.000	24019.690	T 7700119.100	T 13362145.000	T 1881524.600	T 2104046.
x		T 4597750.500	262820.110	35.333	23882.000	T 7724885.400	T 13331355.000	T 1861105.700	T 2080714.
σ		T 72905.204	3723.747	12.342	378.227	T 62609.537	T 36248.088	T 19172.947	T 22513.
%RSD		T 1.586	1.417	34.931	1.584	T 0.810	T 0.272	T 1.030	T 1.

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	5
1	20:38:38	589925.120	846230.210	TM 114195020.000	TM 3212408.400	339793.790	5591.719	55643.773	24150.
2	20:39:41	589407.090	867886.050	TM 115578780.000	TM 3247012.000	336332.580	5615.734	47236.402	24013.
3	20:40:45	598349.860	876821.500	TM 115216520.000	TM 3225933.500	338971.950	5735.809	43415.422	24113.
x		592560.690	863645.920	TM 114996770.000	TM 3228451.300	338366.100	5647.754	48765.199	24092.
σ		5020.257	15730.249	TM 717576.250	TM 17438.655	1808.390	77.197	6255.882	70.
%RSD		0.847	1.821	TM 0.624	TM 0.540	0.534	1.367	12.829	0.

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	6

1	20:38:38	922534.480	M 1227847.100	T 15601352.000	5107.434	4046.901	760.032	20290.619	M 108981.
2	20:39:41	934808.390	M 1244244.100	T 15606963.000	5217.497	3832.808	690.026	20432.937	M 109525.
3	20:40:45	946338.790	M 1259765.600	T 15722151.000	5393.600	3994.878	686.026	20926.057	M 110793.
x		934560.550	M 1243952.300	T 15643489.000	5239.510	3958.195	712.028	20549.871	M 109766.
σ		11904.089	M 15961.282	T 68180.870	144.347	111.661	41.621	333.467	M 929.
%RSD		1.274	M 1.283	T 0.436	2.755	2.821	5.845	1.623	M 0.

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	10
1	20:38:38	M 78394.563	2935.274	1015.257	230.203	435927.060	9537.000	15126.574	1320.
2	20:39:41	M 79132.919	2663.990	1132.871	273.204	438271.860	9563.027	15292.852	1372.
3	20:40:45	M 79986.339	2389.114	1160.674	284.004	436459.720	9498.960	15633.431	1182.
x		M 79171.273	2662.793	1102.934	262.470	436886.210	9532.996	15350.952	1291.
σ		M 796.581	273.082	77.193	28.462	1229.204	32.221	258.375	98.
%RSD		M 1.006	10.255	6.999	10.844	0.281	0.338	1.683	7.

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	13
1	20:38:38	1302.093	2946.477	6994.690	490787.790	990.454	767.032	81225.251	136164.
2	20:39:41	1352.101	3062.516	6892.612	490897.480	1008.256	752.031	82006.215	137837.
3	20:40:45	1290.092	2758.418	7236.879	502536.270	974.452	720.229	81624.806	138383.
x		1314.762	2922.471	7041.394	494740.510	991.054	746.431	81618.757	137461.
σ		32.888	153.464	176.822	6751.545	16.910	23.899	390.517	1156.
%RSD		2.501	5.251	2.511	1.365	1.706	3.202	0.478	0.

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	23
1	20:38:38	1528.128	1872.193	574.018	1384.105	170874.950	954466.200	0.000	12482.
2	20:39:41	1512.126	1860.190	588.019	1408.109	173424.560	955285.960	0.000	12378.
3	20:40:45	1574.136	1604.142	612.021	1356.101	168955.570	926238.190	0.000	12250.
x		1538.130	1778.842	591.353	1382.772	171085.030	945330.120	0.000	12370.
σ		32.192	151.414	19.219	26.030	2241.885	16539.172	0.000	116.
%RSD		2.093	8.512	3.250	1.882	1.310	1.750	0.000	0.

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	20:46:12	T 4580100.400	262215.880	36.000	4753.242	T 20368368.000	T 6861621.400	957714.660	1068356.200	TM
2	20:47:16	T 4561383.100	259532.500	39.000	4605.166	T 20235091.000	T 6874457.700	955587.300	1064339.500	TM
3	20:48:19	T 4529284.100	258322.770	47.000	4687.208	T 20293107.000	T 6850035.800	953420.540	1068441.400	TM
x		T 4556922.500	260023.720	40.667	4681.872	T 20298855.000	T 6862038.300	955574.170	1067045.700	TM
σ		T 25700.105	1992.497	5.686	74.182	T 66823.990	T 12216.291	2147.091	2344.038	
%RSD		T 0.564	0.766	13.983	1.584	T 0.329	T 0.178	0.225	0.220	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	20:46:12	391646.390	871570.790	T 17634371.000	TM 1908842.500	335386.580	5655.759	46472.480	190174.560
2	20:47:16	392218.270	864062.270	T 17619873.000	TM 1932293.400	335801.480	5745.815	36639.687	186887.440
3	20:48:19	392683.730	872207.750	T 17622290.000	TM 1949281.600	340802.510	5519.675	32353.469	186860.900
x		392182.800	869280.270	T 17625511.000	TM 1930139.200	337330.190	5640.416	38488.545	187974.300
σ		519.580	4530.134	T 7767.364	TM 20305.403	3014.269	113.848	7238.807	1905.529
%RSD		0.132	0.521	T 0.044	TM 1.052	0.894	2.018	18.808	1.014

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	20:46:12	892720.850	314058.690	T 14801618.000	7683.245	19162.174	3004.496	M 75179.578	M 722187.660
2	20:47:16	889437.200	316105.840	T 14849111.000	7875.410	18739.294	2964.483	M 75189.661	M 713420.340
3	20:48:19	882092.680	313152.220	T 14661756.000	7801.346	18478.761	2962.483	M 75607.102	M 719982.640
x		888083.580	314438.920	T 14770828.000	7786.667	18793.410	2977.154	M 75325.447	M 718530.210
σ		5441.848	1513.079	T 97398.655	96.919	344.905	23.700	M 243.972	M 4560.549
%RSD		0.613	0.481	T 0.659	1.245	1.835	0.796	M 0.324	M 0.635

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	20:46:12	M 510681.910	2135.851	1065.062	246.003	1312273.600	16955.798	26992.012	15048.445
2	20:47:16	M 508025.080	1828.984	1144.672	273.604	1294118.300	16460.889	27102.339	15459.133
3	20:48:19	M 503630.390	1578.537	1146.872	280.804	1328173.500	17208.271	27148.477	15226.741
x		M 507445.790	1847.791	1118.869	266.804	1311521.800	16874.986	27080.943	15244.773
σ		M 3561.271	279.132	46.611	18.370	17040.032	380.188	80.397	205.937
%RSD		M 0.702	15.106	4.166	6.885	1.299	2.253	0.297	1.351

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	20:46:12	15352.953	M 50916.187	M 124956.920	502346.180	17751.114	13269.277	59854.394	101210.270
2	20:47:16	15106.541	M 51487.391	M 125546.970	498004.830	17623.466	13231.422	59268.574	99839.239
3	20:48:19	15745.624	M 51067.030	M 125382.720	502620.750	17847.101	13374.631	58906.231	101491.380
x		15401.706	M 51156.869	M 125295.540	500990.590	17740.560	13291.777	59343.066	100846.970
σ		322.319	M 296.010	M 304.532	2589.384	112.191	74.209	478.451	883.963
%RSD		2.093	M 0.579	M 0.243	0.517	0.632	0.558	0.806	0.877

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	20:46:12	1636.147	1824.183	626.022	1554.133	M 2178183.600	952764.850	0.000	7399.010
2	20:47:16	1566.135	1764.171	664.024	1632.147	M 2169788.100	968203.250	0.000	7569.150
3	20:48:19	1478.120	1668.153	658.024	1494.123	M 2221731.000	976473.610	0.000	7529.117
x		1560.134	1752.169	649.357	1560.134	M 2189900.900	965813.900	0.000	7499.092
σ		79.184	78.704	20.430	69.207	M 27883.470	12033.623	0.000	88.955
%RSD		5.075	4.492	3.146	4.436	M 1.273	1.246	0.000	1.186

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	20:53:48	T 4659707.500	264636.530	28.000	291999.380	T 13907040.000	T 5734436.000	797607.320	899666.030	T
2	20:54:51	T 4669034.200	261857.780	26.000	294712.860	T 14042169.000	T 5839931.500	803619.800	899696.870	T
3	20:55:55	T 4607098.500	259939.900	37.000	M 297830.020	T 14119571.000	T 5891757.000	811704.920	906938.120	T
x		T 4645280.100	262144.740	30.333	M 294847.420	T 14022927.000	T 5822041.500	804310.680	902100.340	T
σ		T 33393.409	2361.427	5.859	M 2917.651	T 107563.960	T 80171.807	7074.150	4189.668	
%RSD		T 0.719	0.901	19.317	M 0.990	T 0.767	T 1.377	0.880	0.464	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	20:53:48	287398.180	867139.610	T 27706465.000	TM 7212001.000	348361.070	3204.565	32995.771	24976.263
2	20:54:51	294363.830	877535.730	T 27967156.000	TM 7381637.700	346396.080	3086.524	27214.674	25060.494
3	20:55:55	294192.410	875727.180	T 28429704.000	TM 7328764.300	345743.950	3142.543	23919.426	25253.026
x		291984.810	873467.510	T 28034442.000	TM 7307467.600	346833.700	3144.544	28043.291	25096.594
σ		3973.056	5554.226	T 366283.910	TM 86800.423	1362.337	59.046	4594.558	141.869
%RSD		1.361	0.636	T 1.307	TM 1.188	0.393	1.878	16.384	0.565

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	20:53:48	663607.750	M 2069147.700	T 11303258.000	5387.596	8746.205	1436.113	14713.898	M 93265.978
2	20:54:51	670969.780	M 2105870.200	T 11438228.000	5773.833	8842.298	1414.110	15002.369	M 93761.032
3	20:55:55	670683.790	M 2097255.500	T 11375613.000	5783.839	8946.400	1476.120	15138.594	M 94850.243
x		668420.440	M 2090757.800	T 11372367.000	5648.423	8844.968	1442.114	14951.620	M 93959.084
σ		4170.363	M 19204.168	T 67543.591	225.938	100.124	31.437	216.849	M 810.489
%RSD		0.624	M 0.919	T 0.594	4.000	1.132	2.180	1.450	M 0.863

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	20:53:48	M 66802.543	2601.972	937.048	208.002	574581.680	2716.406	4371.051	1558.134
2	20:54:51	M 69200.379	2372.710	956.650	200.202	584475.460	2822.438	4353.042	1472.119
3	20:55:55	M 68468.872	2157.456	974.252	200.202	581642.130	2744.414	4499.113	1592.139
x		M 68157.265	2377.379	955.984	202.802	580233.090	2761.086	4407.735	1540.797
σ		M 1228.914	222.295	18.611	4.503	5095.174	54.947	79.646	61.860
%RSD		M 1.803	9.350	1.947	2.221	0.878	1.990	1.807	4.015

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	20:53:48	1628.146	3748.773	9018.471	498823.960	3159.749	2384.913	125265.120	214509.270
2	20:54:51	1558.134	3766.780	9140.593	510899.640	3223.972	2406.118	127096.270	217398.710
3	20:55:55	1586.138	3586.707	8840.296	508680.230	3189.359	2424.323	127505.950	217271.720
x		1590.806	3700.754	8999.787	506134.610	3191.027	2405.118	126622.450	216393.230
σ		35.239	99.176	151.018	6427.728	32.144	19.724	1193.195	1632.794
%RSD		2.215	2.680	1.678	1.270	1.007	0.820	0.942	0.755

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	20:53:48	1350.100	1560.134	298.005	850.040	M 594979.060	979916.150	0.000	5551.695
2	20:54:51	1262.088	1528.128	290.005	864.041	M 606301.650	1001470.100	0.000	5661.762
3	20:55:55	1370.103	1622.145	278.004	726.029	M 600925.720	989339.480	0.000	5989.973
x		1327.430	1570.136	288.671	813.370	M 600735.470	990241.900	0.000	5734.477
σ		57.466	47.800	10.067	75.963	M 5663.690	10805.270	0.000	228.008
%RSD		4.329	3.044	3.487	9.339	M 0.943	1.091	0.000	3.976

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	21:01:24	T 4736967.000	262026.540	2979.488	60901.312	T 13207152.000	T 7736261.800	1074954.200	1197946.200	703
2	21:02:27	T 4746741.800	266052.980	3063.516	62339.008	T 13197314.000	T 7771321.700	1082921.900	1205647.600	705
3	21:03:31	T 4778115.200	263150.310	2989.492	62026.884	T 13257831.000	T 7778106.300	1085032.700	1214292.700	708
x		T 4753941.300	263743.280	3010.832	61755.735	T 13220766.000	T 7761896.600	1080969.600	1205962.200	705
σ		T 21498.073	2077.686	45.899	756.230	T 32474.229	T 22458.061	5315.314	8177.824	2
%RSD		T 0.452	0.788	1.524	1.225	T 0.246	T 0.289	0.492	0.678	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	21:01:24	3796.793	874094.730	T 10671720.000	363554.960	338374.290	70.000	80123.539	47944.092	13
2	21:02:27	4004.882	887177.590	T 10821613.000	372215.060	342658.360	82.000	75615.169	48750.363	11
3	21:03:31	3592.710	891191.130	T 10807414.000	368625.130	346030.550	72.000	72231.823	48901.170	10
x		3798.128	884154.480	T 10766916.000	368131.720	342354.400	74.667	75990.177	48531.875	12
σ		206.089	8940.142	T 82746.896	4351.081	3837.171	6.429	3959.200	514.589	1
%RSD		5.426	1.011	T 0.769	1.182	1.121	8.610	5.210	1.060	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	21:01:24	212228.670	88056.411	T 3737064.000	129219.900	10568.139	1802.179	14289.221	15451.119	2
2	21:02:27	213051.590	88203.830	T 3847560.800	132669.050	10417.966	1716.162	14511.573	14988.346	2
3	21:03:31	212674.920	86253.247	T 3778442.700	131053.870	10750.353	1728.164	14327.281	15038.428	2
x		212651.730	87504.496	T 3787689.200	130980.940	10578.819	1748.835	14376.025	15159.298	2
σ		411.948	1086.117	T 55825.678	1725.731	166.451	46.585	118.920	253.963	
%RSD		0.194	1.241	T 1.474	1.318	1.573	2.664	0.827	1.675	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	1(
1	21:01:24	12238.232	6960.264	1959.011	625.622	356383.200	106961.560	173773.120	34535.474	
2	21:02:27	12025.949	6627.215	1936.606	643.223	361732.380	108359.980	175830.110	34806.505	
3	21:03:31	11961.865	6437.879	1977.815	629.022	356329.150	110299.090	177394.050	34774.382	
x		12075.349	6675.119	1957.811	632.622	358148.240	108540.210	175665.760	34705.454	
σ		144.655	264.467	20.631	9.337	3104.071	1676.047	1816.054	148.080	
%RSD		1.198	3.962	1.054	1.476	0.867	1.544	1.034	0.427	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	21:01:24	34451.155	9234.688	22499.809	506317.660	58411.051	43984.147	171099.110	297317.650	498
2	21:02:27	35364.653	9326.782	22405.577	502561.610	68630.484	51576.695	172880.340	298999.490	503
3	21:03:31	35382.723	9174.627	22658.202	509318.520	74091.500	55426.049	175936.130	301125.970	507
x		35066.177	9245.366	22521.196	506065.930	67044.345	50328.963	173305.190	299147.700	503
σ		532.701	76.637	127.663	3385.482	7959.648	5822.105	2446.337	1908.482	4
%RSD		1.519	0.829	0.567	0.669	11.872	11.568	1.412	0.638	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	21:01:24	50109.725	57915.898	52310.067	130272.760	93938.853	983022.160	0.000	165146.530	210
2	21:02:27	49864.381	59787.959	53197.193	130869.240	94425.860	992693.220	0.000	186250.560	214
3	21:03:31	51435.096	60599.304	52859.230	132626.430	96465.102	1002449.700	0.000	190891.350	213
x		50469.734	59434.387	52788.830	131256.150	94943.272	992721.710	0.000	180762.820	213
σ		844.980	1376.200	447.733	1223.605	1340.250	9713.828	0.000	13721.714	1
%RSD		1.674	2.315	0.848	0.932	1.412	0.979	0.000	7.591	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	21:09:00	T 4766078.100	264587.120	5.000	2728.409	1186083.300	11917.807	1688.157	1864.191	5387.596
2	21:10:04	T 4804729.100	267432.590	9.000	2660.389	1170822.000	11621.423	1700.159	1956.210	5119.441
3	21:11:07	T 4798326.400	265674.140	17.000	2436.326	1152427.000	10055.558	1284.091	1552.133	5099.430
x		T 4789711.200	265897.950	10.333	2608.375	1169777.400	11198.263	1557.469	1790.845	5202.156
σ		T 20715.769	1435.877	6.110	152.831	16852.472	1000.645	236.828	211.789	160.907
%RSD		T 0.433	0.540	59.130	5.859	1.441	8.936	15.206	11.826	3.093

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	21:09:00	3376.627	869851.210	1184685.400	4929.336	333279.160	48.000	28454.462	1106.067	8455.931
2	21:10:04	3378.628	888224.820	1167858.600	4849.293	340250.400	54.000	22351.444	1036.059	6618.408
3	21:11:07	3384.630	867802.620	1159784.400	4389.059	335872.010	36.000	18791.401	980.053	5635.746
x		3379.962	875292.880	1170776.200	4722.563	336467.190	46.000	23199.102	1040.726	6903.362
σ		4.165	11246.129	12704.310	291.582	3523.525	9.165	4886.980	63.137	1431.523
%RSD		0.123	1.285	1.085	6.174	1.047	19.924	21.065	6.067	20.737

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	21:09:00	7621.193	1298.093	123474.880	90.000	172.002	186.002	562.017	432.010	102.001
2	21:10:04	7721.278	1216.081	125082.630	78.000	170.002	186.002	522.015	422.010	102.001
3	21:11:07	7553.136	1046.060	122542.390	72.000	188.002	148.001	504.014	382.008	98.001
x		7631.869	1186.745	123699.960	80.000	176.668	173.335	529.349	412.009	100.667
σ		84.577	128.552	1284.995	9.165	9.866	21.940	29.689	26.459	2.309
%RSD		1.108	10.832	1.039	11.456	5.584	12.657	5.609	6.422	2.294

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	21:09:00	292.005	1267.288	783.234	135.401	356270.930	540.016	732.029	44.000	0.000
2	21:10:04	294.005	918.846	793.635	132.001	356715.880	382.008	622.021	40.000	0.000
3	21:11:07	308.005	746.031	808.836	133.401	358204.740	306.005	546.016	36.000	2.000
x		298.005	977.388	795.235	133.601	357063.850	409.343	633.356	40.000	0.667
σ		8.718	265.514	12.876	1.709	1012.777	119.376	93.523	4.000	1.155
%RSD		2.925	27.166	1.619	1.279	0.284	29.163	14.766	10.000	173.205

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	21:09:00	42.000	20.000	58.000	489804.840	3303.600	2482.139	170.002	314.005	499812.070
2	21:10:04	16.000	12.000	28.000	495602.750	2498.943	1885.796	176.002	280.004	495687.170
3	21:11:07	32.000	10.000	36.000	496176.830	1976.015	1494.923	116.001	228.003	492083.070
x		30.000	14.000	40.667	493861.470	2592.853	1954.286	154.001	274.004	495860.770
σ		13.115	5.292	15.535	3524.851	668.756	497.159	33.046	43.314	3867.425
%RSD		43.716	37.796	38.201	0.714	25.792	25.439	21.458	15.808	0.780

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	21:09:00	730.029	704.027	56.000	142.001	946.049	976704.550	0.000	5317.555	156.001
2	21:10:04	594.019	764.032	44.000	130.001	808.036	985417.890	0.000	4341.036	158.001
3	21:11:07	482.013	620.021	44.000	154.001	754.031	977384.100	0.000	3142.543	158.001
x		602.021	696.027	48.000	142.001	836.039	979835.510	0.000	4267.045	157.335
σ		124.202	72.338	6.928	12.000	99.024	4846.405	0.000	1089.392	1.155
%RSD		20.631	10.393	14.434	8.451	11.844	0.495	0.000	25.530	0.734

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	21:16:38	T 4714792.300	260125.090	22.000	3698.752	T 10322452.000	T 3050653.900	416277.460	454575.940	T 1679
2	21:17:41	T 4645045.300	261458.530	27.000	3706.756	T 10145447.000	T 2935543.700	401168.400	442980.020	1580
3	21:18:45	T 4581274.200	254760.330	16.000	3624.723	T 10179674.000	T 2927723.200	404432.350	438959.890	1615
x		T 4647037.300	258781.310	21.667	3676.743	T 10215858.000	T 2971306.900	407292.740	445505.290	T 1625
σ		T 66781.312	3545.527	5.508	45.229	T 93886.013	T 68827.673	7950.298	8108.513	T 49
%RSD		T 1.437	1.370	25.420	1.230	T 0.919	T 2.316	1.952	1.820	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	21:16:38	165792.130	604044.580	T 8188102.200	814197.740	281776.240	2742.414	268243.980	80434.265	85
2	21:17:41	163613.180	589688.490	T 7952606.500	776130.450	267959.780	2730.410	274805.660	79298.351	88
3	21:18:45	159368.770	560357.700	T 7864967.600	777791.840	269236.690	2652.387	278495.430	77035.015	88
x		162924.690	584696.920	T 8001892.100	789373.340	272990.900	2708.404	273848.350	78922.543	87
σ		3266.553	22267.075	T 167110.090	21514.598	7635.066	48.882	5192.339	1730.505	1
%RSD		2.005	3.808	T 2.088	2.726	2.797	1.805	1.896	2.193	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	21:16:38	362841.280	131906.060	T 6340946.200	3230.574	7727.283	1234.084	30898.420	M 284614.630	M 42
2	21:17:41	358462.610	128666.130	T 5989457.200	3102.529	7186.840	1222.082	31490.446	M 276473.090	M 41
3	21:18:45	349374.880	127282.860	T 6069984.600	3048.511	7533.120	1248.086	30633.526	M 275541.430	M 41
x		356892.930	129285.020	T 6133462.700	3127.205	7482.414	1234.751	31007.464	M 278876.380	M 41
σ		6869.055	2372.927	T 184141.910	93.506	273.766	13.015	438.744	M 4991.256	M
%RSD		1.925	1.835	T 3.002	2.990	3.659	1.054	1.415	M 1.790	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	10
1	21:16:38	M 205322.770	21328.591	629.222	145.401	630233.840	7158.818	10946.587	5787.842	1
2	21:17:41	M 197714.890	22314.553	626.822	174.602	614040.010	6934.644	10976.623	5743.814	1
3	21:18:45	M 197451.250	22489.784	635.822	175.202	606856.920	6746.502	10670.258	5823.865	1
x		M 200162.970	22044.309	630.622	165.068	617043.590	6946.655	10864.489	5785.174	1
σ		M 4470.462	625.992	4.661	17.035	11974.399	206.420	168.878	40.092	
%RSD		M 2.233	2.840	0.739	10.320	1.941	2.971	1.554	0.693	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	21:16:38	6120.059	20070.130	49031.871	382818.020	20157.122	14620.147	22543.918	36932.870	363
2	21:17:41	6086.037	19883.721	47682.723	375743.870	19230.318	14354.724	22580.007	37284.300	359
3	21:18:45	5779.837	19190.233	48040.600	366797.390	19081.405	14155.813	21902.352	36724.026	352
x		5995.311	19714.695	48251.731	375119.760	19489.615	14376.895	22342.093	36980.399	358
σ		187.380	463.662	698.915	8028.530	582.854	232.960	381.253	283.145	5
%RSD		3.125	2.352	1.448	2.140	2.991	1.620	1.706	0.766	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	21:16:38	856.040	1062.062	292.005	600.020	M 695668.610	673075.200	0.000	4551.139	1
2	21:17:41	848.040	1048.060	226.003	606.020	M 692073.130	666087.630	0.000	3570.701	1
3	21:18:45	830.038	884.043	216.003	566.018	M 699045.470	653922.290	0.000	3010.498	1
x		844.706	998.055	244.670	590.686	M 695595.740	664361.700	0.000	3710.780	1
σ		13.318	98.985	41.297	21.573	M 3486.742	9692.400	0.000	779.814	
%RSD		1.577	9.918	16.879	3.652	M 0.501	1.459	0.000	21.015	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	21:24:13	T 4851533.000	271770.430	20.000	145940.090	T 7481142.400	T 2800446.200	371715.220	417436.840	96
2	21:25:17	T 4832410.200	271733.340	25.000	145753.130	T 7420168.500	T 2834343.800	377510.860	420099.380	96
3	21:26:20	T 4826519.700	270435.490	29.000	148635.230	T 7433229.200	T 2831842.200	379590.840	423227.580	97
x		T 4836821.000	271313.090	24.667	146776.150	T 7444846.700	T 2822210.800	376272.300	420254.600	96
σ		T 13076.977	760.247	4.509	1612.724	T 32104.163	T 18890.078	4081.281	2898.487	
%RSD		T 0.270	0.280	18.281	1.099	T 0.431	T 0.669	1.085	0.690	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	21:24:13	137873.630	782007.490	T 13699770.000	TM 3422184.200	320462.460	1436.113	55056.212	12752.939	1
2	21:25:17	139709.340	798884.490	T 13752956.000	TM 3440181.300	324054.490	1468.119	43634.467	12668.821	1
3	21:26:20	139463.610	799433.770	T 13831472.000	TM 3448689.100	322057.360	1400.108	35752.164	12312.332	1
x		139015.530	793441.910	T 13761399.000	TM 3437018.200	322191.440	1434.780	44814.281	12578.031	1
σ		996.514	9906.313	T 66256.100	TM 13532.601	1799.762	34.025	9705.954	233.914	
%RSD		0.717	1.249	T 0.481	TM 0.394	0.559	2.371	21.658	1.860	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	

1	21:24:13	308976.930	M 915987.480	T 5378142.400	2578.366	4305.019	814.036	7571.151	44605.161	1
2	21:25:17	311734.730	M 937333.620	T 5493257.600	2614.376	4461.094	826.038	7535.122	45646.310	6
3	21:26:20	316590.270	M 942410.430	T 5539715.200	2648.386	4265.000	844.039	7559.141	45541.788	1
x		312433.980	M 931910.510	T 5470371.700	2613.709	4343.704	828.038	7555.138	45264.420	1
σ		3854.536	M 14021.437	T 83182.094	35.015	103.613	15.101	18.346	573.322	
%RSD		1.234	M 1.505	T 1.521	1.340	2.385	1.824	0.243	1.267	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	1
1	21:24:13	32471.890	4843.290	779.233	149.401	442274.910	1404.108	2136.251	720.029	
2	21:25:17	32889.387	3980.071	761.032	157.601	448769.880	1378.104	2346.303	722.029	
3	21:26:20	32951.611	3215.769	772.833	147.401	447039.680	1444.115	2256.280	840.039	
x		32770.963	4013.043	771.033	151.468	446028.160	1408.776	2246.278	760.699	
σ		260.867	814.261	9.233	5.405	3363.564	33.252	105.382	68.718	
%RSD		0.796	20.290	1.198	3.568	0.754	2.360	4.691	9.034	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	21:24:13	806.036	1878.194	4212.976	467356.140	1780.774	1386.706	58811.621	99643.105	486
2	21:25:17	730.029	1780.174	4269.002	480769.150	1772.373	1323.296	59852.380	101968.680	493
3	21:26:20	722.029	1816.181	4311.022	484191.820	1766.572	1334.098	59671.195	103315.760	499
x		752.698	1824.850	4264.333	477439.040	1773.240	1348.033	59445.066	101642.510	493
σ		46.365	49.581	49.189	8898.161	7.141	33.924	556.009	1857.926	6
%RSD		6.160	2.717	1.154	1.864	0.403	2.517	0.935	1.828	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	21:24:13	942.049	1036.059	166.002	432.010	279625.330	946126.280	0.000	3108.531	2
2	21:25:17	916.046	982.053	176.002	422.010	283661.530	967164.970	0.000	3080.522	2
3	21:26:20	926.047	996.055	180.002	394.009	288331.030	959709.490	0.000	3042.509	2
x		928.047	1004.722	174.002	416.010	283872.630	957666.910	0.000	3077.187	2
σ		13.116	28.027	7.211	19.699	4356.689	10667.037	0.000	33.137	
%RSD		1.413	2.790	4.144	4.735	1.535	1.114	0.000	1.077	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	21:31:49	T 4955491.900	274016.360	6.000	2986.491	1191027.400	9957.450	1440.114	1568.135	10540.107
2	21:32:53	T 4948769.000	270625.010	9.000	2726.409	1164755.800	8029.545	1108.068	1260.087	9326.782
3	21:33:56	T 4945717.000	272236.050	6.000	2588.368	1150251.600	7525.113	1108.068	1120.069	9124.577
x		T 4949992.600	272292.470	7.000	2767.089	1168678.300	8504.036	1218.750	1316.097	9663.822
σ		T 5000.973	1696.379	1.732	202.155	20668.983	1283.714	191.707	229.224	765.590
%RSD		T 0.101	0.623	24.744	7.306	1.769	15.095	15.730	17.417	7.922
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
1	21:31:49	5567.704	784464.220	954838.410	5669.767	328331.930	68.000	34553.543	2386.313	10970.616
2	21:32:53	5555.697	785043.130	943098.610	3860.820	330724.350	86.000	27946.891	2394.315	8582.049
3	21:33:56	5615.734	785593.790	933853.310	3708.756	330023.560	70.000	23422.134	2426.324	7419.026
x		5579.712	785033.710	943930.110	4413.115	329693.280	74.667	28640.856	2402.317	8990.564
σ		31.769	564.844	10517.229	1090.946	1229.931	9.866	5598.058	21.172	1810.693
%RSD		0.569	0.072	1.114	24.721	0.373	13.213	19.546	0.881	20.140
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
1	21:31:49	17605.030	6426.271	194051.200	50.000	354.007	162.001	894.044	1362.102	258.004
2	21:32:53	17332.507	6120.059	189680.400	38.000	354.007	220.003	842.039	1386.106	210.002
3	21:33:56	17426.687	5951.948	192993.030	36.000	322.006	204.002	896.044	1334.098	230.003
x		17454.741	6166.093	192241.540	41.333	343.340	195.335	877.376	1360.769	232.670
σ		138.411	240.489	2280.250	7.572	18.476	29.956	30.619	26.030	24.111
%RSD		0.793	3.900	1.186	18.319	5.381	15.336	3.490	1.913	10.363
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
1	21:31:49	930.048	1886.596	725.829	117.001	353688.990	126.001	194.002	10.000	0.000
2	21:32:53	910.046	1486.922	742.430	127.401	350796.070	126.001	170.002	14.000	4.000
3	21:33:56	906.045	1222.082	752.431	128.601	352986.460	120.001	232.003	12.000	0.000
x		915.379	1531.867	740.230	124.334	352490.510	124.001	198.669	12.000	1.333
σ		12.859	334.529	13.437	6.379	1508.879	3.464	31.263	2.000	2.309
%RSD		1.405	21.838	1.815	5.131	0.428	2.794	15.736	16.667	173.205
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
1	21:31:49	10.000	16.000	1034.059	491897.410	261.604	193.602	160.001	232.003	495032.930
2	21:32:53	6.000	12.000	992.054	491002.950	235.003	186.802	106.001	220.003	497814.840
3	21:33:56	6.000	14.000	1076.064	489690.950	208.002	147.401	104.001	196.002	504158.490
x		7.333	14.000	1034.059	490863.770	234.870	175.935	123.334	216.003	499002.080
σ		2.309	2.000	42.005	1109.798	26.801	24.944	31.770	18.331	4677.193
%RSD		31.492	14.286	4.062	0.226	11.411	14.178	25.760	8.486	0.937
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
1	21:31:49	658.024	740.030	28.000	66.000	1024.058	1001118.300	0.000	522.015	24.000
2	21:32:53	584.019	652.023	32.000	48.000	706.027	1004409.400	0.000	412.009	22.000
3	21:33:56	524.015	660.024	28.000	70.000	672.025	1012657.500	0.000	466.012	22.000
x		588.686	684.026	29.333	61.334	800.703	1006061.700	0.000	466.679	22.667
σ		67.126	48.666	2.309	11.719	194.176	5944.422	0.000	55.006	1.155
%RSD		11.403	7.115	7.873	19.107	24.251	0.591	0.000	11.787	5.094

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	21:39:25	T 4967593.000	273620.710	8047.560	157948.300	T 31761963.000	T 20174707.000	T 2801694.600	T 3133231.700
2	21:40:29	T 4944607.200	275413.650	8111.617	161385.890	T 31986712.000	T 20234025.000	T 2820700.900	T 3145416.800
3	21:41:32	T 4937265.400	276477.210	8312.799	160791.500	T 32241552.000	T 20480000.000	T 2846558.700	T 3226152.400
x		T 4949821.900	275170.520	8157.326	160041.900	T 31996742.000	T 20296244.000	T 2822984.700	T 3168266.900
σ		T 15821.965	1443.688	138.401	1837.303	T 239951.660	T 161877.570	T 22519.054	T 50499.108
%RSD		T 0.320	0.525	1.697	1.148	T 0.750	T 0.798	T 0.798	T 1.594
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**
1	21:39:25	5573.708	816105.990	T 25190974.000	955879.790	341686.800	92.000	170351.260	130504.050
2	21:40:29	6096.043	845860.020	T 25553475.000	972322.000	343767.060	94.000	165175.040	131250.680
3	21:41:32	6394.248	843722.410	T 25943669.000	981706.760	343563.580	98.001	163126.550	134895.450
x		6021.333	835229.470	T 25562706.000	969969.510	343005.810	94.667	166217.620	132216.730
σ		415.340	16595.878	T 376432.650	13073.207	1146.823	3.055	3723.483	2349.691
%RSD		6.898	1.987	T 1.473	1.348	0.334	3.227	2.240	1.777
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**

1	21:39:25	578162.340	228821.980	T 9788373.500	362443.890	27658.009	4435.082	37212.005	38842.805
2	21:40:29	583580.630	229791.990	T 9934882.400	367790.320	28185.626	4427.078	37479.099	38931.182
3	21:41:32	590995.390	229697.650	T 10011525.000	370586.510	28047.199	4487.107	38431.061	39712.551
x		584246.120	229437.210	T 9911593.700	366940.240	27963.611	4449.756	37707.388	39162.179
σ		6442.357	534.887	T 113384.040	4137.334	273.560	32.594	640.790	478.680
%RSD		1.103	0.233	T 1.144	1.128	0.978	0.732	1.699	1.222

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	21:39:25	34194.188	16566.281	3628.124	1362.702	360230.470	294533.180	477895.420	86768.112
2	21:40:29	34515.398	16355.099	3626.723	1406.309	368729.230	301421.530	490089.590	86911.472
3	21:41:32	34868.743	16380.745	3677.744	1410.709	373010.690	301690.230	495851.790	87858.510
x		34526.109	16434.041	3644.197	1393.240	367323.470	299214.980	487945.600	87179.365
σ		337.405	115.238	29.061	26.538	6505.048	4056.783	9168.172	592.509
%RSD		0.977	0.701	0.797	1.905	1.771	1.356	1.879	0.680

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	21:39:25	87585.898	24045.759	58900.192	511939.780	215711.830	162937.400	M 1001766.200	M 1797308.700
2	21:40:29	88841.999	24450.837	60673.799	521712.550	217828.000	163923.090	M 1014715.100	M 1829164.300
3	21:41:32	89472.133	24713.546	59892.644	521285.040	220448.440	165807.810	M 1023222.100	M 1841614.800
x		88633.343	24403.381	59822.212	518312.450	217996.090	164222.770	M 1013234.500	M 1822695.900
σ		960.273	336.413	888.899	5523.037	2372.776	1458.479	M 10804.299	M 22850.345
%RSD		1.083	1.379	1.486	1.066	1.088	0.888	M 1.066	M 1.254

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	21:39:25	148509.200	174288.850	143225.430	364893.000	272046.500	1053020.100	0.000	609633.790
2	21:40:29	152547.240	177498.050	144564.370	366401.910	272992.230	1064559.100	0.000	614347.800
3	21:41:32	153307.870	178118.000	146799.770	370988.410	275077.700	1061708.900	0.000	622060.710
x		151454.770	176634.970	144863.190	367427.780	273372.140	1059762.700	0.000	615347.430
σ		2579.136	2055.307	1805.809	3174.556	1550.900	6010.657	0.000	6273.478
%RSD		1.703	1.164	1.247	0.864	0.567	0.567	0.000	1.020

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	21:47:01	T 4633904.600	276258.710	1333.098	5053.404	T 1559198.700	T 6547370.900	896058.490	1006512.000
2	21:48:05	T 4665384.600	276180.390	1373.104	4739.235	T 1552175.300	T 6621824.300	913805.410	1024233.000
3	21:49:08	T 4627651.200	279161.390	1370.103	4653.191	T 1536949.900	T 6625159.700	912512.730	1028000.800
x		T 4642313.500	277200.170	1358.768	4815.277	T 1549441.300	T 6598118.300	907458.870	1019581.900
σ		T 20223.351	1698.926	22.282	210.664	T 11373.601	T 43980.143	9894.159	11474.611
%RSD		T 0.436	0.613	1.640	4.375	T 0.734	T 0.667	1.090	1.125

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	21:47:01	173893.380	818178.420	T 4079879.000	346308.850	333897.230	68162.583	132656.870	75421.570
2	21:48:05	175879.040	828647.970	T 4117562.600	350791.920	340329.270	69200.379	128546.450	77045.100
3	21:49:08	176751.720	824166.790	T 4125816.100	355975.690	336984.050	71667.383	125350.280	78055.665
x		175508.050	823664.390	T 4107752.600	351025.490	337070.180	69676.782	128851.200	76840.778
σ		1464.837	5252.823	T 24489.441	4837.652	3216.886	1800.312	3662.816	1328.881
%RSD		0.835	0.638	T 0.596	1.378	0.954	2.584	2.843	1.729

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	21:47:01	TM 8675568.400	TM 2862358.700	TM 143839820.000	278122.260	22275.257	3646.731	31378.059	M 250551.760
2	21:48:05	TM 8827390.800	TM 2878578.200	TM 146341370.000	281858.740	22728.376	3724.763	31921.947	M 252547.870
3	21:49:08	TM 8918264.500	TM 2936078.600	TM 148610240.000	281836.050	22858.703	3770.782	32536.119	M 256967.150
x		TM 8807074.600	TM 2892338.500	TM 146263810.000	280605.680	22620.779	3714.092	31945.375	M 253355.590
σ		TM 122616.920	TM 38738.460	TM 2386158.000	2150.735	306.244	62.710	579.385	M 3283.084
%RSD		TM 1.392	TM 1.339	TM 1.631	0.766	1.354	1.688	1.814	M 1.296

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	21:47:01	M 180741.020	10095.202	865.241	185.402	569589.770	1552.133	2202.267	882.043
2	21:48:05	M 183570.880	9764.441	855.840	191.802	575897.120	1340.099	2000.220	808.036
3	21:49:08	M 185503.520	9469.329	874.642	192.002	586401.770	1196.079	2028.226	892.044
x		M 183271.810	9776.324	865.241	189.735	577296.220	1362.770	2076.904	860.707
σ		M 2395.296	313.106	9.401	3.754	8492.878	179.106	109.466	45.888
%RSD		M 1.307	3.203	1.087	1.979	1.471	13.143	5.271	5.331

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	21:47:01	820.037	2632.381	6418.265	485275.360	636.022	449.411	398269.000	689401.120
2	21:48:05	826.038	2754.417	6346.214	491690.670	540.416	407.809	403293.390	702084.820
3	21:49:08	766.032	2778.425	6318.195	500023.220	522.615	362.807	405410.510	709161.720
x		804.036	2721.741	6360.891	492329.750	566.351	406.676	402324.300	700215.890
σ		33.048	78.313	51.624	7394.670	60.990	43.313	3668.056	10011.993
%RSD		4.110	2.877	0.812	1.502	10.769	10.651	0.912	1.430

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	21:47:01	2002.221	2300.291	4399.064	10812.426	452327.870	985986.910	0.000	194939.910
2	21:48:05	1828.184	2184.262	4357.044	11040.700	462686.120	1025366.700	0.000	194353.560
3	21:49:08	1798.178	2006.221	4521.124	10930.567	462686.120	1021702.600	0.000	196960.780
x		1876.194	2163.592	4425.744	10927.898	459233.370	1011018.700	0.000	195418.080
σ		110.168	148.121	85.232	114.160	5980.339	21755.480	0.000	1367.803
%RSD		5.872	6.846	1.926	1.045	1.302	2.152	0.000	0.700

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	21:54:38	T 4635355.900	260606.580	262.004	2434.326	1221774.800	1344625.300	179971.980	199239.640	TM 6741
2	21:55:41	T 4606543.600	260437.850	333.006	2432.325	1206689.100	1343910.200	175705.740	199296.870	TM 6742
3	21:56:45	T 4614098.800	259964.590	280.004	2230.274	1188979.600	1367861.200	178067.020	200343.500	TM 6776
x		T 4618666.100	260336.340	291.671	2365.642	1205814.500	1352132.200	177914.910	199626.670	TM 6753
σ		T 14939.253	332.817	36.911	117.236	16415.094	13626.361	2137.188	621.454	TM 19
%RSD		T 0.323	0.128	12.655	4.956	1.361	1.008	1.201	0.311	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	21:54:38	38085.611	826754.690	1600501.600	71826.632	322595.960	13874.580	44359.966	15921.931	8
2	21:55:41	38830.754	831333.320	1585511.800	71887.107	319870.140	13594.156	39324.871	16639.214	6
3	21:56:45	39009.517	829863.720	1625577.900	72790.251	327125.590	14054.856	37033.277	16545.042	6
x		38641.961	829317.240	1603863.800	72167.997	323197.230	13841.197	40239.371	16368.729	7
σ		490.033	2337.722	20243.549	539.736	3664.907	232.157	3747.976	389.793	1
%RSD		1.268	0.282	1.262	0.748	1.134	1.677	9.314	2.381	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	

1	21:54:38	M 1847935.700	M 569347.260	TM 30040172.000	56191.124	4967.357	874.042	7475.072	52320.125	8
2	21:55:41	M 1870427.100	M 565234.130	TM 29962076.000	55909.395	4827.281	936.048	7288.921	52169.261	8
3	21:56:45	M 1872086.300	M 576310.100	TM 30418480.000	56965.924	4725.228	822.037	7348.969	53346.061	7
x		M 1863483.000	M 570297.160	TM 30140243.000	56355.481	4839.955	877.376	7370.987	52611.816	8
σ		M 13489.948	M 5598.754	TM 244103.690	547.104	121.561	57.079	95.009	640.334	
%RSD		M 0.724	M 0.982	TM 0.810	0.971	2.512	6.506	1.289	1.217	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	10
1	21:54:38	37537.338	3188.559	761.632	150.001	389113.010	418.010	626.022	156.001	
2	21:55:41	38352.731	2918.468	774.233	147.201	396569.050	368.007	592.019	206.002	
3	21:56:45	38505.374	2735.612	765.632	135.001	393236.890	320.006	522.015	200.002	
x		38131.814	2947.546	767.166	144.068	392972.980	368.674	580.019	187.335	
σ		520.458	227.870	6.439	7.976	3735.022	49.005	53.032	27.301	
%RSD		1.365	7.731	0.839	5.536	0.950	13.292	9.143	14.574	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	21:54:38	218.003	496.014	1268.088	481810.150	246.403	170.202	77154.017	133109.410	496
2	21:55:41	168.002	556.017	1368.103	488336.950	220.203	173.802	78126.268	133123.620	495
3	21:56:45	206.002	522.015	1328.097	488606.890	194.602	154.201	79179.320	133306.270	493
x		197.336	524.682	1321.430	486251.330	220.403	166.068	78153.202	133179.770	494
σ		26.103	30.091	50.340	3848.542	25.901	10.433	1012.920	109.782	1
%RSD		13.228	5.735	3.809	0.791	11.752	6.283	1.296	0.082	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	21:54:38	552.017	726.029	910.046	2358.306	90003.338	976615.730	0.000	36583.461	9
2	21:55:41	532.016	588.019	934.048	2372.310	89223.710	987396.270	0.000	38264.360	8
3	21:56:45	450.011	586.019	978.053	2392.315	88989.430	990206.710	0.000	38495.332	8
x		511.348	633.356	940.715	2374.310	89405.493	984739.570	0.000	37781.051	8
σ		54.052	80.264	34.490	17.092	530.835	7174.415	0.000	1043.553	
%RSD		10.571	12.673	3.666	0.720	0.594	0.729	0.000	2.762	

CCV 11/03/2010 10:01:10 PM QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	22:02:13	T 4554382.800	255731.020	2787.427	55899.334	T 12071379.000	T 7038133.800	977530.670	1090320.900	64918
2	22:03:17	T 4602851.400	253012.520	2876.455	56217.285	T 12117031.000	T 7165309.700	982160.020	1108732.900	65100
3	22:04:20	T 4612861.000	252046.230	2779.425	57112.841	T 12325881.000	T 7319649.000	997174.110	1121907.800	66384
x		T 4590031.700	253596.590	2814.436	56409.820	T 12171430.000	T 7174364.200	985621.600	1106987.200	65468
σ		T 31275.904	1910.569	53.859	629.248	T 135692.210	T 140975.870	10269.038	15865.677	799
%RSD		T 0.681	0.753	1.914	1.115	T 1.115	T 1.965	1.042	1.433	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53
1	22:02:13	3280.592	825261.750	T 9535862.600	329546.720	310009.200	76.000	63577.541	44695.604	923
2	22:03:17	3228.573	857607.910	T 9632542.300	329314.530	313977.980	58.000	59516.184	45577.969	814
3	22:04:20	3242.578	864514.370	T 9758652.200	340794.210	319588.490	64.000	58425.141	46649.383	767
x		3250.581	849128.010	T 9642352.400	333218.490	314525.220	66.000	60506.289	45640.985	835
σ		26.917	20955.274	T 111718.310	6561.796	4813.035	9.165	2715.150	978.413	79
%RSD		0.828	2.468	T 1.159	1.969	1.530	13.887	4.487	2.144	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	22:02:13	199570.780	80246.617	T 3515538.100	120702.010	9869.354	1640.148	13191.564	14108.940	242
2	22:03:17	201204.200	81850.824	T 3566312.000	123568.130	9673.144	1686.156	13598.162	14068.878	247
3	22:04:20	203880.860	81352.380	T 3590742.100	125816.660	10093.600	1620.144	13421.901	14397.392	250
x		201551.950	81149.941	T 3557530.700	123362.270	9878.699	1648.816	13403.876	14191.736	246
σ		2175.977	821.040	T 38363.295	2563.531	210.384	33.849	203.898	179.225	4
%RSD		1.080	1.012	T 1.078	2.078	2.130	2.053	1.521	1.263	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108
1	22:02:13	11287.002	6583.583	1753.769	580.819	332914.140	100110.190	162371.210	32263.149	53
2	22:03:17	11194.889	6374.634	1778.574	582.219	340902.150	102565.340	166484.610	32606.370	62
3	22:04:20	10964.608	6333.405	1801.779	580.019	342633.440	103793.150	166539.600	33310.917	57
x		11148.833	6430.541	1778.041	581.019	338816.580	102156.230	165131.810	32726.812	57
σ		166.058	134.132	24.009	1.114	5184.439	1875.253	2390.907	534.167	4
%RSD		1.489	2.086	1.350	0.192	1.530	1.836	1.448	1.632	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	1
1	22:02:13	33405.263	8764.223	21154.585	468976.470	55783.224	41932.888	162464.860	280633.700	48491
2	22:03:17	33212.558	8766.225	21363.071	470921.240	65229.784	49203.394	165030.450	283053.000	48395
3	22:04:20	34071.729	8966.420	21144.562	482577.280	70427.348	52974.699	166987.710	286149.710	48199
x		33563.183	8832.289	21220.739	474158.330	63813.452	48036.994	164827.670	283278.800	48362
σ		450.830	116.165	123.365	7355.580	7424.089	5612.555	2268.235	2764.930	148
%RSD		1.343	1.315	0.581	1.551	11.634	11.684	1.376	0.976	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	22:02:13	48205.469	56734.483	50264.576	127015.150	93819.632	965190.760	0.000	169155.240	21000
2	22:03:17	49287.247	57962.192	51990.240	129897.450	92869.955	982942.160	0.000	191467.270	21541
3	22:04:20	49747.745	58781.427	52183.342	131786.350	94056.056	976140.530	0.000	198471.100	21900
x		49080.154	57826.034	51479.386	129566.320	93581.881	974757.820	0.000	186364.540	21480
σ		791.719	1030.242	1056.478	2402.772	627.776	8956.111	0.000	15309.585	453
%RSD		1.613	1.782	2.052	1.854	0.671	0.919	0.000	8.215	

CCB 11/03/2010 10:08:46 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	22:09:49	T 4649335.100	255134.610	9.000	2040.229	1071647.900	7218.865	1036.059	1128.070	6484.312
2	22:10:53	T 4665747.400	256640.110	11.000	2064.234	1056266.300	8377.859	1200.079	1376.104	7022.712
3	22:11:56	T 4681049.900	257639.790	9.000	1912.201	1043185.200	7449.051	968.052	1128.070	6458.293
x		T 4665377.500	256471.500	9.667	2005.555	1057033.100	7681.925	1068.063	1210.748	6655.106
σ		T 15860.639	1261.075	1.155	81.733	14246.844	613.587	119.279	143.203	318.622
%RSD		T 0.340	0.492	11.945	4.075	1.348	7.987	11.168	11.828	4.788

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	22:09:49	2882.457	831517.030	899582.320	2196.265	304259.770	58.000	12037.965	1008.056	3704.755
2	22:10:53	3082.523	850976.020	877874.180	2072.236	308490.840	42.000	9697.169	842.039	2978.488
3	22:11:56	3198.563	860270.730	882899.670	2060.233	317169.960	52.000	7853.391	904.045	2398.316
x		3054.514	847587.930	886785.390	2109.578	309973.520	50.667	9862.842	918.047	3027.186
σ		159.903	14673.214	11363.757	75.313	6581.568	8.083	2097.201	83.889	654.579
%RSD		5.235	1.731	1.281	3.570	2.123	15.953	21.264	9.138	21.623

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	22:09:49	6918.632	726.029	102452.070	74.000	168.002	194.002	608.020	296.005	42.000
2	22:10:53	7060.741	808.036	106664.100	118.001	152.001	166.002	622.021	226.003	62.000
3	22:11:56	7000.695	644.023	103536.250	76.000	226.003	208.002	580.019	260.004	36.000
x		6993.356	726.029	104217.470	89.334	182.002	189.335	603.353	260.670	46.667
σ		71.338	82.007	2187.086	24.846	38.937	21.386	21.387	35.006	13.614
%RSD		1.020	11.295	2.099	27.813	21.394	11.295	3.545	13.429	29.172
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
1	22:09:49	204.002	1367.703	693.226	106.801	332632.090	458.012	766.032	18.000	2.000
2	22:10:53	172.002	1074.864	714.828	119.001	333611.000	444.011	632.022	18.000	2.000
3	22:11:56	230.003	904.045	686.226	126.801	332126.090	336.006	582.019	22.000	4.000
x		202.002	1115.537	698.093	117.534	332789.730	412.676	660.024	19.333	2.667
σ		29.052	234.490	14.909	10.080	754.903	66.766	95.149	2.309	1.155
%RSD		14.382	21.020	2.136	8.577	0.227	16.179	14.416	11.945	43.301
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
1	22:09:49	16.000	6.000	22.000	470980.170	3058.514	2227.273	132.001	272.004	478906.600
2	22:10:53	24.000	8.000	20.000	469544.700	2264.482	1721.763	130.001	260.004	475852.320
3	22:11:56	18.000	2.000	28.000	475650.140	1827.984	1369.503	124.001	250.003	478497.900
x		19.333	5.333	23.333	472058.340	2383.660	1772.846	128.668	260.670	477752.270
σ		4.163	3.055	4.163	3192.321	623.862	431.160	4.163	11.015	1658.051
%RSD		21.534	57.282	17.843	0.676	26.172	24.320	3.236	4.226	0.347
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
1	22:09:49	674.025	892.044	72.000	128.001	644.023	964055.230	0.000	4078.915	148.001
2	22:10:53	668.025	756.031	56.000	144.001	632.022	965323.840	0.000	3018.501	162.001
3	22:11:56	594.019	732.029	60.000	134.001	556.017	958016.080	0.000	2502.344	134.001
x		645.356	793.368	62.667	135.334	610.687	962465.050	0.000	3199.920	148.001
σ		44.560	86.294	8.327	8.083	47.725	3904.787	0.000	803.790	14.000
%RSD		6.905	10.877	13.287	5.973	7.815	0.406	0.000	25.119	9.460

Analyte ICPS

STD0 11/03/2010 03:26:18 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	15:27:22	T 99.116%	302196.640	-48.542	-137.871	-279843.290	-145006.180	-34109.726	-43293.612	-17031.513
2	15:28:25	T 100.232%	304656.740	-51.636	-177.509	-285232.800	-145067.600	-34116.639	-43296.804	-17004.739
3	15:29:28	T 100.652%	303767.720	-47.687	-194.139	-296565.670	-144925.080	-34093.858	-43230.422	-17133.346
x		T 100.000%	303540.360	-49.288	-169.840	-287213.920	-144999.620	-34106.741	-43273.613	-17056.533
σ		T 0.794%	1245.709	2.078	28.907	8535.403	71.486	11.680	37.438	67.856
%RSD		T 0.794	0.410	4.215	17.020	2.972	0.049	0.034	0.087	0.398

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	15:27:22	4031.090	1100469.000	-206795.030	-6889.318	98.804%	32.387	159.215	-134.641	1183.441
2	15:28:25	3928.856	1082619.100	-205166.770	-6990.370	100.611%	27.830	75.973	-196.219	828.740
3	15:29:28	3997.496	1095777.900	-206606.560	-7069.469	100.585%	45.732	-94.074	-146.208	701.982
x		3985.814	1092955.400	-206189.460	-6983.052	100.000%	35.317	47.038	-159.023	904.721
σ		52.109	9253.628	890.670	90.298	1.036%	9.304	129.100	32.728	249.560
%RSD		1.307	0.847	0.432	1.293	1.036	26.344	274.460	20.581	27.584

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
1	15:27:22	4909.122	306.528	-89881.411	1708.402	-160.261	-6.953	-408.035	-50.603	-32.724
2	15:28:25	4898.565	327.537	-87027.732	1714.039	-173.833	12.659	-411.282	-84.591	-30.021
3	15:29:28	5040.043	222.306	-84731.005	1716.033	-122.155	18.662	-371.353	-162.039	-67.781
x		4949.243	285.457	-87213.382	1712.825	-152.083	8.122	-396.890	-99.078	-43.509
σ		78.812	55.690	2580.217	3.958	26.792	13.397	22.175	57.113	21.064
%RSD		1.592	19.509	2.959	0.231	17.617	164.933	5.587	57.645	48.413

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	15:27:22	-12.634	-85.404	-26.070	-2.749	98.788%	1086.041	3804.987	-400.780	-135.587
2	15:28:25	-107.193	-96.959	21.557	-5.331	99.387%	1083.723	3792.486	-409.086	-146.397
3	15:29:28	-136.942	-94.854	8.332	-9.390	101.825%	1092.388	3775.375	-403.420	-137.409
x		-85.590	-92.406	1.273	-5.823	100.000%	1087.384	3790.950	-404.429	-139.797
σ		64.909	6.154	24.586	3.348	1.609%	4.486	14.866	4.244	5.787
%RSD		75.837	6.660	1931.440	57.496	1.609	0.413	0.392	1.049	4.140

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	15:27:22	-359.713	-98.676	-238.606	97.990%	3566.214	2651.585	4937.887	15019.904	99.190%
2	15:28:25	-372.066	-88.167	-217.874	99.730%	3555.303	2629.217	4939.750	15019.406	99.562%
3	15:29:28	-354.618	-101.054	-218.733	102.280%	3549.933	2627.902	4943.411	15014.795	101.248%
x		-362.133	-95.965	-225.071	100.000%	3557.150	2636.235	4940.350	15018.035	100.000%
σ		8.972	6.858	11.729	2.158%	8.296	13.310	2.810	2.817	1.096%
%RSD		2.478	7.146	5.211	2.158	0.233	0.505	0.057	0.019	1.096

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	15:27:22	364.454	387.160	20.670	1943.795	234.297	99.905%	0.000	14589.908	6564.103
2	15:28:25	359.463	345.859	26.358	1932.800	110.924	100.436%	0.000	14561.965	6564.093
3	15:29:28	329.536	345.497	40.871	1890.092	74.474	99.659%	0.000	14500.554	6566.115
x		351.151	359.505	29.300	1922.229	139.898	100.000%	0.000	14550.809	6564.770
σ		18.885	23.951	10.417	28.369	83.759	0.397%	0.000	45.710	1.165
%RSD		5.378	6.662	35.554	1.476	59.871	0.397	0.000	0.314	0.018

STD1 11/03/2010 03:33:53 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	15:34:57	T 99.778%	304805.600	630.931	13412.683	T 2569101.900	T 1655729.700	212883.260	238338.980	149753.340
2	15:36:00	T 99.746%	306253.050	655.219	13232.577	T 2582914.200	T 1687553.800	217336.100	240304.490	146055.550
3	15:37:03	T 100.754%	308685.270	665.952	13316.507	T 2554196.300	T 1674987.000	216041.400	240899.660	148873.340
x		T 100.093%	306581.310	650.701	13320.589	T 2568737.500	T 1672756.800	215420.250	239847.710	148227.410
σ		T 0.573%	1960.554	17.942	90.122	T 14362.423	T 16028.840	2290.488	1340.060	1931.664
%RSD		T 0.572	0.639	2.757	0.677	T 0.559	T 0.958	1.063	0.559	1.303

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	15:34:57	3757.438	1088636.400	T 2060322.200	77807.954	98.491%	38.582	14205.799	12390.088	2802.644
2	15:36:00	3624.291	1000893.700	T 2120805.800	79178.200	102.220%	41.088	13944.803	12124.050	1939.576
3	15:37:03	3639.956	1090539.400	T 2080609.000	79407.512	102.055%	41.154	14199.882	12098.739	1587.360
x		3673.895	1060023.200	T 2087245.700	78797.889	100.922%	40.275	14116.828	12204.293	2109.860
σ		72.773	51216.421	T 30783.132	864.942	2.107%	1.466	149.007	161.401	625.281

%RSD		1.981	4.832	T 1.475	1.098	2.088	3.641	1.056	1.322	29.636
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
1	15:34:57	56225.853	21737.565	853472.550	36236.916	2656.911	430.047	3806.725	3592.570	639.670
2	15:36:00	54973.163	20729.915	839127.760	35493.252	2694.118	411.485	3463.844	3554.529	622.342
3	15:37:03	55054.007	20858.213	843277.110	35951.211	2559.544	428.044	3282.889	3421.551	688.193
x		55417.674	21108.565	845292.470	35893.793	2636.857	423.192	3517.819	3522.883	650.069
σ		701.069	548.495	7381.702	375.142	69.492	10.188	266.057	89.794	34.135
%RSD		1.265	2.598	0.873	1.045	2.635	2.407	7.563	2.549	5.251
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
1	15:34:57	2846.286	1383.604	264.729	123.152	99.587%	26628.716	45327.918	7971.669	-123.083
2	15:36:00	2829.378	1413.796	256.897	94.973	100.078%	26701.622	45503.398	8053.729	-160.813
3	15:37:03	2832.653	1409.845	281.234	114.487	102.474%	27371.844	45301.282	7946.109	-104.832
x		2836.106	1402.415	267.620	110.871	100.713%	26900.727	45377.533	7990.503	-129.576
σ		8.967	16.410	12.423	14.433	1.545%	409.624	109.813	56.228	28.549
%RSD		0.316	1.170	4.642	13.018	1.534	1.523	0.242	0.704	22.033
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
1	15:34:57	7968.581	1928.792	4755.837	99.822%	14131.260	10524.072	44000.707	80966.376	98.823%
2	15:36:00	8022.266	2049.023	5020.060	99.399%	16830.053	12613.101	44575.360	81748.060	100.605%
3	15:37:03	8141.623	2056.030	4845.798	101.061%	18304.006	13728.564	44229.433	82956.913	102.534%
x		8044.157	2011.281	4873.898	100.094%	16421.773	12288.579	44268.500	81890.450	100.654%
σ		88.574	71.524	134.334	0.864%	2116.122	1626.708	289.312	1002.879	1.856%
%RSD		1.101	3.556	2.756	0.863	12.886	13.238	0.654	1.225	1.844
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
1	15:34:57	10774.009	12572.009	11296.298	30195.962	37947.622	99.500%	0.000	45059.708	51054.270
2	15:36:00	11112.481	13099.409	11353.428	29362.876	36855.625	102.131%	0.000	49331.657	49961.168
3	15:37:03	10792.139	12684.687	11027.935	29086.956	37046.529	101.606%	0.000	50596.150	50037.026
x		10892.876	12785.369	11225.887	29548.598	37283.259	101.079%	0.000	48329.172	50350.821
σ		190.399	277.741	173.795	577.359	583.220	1.393%	0.000	2901.169	610.384
%RSD		1.748	2.172	1.548	1.954	1.564	1.378	0.000	6.003	1.212

STD2 11/03/2010 03:41:28 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	15:42:32	T 99.389%	304359.010	3577.300	67719.073	T 13759102.000	T 9037732.700	1288109.500	1468189.400	87631
2	15:43:35	T 100.157%	303015.220	3557.440	68831.653	T 13688022.000	T 9029761.500	1284508.600	1459293.500	86658
3	15:44:38	T 99.730%	304172.930	3592.966	70198.723	T 13907212.000	T 9089881.400	1296313.000	1467683.300	86975
x		T 99.759%	303849.050	3575.902	68916.483	T 13784779.000	T 9052458.500	1289643.700	1465055.400	87088
σ		T 0.384%	728.091	17.804	1241.999	T 111828.290	T 32653.316	6049.874	4996.386	496
%RSD		T 0.385	0.240	0.498	1.802	T 0.811	T 0.361	0.469	0.341	
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**5**
1	15:42:32	3699.012	1069738.400	T 11302644.000	450830.210	97.234%	51.422	72329.631	64761.595	363
2	15:43:35	3685.446	1061948.600	T 11350489.000	445620.200	98.624%	48.670	70929.779	64020.157	276
3	15:44:38	3579.907	993543.440	T 11454313.000	446761.520	98.681%	34.455	71306.927	64500.756	212
x		3654.788	1041743.500	T 11369149.000	447737.310	98.180%	44.849	71522.112	64427.503	283
σ		65.203	41923.774	T 77537.183	2738.643	0.819%	9.106	724.310	376.108	75
%RSD		1.784	4.024	T 0.682	0.612	0.834	20.305	1.013	0.584	2
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	
1	15:42:32	273259.620	109193.050	T 4507788.400	181057.890	14496.525	2167.425	19259.030	18883.766	348
2	15:43:35	268100.780	107478.240	T 4439767.700	180604.380	14041.899	2055.917	18570.787	18890.799	337
3	15:44:38	272335.310	109240.940	T 4440694.500	180752.840	14328.998	2243.182	18768.633	18454.890	345
x		271231.900	108637.410	T 4462750.200	180805.040	14289.141	2155.508	18866.150	18743.152	343
σ		2750.731	1004.156	T 39006.995	231.215	229.919	94.200	354.333	249.667	5
%RSD		1.014	0.924	T 0.874	0.128	1.609	4.370	1.878	1.332	
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108**
1	15:42:32	15382.270	7721.552	1393.792	599.146	97.880%	137714.710	222365.300	43094.013	-6
2	15:43:35	15017.633	7575.271	1344.846	601.453	100.130%	136315.390	221863.360	42116.201	-13
3	15:44:38	15047.271	7723.490	1410.821	599.014	99.003%	138042.380	224992.700	43409.763	-14
x		15149.058	7673.438	1383.153	599.871	99.004%	137357.490	223073.780	42873.326	-11
σ		202.511	85.020	34.250	1.372	1.125%	917.238	1680.670	674.428	4
%RSD		1.337	1.108	2.476	0.229	1.136	0.668	0.753	1.573	3
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**1**
1	15:42:32	43250.382	10809.087	27093.317	97.605%	74939.979	56329.083	210499.480	371017.660	100.
2	15:43:35	42723.468	10843.986	26457.843	100.075%	84139.589	63627.608	208468.780	366843.440	101.
3	15:44:38	43381.475	10780.026	27036.669	98.516%	90851.416	68642.131	214012.810	372222.820	101.
x		43118.442	10811.033	26862.610	98.732%	83310.328	62866.274	210993.690	370027.980	101.
σ		348.281	32.024	351.680	1.249%	7988.067	6191.729	2804.860	2822.949	0.
%RSD		0.808	0.296	1.309	1.265	9.588	9.849	1.329	0.763	
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	
1	15:42:32	54828.213	64371.089	59557.324	150111.920	195866.790	99.821%	4.007	207254.360	24553
2	15:43:35	56069.455	65940.549	58656.550	147885.630	193932.240	101.219%	0.000	226161.450	24485
3	15:44:38	57169.928	66468.069	59673.737	149414.280	195070.440	100.594%	0.000	233271.350	24404
x		56022.532	65593.236	59295.870	149137.280	194956.490	100.545%	1.336	222229.050	24481
σ		1171.562	1090.780	556.719	1138.698	972.294	0.700%	2.314	13446.884	74
%RSD		2.091	1.663	0.939	0.764	0.499	0.697	173.205	6.051	

STD3 11/03/2010 03:49:03 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	
1	15:50:07	T 98.806%	303052.430	M 17383.880	337174.250	T 65693909.000	T 43262901.000	T 5995538.500	T 67684
2	15:51:10	T 97.877%	298881.710	M 17350.898	M 341949.630	T 66552907.000	TM 43869162.000	TM 6071534.500	T 68425
3	15:52:14	T 97.454%	296856.960	17160.265	M 345007.770	TM 67177973.000	TM 44305048.000	TM 6102773.900	TM 68857
x		T 98.046%	299597.030	M 17298.348	M 341377.220	TM 66474930.000	TM 43812370.000	TM 6056615.600	TM 68322
σ		T 0.692%	3159.071	M 120.714	M 3948.007	TM 745098.890	TM 523389.480	TM 55152.371	TM 593
%RSD		T 0.706	1.054	M 0.698	M 1.156	TM 1.121	TM 1.195	TM 0.911	T
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	
1	15:50:07	3800.141	1144162.400	T 53912040.000	T 2145382.200	94.331%	82.688	356755.360	3177
2	15:51:10	3642.678	1155763.000	T 54752332.000	T 2141706.700	95.003%	50.525	355548.510	M 3185
3	15:52:14	3838.081	1111653.700	TM 55826614.000	TM 2157744.000	95.796%	85.599	M 358454.750	3173
x		3760.300	1137193.100	TM 54830329.000	TM 2148277.700	95.043%	72.937	M 356919.540	M 3178
σ		103.615	22865.616	TM 959667.300	TM 8401.537	0.734%	19.464	M 1460.060	M 6
%RSD		2.755	2.011	TM 1.750	TM 0.391	0.772	26.686	M 0.409	
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	

1	15:50:07	M 1388070.200	M 544191.420	TM 21673236.000	910478.320	M 69864.522	M 10782.131	M 91413.550	M 927
2	15:51:10	M 1387884.100	M 541858.980	T 21623974.000	910730.450	69240.626	M 10879.830	89985.780	917
3	15:52:14	M 1388044.200	538722.930	T 21561568.000	M 913835.560	69522.092	10679.951	M 91510.741	917
x		M 1387999.500	M 541591.110	TM 21619593.000	M 911681.440	M 69542.413	M 10780.637	M 90970.024	M 920
σ		M 100.772	M 2744.070	TM 55962.890	M 1869.776	M 312.444	M 99.948	M 853.764	M 6
%RSD		M 0.007	M 0.507	TM 0.259	M 0.205	M 0.449	M 0.927	M 0.939	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	
1	15:50:07	M 74494.404	37129.440	M 6978.706	M 2935.719	95.245%	685480.300	1132138.500	M 2118
2	15:51:10	73281.273	37186.845	6787.563	2894.707	97.028%	686483.340	1134108.100	2073
3	15:52:14	M 75206.569	M 37345.798	6865.918	M 2939.375	96.716%	M 696963.470	M 1151009.300	2087
x		M 74327.415	M 37220.694	M 6877.396	M 2923.267	96.330%	M 689642.370	M 1139085.300	M 2093
σ		M 973.450	M 112.081	M 96.087	M 24.802	0.953%	M 6360.064	M 10373.356	M 23
%RSD		M 1.310	M 0.301	M 1.397	M 0.848	0.989	M 0.922	M 0.911	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	
1	15:50:07	M 211797.050	M 53148.148	M 131527.140	96.923%	405132.370	305298.430	M 1104458.200	M 19776
2	15:51:10	210806.410	52569.495	129951.840	98.512%	M 442186.950	M 333112.520	M 1095772.900	M 19741
3	15:52:14	209776.610	52672.520	130435.940	99.744%	M 454756.320	M 341833.720	1073531.100	19534
x		M 210793.350	M 52796.721	M 130638.310	98.393%	M 434025.210	M 326748.220	M 1091254.100	M 19684
σ		M 1010.286	M 308.673	M 806.911	1.414%	M 25799.122	M 19081.014	M 15951.058	M 130
%RSD		M 0.479	M 0.585	M 0.618	1.438	M 5.944	M 5.840	M 1.462	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	
1	15:50:07	275627.110	326398.920	M 294824.820	M 764823.480	M 969853.660	103.598%	0.000	11793
2	15:51:10	280015.150	323199.030	292292.820	752562.320	M 971186.530	104.524%	0.000	M 12105
3	15:52:14	M 285551.900	M 334963.620	293282.570	745765.600	959889.980	105.345%	0.000	M 12310
x		M 280398.050	M 328187.190	M 293466.740	M 754383.800	M 966976.720	104.489%	0.000	M 12069
σ		M 4973.464	M 6082.747	M 1276.004	M 9658.625	M 6173.374	0.874%	0.000	M 260
%RSD		M 1.774	M 1.853	M 0.435	M 1.280	M 0.638	0.836	0.000	

ICV 11/03/2010 03:56:39 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	15:57:43	T 97.702%	299005.680	9021.352	176285.810	T 33522143.000	T 22270032.000	T 3084196.500	T 3498900.200
2	15:58:46	T 97.141%	296043.050	9224.233	176903.790	T 34041913.000	T 22688433.000	T 3139040.600	T 3574997.700
3	15:59:49	T 97.648%	295613.410	9050.975	177419.150	T 33670113.000	T 22646534.000	T 3123212.400	T 3564070.100
x		T 97.497%	296887.380	105.073%	103.588%	T 101.388%	T 22534999.000	T 102.641%	T 103.534%
σ		T 0.310%	1847.040	n/a	n/a	T n/a	T 230422.800	T n/a	T n/a
%RSD		T 0.317	0.622	1.204	0.321	T 0.794	T 1.023	T 0.906	T 1.160

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	15:57:43	3750.109	1120697.500	T 27867292.000	1161970.300	92.495%	62.706	187714.260	165655.860
2	15:58:46	3763.125	1153964.100	T 28223552.000	1164842.500	92.547%	23.772	186894.590	166900.220
3	15:59:49	3534.789	1250243.500	T 28198199.000	1177822.700	92.979%	60.229	189032.390	166723.690
x		3682.674	1174968.400	T 102.348%	108.596%	92.674%	48.902	105.273%	104.658%
σ		128.237	67278.727	T n/a	n/a	0.265%	21.799	n/a	n/a
%RSD		3.482	5.726	T 0.707	0.723	0.286	44.577	0.574	0.405

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	15:57:43	707065.430	278723.700	T 11474084.000	473571.020	35844.138	5601.421	46597.549	47470.077
2	15:58:46	710801.920	280024.490	T 11496831.000	480558.640	36197.354	5511.691	47237.349	48056.110
3	15:59:49	709644.090	278458.660	T 11494011.000	476576.920	36203.198	5491.967	48520.212	48305.633
x		709170.480	103.048%	T 106.150%	104.657%	103.668%	102.689%	104.181%	104.086%
σ		1912.740	n/a	T n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.270	0.300	T 0.108	0.735	0.570	1.054	2.063	0.895

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	15:57:43	42631.704	19781.047	3565.140	1546.571	93.465%	354461.450	582094.280	102695.680
2	15:58:46	43152.227	19534.690	3594.664	1514.883	94.118%	355758.200	582101.500	102470.580
3	15:59:49	43174.874	19784.640	3639.921	1562.032	94.497%	356155.480	584483.200	102068.740
x		115.591%	105.740%	104.670%	105.344%	94.027%	103.105%	582892.990	97.767%
σ		n/a	n/a	n/a	n/a	0.522%	n/a	1377.162	n/a
%RSD		0.715	0.727	1.046	1.560	0.555	0.249	0.236	0.310

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	15:57:43	103158.660	28225.167	67390.806	95.374%	216378.310	163064.440	M 1111137.000	M 2011498.700
2	15:58:46	102133.180	27679.144	66929.644	95.599%	234156.550	176676.370	M 1126960.200	M 2028440.200
3	15:59:49	103279.280	27301.684	67052.481	95.607%	241400.080	182766.150	M 1121747.100	M 2040601.200
x		97.512%	104.976%	102.663%	95.526%	106.455%	106.773%	M 102.758%	M 103.201%
σ		n/a	n/a	n/a	0.132%	n/a	n/a	M n/a	M n/a
%RSD		0.612	1.674	0.356	0.138	5.582	5.792	M 0.720	M 0.721

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	15:57:43	140173.060	164070.680	145181.820	366059.510	499910.420	101.055%	0.000	578744.930
2	15:58:46	141941.280	167177.730	143700.710	368145.430	505207.210	101.970%	0.000	599397.790
3	15:59:49	143599.150	170301.090	145875.430	371683.230	507587.070	100.375%	0.000	609761.970
x		101.225%	101.890%	98.731%	97.776%	104.264%	101.133%	0.000	595968.230
σ		n/a	n/a	n/a	n/a	n/a	0.800%	0.000	15790.360
%RSD		1.207	1.863	0.767	0.771	0.779	0.791	0.000	2.650

ICB 11/03/2010 04:04:16 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	16:05:19	T 97.241%	292127.390	-49.395	4130.129	-67028.383	-143490.370	-33903.097	-43016.583	-17137.231
2	16:06:23	T 98.302%	293684.370	-47.450	3783.459	-95864.463	-143822.580	-33891.882	-43014.527	-17094.460
3	16:07:26	T 99.292%	298712.270	-42.515	3318.296	-124001.000	-144054.890	-33965.158	-43040.311	-17204.737
x		T 98.278%	294841.350	-46.453	3743.961	-95631.283	-143789.280	-33920.046	-43023.807	-17145.476
σ		T 1.026%	3441.526	3.547	407.356	28487.026	283.730	39.469	14.330	55.599
%RSD		T 1.044	1.167	7.635	10.880	29.788	0.197	0.116	0.033	0.324

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	16:05:19	3889.851	1194006.800	-166255.470	-6598.339	90.098%	28.858	901.656	58.207	4149.115
2	16:06:23	3877.808	1115559.800	-174813.390	-6731.821	91.100%	28.540	874.454	-1.189	3306.852
3	16:07:26	3973.219	1152893.000	-195859.580	-6752.125	90.625%	41.931	757.760	-9.566	2937.422
x		3913.626	1154153.200	-178976.140	-6694.095	90.608%	33.110	844.623	15.817	3464.463
σ		51.959	39238.685	15234.738	83.546	0.501%	7.641	76.446	36.949	621.032
%RSD		1.328	3.400	8.512	1.248	0.553	23.079	9.051	233.601	17.926

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	16:05:19	5499.282	200.346	-86809.473	1727.921	-122.867	71.769	85.111	-171.094	-30.318
2	16:06:23	5351.461	254.179	-88592.594	1734.092	-136.443	71.718	-111.604	-130.848	-57.468
3	16:07:26	5526.250	281.336	-89393.586	1734.322	-117.538	24.236	-44.978	-173.027	-35.157
x		5458.997	245.287	-88265.218	1732.112	-125.616	55.908	-23.824	-158.323	-40.981
σ		94.101	41.221	1322.797	3.631	9.748	27.428	100.049	23.814	14.482
%RSD		1.724	16.805	1.499	0.210	7.760	49.060	419.955	15.041	35.338
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
1	16:05:19	-158.742	-100.641	-66.581	2.597	90.745%	3120.614	6921.598	-386.556	-163.500
2	16:06:23	-159.282	5.643	-60.326	-5.683	93.971%	2627.531	6188.377	-393.354	-182.283
3	16:07:26	-175.636	-100.607	-57.716	-8.290	92.933%	2335.377	5813.270	-399.892	-154.361
x		-164.553	-65.202	-61.541	-3.792	92.550%	2694.507	6307.748	-393.267	-166.715
σ		9.602	61.354	4.556	5.685	1.647%	396.880	563.724	6.669	14.236
%RSD		5.835	94.098	7.402	149.914	1.780	14.729	8.937	1.696	8.539
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
1	16:05:19	-349.713	-62.111	-185.596	91.646%	11868.857	8887.316	4988.646	15117.905	94.438%
2	16:06:23	-369.445	-58.943	-158.079	92.615%	10032.095	7543.864	5018.262	15142.494	96.845%
3	16:07:26	-365.171	-82.058	-194.899	92.939%	8752.218	6611.783	4996.434	15070.953	96.316%
x		-361.443	-67.704	-179.525	92.400%	10217.723	7680.988	5001.114	15110.450	95.866%
σ		10.381	12.532	19.146	0.673%	1566.590	1143.947	15.353	36.349	1.265%
%RSD		2.872	18.509	10.665	0.728	15.332	14.893	0.307	0.241	1.320
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
1	16:05:19	4442.560	5189.837	46.461	1874.535	267.645	97.693%	0.000	22203.526	6709.504
2	16:06:23	3797.576	4253.075	15.585	1900.628	237.229	98.026%	2.040	20112.060	6692.680
3	16:07:26	3404.460	3870.842	26.912	1864.173	138.171	99.513%	0.000	18843.290	6656.562
x		3881.532	4437.918	29.652	1879.779	214.348	98.411%	0.680	20386.292	6686.248
σ		524.118	678.647	15.619	18.784	67.702	0.969%	1.178	1696.820	27.051
%RSD		13.503	15.292	52.675	0.999	31.585	0.985	173.205	8.323	0.405

ICSA 11/03/2010 04:11:53 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg
1	16:12:56	T 78.315%	242093.140	-34.638	20181.009	TM 287483340.000	TM 187510820.000	TM 26214344.000
2	16:13:59	T 78.842%	241374.410	-41.134	19626.536	TM 288123560.000	TM 188472980.000	TM 26535213.000
3	16:15:03	T 77.885%	237719.980	-42.215	20029.632	TM 298752200.000	TM 194711760.000	TM 27494293.000
x		T 78.347%	240395.840	-39.329	19945.726	TM 109.461%	TM 190231850.000	TM 110.153%
σ		T 0.479%	2345.064	4.098	286.602	TM n/a	TM 3909427.000	TM n/a
%RSD		T 0.612	0.976	10.420	1.437	TM 2.172	TM 2.055	TM 2.490

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V
1	16:12:56	T 11937527.000	1373961.800	TM 232370620.000	TM 9274677.000	75.853%	553542.770	4862.995
2	16:13:59	T 11682837.000	1366363.700	TM 231875510.000	TM 9226229.400	78.322%	545161.570	5045.659
3	16:15:03	T 11774439.000	1303050.800	TM 239656380.000	TM 9293609.600	78.674%	550575.680	6854.890
x		T 11798268.000	1347792.100	TM 106.839%	TM 107.657%	77.616%	549760.010	5587.848
σ		T 129005.990	38932.888	TM n/a	TM n/a	1.538%	4249.718	1101.085
%RSD		T 1.093	2.889	TM 1.857	TM 0.375	1.981	0.773	19.705

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu
1	16:12:56	TM 27632488.000	1524.769	TM 462625720.000	2204.349	-2408.503	940.724	1046.376
2	16:13:59	TM 27029359.000	1503.156	TM 448151520.000	2269.855	-2429.186	1034.576	922.116
3	16:15:03	TM 26948659.000	1594.272	TM 449696860.000	2208.790	-2449.012	1153.932	918.462
x		TM 27203502.000	1540.732	TM 104.754%	2227.665	-2428.900	1043.077	962.318
σ		TM 373697.420	47.609	TM n/a	36.605	20.256	106.858	72.819
%RSD		TM 1.374	3.090	TM 1.753	1.643	0.834	10.244	7.567

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo
1	16:12:56	1913.146	-142.955	126.477	-24.436	77.417%	M 3111454.700	TM 4559519.400
2	16:13:59	1834.870	-70.005	296.489	-22.388	77.785%	M 3131934.700	TM 4604052.200
3	16:15:03	1677.368	-65.465	416.813	-21.221	78.278%	TM 2797858.600	TM 4585680.400
x		1808.461	-92.808	279.926	-22.682	77.827%	TM 109.272%	TM 4583084.000
σ		120.087	43.488	145.875	1.628	0.432%	TM n/a	TM 22379.622
%RSD		6.640	46.858	52.112	7.176	0.555	TM 6.213	TM 0.488

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba
1	16:12:56	201.804	256.835	428.164	79.328%	8664.311	6493.043	5368.417
2	16:13:59	201.099	230.583	407.474	79.424%	8153.166	6126.061	5254.565
3	16:15:03	180.736	64.105	286.626	79.813%	7723.047	5802.213	5305.607
x		194.546	183.841	374.088	79.522%	8180.174	6140.439	5309.530
σ		11.965	104.522	76.447	0.257%	471.213	345.639	57.027
%RSD		6.150	56.854	20.436	0.323	5.760	5.629	1.074

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg
1	16:12:56	2910.789	3529.492	74.363	1993.164	4117.454	79.819%	0.000
2	16:13:59	2686.730	3130.060	80.565	2052.292	3626.909	80.740%	0.000
3	16:15:03	2682.372	3030.378	82.423	2052.225	3879.125	79.445%	0.000
x		2759.964	3229.977	79.117	2032.560	3874.496	80.001%	0.000
σ		130.637	264.133	4.221	34.118	245.305	0.667%	0.000
%RSD		4.733	8.178	5.335	1.679	6.331	0.833	0.000

ICSAB 11/03/2010 04:19:30 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg
1	16:20:33	T 77.456%	236476.160	6399.441	70063.682	TM 292531000.000	TM 189697980.000	TM 26941528.000
2	16:21:37	T 76.561%	236275.040	6584.733	72291.005	TM 300953600.000	TM 195500790.000	TM 27682149.000
3	16:22:40	T 76.337%	232811.370	6657.907	71840.670	TM 304210960.000	TM 195916360.000	TM 27982240.000
x		T 76.785%	235187.520	94.511%	104.540%	TM 112.382%	TM 193705040.000	TM 113.396%
σ		T 0.592%	2060.263	n/a	n/a	TM n/a	TM 3476433.400	TM n/a
%RSD		T 0.771	0.876	2.035	1.649	TM 2.014	TM 1.795	TM 1.945

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V
1	16:20:33	T 11535124.000	1387343.800	TM 238018940.000	TM 9206571.200	77.764%	538687.410	128674.200
2	16:21:37	T 11601416.000	1388718.600	TM 241430260.000	TM 9248250.000	78.227%	540454.490	131158.710
3	16:22:40	T 11649311.000	1389758.200	TM 241747420.000	TM 9186834.000	78.481%	537871.540	128641.820
x		T 11595284.000	1388606.900	TM 109.464%	TM 107.065%	78.157%	539004.480	90.696%
σ		T 57340.042	1211.073	TM n/a	TM n/a	0.364%	1320.346	n/a
%RSD		T 0.495	0.087	TM 0.860	TM 0.340	0.465	0.245	1.115

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu

1	16:20:33	TM 27114609.000	206811.940	TM 442509000.000	156025.430	56161.007	10061.812	78433.834
2	16:21:37	TM 26850496.000	208994.980	TM 454617460.000	159324.560	56347.146	10277.815	77129.349
3	16:22:40	TM 26887952.000	206548.830	TM 450085240.000	156510.900	56290.687	M 10897.140	78072.192
x		TM 26951019.000	95.753%	TM 103.733%	86.292%	80.831%	M 96.587%	85.492%
σ		TM 142905.810	n/a	TM n/a	n/a	n/a	M n/a	n/a
%RSD		TM 0.530	0.647	TM 1.362	1.132	0.170	M 4.164	0.865

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo
1	16:20:33	64630.950	15552.406	3249.276	1064.723	77.369%	M 3067917.300	TM 4510905.600
2	16:21:37	63420.625	15705.961	3462.754	1078.047	78.016%	TM 2788347.700	TM 4569674.400
3	16:22:40	64451.917	15421.696	3536.617	1066.854	77.871%	M 3100492.100	TM 4585579.800
x		86.274%	104.398%	124.161%	91.412%	77.752%	TM 108.251%	TM 4555386.600
σ		n/a	n/a	n/a	n/a	0.339%	TM n/a	TM 39334.046
%RSD		1.018	0.914	4.368	0.669	0.436	TM 5.747	TM 0.863

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba
1	16:20:33	80455.252	22694.681	54867.636	79.051%	M 455287.250	M 339532.950	378175.680
2	16:21:37	79844.365	22329.459	54903.849	79.344%	M 452315.500	M 340418.940	375682.510
3	16:22:40	77418.963	21926.347	53937.971	81.243%	M 446218.000	M 330692.120	367199.760
x		93.902%	105.584%	104.327%	79.880%	M 104.144%	M 103.261%	85.717%
σ		n/a	n/a	n/a	1.190%	M n/a	M n/a	n/a
%RSD		2.027	1.722	1.003	1.490	M 1.025	M 1.596	1.540

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg
1	16:20:33	109774.630	128477.240	101535.290	257745.810	354794.800	79.615%	0.000
2	16:21:37	110591.580	127293.340	104488.480	263740.350	365114.180	77.175%	0.000
3	16:22:40	112175.740	128892.240	106947.380	273754.630	370317.190	75.446%	0.000
x		98.839%	97.680%	88.843%	87.888%	93.931%	77.412%	0.000
σ		n/a	n/a	n/a	n/a	n/a	2.095%	0.000
%RSD		1.101	0.647	2.597	3.051	2.174	2.706	0.000

CCV 11/03/2010 04:27:06 PM QC Status: FAIL (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	16:28:09	T 87.271%	264080.710	3534.090	71438.756	T 15130507.000	T 9571919.600	1357567.500	1535285.300	92651
2	16:29:13	T 87.305%	262508.140	3441.045	72273.733	T 15235099.000	T 9711117.000	1373636.800	1530845.400	88396
3	16:30:16	T 89.466%	268243.980	3537.670	71444.411	T 14973189.000	T 9492445.200	1345461.900	1512140.300	89283
x		T 88.014%	264944.280	101.168%	105.010%	T 113.519%	T 9591827.200	111.923%	111.395%	108.
σ		T 1.258%	2963.828	n/a	n/a	T n/a	T 110686.820	n/a	n/a	
%RSD		T 1.429	1.119	1.563	0.670	T 0.872	T 1.154	1.040	0.805	
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**5**
1	16:28:09	5530.573	1185664.900	T 12690872.000	452731.130	88.586%	230.287	72760.978	61461.682	1136
2	16:29:13	4433.966	1209800.300	T 12608601.000	446571.430	90.323%	177.144	70121.120	60942.408	928
3	16:30:16	4192.952	1174643.100	T 12360040.000	451555.770	89.693%	104.803	70896.994	63020.162	835
x		4719.164	1190036.100	T 114.320%	104.646%	89.534%	170.745	99.820%	97.170%	967
σ		712.959	17981.603	T n/a	n/a	0.879%	62.986	n/a	n/a	153
%RSD		15.108	1.511	T 1.372	0.726	0.982	36.889	1.904	1.749	1
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	
1	16:28:09	271946.700	107618.390	T 4516066.800	170084.470	13305.127	2362.596	17966.457	18338.418	332
2	16:29:13	268098.390	107716.450	T 4482459.300	168971.590	13125.619	2365.563	17448.104	18402.432	330
3	16:30:16	273747.230	110147.550	T 4512576.300	172511.310	13892.164	2351.882	17524.283	18678.509	341
x		271264.100	100.155%	T 104.033%	93.553%	96.545%	109.460%	96.857%	100.262%	99.
σ		2885.617	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	
%RSD		1.064	1.321	T 0.410	1.061	2.983	0.305	1.586	0.978	
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108**
1	16:28:09	14599.179	7394.846	1700.963	613.074	88.762%	139928.290	227537.820	41232.972	-11
2	16:29:13	14319.509	7448.664	1606.910	615.330	90.717%	140315.350	227847.790	40777.858	-10
3	16:30:16	14543.532	7570.813	1586.059	620.910	90.736%	139768.860	225027.400	41355.874	-11
x		97.392%	100.257%	118.579%	105.340%	90.072%	101.525%	226804.340	98.143%	-11
σ		n/a	n/a	n/a	n/a	1.134%	n/a	1546.655	n/a	
%RSD		1.022	1.207	3.752	0.654	1.259	0.201	0.682	0.740	
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**1**
1	16:28:09	42293.834	10804.251	26077.238	91.596%	74524.756	56119.248	208504.750	362694.370	92.
2	16:29:13	41917.277	10607.710	26233.800	92.174%	85240.711	64193.558	208421.810	365758.540	93.
3	16:30:16	41722.645	11322.031	26565.346	91.923%	92120.097	68833.475	215794.120	373300.880	94.
x		99.491%	103.246%	100.531%	91.898%	96.882%	96.629%	96.757%	93.496%	93.
σ		n/a	n/a	n/a	0.290%	n/a	n/a	n/a	n/a	1.
%RSD		0.692	3.382	0.948	0.315	10.561	10.205	2.007	1.486	
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	
1	16:28:09	56062.482	66200.923	59000.221	151010.530	195239.340	90.066%	0.000	212135.870	24361
2	16:29:13	56919.338	66422.252	57966.491	147950.520	192956.890	92.614%	0.000	223758.370	23516
3	16:30:16	57294.074	66922.153	59375.280	149873.720	195345.230	92.223%	0.000	234015.180	24059
x		101.219%	101.344%	100.116%	99.209%	100.553%	91.634%	0.000	223303.140	23979
σ		n/a	n/a	n/a	n/a	n/a	1.373%	0.000	10946.756	427
%RSD		1.112	0.555	1.241	1.034	0.694	1.498	0.000	4.902	

CCB 11/03/2010 04:34:41 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	16:35:45	T 91.050%	273835.020	-42.246	2353.359	241425.910	-131117.630	-31995.048	-41049.350	-3454.730
2	16:36:48	T 90.283%	271992.940	-41.008	2032.515	243929.100	-127708.370	-31677.924	-40451.707	-330.866
3	16:37:52	T 90.873%	274181.220	-47.718	1884.024	220730.750	-132338.530	-32298.615	-41216.136	-4344.780
x		T 90.735%	273336.390	-43.657	2089.966	235361.920	-130388.180	-31990.529	-40905.731	-2710.126
σ		T 0.402%	1176.272	3.571	239.884	12732.625	2399.723	310.370	401.943	2108.009
%RSD		T 0.443	0.430	8.180	11.478	5.410	1.840	0.970	0.983	77.783
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
1	16:35:45	4539.343	1185719.300	328899.400	-6307.079	89.019%	89.868	1886.561	84.247	11238.207
2	16:36:48	4735.455	1206867.800	324369.320	-6091.326	88.417%	137.983	1425.012	64.598	10016.067
3	16:37:52	4423.227	1171850.500	289002.140	-6040.711	89.275%	107.533	1964.040	93.579	8903.631
x		4566.008	1188145.900	314090.290	-6146.372	88.904%	111.795	1758.537	80.808	10052.635
σ		157.813	17634.326	21844.715	141.459	0.441%	24.339	291.428	14.793	1167.717
%RSD		3.456	1.484	6.955	2.302	0.496	21.771	16.572	18.307	11.616
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**

1	16:35:45	7203.304	334.412	-51379.083	1744.105	-104.261	202.308	-256.373	-129.063	17.751
2	16:36:48	8012.437	363.580	-43199.699	1773.879	-125.236	157.085	-305.386	-106.209	-15.353
3	16:37:52	7031.195	363.974	-51535.146	1737.230	-169.852	174.464	-281.000	-188.369	-0.519
x		7415.645	353.989	-48704.643	1751.738	-133.116	177.952	-280.920	-141.214	0.626
σ		523.952	16.955	4768.060	19.480	33.498	22.813	24.507	42.406	16.582
%RSD		7.065	4.790	9.790	1.112	25.165	12.820	8.724	30.030	2648.602
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
1	16:35:45	-155.730	-18.236	100.018	9.201	89.193%	3522.467	7726.246	-381.568	-151.823
2	16:36:48	-144.968	-120.243	41.601	-2.154	89.355%	3244.825	7217.449	-373.291	-146.964
3	16:37:52	-134.049	-25.738	27.263	-6.664	91.020%	2925.291	6931.724	-406.254	-186.990
x		-144.916	-54.739	56.294	0.128	89.856%	3230.861	7291.806	-387.038	-161.925
σ		10.841	56.852	38.539	8.175	1.011%	298.833	402.446	17.149	21.842
%RSD		7.481	103.860	68.460	6407.628	1.126	9.249	5.519	4.431	13.489
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
1	16:35:45	-355.870	-82.191	-186.565	90.040%	7733.872	5705.559	4991.918	15122.383	92.244%
2	16:36:48	-360.556	-91.435	-187.695	91.289%	6763.982	5046.093	5021.740	15162.218	93.494%
3	16:37:52	-362.888	-47.809	-149.830	92.135%	6119.552	4586.347	5018.724	15138.941	93.822%
x		-359.771	-73.812	-174.697	91.154%	6872.468	5112.666	5010.794	15141.181	93.186%
σ		3.574	22.989	21.542	1.054%	812.610	562.568	16.416	20.012	0.833%
%RSD		0.993	31.145	12.331	1.156	11.824	11.003	0.328	0.132	0.894
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
1	16:35:45	1617.840	1892.971	61.376	1980.195	247.405	92.869%	0.000	18582.889	6674.088
2	16:36:48	1539.836	1676.259	52.160	1950.769	331.513	93.522%	0.000	17414.145	6671.167
3	16:37:52	1455.938	1579.030	38.707	1915.107	202.442	94.328%	0.000	16811.912	6668.115
x		1537.871	1716.087	50.748	1948.690	260.454	93.573%	0.000	17602.982	6671.123
σ		80.969	160.715	11.400	32.594	65.517	0.731%	0.000	900.464	2.987
%RSD		5.265	9.365	22.465	1.673	25.155	0.781	0.000	5.115	0.045

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	16:43:21	T 92.879%	280134.660	-52.239	1752.181	258162.610	-135477.950	-32675.068	-41801.327	-2820.990
2	16:44:24	T 92.949%	282547.630	-44.712	1726.554	222181.910	-139066.500	-33145.495	-42469.802	-6870.974
3	16:45:27	T 93.963%	282976.670	-51.237	1679.800	206349.510	-139679.520	-33312.002	-42417.924	-7834.005
x		T 93.264%	281886.320	-49.396	1719.512	228898.010	-138074.660	-33044.188	-42229.684	-5841.990
σ		T 0.607%	1532.079	4.087	36.701	26551.437	2269.604	330.331	371.874	2660.205
%RSD		T 0.651	0.544	8.274	2.134	11.600	1.644	1.000	0.881	45.536

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	16:43:21	7192.667	1140117.500	215820.080	-5380.164	90.180%	117.544	1761.393	2075.614	11259.735
2	16:44:24	7283.839	1118778.200	187469.510	-5421.568	91.661%	242.199	1486.004	2044.263	9620.242
3	16:45:27	7083.164	1096407.900	180592.620	-5386.504	92.252%	88.888	2278.619	2143.985	8316.563
x		7186.557	1118434.600	194627.410	-5396.079	91.364%	149.544	1842.005	2087.954	9732.180
σ		100.477	21856.849	18672.712	22.301	1.068%	81.511	402.409	50.993	1474.776
%RSD		1.398	1.954	9.594	0.413	1.168	54.507	21.846	2.442	15.154

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
1	16:43:21	24303.560	2757.469	136020.710	1752.283	9.688	113.723	472.266	1441.004	242.411
2	16:44:24	23507.735	2941.676	123103.340	1733.823	-2.738	118.472	465.416	1250.320	228.090
3	16:45:27	23447.575	2871.075	127127.390	1759.560	10.222	101.689	525.218	1375.689	256.319
x		23752.956	2856.740	128750.480	1748.555	5.724	111.295	487.633	1355.671	242.273
σ		477.784	92.936	6609.874	13.267	7.333	8.651	32.729	96.905	14.115
%RSD		2.011	3.253	5.134	0.759	128.110	7.773	6.712	7.148	5.826

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	16:43:21	918.967	31.260	-46.397	11.989	91.587%	2505.176	6055.689	-402.163	-150.599
2	16:44:24	869.159	-70.598	-32.272	-6.182	94.468%	2199.909	5775.240	-408.558	-150.785
3	16:45:27	997.587	16.484	-11.603	-5.036	93.430%	2099.378	5481.038	-410.751	-151.419
x		928.571	-7.618	-30.091	0.257	93.162%	2268.154	5770.656	-407.157	-150.934
σ		64.750	55.040	17.499	10.176	1.459%	211.332	287.353	4.462	0.430
%RSD		6.973	722.487	58.155	3961.075	1.566	9.317	4.980	1.096	0.285

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	16:43:21	-365.273	-79.382	-239.679	93.680%	5849.024	4390.477	4983.097	15121.561	96.834%
2	16:44:24	-369.533	-85.599	-268.593	93.565%	5369.390	3981.593	4983.162	15059.732	98.455%
3	16:45:27	-371.726	-74.419	-377.872	94.388%	5032.266	3731.347	5010.242	15078.206	97.885%
x		-368.844	-79.800	-295.381	93.878%	5416.893	4034.472	4992.167	15086.500	97.725%
σ		3.281	5.602	72.887	0.446%	410.446	332.731	15.653	31.738	0.823%
%RSD		0.890	7.019	24.676	0.475	7.577	8.247	0.314	0.210	0.842

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	16:43:21	4847.694	5507.890	40.938	1929.277	349.517	96.879%	0.000	19399.152	6628.164
2	16:44:24	4296.030	4979.580	35.473	1937.971	285.674	98.758%	2.025	17495.005	6600.579
3	16:45:27	3543.713	4292.613	22.356	1896.240	283.403	96.883%	0.000	16918.606	6601.324
x		4229.146	4926.694	32.922	1921.163	306.198	97.507%	0.675	17937.588	6610.022
σ		654.558	609.362	9.550	22.017	37.532	1.084%	1.169	1298.147	15.715
%RSD		15.477	12.369	29.008	1.146	12.258	1.112	173.205	7.237	0.238

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	16:50:55	T 91.530%	277462.560	9039.731	176782.360	T 35811824.000	T 23306962.000	T 3250592.400	T 3655330.000
2	16:51:59	T 92.025%	282832.280	9138.715	176977.410	T 35767790.000	T 23504387.000	T 3271994.600	T 3685540.800
3	16:53:02	T 91.891%	279276.860	8938.681	178011.010	T 36296771.000	T 23784042.000	T 3295915.800	T 3709193.200
x		T 91.815%	279857.230	9039.042	177256.930	T 35958795.000	T 23531797.000	T 3272834.200	T 3683354.700
σ		T 0.256%	2731.505	100.019	660.297	T 293522.610	T 239718.110	T 22673.334	T 26998.063
%RSD		T 0.279	0.976	1.107	0.373	T 0.816	T 1.019	T 0.693	T 0.733

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	16:50:55	6947.858	1111828.600	T 29412982.000	1172138.700	90.649%	92.665	179291.850	161129.250
2	16:51:59	7248.671	1163812.800	T 29776533.000	1154945.700	91.305%	140.190	181713.110	161061.850
3	16:53:02	7249.205	1161373.200	T 29626205.000	1167754.400	91.326%	120.448	180139.100	163466.730
x		7148.578	1145671.500	T 29605240.000	1164946.300	91.093%	117.768	180381.350	161885.940
σ		173.829	29334.232	T 182679.890	8933.890	0.385%	23.876	1228.673	1369.419
%RSD		2.432	2.560	T 0.617	0.767	0.422	20.273	0.681	0.846

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	16:50:55	707066.780	276451.490	T 11428395.000	450947.060	33887.916	5276.660	44204.688	46923.258
2	16:51:59	711837.310	281314.350	T 11563372.000	456066.890	34428.273	5481.079	44652.090	46978.092
3	16:53:02	712409.320	280006.740	T 11583545.000	457335.400	34590.841	5405.295	45732.911	47031.418
x		710437.810	279257.520	T 11525104.000	454783.110	34302.343	5387.678	44863.230	46977.590
σ		2933.367	2516.515	T 84357.508	3382.127	367.994	103.342	785.685	54.082
%RSD		0.413	0.901	T 0.732	0.744	1.073	1.918	1.751	0.115

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	16:50:55	42406.748	18623.788	3338.632	1432.535	91.513%	350989.580	575135.690	98373.614
2	16:51:59	42853.763	18812.428	3363.324	1449.729	92.589%	351740.680	573372.880	99651.763
3	16:53:02	42243.429	18167.435	3347.613	1394.755	94.555%	344575.460	565075.560	97485.741
x		42501.313	18534.550	3349.856	1425.673	92.886%	349101.910	571194.710	98503.706
σ		315.965	331.628	12.498	28.122	1.542%	3937.966	5372.138	1088.855
%RSD		0.743	1.789	0.373	1.973	1.661	1.128	0.941	1.105

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	16:50:55	98872.367	26581.653	64359.591	95.831%	242546.750	183304.560	M 1107506.500	M 2007256.400
2	16:51:59	102143.210	27051.426	66011.006	95.278%	246162.710	185682.480	M 1131897.600	M 2035961.100
3	16:53:02	98949.989	26746.732	64813.836	96.998%	242770.790	184087.890	M 1111612.500	M 1979311.000
x		99988.521	26793.270	65061.478	96.036%	243826.750	184358.310	M 1117005.500	M 2007509.500
σ		1866.417	238.319	853.105	0.878%	2026.103	1211.805	M 13059.307	M 28325.898
%RSD		1.867	0.889	1.311	0.914	0.831	0.657	M 1.169	M 1.411

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	16:50:55	154077.190	181638.380	146315.950	372389.620	503142.740	99.344%	2.013	619962.990
2	16:51:59	151335.920	176864.050	143759.910	360500.450	497091.910	101.353%	1.973	605755.130
3	16:53:02	153139.960	178418.670	144981.040	364092.520	499321.880	101.129%	0.000	622228.600
x		152851.020	178973.700	145018.970	365660.870	499852.180	100.609%	1.329	615982.240
σ		1393.290	2435.076	1278.440	6097.776	3060.073	1.101%	1.151	8929.085
%RSD		0.912	1.361	0.882	1.668	0.612	1.094	86.616	1.450

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	16:58:30	T 88.792%	268779.450	-39.603	3340.114	T 35035043.000	T 8888531.300	1236950.000	1393736.000
2	16:59:33	T 89.858%	273167.370	-37.591	3143.719	T 34793206.000	T 8831243.400	1231619.400	1397926.500
3	17:00:37	T 91.021%	272817.090	-42.241	2659.909	T 35325947.000	T 8890028.300	1244521.900	1403577.600
x		T 89.890%	271587.970	-39.812	3047.914	T 35051399.000	T 8869934.300	1237697.100	1398413.400
σ		T 1.115%	2438.548	2.332	350.077	T 266747.050	T 33515.670	6483.566	4938.848
%RSD		T 1.240	0.898	5.858	11.486	T 0.761	T 0.378	0.524	0.353

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	16:58:30	T 8565378.500	1193207.000	TM 89070990.000	TM 10084410.000	85.545%	21125.685	3700.156	17689.381
2	16:59:33	T 8432611.400	1148905.100	TM 89498102.000	TM 9883164.100	88.159%	20444.809	3384.868	17777.224
3	17:00:37	T 8514386.500	1141670.300	TM 90653478.000	TM 10007589.000	89.447%	20596.123	2441.602	17600.247
x		T 8504125.500	1161260.800	TM 89740856.000	TM 9991720.900	87.717%	20722.206	3175.542	17688.951
σ		T 66975.683	27901.719	TM 818696.610	TM 101556.850	1.988%	357.520	654.869	88.489
%RSD		T 0.788	2.403	TM 0.912	TM 1.016	2.267	1.725	20.622	0.500

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	16:58:30	61594.199	157919.370	806606.210	2508.499	-1490.503	421.654	3367.087	M 266621.050
2	16:59:33	61518.923	156812.120	798170.980	2409.368	-1327.628	312.208	3213.985	M 259280.870
3	17:00:37	60838.122	158152.150	787039.190	2383.354	-1417.525	339.342	3025.321	M 264042.920
x		61317.081	157627.880	797272.130	2433.741	-1411.886	357.735	3202.131	M 263314.950
σ		416.495	715.995	9814.428	66.037	81.584	56.994	171.191	M 3723.844
%RSD		0.679	0.454	1.231	2.713	5.778	15.932	5.346	M 1.414

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	16:58:30	M 192438.000	127.613	217.131	112.752	88.748%	2869.997	6713.780	-350.851
2	16:59:33	M 187067.150	243.591	250.660	112.489	89.595%	2718.691	6339.511	-373.593
3	17:00:37	M 186709.420	297.086	264.988	116.485	90.316%	2377.469	6172.525	-373.486
x		M 188738.190	222.763	244.260	113.909	89.553%	2655.386	6408.605	-365.977
σ		M 3209.116	86.635	24.562	2.235	0.785%	252.293	277.164	13.099
%RSD		M 1.700	38.891	10.056	1.962	0.876	9.501	4.325	3.579

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	16:58:30	-318.452	-78.370	-250.814	90.557%	4547.007	3546.518	23547.411	46714.243
2	16:59:33	-304.107	-74.306	-282.125	91.923%	4301.391	3235.746	23778.713	46670.745
3	17:00:37	-334.461	-20.403	-201.671	91.698%	4235.780	3148.803	23855.423	46658.543
x		-319.007	-57.693	-244.870	91.393%	4361.392	3310.356	23727.182	46681.177
σ		15.185	32.358	40.555	0.732%	164.060	209.092	160.342	29.278
%RSD		4.760	56.087	16.562	0.801	3.762	6.316	0.676	0.063

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	16:58:30	3302.650	4011.213	104.859	2105.779	3920.171	95.486%	0.000	17366.909
2	16:59:33	2918.494	3548.808	57.514	2007.900	3848.167	96.815%	0.000	16519.642
3	17:00:37	2674.111	3128.816	47.583	1969.742	4116.574	96.338%	0.000	16086.739
x		2965.085	3562.946	69.985	2027.807	3961.637	96.213%	0.000	16657.763
σ		316.849	441.368	30.607	70.169	138.925	0.673%	0.000	651.166
%RSD		10.686	12.388	43.734	3.460	3.507	0.700	0.000	3.909

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	17:06:04	T 92.198%	280901.790	-46.776	2012.095	T 17040705.000	T 5428618.000	738049.110	825751.870
2	17:07:08	T 93.061%	282593.010	-49.026	1962.088	T 17015069.000	T 5439070.000	743452.900	819746.210
3	17:08:11	T 92.575%	285068.530	-44.660	1916.254	T 17358549.000	T 5487959.600	749811.710	833587.670
x		T 92.612%	282854.440	-46.821	1963.479	T 17138108.000	T 5451882.500	743771.240	826361.920
σ		T 0.433%	2095.635	2.183	47.936	T 191337.260	T 31677.699	5887.761	6940.870
%RSD		T 0.467	0.741	4.663	2.441	T 1.116	T 0.581	0.792	0.840

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	17:06:04	T 2578345.200	1079368.400	TM 101911850.000	371895.070	91.406%	6459.020	3145.499	5534.538
2	17:07:08	T 2602883.700	1104159.400	TM 102057050.000	370616.050	91.460%	6251.701	2340.200	5688.021
3	17:08:11	T 2580327.500	1100002.300	TM 103395820.000	367708.810	92.126%	6204.294	2738.548	5928.218
x		T 2587185.500	1094510.100	TM 102454900.000	370073.310	91.664%	6305.005	2741.416	5716.926
σ		T 13631.132	13276.766	TM 818083.270	2145.258	0.401%	135.471	402.657	198.425
%RSD		T 0.527	1.213	TM 0.798	0.580	0.438	2.149	14.688	3.471

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	17:06:04	20222.651	9179.691	19884.624	1863.041	178.441	143.242	1679.845	M 130268.510	M 1
2	17:07:08	20554.928	9174.085	17424.445	1845.445	96.355	90.596	1800.733	M 130416.930	M 1
3	17:08:11	20339.214	9062.114	17994.004	1796.560	141.957	93.324	1784.583	M 130982.180	M 1
x		20372.264	9138.630	18434.358	1835.016	138.918	109.054	1755.053	M 130555.870	M 1
σ		168.586	66.324	1287.848	34.446	41.127	29.639	65.631	M 376.575	
%RSD		0.828	0.726	6.986	1.877	29.605	27.179	3.740	M 0.288	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	
1	17:06:04	M 93379.178	207.761	179.573	73.090	93.110%	1555.255	4677.142	-395.813	
2	17:07:08	M 93125.020	191.794	134.929	75.474	94.124%	1534.783	4588.362	-393.780	
3	17:08:11	M 94159.902	249.127	176.969	86.630	94.363%	1499.603	4484.450	-400.749	
x		M 93554.700	216.227	163.824	78.398	93.866%	1529.880	4583.318	-396.781	
σ		M 539.306	29.589	25.058	7.228	0.665%	28.148	96.445	3.584	
%RSD		M 0.576	13.684	15.296	9.220	0.709	1.840	2.104	0.903	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	17:06:04	-367.435	-39.454	-276.255	93.920%	4057.781	2980.018	5611.179	16077.422	
2	17:07:08	-363.238	-64.033	-368.137	94.308%	3995.391	2945.911	5525.665	16019.935	
3	17:08:11	-365.813	-75.893	-389.906	97.804%	3908.700	2896.302	5518.673	15938.166	
x		-365.495	-59.794	-344.766	95.344%	3987.291	2940.744	5551.839	16011.841	
σ		2.117	18.586	60.323	2.140%	74.870	42.097	51.509	69.980	
%RSD		0.579	31.083	17.497	2.244	1.878	1.431	0.928	0.437	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	17:06:04	2368.265	2833.091	27.968	1896.892	929.022	97.799%	0.000	15563.604	
2	17:07:08	2113.168	2569.352	41.455	1941.777	757.530	98.883%	0.000	15429.331	
3	17:08:11	2123.946	2436.552	13.960	1889.632	772.002	97.166%	0.000	15216.348	
x		2201.793	2612.998	27.794	1909.434	819.518	97.949%	0.000	15403.094	
σ		144.270	201.840	13.748	28.244	95.109	0.868%	0.000	175.108	
%RSD		6.552	7.724	49.464	1.479	11.605	0.886	0.000	1.137	

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	17:13:39	T 88.592%	271032.890	-12.471	265057.590	T 11383646.000	T 7964404.200	1116082.300	1243945.200
2	17:14:43	T 86.807%	265991.220	-12.695	268267.190	T 11493373.000	T 8140692.400	1123473.900	1263795.600
3	17:15:46	T 86.278%	264747.700	-5.466	270448.160	T 11636299.000	T 8169755.500	1133313.000	1279713.400
x		T 87.226%	267257.270	-10.211	267924.310	T 11504439.000	T 8091617.400	1124289.700	1262484.700
σ		T 1.212%	3328.377	4.111	2711.593	T 126689.300	T 111124.090	8644.294	17920.067
%RSD		T 1.390	1.245	40.261	1.012	T 1.101	T 1.373	0.769	1.419

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	17:13:39	252097.260	1120828.700	T 24086858.000	TM 3611214.400	86.504%	7209.062	15962.963	11228.768
2	17:14:43	251024.260	1120676.400	T 24697626.000	TM 3619701.300	86.529%	7257.895	15319.799	11171.963
3	17:15:46	250268.070	1145541.800	T 24564151.000	TM 3610384.000	86.616%	7148.926	16121.698	11071.518
x		251129.860	1129015.600	T 24449545.000	TM 3613766.600	86.550%	7205.294	15801.487	11157.417
σ		919.156	14312.318	T 321107.740	TM 5156.351	0.059%	54.582	424.637	79.628
%RSD		0.366	1.268	T 1.313	TM 0.143	0.068	0.758	2.687	0.714

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	17:13:39	1216114.300	TM 4182759.200	T 19826204.000	7587.509	1968.911	586.610	7308.966	46974.653
2	17:14:43	1209828.100	TM 4165598.500	T 19764638.000	7423.945	2029.092	496.256	7417.627	47396.000
3	17:15:46	1221175.000	TM 4195715.500	T 19792072.000	7709.279	2114.695	585.682	7411.437	46653.480
x		1215705.800	TM 4181357.700	T 19794304.000	7573.578	2037.566	556.183	7379.343	47008.044
σ		5684.488	TM 15107.328	T 30843.958	143.176	73.261	51.900	61.027	372.385
%RSD		0.468	TM 0.361	T 0.156	1.890	3.595	9.331	0.827	0.792

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	17:13:39	34462.590	3189.005	23.359	42.533	90.958%	2871.616	6535.826	-288.917
2	17:14:43	34288.015	2946.832	11.963	39.112	91.386%	2823.602	6524.873	-284.651
3	17:15:46	34799.859	3134.739	32.158	42.766	91.111%	2901.449	6570.619	-338.860
x		34516.821	3090.192	22.493	41.470	91.152%	2865.556	6543.773	-304.142
σ		260.196	127.084	10.126	2.046	0.217%	39.275	23.886	30.142
%RSD		0.754	4.112	45.016	4.933	0.238	1.371	0.365	9.910

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	17:13:39	-294.095	217.769	492.730	90.490%	5120.086	3800.327	100517.390	177674.380
2	17:14:43	-291.986	266.829	581.553	90.596%	5077.770	3768.431	99514.522	178833.150
3	17:15:46	-297.599	160.983	372.697	89.460%	5062.498	3780.442	101643.530	179735.040
x		-294.560	215.194	482.327	90.182%	5086.785	3783.067	100558.480	178747.520
σ		2.835	52.970	104.816	0.628%	29.834	16.109	1065.098	1032.995
%RSD		0.963	24.615	21.731	0.696	0.586	0.426	1.059	0.578

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	17:13:39	2640.491	3160.474	474.722	3135.349	264821.070	93.684%	0.000	25629.632
2	17:14:43	2725.662	2952.117	586.191	3044.482	264530.200	93.616%	0.000	25627.259
3	17:15:46	2419.198	3063.065	515.868	2979.750	262409.170	94.313%	0.000	25271.030
x		2595.117	3058.552	525.594	3053.193	263920.150	93.871%	0.000	25509.307
σ		158.190	104.252	56.367	78.164	1316.605	0.384%	0.000	206.357
%RSD		6.096	3.409	10.724	2.560	0.499	0.410	0.000	0.809

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	2
1	17:21:14	T 86.463%	261820.730	-39.117	10383.043	T 20578204.000	T 5234292.600	702578.190	788266.790	363190
2	17:22:17	T 88.101%	267037.220	-41.731	9770.119	T 20505089.000	T 5240747.500	705338.560	798920.330	356293
3	17:23:21	T 88.440%	267898.000	-42.923	9312.987	T 20646355.000	T 5282606.400	711768.080	796613.870	360308
x		T 87.668%	265585.320	-41.257	9822.050	T 20576549.000	T 5252548.800	706561.610	794600.330	359930
σ		T 1.057%	3288.510	1.947	536.915	T 70647.503	T 26229.932	4715.442	5604.930	3464
%RSD		T 1.206	1.238	4.718	5.466	T 0.343	T 0.499	0.667	0.705	0

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53
1	17:21:14	427927.730	1137547.700	TM 91563801.000	969652.150	82.729%	1912.428	4580.012	4357.589	11869
2	17:22:17	425693.880	1152390.600	TM 91591848.000	958326.350	85.118%	1814.107	3332.267	4211.543	10050
3	17:23:21	422450.560	1149496.700	TM 92476503.000	964082.450	86.498%	1879.970	3236.901	4182.941	8760
x		425357.390	1146478.300	TM 91877384.000	964020.320	84.782%	1868.835	3716.394	4250.691	10227
σ		2754.046	7868.352	TM 519041.870	5663.154	1.907%	50.097	749.434	93.674	1561
%RSD		0.647	0.686	TM 0.565	0.587	2.249	2.681	20.166	2.204	15

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	6

1	17:21:14	227983.370	262884.680	T 3626791.600	3104.526	171.206	176.992	3284.613	25411.234	4125
2	17:22:17	223240.140	256930.890	T 3571169.900	3064.836	210.121	182.406	3295.124	25105.222	3915
3	17:23:21	221389.610	254151.850	T 3560017.100	2961.960	197.479	133.449	3237.636	24714.947	3915
x		224204.380	257989.140	T 3585992.900	3043.774	192.935	164.282	3272.458	25077.134	3985
σ		3400.988	4461.555	T 35770.115	73.580	19.852	26.840	30.611	348.992	121
%RSD		1.517	1.729	T 0.997	2.417	10.289	16.338	0.935	1.392	3

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108M
1	17:21:14	18141.013	1047.823	162.562	112.594	86.543%	2479.898	6017.639	-410.194	-169
2	17:22:17	18514.912	838.599	216.744	97.048	87.811%	2488.643	6075.775	-405.715	-163
3	17:23:21	18620.586	931.956	240.921	106.540	89.076%	2472.502	5930.241	-403.799	-158
x		18425.503	939.459	206.742	105.394	87.810%	2480.348	6007.885	-406.569	-163
σ		251.978	104.813	40.125	7.836	1.267%	8.080	73.256	3.282	5
%RSD		1.368	11.157	19.408	7.435	1.442	0.326	1.219	0.807	3

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	15
1	17:21:14	-355.036	27.845	23.617	86.780%	3902.178	2893.835	34143.179	65282.576	91.0
2	17:22:17	-348.462	18.496	-67.149	87.777%	3882.809	2867.899	33610.094	64504.953	93.1
3	17:23:21	-360.338	21.791	-50.190	90.166%	3853.091	2848.200	33938.064	63411.721	93.9
x		-354.612	22.710	-31.241	88.241%	3879.359	2869.978	33897.112	64399.750	92.7
σ		5.949	4.742	48.259	1.740%	24.725	22.889	268.891	939.854	1.5
%RSD		1.678	20.880	154.474	1.972	0.637	0.798	0.793	1.459	1

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	2
1	17:21:14	1658.087	1970.146	333.366	2657.951	29830.351	91.618%	0.000	15974.270	9238
2	17:22:17	1501.799	1754.676	324.306	2513.793	29388.410	94.498%	0.000	15920.245	9517
3	17:23:21	1482.328	1613.806	291.767	2647.714	29371.350	92.882%	0.000	15863.996	9142
x		1547.405	1779.543	316.480	2606.486	29530.037	92.999%	0.000	15919.503	9299
σ		96.347	179.467	21.876	80.438	260.219	1.444%	0.000	55.141	194
%RSD		6.226	10.085	6.912	3.086	0.881	1.552	0.000	0.346	2

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	17:28:49	T 87.931%	263450.830	-37.152	3189.803	T 4508994.300	952857.970	113307.560	119670.200	68153.910
2	17:29:53	T 89.263%	267930.950	-34.096	2990.881	T 4443419.700	944067.720	111686.840	119220.370	68986.253
3	17:30:56	T 89.701%	271589.130	-46.474	2974.451	T 4393103.200	930878.630	111552.530	119911.500	68825.424
x		T 88.965%	267656.970	-39.241	3051.712	T 4448505.700	942601.440	112182.310	119600.690	68655.196
σ		T 0.922%	4076.064	6.448	119.872	T 58112.729	11062.789	976.809	350.769	441.511
%RSD		T 1.036	1.523	16.432	3.928	T 1.306	1.174	0.871	0.293	0.643

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	17:28:49	89915.446	1170940.200	T 18709626.000	186672.090	83.425%	501.059	2931.275	861.337	12948.629
2	17:29:53	89198.865	1142300.900	T 18616655.000	185559.390	84.790%	509.509	2017.076	865.876	10877.264
3	17:30:56	89606.554	1182538.900	T 18678553.000	180403.090	85.140%	418.144	3259.017	913.155	9222.480
x		89573.622	1165260.000	T 18668278.000	184211.520	84.452%	476.237	2735.789	880.123	11016.124
σ		359.424	20711.678	T 47329.369	3344.795	0.906%	50.487	643.635	28.696	1866.952
%RSD		0.401	1.777	T 0.254	1.816	1.073	10.601	23.526	3.261	16.947

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
1	17:28:49	50313.670	54591.594	698812.630	1999.447	-65.396	102.488	471.731	5540.983	805.064
2	17:29:53	50314.724	52615.647	679536.680	2029.854	-20.148	131.731	407.439	5379.788	870.649
3	17:30:56	50182.908	52584.513	661341.980	2061.345	-8.914	64.869	450.858	5435.343	904.231
x		50270.434	53263.918	679897.100	2030.216	-31.486	99.696	443.343	5452.038	859.981
σ		75.802	1149.907	18737.926	30.950	29.899	33.518	32.798	81.884	50.437
%RSD		0.151	2.159	2.756	1.524	94.961	33.621	7.398	1.502	5.865

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	17:28:49	3855.968	93.759	39.744	10.617	86.818%	1509.994	4473.632	-410.243	-136.981
2	17:29:53	3794.450	203.393	51.732	16.922	86.023%	1472.526	4508.364	-405.696	-141.437
3	17:30:56	3737.217	151.211	22.297	17.409	87.843%	1511.286	4348.878	-403.426	-148.588
x		3795.878	149.454	37.925	14.983	86.895%	1497.935	4443.625	-406.455	-142.335
σ		59.388	54.838	14.802	3.789	0.912%	22.014	83.871	3.471	5.855
%RSD		1.565	36.692	39.029	25.289	1.050	1.470	1.887	0.854	4.114

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	17:28:49	-366.641	-80.546	-176.655	87.400%	3711.541	2728.193	10968.120	24993.901	90.425%
2	17:29:53	-368.953	-76.231	-186.176	87.630%	3656.614	2705.655	10701.022	24999.544	92.041%
3	17:30:56	-368.961	-64.668	-158.320	87.707%	3653.269	2697.789	11104.412	24958.877	91.537%
x		-368.185	-73.815	-173.717	87.579%	3673.808	2710.545	10924.518	24984.108	91.334%
σ		1.337	8.210	14.158	0.160%	32.721	15.781	205.199	22.031	0.827%
%RSD		0.363	11.123	8.150	0.183	0.891	0.582	1.878	0.088	0.906

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	17:28:49	577.677	677.286	86.526	1983.062	5913.051	91.738%	0.000	14611.402	7139.852
2	17:29:53	573.708	721.240	69.669	2013.823	5931.922	93.158%	0.000	14562.213	7126.749
3	17:30:56	530.411	657.001	69.200	2021.160	5920.191	93.584%	0.000	14556.298	7104.945
x		560.599	685.176	75.132	2006.015	5921.721	92.827%	0.000	14576.638	7123.849
σ		26.219	32.838	9.870	20.214	9.528	0.967%	0.000	30.252	17.634
%RSD		4.677	4.793	13.137	1.008	0.161	1.041	0.000	0.208	0.248

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	17:36:25	T 88.859%	267412.000	3236.887	78312.079	T 33911833.000	T 14123902.000	T 1956573.100	T 2179947.400
2	17:37:28	T 90.141%	271580.890	3285.476	76401.884	T 33378543.000	T 13884707.000	T 1928036.400	T 2171534.600
3	17:38:32	T 88.083%	269438.540	3357.901	80057.383	T 35231180.000	T 14640895.000	T 2008194.600	T 2230187.600
x		T 89.028%	269477.140	3293.421	78257.115	T 34173852.000	T 14216501.000	T 1964268.000	T 2193889.900
σ		T 1.039%	2084.713	60.897	1828.369	T 953706.660	T 386505.260	T 40629.311	T 31714.950
%RSD		T 1.167	0.774	1.849	2.336	T 2.791	T 2.719	T 2.068	T 1.446

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	17:36:25	424168.380	1132910.400	TM 101285480.000	1432597.300	85.129%	1987.749	71627.705	64146.942
2	17:37:28	418644.090	1168497.300	TM 101161260.000	1406787.600	87.311%	1869.342	68271.455	64464.729
3	17:38:32	424264.280	1134048.300	TM 105110770.000	1418249.500	87.887%	1902.628	70751.094	63564.514
x		422358.920	1145152.000	TM 102519170.000	1419211.500	86.776%	1919.906	70216.751	64058.728
σ		3217.488	20225.645	TM 2245249.400	12931.704	1.455%	61.066	1740.760	456.545
%RSD		0.762	1.766	TM 2.190	0.911	1.676	3.181	2.479	0.713

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	17:36:25	484963.700	361421.090	T 7961676.100	167071.270	13127.732	2146.674	19931.297	43084.736
2	17:37:28	475835.630	354298.130	T 7749146.500	162293.910	13115.007	1931.629	19953.680	42027.523
3	17:38:32	481447.020	359684.150	T 7952954.700	166642.390	12780.271	2022.821	19861.935	41931.259
x		480748.780	358467.790	T 7887925.800	165335.850	13007.670	2033.708	19915.637	42347.839
σ		4603.921	3713.998	T 120265.440	2643.119	197.036	107.935	47.836	639.984
%RSD		0.958	1.036	T 1.525	1.599	1.515	5.307	0.240	1.511

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	17:36:25	32569.852	7756.433	1454.279	633.785	87.897%	130878.770	212125.390	38275.548
2	17:37:28	31600.969	7545.144	1426.563	629.066	90.764%	129811.220	211500.390	38552.910
3	17:38:32	32322.838	7561.267	1449.218	655.233	90.839%	131451.170	210715.210	38467.671
x		32164.553	7620.948	1443.353	639.361	89.833%	130713.720	211447.000	38432.043
σ		503.462	117.610	14.759	13.946	1.678%	832.338	706.603	142.072
%RSD		1.565	1.543	1.023	2.181	1.868	0.637	0.334	0.370

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	17:36:25	38673.696	10053.879	24278.629	90.008%	91024.875	68677.142	231254.660	401529.820
2	17:37:28	39060.449	10332.814	24589.452	91.284%	92002.610	69267.497	228451.870	403935.260
3	17:38:32	40390.108	10549.859	25052.096	91.691%	93872.570	70251.123	231630.170	404452.880
x		39374.751	10312.184	24640.059	90.994%	92300.019	69398.588	230445.570	403305.990
σ		900.337	248.633	389.209	0.878%	1446.956	795.137	1736.775	1559.826
%RSD		2.287	2.411	1.580	0.965	1.568	1.146	0.754	0.387

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	17:36:25	59740.783	70538.800	58429.098	145156.780	217284.200	93.664%	0.000	242442.810
2	17:37:28	57909.057	67715.039	55378.637	140933.250	210871.540	96.976%	0.000	234356.950
3	17:38:32	58178.105	68418.857	57289.357	141549.470	216572.250	95.400%	2.096	234693.550
x		58609.315	68890.899	57032.364	142546.500	214909.330	95.347%	0.699	237164.440
σ		989.071	1469.872	1541.383	2281.467	3514.900	1.657%	1.210	4574.305
%RSD		1.688	2.134	2.703	1.601	1.636	1.737	173.205	1.929

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	17:43:59	T 87.910%	265472.380	-23.496	10312.419	T 21499346.000	T 5493602.200	743350.780	833442.300	1387180
2	17:45:03	T 87.337%	266641.870	-20.982	9851.381	T 21536751.000	T 5483921.600	735029.000	831906.980	1384578
3	17:46:06	T 87.200%	264488.310	-38.127	10269.911	T 21517095.000	T 5525894.000	746148.340	821688.850	1392561
x		T 87.482%	265534.180	-27.535	10144.570	T 21517731.000	T 5501139.300	741509.370	829012.710	1388106
σ		T 0.376%	1078.109	9.258	254.797	T 18710.890	T 21977.898	5783.856	6388.932	4071
%RSD		T 0.430	0.406	33.624	2.512	T 0.087	T 0.400	0.780	0.771	0

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53
1	17:43:59	366854.710	1159844.300	T 49403766.000	926558.230	85.299%	3473.067	7834.959	7303.861	10971
2	17:45:03	373753.120	1174854.500	T 50209706.000	933615.640	84.911%	3736.342	7211.295	7503.710	8859
3	17:46:06	376251.900	1208368.500	T 50014280.000	933160.550	84.171%	3659.851	7396.004	7227.212	7634
x		372286.570	1181022.500	T 49875918.000	931111.470	84.793%	3623.087	7480.753	7344.928	9155
σ		4867.224	24843.152	T 420408.270	3949.781	0.573%	135.434	320.353	142.750	1687
%RSD		1.307	2.104	T 0.843	0.424	0.676	3.738	4.282	1.944	18

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	6
1	17:43:59	606805.670	357916.840	T 10142527.000	4560.484	881.203	277.875	4006.092	54436.742	8394
2	17:45:03	613179.670	363957.850	T 10151407.000	4462.868	967.216	324.505	4208.214	55720.917	8480
3	17:46:06	621896.760	365295.020	T 10294997.000	4508.635	885.486	278.622	4211.489	56426.628	8620
x		613960.700	362389.900	T 10196310.000	4510.662	911.302	293.667	4141.932	55528.096	8498
σ		7575.799	3931.059	T 85580.691	48.839	48.471	26.709	117.652	1008.859	113
%RSD		1.234	1.085	T 0.839	1.083	5.319	9.095	2.841	1.817	1

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108M
1	17:43:59	39720.203	2113.415	35.643	38.192	87.544%	2358.281	5925.268	-342.634	-141
2	17:45:03	40686.214	2093.316	99.010	56.214	88.876%	2311.435	5786.621	-353.662	-217
3	17:46:06	41629.510	2145.313	136.965	59.734	89.285%	2236.147	5689.851	-341.496	-189
x		40678.642	2117.348	90.539	51.380	88.568%	2301.954	5800.580	-345.930	-182
σ		954.676	26.221	51.189	11.556	0.911%	61.617	118.328	6.719	38
%RSD		2.347	1.238	56.538	22.492	1.028	2.677	2.040	1.942	20

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	15
1	17:43:59	-310.380	140.717	389.160	88.622%	5688.005	4242.554	41819.570	77742.460	94.3
2	17:45:03	-296.509	240.635	459.373	88.264%	4989.645	3699.533	41994.471	77347.695	92.8
3	17:46:06	-324.709	208.254	401.123	89.933%	4625.799	3446.494	41003.060	77112.269	92.1
x		-310.533	196.535	416.552	88.940%	5101.150	3796.194	41605.700	77400.808	93.1
σ		14.101	50.980	37.564	0.879%	539.810	406.737	529.178	318.435	1.1
%RSD		4.541	25.939	9.018	0.988	10.582	10.714	1.272	0.411	1

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	2
1	17:43:59	1624.159	1812.166	589.294	3425.938	109667.180	93.792%	0.000	19260.867	14935
2	17:45:03	1467.223	1703.683	678.845	3370.696	111129.170	92.670%	0.000	18687.266	15099
3	17:46:06	1367.137	1575.187	647.196	3238.155	110137.180	94.335%	0.000	18260.266	14783
x		1486.173	1697.012	638.445	3344.929	110311.170	93.599%	0.000	18736.133	14939
σ		129.554	118.630	45.412	96.507	746.368	0.849%	0.000	502.087	158
%RSD		8.717	6.991	7.113	2.885	0.677	0.907	0.000	2.680	1

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	17:51:35	T 88.756%	268940.100	3266.618	76142.107	T 36216248.000	T 14192090.000	T 1960076.100	T 2219670.100
2	17:52:38	T 87.624%	266913.670	3525.328	77791.903	T 37477468.000	T 14644755.000	T 2017870.900	T 2271575.300
3	17:53:42	T 87.989%	268017.440	3441.138	77182.285	T 37452778.000	T 14637796.000	T 2032471.600	T 2267432.300
x		T 88.123%	267957.070	3411.028	77038.765	T 37048831.000	T 14491547.000	T 2003472.900	T 2252892.600
σ		T 0.578%	1014.562	131.957	834.210	T 721144.090	T 259360.540	T 38285.151	T 28845.958
%RSD		T 0.656	0.379	3.869	1.083	T 1.946	T 1.790	T 1.911	T 1.280

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	17:51:35	413664.870	1159923.400	TM 60787343.000	1425391.100	85.395%	3520.682	74785.908	67299.019
2	17:52:38	419187.810	1170947.500	TM 62578394.000	1417148.400	86.062%	3479.465	74976.528	67466.689
3	17:53:42	426678.640	1202868.000	TM 62593538.000	1438931.300	85.003%	3454.536	76606.095	68330.676
x		419843.770	1177913.000	TM 61986425.000	1427156.900	85.487%	3484.894	75456.177	67698.795
σ		6531.635	22303.502	TM 1038463.300	10998.262	0.535%	33.405	1000.409	553.610
%RSD		1.556	1.893	TM 1.675	0.771	0.626	0.959	1.326	0.818

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	17:51:35	1006893.700	441852.960	T 16435582.000	166713.100	14354.137	2207.508	21527.557	65271.671
2	17:52:38	1016067.000	446960.120	T 16454796.000	169105.520	14267.920	2319.554	21963.007	66207.454
3	17:53:42	1026808.500	446914.580	T 16763160.000	172263.440	13921.034	2295.958	21758.883	67788.181
x		1016589.700	445242.550	T 16551179.000	169360.690	14181.030	2274.340	21749.816	66422.435
σ		9967.719	2935.562	T 183831.720	2783.951	229.253	59.068	217.866	1271.955
%RSD		0.981	0.659	T 1.111	1.644	1.617	2.597	1.002	1.915

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	17:51:35	48122.518	8930.592	1450.319	628.689	87.485%	134773.360	219992.080	38760.352
2	17:52:38	48419.009	8706.861	1444.664	621.797	89.653%	135113.470	217831.130	39797.874
3	17:53:42	50334.210	9010.003	1493.711	670.676	90.423%	133329.000	215875.460	39542.455
x		48958.579	8882.485	1462.898	640.388	89.187%	134405.280	217899.560	39366.894
σ		1200.520	157.193	26.834	26.456	1.524%	947.471	2059.161	540.582
%RSD		2.452	1.770	1.834	4.131	1.708	0.705	0.945	1.373

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	17:51:35	39648.088	10304.545	25744.568	90.611%	92161.023	69693.927	246014.050	427550.770
2	17:52:38	40232.443	10551.878	25023.707	91.384%	92772.894	69742.927	248104.500	431091.280
3	17:53:42	39572.755	10504.032	25209.450	92.064%	92511.380	69574.308	245225.490	429201.670
x		39817.762	10453.485	25325.908	91.353%	92481.765	69670.387	246448.010	429281.240
σ		361.094	131.186	374.275	0.727%	307.009	86.739	1487.758	1771.597
%RSD		0.907	1.255	1.478	0.796	0.332	0.124	0.604	0.413

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	17:51:35	60939.099	71568.019	59253.423	149155.840	296866.960	94.398%	0.000	222049.210
2	17:52:38	60641.802	71551.042	58512.474	147000.710	289009.300	95.985%	0.000	220331.840
3	17:53:42	60791.849	71320.305	59735.973	152958.260	300295.440	94.229%	0.000	222713.800
x		60790.917	71479.789	59167.290	149704.930	295390.570	94.871%	0.000	221698.280
σ		148.650	138.377	616.281	3016.492	5786.108	0.969%	0.000	1229.143
%RSD		0.245	0.194	1.042	2.015	1.959	1.021	0.000	0.554

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	17:59:11	T 88.896%	270196.540	3444.805	68751.754	T 14355996.000	T 8954434.400	1249376.700	1393984.600	85112
2	18:00:14	T 89.579%	268692.950	3429.286	68623.976	T 14390771.000	T 9073305.500	1258090.700	1425641.900	87332
3	18:01:17	T 90.673%	271984.700	3380.592	68718.714	T 14326832.000	T 9045330.300	1278948.000	1414825.600	88054
x		T 89.716%	270291.400	98.684%	100.587%	T 107.848%	T 9024356.700	103.955%	103.029%	104.
σ		T 0.896%	1647.922	n/a	n/a	T n/a	T 62149.066	n/a	n/a	
%RSD		T 0.999	0.610	0.980	0.097	T 0.223	T 0.689	1.204	1.140	
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**5**
1	17:59:11	4340.524	1199723.300	T 11735805.000	446764.900	85.353%	56.237	69827.230	60837.996	848
2	18:00:14	4151.514	1209225.100	T 11680999.000	447547.610	85.431%	60.868	71101.476	61995.922	692
3	18:01:17	4054.325	1213029.000	T 11621777.000	446183.430	86.295%	67.212	70663.966	61744.390	623
x		4182.121	1207325.800	T 106.364%	103.843%	85.693%	61.439	98.799%	96.727%	721
σ		145.534	6853.189	T n/a	n/a	0.523%	5.509	n/a	n/a	115
%RSD		3.480	0.568	T 0.488	0.153	0.610	8.967	0.918	0.990	1
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	
1	17:59:11	267419.900	108756.410	T 4481799.300	169596.720	12994.307	1936.807	17143.918	18127.297	340
2	18:00:14	264136.250	108164.180	T 4462843.200	171742.170	13315.204	2143.301	17467.241	18279.239	342
3	18:01:17	267207.390	108462.640	T 4496979.000	170181.750	13015.722	2069.528	17098.713	18443.462	327
x		266254.510	100.124%	T 103.498%	93.545%	94.156%	95.076%	94.609%	99.232%	100.
σ		1837.545	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	
%RSD		0.690	0.273	T 0.382	0.650	1.369	5.105	1.166	0.865	
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108**
1	17:59:11	14534.093	7237.177	1401.080	607.475	85.501%	130781.540	212637.860	40734.578	-6
2	18:00:14	14672.734	7182.650	1341.039	595.913	88.072%	133548.200	215694.430	39870.450	-9
3	18:01:17	14591.455	7346.182	1406.048	602.392	88.642%	134752.380	217630.790	40849.815	-5
x		98.145%	97.357%	100.509%	102.860%	87.405%	96.466%	215321.020	96.622%	-6
σ		n/a	n/a	n/a	n/a	1.673%	n/a	2517.323	n/a	2
%RSD		0.477	1.148	2.617	0.963	1.914	1.531	1.169	1.322	3
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**1**
1	17:59:11	41667.576	10621.846	26354.943	87.601%	72952.162	55543.967	211462.050	370574.380	90.
2	18:00:14	40354.435	10657.655	25938.741	90.258%	82673.886	62351.413	206072.740	360879.090	92.
3	18:01:17	41784.914	10878.864	26740.930	90.096%	89473.465	67355.492	207882.670	365746.740	93.
x		97.811%	101.431%	100.733%	89.318%	94.272%	94.639%	95.640%	93.110%	92.
σ		n/a	n/a	n/a	1.489%	n/a	n/a	n/a	n/a	1.
%RSD		1.924	1.299	1.523	1.667	10.164	9.601	1.316	1.325	
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	
1	17:59:11	55907.591	65662.595	57654.119	145642.470	190812.130	93.039%	0.000	195348.820	24250
2	18:00:14	56985.939	66292.451	58735.970	147461.030	192355.320	93.069%	0.000	216524.690	24544
3	18:01:17	56504.466	66744.715	59136.754	149604.750	194556.100	92.534%	0.000	232895.150	25250
x		100.697%	100.914%	99.653%	97.854%	99.550%	92.881%	0.000	214922.890	24681
σ		n/a	n/a	n/a	n/a	n/a	0.301%	0.000	18824.352	514
%RSD		0.957	0.821	1.311	1.344	0.977	0.324	0.000	8.759	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	18:06:47	T 91.270%	272627.530	-43.379	1727.559	388925.540	-133807.180	-32553.103	-41493.813	-13244.829
2	18:07:50	T 90.682%	272590.440	-52.109	1607.375	364288.860	-135416.810	-32766.305	-41793.523	-13578.753
3	18:08:53	T 90.229%	270785.690	-46.539	1652.865	356520.990	-137248.650	-33028.708	-42081.626	-13729.261
x		T 90.727%	272001.220	-47.342	1662.600	369911.790	-135490.880	-32782.705	-41789.654	-13517.614
σ		T 0.522%	1052.843	4.420	60.681	16918.240	1721.930	238.226	293.926	247.936
%RSD		T 0.575	0.387	9.336	3.650	4.574	1.271	0.727	0.703	1.834
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
1	18:06:47	4195.296	1199324.800	271320.480	-5643.953	83.157%	57.723	1878.629	33.771	9284.017
2	18:07:50	4184.757	1211172.900	248506.380	-5873.728	82.984%	57.843	722.576	-11.554	8088.370
3	18:08:53	4073.330	1154262.800	233861.160	-5828.106	83.878%	76.301	684.483	7.563	6848.200
x		4151.128	1188253.500	251229.340	-5781.929	83.340%	63.956	1095.229	9.927	8073.529
σ		67.581	30026.967	18877.526	121.649	0.475%	10.692	678.711	22.754	1217.976
%RSD		1.628	2.527	7.514	2.104	0.569	16.718	61.970	229.223	15.086
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**

1	18:06:47	6343.195	571.187	-84225.530	1865.758	-107.776	52.739	-326.797	-100.175	11.874
2	18:07:50	6252.848	510.325	-84404.332	1801.050	-160.072	77.226	-313.276	-140.272	12.114
3	18:08:53	6145.962	423.047	-89477.531	1807.021	-131.251	60.683	-270.862	-113.121	-27.270
x		6247.335	501.519	-86035.798	1824.610	-133.033	63.549	-303.645	-117.856	-1.094
σ		98.732	74.461	2981.969	35.760	26.194	12.493	29.185	20.463	22.670
%RSD		1.580	14.847	3.466	1.960	19.690	19.659	9.612	17.363	2071.937
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
1	18:06:47	-152.420	-42.282	-47.485	8.635	84.933%	1777.216	4909.240	-330.301	-176.151
2	18:07:50	-94.044	-73.178	-36.498	0.677	85.992%	1593.636	4741.251	-383.142	-188.442
3	18:08:53	-152.229	-72.642	-26.632	-2.722	85.636%	1535.228	4514.202	-389.932	-159.138
x		-132.898	-62.700	-36.872	2.197	85.520%	1635.360	4721.564	-367.792	-174.577
σ		33.648	17.685	10.431	5.829	0.539%	126.275	198.254	32.645	14.715
%RSD		25.319	28.205	28.291	265.345	0.630	7.722	4.199	8.876	8.429
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
1	18:06:47	-334.679	-42.121	-143.083	87.551%	7380.583	5534.938	5123.897	15286.019	89.298%
2	18:07:50	-353.175	-39.308	-140.246	88.325%	6408.428	4890.229	5072.379	15267.585	90.631%
3	18:08:53	-339.584	-72.612	-167.886	88.314%	5799.225	4353.240	5052.015	15215.532	91.415%
x		-342.479	-51.347	-150.405	88.064%	6529.412	4926.136	5082.764	15256.379	90.448%
σ		9.582	18.470	15.205	0.444%	797.591	591.667	37.049	36.555	1.070%
%RSD		2.798	35.970	10.110	0.504	12.215	12.011	0.729	0.240	1.183
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
1	18:06:47	1067.451	1302.941	95.576	1957.436	299.149	91.503%	0.000	20465.561	6800.347
2	18:07:50	889.974	1097.461	48.609	1913.745	133.009	92.694%	0.000	19018.570	6741.187
3	18:08:53	808.849	1003.464	40.484	1914.332	75.042	94.767%	0.000	17749.849	6701.392
x		922.091	1134.622	61.556	1928.504	169.067	92.988%	0.000	19077.993	6747.642
σ		132.259	153.157	29.741	25.057	116.323	1.651%	0.000	1358.831	49.792
%RSD		14.343	13.499	48.315	1.299	68.803	1.776	0.000	7.123	0.738

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26I
1	18:14:24	T 88.166%	272705.820	-34.938	26384.237	T 13420320.000	T 17692606.000	T 2449577.800	T 2759348.9
2	18:15:27	T 88.293%	269496.210	-44.031	27076.384	T 13445492.000	T 17864640.000	T 2454536.100	T 2782709.(
3	18:16:30	T 88.429%	272231.930	-36.136	26527.583	T 13600062.000	T 18065884.000	T 2493278.000	T 2796028.4
x		T 88.296%	271477.990	-38.368	26662.735	T 13488625.000	T 17874377.000	T 2465797.300	T 2779362.1
σ		T 0.132%	1732.551	4.941	365.330	T 97324.755	T 186829.350	T 23927.726	T 18567.3
%RSD		T 0.149	0.638	12.877	1.370	T 0.722	T 1.045	T 0.970	T 0.(
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52**
1	18:14:24	498337.140	1174998.100	TM 96239731.000	TM 3429865.200	82.853%	2945.365	4995.135	9274.(
2	18:15:27	492490.550	1157284.700	TM 96257490.000	TM 3389564.700	84.712%	2956.307	5419.721	9036.8
3	18:16:30	496084.510	1174812.800	TM 96684605.000	TM 3411798.800	84.648%	2970.372	5394.013	9638.3
x		495637.400	1169031.900	TM 96393942.000	TM 3410409.600	84.071%	2957.348	5269.623	9316.(
σ		2948.828	10173.767	TM 251878.360	TM 20186.128	1.055%	12.536	238.061	302.9
%RSD		0.595	0.870	TM 0.261	TM 0.592	1.255	0.424	4.518	3.2
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66**
1	18:14:24	302493.430	M 1571331.900	T 4954811.000	3932.935	655.157	347.923	14836.924	M 143969.(
2	18:15:27	297329.370	M 1546187.900	T 4903020.200	3784.545	564.930	294.884	13859.831	M 142303.9
3	18:16:30	300923.400	M 1561275.300	T 4906668.200	3857.033	461.823	422.802	14107.757	M 143277.4
x		300248.740	M 1559598.400	T 4921499.800	3858.171	560.637	355.203	14268.171	M 143183.(
σ		2647.315	M 12655.604	T 28905.937	74.202	96.738	64.269	507.914	M 836.8
%RSD		0.882	M 0.811	T 0.587	1.923	17.255	18.094	3.560	M 0.5
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107**
1	18:14:24	M 103735.390	528.522	7.188	30.658	87.179%	8537.606	15567.031	-341.2
2	18:15:27	M 103471.570	354.047	95.112	56.902	86.685%	8344.881	15736.133	-350.8
3	18:16:30	M 103199.850	383.097	147.452	69.293	87.659%	7912.090	14995.246	-346.5
x		M 103468.940	421.889	83.250	52.284	87.174%	8264.859	15432.804	-346.2
σ		M 267.780	93.483	70.881	19.727	0.487%	320.344	388.254	4.8
%RSD		M 0.259	22.158	85.141	37.730	0.558	3.876	2.516	1.4
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137**
1	18:14:24	-313.692	123.326	165.541	86.969%	6005.293	4465.133	107756.750	191328.4
2	18:15:27	-311.873	135.715	254.668	87.600%	5340.855	3979.079	107917.520	190582.8
3	18:16:30	-321.209	143.942	260.250	87.915%	4986.529	3754.270	106739.930	191536.5
x		-315.591	134.328	226.820	87.495%	5444.226	4066.160	107471.400	191149.2
σ		4.950	10.378	53.142	0.482%	517.189	363.344	638.552	501.4
%RSD		1.568	7.726	23.429	0.551	9.500	8.936	0.594	0.2
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232**
1	18:14:24	2007.681	2254.322	376.106	2615.912	43777.426	93.289%	0.000	21553.4
2	18:15:27	1783.353	2111.005	356.120	2687.518	44087.820	94.481%	0.000	19348.8
3	18:16:30	1733.038	2017.373	362.531	2733.161	43555.517	93.962%	0.000	18538.2
x		1841.357	2127.566	364.919	2678.864	43806.921	93.911%	0.000	19813.5
σ		146.221	119.340	10.205	59.101	267.374	0.598%	0.000	1560.3
%RSD		7.941	5.609	2.796	2.206	0.610	0.637	0.000	7.8

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	18:22:00	T 89.501%	269236.690	-50.919	1420.477	T 35591628.000	T 7832195.500	1080935.200	1210512.900
2	18:23:03	T 89.919%	272013.540	-47.613	1345.503	T 35986552.000	T 7929159.800	1095587.000	1220995.200
3	18:24:06	T 90.939%	271700.380	-46.626	1398.102	T 36543629.000	T 7935996.600	1095842.300	1213671.600
x		T 90.120%	270983.540	-48.386	1388.027	T 36040603.000	T 7899117.300	1090788.200	1215059.900
σ		T 0.739%	1520.898	2.248	38.489	T 478296.490	T 58056.689	8533.905	5377.307
%RSD		T 0.821	0.561	4.646	2.773	T 1.327	T 0.735	0.782	0.443
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**
1	18:22:00	T 7689060.000	1148869.800	TM 75629813.000	TM 9349176.300	83.442%	18481.117	2421.596	11207.974
2	18:23:03	T 7815663.300	1146781.800	TM 77371541.000	TM 9435253.100	83.700%	18371.653	2424.115	11580.852
3	18:24:06	T 7666862.200	1126373.000	TM 77717305.000	TM 9352925.000	86.464%	18254.558	3229.600	11093.289
x		T 7723861.800	1140674.900	TM 76906220.000	TM 9379118.100	84.535%	18369.110	2691.770	11294.038
σ		T 80273.358	12429.691	TM 1118837.800	TM 48650.387	1.675%	113.301	465.776	254.921
%RSD		T 1.039	1.090	TM 1.455	TM 0.519	1.982	0.617	17.304	2.257
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**

1	18:22:00	66194.972	110224.070	891757.180	2438.032	-2049.857	198.317	3688.938	M 175873.310
2	18:23:03	67175.873	112696.800	898958.890	2318.641	-2031.619	225.975	3741.363	M 178411.460
3	18:24:06	64525.721	110058.420	878309.890	2323.990	-1810.380	221.454	3783.131	M 174321.660
x		65965.522	110993.100	889675.320	2360.221	-1963.952	215.249	3737.811	M 176202.140
σ		1339.893	1477.775	10480.742	67.439	133.309	14.836	47.197	M 2064.630
%RSD		2.031	1.331	1.178	2.857	6.788	6.893	1.263	M 1.172

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	18:22:00	M 126338.460	269.405	265.528	136.530	86.582%	1689.162	4621.185	-407.871
2	18:23:03	M 127051.250	181.778	205.683	122.262	88.976%	1700.798	4698.481	-399.357
3	18:24:06	M 123153.470	240.648	270.299	132.927	87.763%	1637.067	4714.090	-384.125
x		M 125514.390	230.610	247.170	130.573	87.774%	1675.676	4677.918	-397.118
σ		M 2075.453	44.668	36.008	7.419	1.197%	33.939	49.749	12.031
%RSD		M 1.654	19.369	14.568	5.682	1.364	2.025	1.063	3.029

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	18:22:00	-345.754	-41.568	-209.453	86.611%	4048.251	2999.293	16507.389	34471.130
2	18:23:03	-353.675	-53.433	-217.845	90.137%	3949.067	2922.620	16121.122	34278.196
3	18:24:06	-358.293	-44.894	-193.850	90.955%	3887.023	2888.500	15908.148	33564.899
x		-352.574	-46.632	-207.049	89.234%	3961.447	2936.805	16178.886	34104.742
σ		6.341	6.121	12.177	2.309%	81.324	56.742	303.768	477.366
%RSD		1.799	13.126	5.881	2.587	2.053	1.932	1.878	1.400

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	18:22:00	1326.640	1611.354	20.102	1901.639	2116.329	93.487%	2.139	15177.118
2	18:23:03	1415.665	1613.031	16.004	1869.996	1987.736	93.145%	0.000	14957.371
3	18:24:06	1194.668	1352.022	26.344	1873.457	2058.479	93.762%	2.133	14899.067
x		1312.324	1525.469	20.816	1881.697	2054.181	93.464%	1.424	15011.185
σ		111.192	150.212	5.207	17.356	64.404	0.309%	1.233	146.629
%RSD		8.473	9.847	25.014	0.922	3.135	0.331	86.603	0.977

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	18:29:34	T 90.681%	270707.410	-38.875	1071.342	T 16523915.000	T 5317404.900	722725.180	811077.320	5
2	18:30:37	T 90.755%	273237.430	-47.706	1109.456	T 16620853.000	T 5335694.400	719521.870	801324.290	4
3	18:31:41	T 91.199%	273975.140	-40.078	1071.505	T 16754567.000	T 5409483.900	732139.890	822329.890	6
x		T 90.878%	272640.000	-42.220	1084.101	T 16633111.000	T 5354194.400	724795.650	811577.170	5
σ		T 0.280%	1713.834	4.789	21.958	T 115813.920	T 48747.578	6558.864	10511.715	
%RSD		T 0.308	0.629	11.343	2.025	T 0.696	T 0.910	0.905	1.295	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	18:29:34	T 2356969.400	1090826.600	TM 88990509.000	159662.280	85.626%	5759.137	4414.986	6410.547	12
2	18:30:37	2427891.600	1073437.900	TM 89643867.000	159140.140	87.142%	5654.394	3222.542	6406.524	10
3	18:31:41	2520206.100	1092412.300	TM 90172800.000	158263.400	86.577%	5834.572	2674.938	6854.739	8
x		T 2435022.400	1085558.900	TM 89602392.000	159021.940	86.448%	5749.368	3437.489	6557.270	10
σ		T 81851.630	10527.007	TM 592235.760	706.894	0.766%	90.486	889.715	257.624	1
%RSD		T 3.361	0.970	TM 0.661	0.445	0.886	1.574	25.883	3.929	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	18:29:34	20255.889	11790.254	33788.292	1809.307	383.491	168.858	1874.533	M 127508.370	M 19
2	18:30:37	20552.820	11531.846	31271.616	1853.138	379.833	188.865	1693.140	M 124082.330	M 18
3	18:31:41	20605.771	12110.840	34410.678	1814.929	291.522	147.068	1703.977	M 126788.270	M 19
x		20471.493	11810.980	33156.862	1825.792	351.615	168.264	1757.217	M 126126.320	M 19
σ		188.587	290.053	1662.064	23.849	52.074	20.905	101.743	M 1806.396	M
%RSD		0.921	2.456	5.013	1.306	14.810	12.424	5.790	M 1.432	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	1
1	18:29:34	M 91050.331	225.322	217.342	98.614	88.161%	1232.796	4044.929	-406.046	
2	18:30:37	M 89038.587	235.304	220.920	113.881	88.490%	1245.621	4046.031	-410.493	
3	18:31:41	M 90111.199	230.464	261.900	122.464	88.297%	1200.780	4017.269	-412.768	
x		M 90066.706	230.363	233.387	111.653	88.316%	1226.399	4036.076	-409.769	
σ		M 1006.610	4.992	24.757	12.080	0.166%	23.095	16.297	3.419	
%RSD		M 1.118	2.167	10.608	10.819	0.188	1.883	0.404	0.834	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	18:29:34	-371.446	-72.256	-266.391	90.400%	3813.630	2834.000	5184.152	15489.131	9
2	18:30:37	-375.878	-66.228	-352.240	90.700%	3771.074	2794.779	5236.233	15480.868	9
3	18:31:41	-375.913	-66.856	-383.214	92.160%	3754.111	2768.101	5248.740	15453.582	9
x		-374.412	-68.447	-333.948	91.087%	3779.605	2798.960	5223.042	15474.527	9
σ		2.569	3.314	60.521	0.941%	30.663	33.148	34.255	18.603	
%RSD		0.686	4.841	18.123	1.034	0.811	1.184	0.656	0.120	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	18:29:34	1082.398	1186.773	7.138	1884.094	560.636	93.782%	0.000	14758.158	6
2	18:30:37	1061.991	1196.148	17.767	1856.296	580.988	93.845%	0.000	14710.896	6
3	18:31:41	870.489	1110.409	12.033	1890.340	641.421	92.480%	0.000	14690.295	6
x		1004.959	1164.443	12.312	1876.910	594.348	93.369%	0.000	14719.783	6
σ		116.901	47.029	5.320	18.123	42.017	0.770%	0.000	34.793	
%RSD		11.632	4.039	43.207	0.966	7.069	0.825	0.000	0.236	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	18:37:08	T 89.761%	271704.500	-44.254	1030.641	T 20117277.000	T 5816226.900	792246.220	878305.580	
2	18:38:12	T 89.901%	272631.650	-49.836	1118.979	T 20547658.000	T 5884438.500	797297.160	896194.330	
3	18:39:15	T 89.788%	273274.520	-49.826	1039.006	T 20473384.000	T 5973984.700	815522.260	912211.530	
x		T 89.817%	272536.890	-47.972	1062.875	T 20379440.000	T 5891550.000	801688.550	895570.480	
σ		T 0.074%	789.289	3.220	48.767	T 230056.660	T 79118.949	12243.640	16961.585	
%RSD		T 0.083	0.290	6.713	4.588	T 1.129	T 1.343	1.527	1.894	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	18:37:08	T 3065021.400	1068065.000	TM 102488130.000	971547.900	84.332%	7394.706	4997.737	5172.158	1
2	18:38:12	T 3123307.900	1091893.300	TM 105983640.000	972738.650	84.137%	7518.962	2662.772	5165.931	1
3	18:39:15	T 3065960.600	1075123.400	TM 105620040.000	958634.770	85.676%	7612.752	2992.874	5095.549	
x		T 3084763.300	1078360.600	TM 104697270.000	967640.440	84.715%	7508.806	3551.128	5144.546	1
σ		T 33383.933	12239.530	TM 1921790.800	7821.833	0.838%	109.377	1263.626	42.547	
%RSD		T 1.082	1.135	TM 1.836	0.808	0.989	1.457	35.584	0.827	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	18:37:08	21721.581	21455.522	48449.094	1834.851	-119.179	171.109	1845.579	M 145797.830	M 2
2	18:38:12	22247.405	21537.117	52184.685	1842.319	-158.162	88.616	2061.518	M 145199.080	M 2
3	18:39:15	21648.141	20969.301	47697.805	1837.250	-162.204	119.659	2040.952	M 143551.250	M 2
x		21872.376	21320.647	49443.861	1838.140	-146.515	126.461	1982.683	M 144849.390	M 2
σ		326.854	306.997	2403.163	3.813	23.760	41.665	119.180	M 1163.402	
%RSD		1.494	1.440	4.860	0.207	16.217	32.947	6.011	M 0.803	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	18:37:08	M 102655.560	231.336	237.749	103.032	85.766%	1200.995	3974.319	-414.814
2	18:38:12	M 104412.290	264.403	274.071	115.223	85.942%	1205.310	3987.791	-405.817
3	18:39:15	M 101411.160	242.706	263.994	114.812	88.120%	1217.000	3981.522	-410.355
x		M 102826.340	246.148	258.605	111.022	86.609%	1207.768	3981.211	-410.328
σ		M 1507.834	16.800	18.751	6.923	1.311%	8.281	6.741	4.499
%RSD		M 1.466	6.825	7.251	6.236	1.514	0.686	0.169	1.096

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	18:37:08	-373.494	-81.044	-414.130	87.171%	3754.592	2783.427	6795.195	17969.819
2	18:38:12	-378.083	-61.107	-214.552	88.564%	3722.965	2749.910	6831.351	18004.286
3	18:39:15	-375.832	-72.407	-339.319	88.845%	3708.016	2745.309	6701.492	17924.933
x		-375.803	-71.520	-322.667	88.193%	3728.524	2759.549	6776.013	17966.346
σ		2.294	9.998	100.825	0.897%	23.781	20.807	67.021	39.790
%RSD		0.611	13.980	31.248	1.017	0.638	0.754	0.989	0.221

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	18:37:08	972.328	1195.709	23.423	1891.802	720.342	91.542%	0.000	14690.934
2	18:38:12	1052.534	1138.830	1.129	1896.437	639.599	92.723%	0.000	14658.815
3	18:39:15	1077.781	1201.403	18.082	1850.535	651.524	89.382%	0.000	14606.540
x		1034.214	1178.647	14.211	1879.591	670.489	91.216%	0.000	14652.096
σ		55.062	34.600	11.640	25.270	43.584	1.694%	0.000	42.596
%RSD		5.324	2.936	81.904	1.344	6.500	1.857	0.000	0.291

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26M
1	18:44:43	T 87.316%	266571.860	-43.879	897.186	T 39774217.000	T 8946649.700	1240604.500	1403491.40
2	18:45:47	T 88.088%	267140.180	-50.811	807.110	T 39814797.000	T 8940763.800	1247404.300	1402775.90
3	18:46:50	T 87.563%	266728.350	-42.776	915.163	T 40578854.000	T 9145100.900	1280156.800	1418182.20
x		T 87.656%	266813.460	-45.822	873.153	T 40055956.000	T 9010838.100	1256055.200	1408149.80
σ		T 0.394%	293.566	4.356	57.897	T 453297.270	T 116312.190	21147.699	8695.69
%RSD		T 0.450	0.110	9.506	6.631	T 1.132	T 1.291	1.684	0.61
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52C**
1	18:44:43	T 10351946.000	1058658.800	TM 77241600.000	TM 14210765.000	81.174%	24695.312	3620.076	31757.15
2	18:45:47	T 10428501.000	1077703.800	TM 78274897.000	TM 14133819.000	82.134%	24836.157	1244.306	31155.23
3	18:46:50	T 10285604.000	1054666.300	TM 78309683.000	TM 14199373.000	83.637%	24284.264	2824.470	30520.58
x		T 10355350.000	1063676.300	TM 77942060.000	TM 14181319.000	82.315%	24605.244	2562.950	31144.32
σ		T 71509.311	12311.099	TM 606865.580	TM 41528.460	1.242%	286.759	1209.283	618.35
%RSD		T 0.691	1.157	TM 0.779	TM 0.293	1.508	1.165	47.183	1.98
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Z**
1	18:44:43	63793.121	135653.120	810811.950	2478.646	-975.947	646.150	2558.898	M 247964.94
2	18:45:47	63226.456	135890.440	817775.260	2488.911	-1131.714	595.649	2309.884	M 242378.38
3	18:46:50	63606.911	136076.600	797095.010	2496.076	-973.875	517.993	2666.037	M 242040.34
x		63542.163	135873.390	808560.740	2487.877	-1027.178	586.597	2511.606	M 244127.88
σ		288.828	212.253	10522.318	8.761	90.536	64.556	182.726	M 3327.28
%RSD		0.455	0.156	1.301	0.352	8.814	11.005	7.275	M 1.36
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107A**
1	18:44:43	M 175683.070	231.026	256.485	108.705	83.829%	2027.975	5225.370	-398.50
2	18:45:47	M 170805.220	267.605	264.647	124.920	83.589%	1968.601	5356.467	-391.16
3	18:46:50	M 171278.520	228.156	250.412	114.261	84.775%	1988.584	5220.524	-391.64
x		M 172588.940	242.262	257.181	115.962	84.064%	1995.053	5267.454	-393.77
σ		M 2690.027	21.994	7.143	8.240	0.627%	30.211	77.126	4.11
%RSD		M 1.559	9.079	2.777	7.106	0.746	1.514	1.464	1.04
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137B**
1	18:44:43	-368.783	-57.866	-201.890	86.026%	3726.612	2763.396	27209.183	52765.82
2	18:45:47	-356.855	-65.833	-269.865	84.794%	3701.876	2750.310	27755.200	53627.33
3	18:46:50	-361.877	-53.458	-214.680	86.388%	3710.536	2717.236	27410.619	53081.77
x		-362.505	-59.052	-228.812	85.736%	3713.008	2743.647	27458.334	53158.30
σ		5.989	6.272	36.124	0.836%	12.552	23.790	276.118	435.82
%RSD		1.652	10.622	15.787	0.975	0.338	0.867	1.006	0.82
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232T**
1	18:44:43	1295.417	1362.718	-1.982	1830.592	3427.616	89.172%	0.000	14643.38
2	18:45:47	1294.725	1458.699	14.364	1845.371	3586.706	87.966%	2.274	14599.42
3	18:46:50	1309.035	1333.725	3.063	1852.386	3544.830	87.803%	0.000	14647.99
x		1299.725	1385.048	5.148	1842.783	3519.717	88.314%	0.758	14630.26
σ		8.069	65.411	8.370	11.125	82.464	0.748%	1.313	26.81
%RSD		0.621	4.723	162.578	0.604	2.343	0.847	173.205	0.18

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	18:52:18	T 87.926%	265550.610	-43.974	1185.513	T 33141236.000	T 8046271.600	1113406.100	1238616.700
2	18:53:22	T 87.845%	266135.340	-50.792	1164.587	T 33477269.000	T 8140138.300	1126831.800	1252909.700
3	18:54:25	T 88.665%	263331.440	-48.600	1049.137	T 32982577.000	T 8117055.200	1134550.200	1262270.900
x		T 88.145%	265005.800	-47.789	1133.079	T 33200361.000	T 8101155.000	1124929.400	1251265.700
σ		T 0.452%	1479.217	3.480	73.445	T 252590.070	T 48911.630	10699.663	11912.462
%RSD		T 0.513	0.558	7.283	6.482	T 0.761	T 0.604	0.951	0.952
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**
1	18:52:18	T 8349288.400	1018796.700	TM 79557646.000	TM 10694449.000	80.021%	18953.254	4076.075	17724.174
2	18:53:22	T 8170648.500	1005104.800	TM 80495748.000	TM 10721873.000	82.058%	19666.931	1404.521	17685.320
3	18:54:25	T 8400763.100	1057290.600	TM 81744830.000	TM 10693016.000	81.852%	19711.541	2898.146	18115.070
x		T 8306900.000	1027064.000	TM 80599408.000	TM 10703113.000	81.310%	19443.909	2792.914	17841.521
σ		T 120771.510	27057.353	TM 1097270.400	TM 16262.841	1.121%	425.505	1338.883	237.696
%RSD		T 1.454	2.634	TM 1.361	TM 0.152	1.379	2.188	47.939	1.332
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**

1	18:52:18	52767.935	130226.250	598747.700	2182.564	-1659.006	312.435	2698.105	M 199848.370
2	18:53:22	51424.080	127494.400	588746.750	2177.654	-1829.407	369.639	2551.892	M 195833.910
3	18:54:25	52358.078	131410.500	591829.590	2200.873	-1699.477	414.887	2729.565	M 199211.060
x		52183.364	129710.380	593108.010	2187.031	-1729.297	365.654	2659.854	M 198297.780
σ		688.753	2008.367	5121.576	12.237	89.028	51.342	94.812	M 2157.434
%RSD		1.320	1.548	0.864	0.560	5.148	14.041	3.565	M 1.088

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	18:52:18	M 143447.120	246.891	166.767	89.629	83.471%	1629.665	4757.291	-386.738
2	18:53:22	M 140848.970	193.473	238.984	111.781	83.320%	1537.118	4598.300	-398.697
3	18:54:25	M 141182.270	218.766	222.594	104.360	84.122%	1608.419	4628.104	-400.820
x		M 141826.120	219.710	209.448	101.923	83.638%	1591.734	4661.232	-395.418
σ		M 1413.683	26.722	37.861	11.275	0.426%	48.477	84.514	7.592
%RSD		M 0.997	12.162	18.076	11.062	0.510	3.046	1.813	1.920

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	18:52:18	-364.066	-72.767	-197.132	85.610%	3692.527	2734.167	21576.251	43427.768
2	18:53:22	-357.371	-109.916	-324.993	86.906%	3679.019	2703.969	21793.677	43765.313
3	18:54:25	-359.468	-67.106	-285.777	85.954%	3671.205	2713.525	21537.624	43349.008
x		-360.302	-83.263	-269.301	86.157%	3680.917	2717.220	21635.851	43514.029
σ		3.424	23.255	65.504	0.671%	10.787	15.434	138.039	221.152
%RSD		0.950	27.930	24.324	0.779	0.293	0.568	0.638	0.508

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	18:52:18	1052.848	1207.891	27.966	1852.774	2309.127	91.283%	0.000	14609.064
2	18:53:22	1135.323	1155.234	21.806	1840.322	2383.947	90.599%	0.000	14579.024
3	18:54:25	967.026	1213.644	16.735	1852.396	2148.612	87.795%	0.000	14597.916
x		1051.732	1192.256	22.169	1848.497	2280.562	89.892%	0.000	14595.335
σ		84.154	32.191	5.624	7.082	120.240	1.848%	0.000	15.185
%RSD		8.001	2.700	25.370	0.383	5.272	2.056	0.000	0.104

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26M
1	18:59:53	T 87.673%	263907.800	-49.638	776.075	T 36833744.000	T 9199566.700	1282260.600	1441417.70
2	19:00:56	T 88.238%	266617.160	-44.023	595.771	T 37193261.000	T 9221030.100	1303895.000	1443242.10
3	19:02:00	T 88.068%	265678.260	-41.725	748.437	T 37719426.000	T 9335436.100	1309617.200	1456540.40
x		T 87.993%	265401.070	-45.129	706.761	T 37248810.000	T 9252011.000	1298590.900	1447066.70
σ		T 0.290%	1375.784	4.071	97.108	T 445446.470	T 73041.008	14429.026	8254.99
%RSD		T 0.329	0.518	9.020	13.740	T 1.196	T 0.789	1.111	0.57

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52C
1	18:59:53	T 10387460.000	1029556.800	TM 76866920.000	TM 14116535.000	78.726%	24459.935	3982.669	23599.49
2	19:00:56	T 10208113.000	1017989.900	TM 75874769.000	TM 13923943.000	80.622%	24822.031	2416.503	23455.37
3	19:02:00	T 10208863.000	1026447.400	TM 77837274.000	TM 14007087.000	81.166%	23818.496	3425.186	23654.58
x		T 10268145.000	1024664.700	TM 76859654.000	TM 14015855.000	80.171%	24366.821	3274.786	23569.82
σ		T 103330.170	5985.986	TM 981272.950	TM 96595.034	1.281%	508.206	793.841	102.86
%RSD		T 1.006	0.584	TM 1.277	TM 0.689	1.598	2.086	24.241	0.43

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Z
1	18:59:53	64463.021	167696.510	816298.540	2310.071	-2226.514	464.566	2950.059	M 276147.21
2	19:00:56	62387.297	164957.050	798350.070	2419.538	-2033.728	460.451	2826.657	M 267694.86
3	19:02:00	62607.093	165607.110	807139.910	2335.793	-1985.199	505.761	2877.206	M 263158.58
x		63152.471	166086.890	807262.840	2355.134	-2081.814	476.926	2884.641	M 269000.22
σ		1140.279	1431.364	8974.866	57.239	127.642	25.056	62.036	M 6591.97
%RSD		1.806	0.862	1.112	2.430	6.131	5.254	2.151	M 2.45

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107A
1	18:59:53	M 194994.750	238.153	224.415	103.095	82.795%	1825.358	5019.305	-400.51
2	19:00:56	M 192630.470	333.299	207.375	117.511	83.232%	1878.882	5070.230	-400.98
3	19:02:00	M 188587.160	204.477	235.335	112.388	82.228%	1862.427	5140.065	-395.81
x		M 192070.790	258.643	222.375	110.998	82.752%	1855.556	5076.533	-399.10
σ		M 3240.256	66.810	14.091	7.308	0.504%	27.416	60.626	2.85
%RSD		M 1.687	25.831	6.337	6.584	0.608	1.477	1.194	0.71

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137B
1	18:59:53	-359.121	-54.715	-294.586	84.382%	3671.428	2725.559	21887.335	44720.92
2	19:00:56	-366.564	-102.436	-227.398	86.812%	3680.846	2705.029	21715.019	43556.21
3	19:02:00	-349.691	-33.972	-269.733	84.531%	3650.035	2688.623	22388.280	44834.60
x		-358.459	-63.707	-263.906	85.242%	3667.436	2706.404	21996.878	44370.58
σ		8.456	35.107	33.971	1.362%	15.789	18.506	349.742	707.55
%RSD		2.359	55.107	12.873	1.598	0.431	0.684	1.590	1.59

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232T
1	18:59:53	1128.160	1255.216	25.608	1851.972	3014.533	88.151%	0.000	14589.50
2	19:00:56	1129.685	1190.272	17.818	1872.267	2716.365	89.844%	0.000	14571.06
3	19:02:00	1168.981	1281.312	23.782	1893.946	3049.536	87.468%	0.000	14542.23
x		1142.275	1242.267	22.403	1872.729	2926.811	88.487%	0.000	14567.60
σ		23.140	46.881	4.074	20.991	183.091	1.223%	0.000	23.82
%RSD		2.026	3.774	18.185	1.121	6.256	1.382	0.000	0.16

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	19:07:28	T 88.845%	269100.750	-47.492	498.220	T 16463360.000	T 5779011.300	787823.670	871081.890	234
2	19:08:31	T 89.339%	269953.480	-47.548	464.010	T 16829697.000	T 5931366.200	812622.130	903708.170	239
3	19:09:35	T 89.893%	270740.370	-52.060	504.989	T 16698827.000	T 5932798.100	810521.930	901594.790	238
x		T 89.359%	269931.530	-49.034	489.073	T 16663961.000	T 5881058.500	803655.910	892128.280	237
σ		T 0.524%	820.030	2.621	21.968	T 185640.640	T 88378.358	13751.278	18257.313	2
%RSD		T 0.587	0.304	5.346	4.492	T 1.114	T 1.503	1.711	2.046	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	19:07:28	T 3155708.600	1019650.500	TM 90536198.000	1229051.200	78.496%	7307.141	4052.726	6105.765	107
2	19:08:31	T 3119972.300	1014188.500	TM 91235430.000	1238800.900	80.642%	7341.018	2093.754	6254.835	95
3	19:09:35	T 3126976.400	1019021.500	TM 91231224.000	1252192.900	80.868%	7335.373	2290.716	5971.276	86
x		T 3134219.100	1017620.100	TM 91000951.000	1240015.000	80.002%	7327.844	2812.399	6110.625	96
σ		T 18937.096	2988.517	TM 402493.310	11618.513	1.309%	18.150	1078.660	141.842	10
%RSD		T 0.604	0.294	TM 0.442	0.937	1.636	0.248	38.354	2.321	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	

1	19:07:28	18669.692	12765.582	-182.884	1827.772	-38.151	99.406	1231.245	74582.307	112
2	19:08:31	18053.753	12552.132	-5852.529	1794.349	-80.913	147.800	1319.870	70880.318	106
3	19:09:35	18377.544	12476.652	-464.643	1806.424	-55.771	231.108	1328.148	71920.156	109
x		18366.996	12598.122	-2166.685	1809.515	-58.279	159.438	1293.088	72460.927	109
σ		308.105	149.854	3195.142	16.924	21.491	66.618	53.717	1909.321	2
%RSD		1.677	1.189	147.467	0.935	36.876	41.783	4.154	2.635	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	10
1	19:07:28	52720.782	94.890	209.576	79.440	81.848%	1169.824	3978.487	-409.951	-1
2	19:08:31	51850.228	214.844	180.089	120.529	83.326%	1184.242	3976.553	-405.382	-1
3	19:09:35	50951.515	242.393	225.497	125.337	82.885%	1194.686	3980.256	-410.065	-1
x		51840.842	184.042	205.054	108.435	82.686%	1182.917	3978.432	-408.466	-1
σ		884.671	78.427	23.039	25.226	0.759%	12.484	1.852	2.671	
%RSD		1.707	42.614	11.236	23.263	0.918	1.055	0.047	0.654	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	19:07:28	-368.540	-64.222	-344.009	83.834%	3640.943	2682.876	6160.797	16993.089	89
2	19:08:31	-366.357	-86.516	-394.728	85.284%	3632.129	2679.191	6078.889	17099.793	89
3	19:09:35	-363.996	-83.108	-447.308	85.189%	3612.107	2675.315	6129.483	16928.387	89
x		-366.298	-77.949	-395.348	84.769%	3628.393	2679.127	6123.056	17007.089	89
σ		2.272	12.009	51.652	0.811%	14.777	3.781	41.330	86.556	0
%RSD		0.620	15.406	13.065	0.957	0.407	0.141	0.675	0.509	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	19:07:28	638.392	795.069	4.519	1885.832	826.565	89.708%	0.000	14415.559	65
2	19:08:31	696.903	757.844	9.007	1881.467	787.603	89.645%	0.000	14460.331	65
3	19:09:35	690.774	722.210	25.836	1856.931	865.640	87.811%	0.000	14468.013	65
x		675.357	758.374	13.121	1874.744	826.603	89.055%	0.000	14447.968	65
σ		32.159	36.432	11.238	15.580	39.018	1.077%	0.000	28.328	
%RSD		4.762	4.804	85.652	0.831	4.720	1.210	0.000	0.196	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	19:15:03	T 90.233%	271370.750	-48.756	156.365	T 3690533.500	1060343.100	128047.040	136688.760	-5759.146
2	19:16:07	T 91.058%	272178.360	-48.837	154.015	T 3690754.600	1049189.800	126097.350	134920.780	-6784.750
3	19:17:10	T 90.126%	267317.270	-48.746	122.027	T 3710433.200	1073632.000	130188.320	139419.530	-6705.644
x		T 90.473%	270288.800	-48.780	144.136	T 3697240.400	1061055.000	128110.900	137009.690	-6416.513
σ		T 0.510%	2604.904	0.050	19.183	T 11425.773	12236.668	2046.231	2266.483	570.669
%RSD		T 0.564	0.964	0.102	13.309	T 0.309	1.153	1.597	1.654	8.894

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	19:15:03	649448.960	1051647.200	T 18885375.000	239383.640	78.445%	1723.629	2142.781	2062.562	11891.126
2	19:16:07	627772.850	1021182.100	T 18662998.000	230222.200	81.604%	1529.433	2553.348	1158.249	9696.009
3	19:17:10	627488.490	1022692.700	T 18999340.000	233384.000	81.678%	1721.523	1790.353	1080.062	8718.077
x		634903.430	1031840.700	T 18849238.000	234329.950	80.576%	1658.195	2162.161	1433.624	10101.737
σ		12597.596	17169.588	T 171058.000	4653.398	1.846%	111.516	381.867	546.077	1624.968
%RSD		1.984	1.664	T 0.908	1.986	2.291	6.725	17.661	38.091	16.086

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
1	19:15:03	8552.489	3114.577	-83540.435	1728.428	-65.688	61.313	41.900	15632.858	2357.013
2	19:16:07	8388.381	3122.320	-89744.662	1746.554	-139.542	105.279	-112.409	15106.271	2345.093
3	19:17:10	8088.368	2903.693	-89924.437	1736.708	-82.665	109.962	-179.357	14925.152	2360.027
x		8343.079	3046.863	-87736.511	1737.230	-95.965	92.185	-83.289	15221.427	2354.044
σ		235.353	124.050	3635.021	9.074	38.682	26.838	113.466	367.638	7.897
%RSD		2.821	4.071	4.143	0.522	40.308	29.114	136.232	2.415	0.335

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	19:15:03	11433.729	-76.536	-10.669	21.282	84.303%	1120.833	3845.631	-412.436	-175.657
2	19:16:07	10744.663	-43.615	59.632	10.357	81.783%	1138.138	3834.393	-417.108	-155.726
3	19:17:10	10558.122	-90.136	8.860	2.096	83.667%	1104.750	3820.184	-405.486	-140.204
x		10912.171	-70.096	19.274	11.245	83.251%	1121.240	3833.403	-411.677	-157.196
σ		461.211	23.920	36.289	9.624	1.310%	16.698	12.752	5.848	17.772
%RSD		4.227	34.125	188.278	85.583	1.574	1.489	0.333	1.420	11.306

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	19:15:03	-373.410	-63.113	-202.069	85.611%	3577.586	2645.391	5203.057	15474.925	89.075%
2	19:16:07	-375.729	-77.960	-208.154	84.971%	3559.012	2643.792	5223.947	15445.615	89.543%
3	19:17:10	-375.758	-97.940	-295.175	86.047%	3570.589	2678.745	5220.266	15432.958	89.242%
x		-374.966	-79.671	-235.132	85.543%	3569.062	2655.976	5215.756	15451.166	89.286%
σ		1.347	17.477	52.087	0.541%	9.381	19.734	11.151	21.527	0.237%
%RSD		0.359	21.936	22.152	0.633	0.263	0.743	0.214	0.139	0.265

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	19:15:03	367.046	356.161	-2.177	1838.991	92.801	89.730%	0.000	14263.939	6575.475
2	19:16:07	314.301	370.389	30.710	1816.118	53.664	90.495%	0.000	14309.823	6586.412
3	19:17:10	339.662	335.487	-6.392	1848.817	88.108	88.923%	0.000	14293.744	6573.347
x		340.336	354.013	7.380	1834.642	78.191	89.716%	0.000	14289.169	6578.411
σ		26.379	17.550	20.314	16.778	21.370	0.786%	0.000	23.282	7.010
%RSD		7.751	4.957	275.254	0.915	27.331	0.876	0.000	0.163	0.107

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26M
1	19:22:39	T 86.984%	261614.930	3196.361	66492.826	T 29313690.000	T 14105746.000	T 1966996.700	T 2171346.50
2	19:23:45	T 88.048%	264298.920	3119.539	66362.666	T 29328962.000	T 13960073.000	T 1937128.300	T 2167483.60
3	19:24:49	T 85.468%	257578.080	3323.142	67246.746	T 30156594.000	T 14480373.000	T 2008291.100	T 2246508.30
x		T 86.833%	261163.980	3213.014	66700.746	T 29599749.000	T 14182064.000	T 1970805.400	T 2195112.80
σ		T 1.297%	3383.035	102.818	477.307	T 482302.710	T 268414.610	T 35733.957	T 44551.70
%RSD		T 1.493	1.295	3.200	0.716	T 1.629	T 1.893	T 1.813	T 2.03

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52C
1	19:22:39	T 3083280.100	1054024.700	TM 98692403.000	1691076.400	76.855%	7533.487	73572.826	65434.49
2	19:23:45	T 3092959.800	1068731.300	TM 95914796.000	1707147.500	75.802%	7815.017	73512.243	66290.47
3	19:24:49	T 3074365.200	1064797.400	TM 100928310.000	1703650.900	77.012%	7505.091	70921.880	64749.50
x		T 3083535.000	1062517.800	TM 98511837.000	1700624.900	76.556%	7617.865	72668.983	65491.49
σ		T 9299.946	7613.703	TM 2511630.900	8452.056	0.658%	171.328	1513.339	772.06
%RSD		T 0.302	0.717	TM 2.550	0.497	0.860	2.249	2.083	1.17

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Z

1	19:22:39	277750.860	123204.390	T 4556939.600	163750.950	12330.089	2027.660	18142.228	90038.35
2	19:23:45	280634.180	124575.870	T 4583285.400	167751.370	12666.667	2226.557	18329.269	91572.49
3	19:24:49	275402.220	122188.270	T 4516503.400	162245.480	12716.961	2132.338	18160.252	90155.43
x		277929.090	123322.840	T 4552242.800	164582.600	12571.239	2128.852	18210.583	90588.75
σ		2620.529	1198.199	T 33637.838	2845.602	210.351	99.494	103.180	853.94
%RSD		0.943	0.972	T 0.739	1.729	1.673	4.674	0.567	0.94

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107A
1	19:22:39	66007.384	6934.545	1429.604	663.205	80.345%	130662.920	212475.070	38251.89
2	19:23:45	67041.322	7155.834	1537.787	687.460	79.995%	131131.280	213171.650	38320.03
3	19:24:49	65900.319	7113.828	1591.653	687.156	79.245%	134644.950	220023.430	38095.00
x		66316.342	7068.069	1519.681	679.273	79.862%	132146.380	215223.380	38222.30
σ		630.129	117.527	82.528	13.917	0.562%	2176.459	4171.530	115.39
%RSD		0.950	1.663	5.431	2.049	0.704	1.647	1.938	0.30

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137B
1	19:22:39	39830.664	10627.900	24879.700	84.348%	91836.858	68677.224	205267.210	359277.35
2	19:23:45	39391.035	10405.805	25032.169	83.831%	93721.789	70881.129	206867.910	358088.35
3	19:24:49	39629.557	10223.664	25159.060	83.347%	96057.623	71247.719	208306.390	363927.42
x		39617.086	10419.123	25023.643	83.842%	93872.090	70268.690	206813.840	360431.04
σ		220.080	202.447	139.875	0.501%	2114.393	1390.386	1520.309	3085.76
%RSD		0.556	1.943	0.559	0.597	2.252	1.979	0.735	0.85

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232T
1	19:22:39	59021.405	68570.995	57995.479	146255.280	193326.670	88.374%	0.000	243328.87
2	19:23:45	60198.354	70289.664	58332.803	148933.160	192855.470	87.008%	0.000	246376.77
3	19:24:49	58930.310	69154.278	58654.594	148826.670	191187.600	86.380%	0.000	243544.19
x		59383.356	69338.312	58327.626	148005.040	192456.580	87.254%	0.000	244416.61
σ		707.277	873.989	329.588	1516.270	1123.937	1.019%	0.000	1700.96
%RSD		1.191	1.260	0.565	1.024	0.584	1.168	0.000	0.69

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	19:30:17	T 89.057%	266934.260	3383.440	66509.977	T 13942315.000	T 8576212.100	1179786.500	1313472.700	89079
2	19:31:21	T 89.149%	266633.630	3331.655	68215.949	T 14050997.000	T 8702622.000	1201191.600	1331222.200	87809
3	19:32:24	T 89.165%	265258.260	3274.965	67912.499	T 14121558.000	T 8699351.700	1212561.400	1341816.700	89570
x		T 89.124%	266275.380	96.137%	98.900%	T 105.447%	T 8659395.300	98.659%	96.997%	107.
σ		T 0.058%	893.588	n/a	n/a	T n/a	T 72057.302	n/a	n/a	
%RSD		T 0.065	0.336	1.629	1.347	T 0.643	T 0.832	1.389	1.078	
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**5**
1	19:30:17	6889.108	1075371.300	T 11185098.000	455793.780	78.088%	166.479	72981.631	61889.065	1582
2	19:31:21	6320.897	1071320.000	T 11179477.000	461391.710	79.124%	139.022	73621.070	61421.875	1310
3	19:32:24	5979.934	1080767.600	T 11314501.000	462487.940	79.219%	121.184	72493.917	61164.316	1214
x		6396.646	1075819.600	T 102.237%	106.878%	78.811%	142.229	102.303%	96.673%	1368
σ		459.296	4739.725	T n/a	n/a	0.627%	22.817	n/a	n/a	191
%RSD		7.180	0.441	T 0.680	0.781	0.796	16.043	0.774	0.597	1
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	
1	19:30:17	272305.390	110918.880	T 4594559.600	171030.150	13089.208	2193.348	17041.535	18383.950	335
2	19:31:21	269040.060	110376.190	T 4590759.200	168958.900	13043.634	2112.329	17025.127	18281.309	336
3	19:32:24	270917.830	109403.180	T 4587548.600	170301.750	12988.649	2129.856	17362.683	18308.284	328
x		270754.430	101.760%	T 106.049%	93.320%	93.668%	99.496%	94.095%	99.456%	99.
σ		1638.788	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	
%RSD		0.605	0.697	T 0.076	0.618	0.386	1.987	1.110	0.290	
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108**
1	19:30:17	15044.367	7254.501	1457.840	620.251	79.376%	136393.230	220810.180	40838.325	-14
2	19:31:21	14778.758	7475.117	1478.342	631.384	79.961%	137630.510	223699.000	40910.301	-8
3	19:32:24	15104.476	7214.423	1417.140	600.377	81.839%	137064.480	223121.710	40229.947	-11
x		100.676%	98.154%	105.480%	105.493%	80.392%	99.368%	222543.630	97.039%	-11
σ		n/a	n/a	n/a	n/a	1.287%	n/a	1528.710	n/a	3
%RSD		1.157	1.919	2.147	2.544	1.601	0.452	0.687	0.919	2
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**1**
1	19:30:17	42260.457	11286.311	27208.991	82.738%	77802.933	57790.813	215196.630	380018.810	87.
2	19:31:21	42057.493	11084.293	26371.723	84.430%	87850.615	65608.997	214283.400	376787.240	88.
3	19:32:24	41108.017	10977.862	26626.576	85.666%	90973.714	68373.215	210569.290	371970.470	88.
x		99.090%	105.185%	102.228%	84.278%	98.706%	97.971%	97.877%	95.789%	88.
σ		n/a	n/a	n/a	1.470%	n/a	n/a	n/a	n/a	0.
%RSD		1.471	1.409	1.605	1.744	8.045	8.586	1.149	1.076	
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	
1	19:30:17	57080.995	67763.059	59803.838	150568.950	197882.270	87.629%	0.000	200845.280	24724
2	19:31:21	57180.217	67822.764	60173.921	151182.460	197310.860	88.561%	0.000	220521.370	24817
3	19:32:24	58088.039	67924.886	61152.952	154010.980	201136.020	86.059%	0.000	235528.430	25625
x		102.452%	103.358%	102.835%	100.740%	102.756%	87.416%	0.000	218965.030	25056
σ		n/a	n/a	n/a	n/a	n/a	1.265%	0.000	17393.873	495
%RSD		0.966	0.121	1.155	1.208	1.038	1.447	0.000	7.944	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	19:37:54	T 90.912%	270760.970	-48.823	1187.533	442460.920	-134217.300	-32523.927	-41401.971	-13717.741
2	19:38:57	T 89.919%	272170.120	-42.053	1007.359	435722.080	-134702.960	-32410.093	-41569.251	-13851.084
3	19:40:01	T 90.217%	268775.330	-49.863	872.687	412268.510	-136395.220	-32842.289	-41943.964	-14202.743
x		T 90.349%	270568.810	-46.913	1022.526	430150.510	-135105.160	-32592.103	-41638.395	-13923.856
σ		T 0.509%	1705.534	4.241	157.970	15848.575	1143.308	224.019	277.533	250.557
%RSD		T 0.564	0.630	9.040	15.449	3.684	0.846	0.687	0.667	1.799
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
1	19:37:54	5565.403	1081279.300	375081.240	-4826.574	77.461%	121.352	3206.245	267.158	16403.508
2	19:38:57	5237.503	1096274.100	359457.880	-5012.055	77.344%	98.263	3784.437	13.571	12791.335
3	19:40:01	4911.759	1083339.000	339603.630	-5484.335	78.115%	130.578	3520.533	46.218	10942.703
x		5238.222	1086964.100	358047.580	-5107.655	77.640%	116.731	3503.739	108.982	13379.182
σ		326.822	8128.212	17780.799	339.141	0.415%	16.646	289.462	137.953	2777.458
%RSD		6.239	0.748	4.966	6.640	0.535	14.260	8.262	126.583	20.760
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**

1	19:37:54	5881.465	423.119	-91839.822	1821.864	-86.265	136.070	-365.354	-114.386	43.600
2	19:38:57	6009.585	483.682	-89999.296	1829.821	-145.488	71.828	-322.971	-157.735	23.135
3	19:40:01	5953.775	481.124	-93529.828	1810.521	-142.231	92.856	-363.247	-161.109	73.093
x		5948.275	462.642	-91789.649	1820.735	-124.661	100.251	-350.524	-144.410	46.609
σ		64.237	34.252	1765.801	9.699	33.292	32.753	23.885	26.056	25.114
%RSD		1.080	7.404	1.924	0.533	26.706	32.671	6.814	18.043	53.882

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	19:37:54	-76.871	13.287	-25.100	-11.509	80.162%	1791.421	4799.520	-351.269	-160.209
2	19:38:57	-141.019	-56.504	-11.825	-5.667	80.319%	1580.767	4545.922	-378.430	-147.582
3	19:40:01	-123.163	62.221	0.449	0.525	79.240%	1532.659	4466.101	-375.975	-158.968
x		-113.684	6.335	-12.159	-5.550	79.907%	1634.949	4603.847	-368.558	-155.587
σ		33.108	59.667	12.778	6.018	0.583%	137.627	174.093	15.023	6.960
%RSD		29.123	941.921	105.094	108.418	0.729	8.418	3.781	4.076	4.473

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	19:37:54	-343.944	-68.427	-182.151	82.018%	7641.922	5718.164	5100.418	15340.038	86.768%
2	19:38:57	-332.152	-73.680	-182.212	82.734%	6640.587	4924.967	5096.524	15247.575	86.587%
3	19:40:01	-346.628	-74.580	-178.186	82.659%	5957.817	4462.938	5043.444	15274.424	85.971%
x		-340.908	-72.229	-180.850	82.471%	6746.775	5035.356	5080.128	15287.346	86.442%
σ		7.701	3.323	2.307	0.393%	847.059	634.852	31.829	47.566	0.418%
%RSD		2.259	4.601	1.275	0.477	12.555	12.608	0.627	0.311	0.483

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	19:37:54	936.480	1064.087	36.770	1989.746	57.836	88.379%	0.000	20535.279	6799.716
2	19:38:57	829.646	1091.534	45.608	1932.670	84.652	88.619%	0.000	19059.443	6771.992
3	19:40:01	776.682	905.632	21.014	1917.593	-60.843	88.243%	0.000	17982.711	6711.690
x		847.603	1020.418	34.464	1946.670	27.215	88.414%	0.000	19192.478	6761.133
σ		81.398	100.350	12.459	38.060	77.430	0.190%	0.000	1281.474	45.007
%RSD		9.603	9.834	36.149	1.955	284.516	0.215	0.000	6.677	0.666

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	19:45:31	T 89.113%	266526.560	-47.523	974.585	T 16255564.000	T 5360139.900	716851.340	806875.290	-480
2	19:46:34	T 89.644%	266662.460	-43.120	905.895	T 16345575.000	T 5375460.500	727053.640	809140.010	-477
3	19:47:37	T 89.609%	266497.730	-46.463	725.742	T 16570258.000	T 5433382.100	735443.550	821370.900	-490
x		T 89.456%	266562.250	-45.702	868.740	T 16390466.000	T 5389660.800	726449.510	812462.070	-482
σ		T 0.297%	87.972	2.298	128.515	T 162078.630	T 38630.825	9310.819	7797.933	6
%RSD		T 0.332	0.033	5.028	14.793	T 0.989	T 0.717	1.282	0.960	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	5
1	19:45:31	2601520.800	1072043.500	TM 88066305.000	133102.860	76.238%	5877.765	5931.488	5420.931	1860
2	19:46:34	T 2482115.600	1036436.800	TM 88275605.000	130731.920	78.048%	5967.104	3874.289	5040.898	1371
3	19:47:37	2603307.900	1048886.200	TM 89956137.000	132074.240	78.497%	5897.277	4114.752	4869.228	1094
x		T 2562314.800	1052455.500	TM 88766016.000	131969.670	77.594%	5914.048	4640.176	5110.352	1442
σ		T 69460.307	18069.690	TM 1035974.700	1188.920	1.196%	46.972	1124.754	282.333	388
%RSD		T 2.711	1.717	TM 1.167	0.901	1.541	0.794	24.239	5.525	2

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	19:45:31	19138.275	6816.731	23770.509	1831.846	175.674	182.351	1542.276	M 92406.966	1411
2	19:46:34	18620.089	6415.960	15283.477	1784.998	139.490	144.301	1395.457	90109.929	1409
3	19:47:37	18283.964	6369.919	9733.664	1787.004	176.830	119.787	1302.572	90838.148	1394
x		18680.776	6534.203	16262.550	1801.283	163.998	148.813	1413.435	M 91118.348	1404
σ		430.377	245.756	7069.455	26.488	21.232	31.525	120.859	M 1173.874	9
%RSD		2.304	3.761	43.471	1.470	12.947	21.185	8.551	M 1.288	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108
1	19:45:31	65022.379	160.691	162.552	99.501	80.726%	1369.898	4279.197	-397.724	-11
2	19:46:34	65193.180	139.538	230.628	98.711	80.859%	1309.982	4164.514	-393.235	-14
3	19:47:37	64594.956	92.794	213.729	136.917	80.356%	1254.454	4122.406	-407.374	-16
x		64936.838	131.008	202.303	111.710	80.647%	1311.445	4188.706	-399.444	-14
σ		308.149	34.743	35.447	21.834	0.261%	57.736	81.146	7.225	2
%RSD		0.475	26.520	17.522	19.545	0.323	4.402	1.937	1.809	1

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	1
1	19:45:31	-365.968	-121.525	-354.417	82.543%	5614.267	4159.770	5101.757	15240.901	88.
2	19:46:34	-373.308	-80.542	-252.615	83.777%	4853.884	3597.330	5037.152	15184.703	88.
3	19:47:37	-368.348	-49.578	-292.373	82.184%	4541.217	3343.807	5029.500	15183.584	87.
x		-369.208	-83.881	-299.801	82.834%	5003.122	3700.302	5056.136	15203.062	88.
σ		3.745	36.090	51.306	0.836%	551.872	417.614	39.693	32.774	0.
%RSD		1.014	43.025	17.113	1.009	11.031	11.286	0.785	0.216	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	19:45:31	1681.883	1842.824	11.460	1879.889	311.542	89.203%	0.000	18758.458	663
2	19:46:34	1357.083	1464.065	9.869	1865.977	243.208	87.859%	0.000	16580.603	661
3	19:47:37	1232.439	1384.502	20.909	1881.071	233.935	88.413%	0.000	15810.024	658
x		1423.802	1563.797	14.079	1875.646	262.895	88.492%	0.000	17049.695	661
σ		232.031	244.897	5.968	8.394	42.384	0.675%	0.000	1529.167	2
%RSD		16.297	15.660	42.389	0.448	16.122	0.763	0.000	8.969	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	19:53:06	T 87.300%	263203.820	3118.106	65268.847	T 30857524.000	T 13925571.000	T 1926516.700	T 2132626.800
2	19:54:10	T 87.006%	262030.650	3164.476	65795.227	T 30732537.000	T 13864357.000	T 1941920.800	T 2142999.800
3	19:55:13	T 87.267%	262096.510	3032.209	66290.622	T 30826878.000	T 14036080.000	T 1945268.600	T 2148281.000
x		T 87.191%	262443.660	3104.930	65784.899	T 30805646.000	T 13942003.000	T 1937902.000	T 2141302.500
σ		T 0.161%	659.141	67.111	510.966	T 65142.334	T 87032.358	T 10001.087	T 7963.936
%RSD		T 0.185	0.251	2.161	0.777	T 0.211	T 0.624	T 0.516	T 0.372

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	19:53:06	2653301.400	1050047.900	TM 101685710.000	601569.390	77.263%	6255.622	72770.329	62598.396
2	19:54:10	2681149.200	1062854.100	TM 103859280.000	609252.320	77.222%	6290.003	70396.380	61983.593
3	19:55:13	2704827.100	1074533.300	TM 104450140.000	596744.130	78.045%	6169.873	69276.319	61764.482
x		2679759.200	1062478.400	TM 103331710.000	602521.950	77.510%	6238.499	70814.343	62115.490
σ		25790.987	12247.052	TM 1455770.800	6308.267	0.464%	61.868	1784.110	432.320
%RSD		0.962	1.153	TM 1.409	1.047	0.598	0.992	2.519	0.696

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	19:53:06	266962.180	111516.230	T 4414000.400	157492.670	12188.007	2049.903	18009.794	M 116991.890
2	19:54:10	270507.050	111773.660	T 4463942.400	161123.110	12064.341	2045.868	17721.473	M 116938.150
3	19:55:13	267244.000	111102.320	T 4380293.400	157645.660	12164.162	2171.573	18286.187	M 116757.860
x		268237.740	111464.070	T 4419412.100	158753.810	12138.837	2089.114	18005.818	M 116895.970
σ		1970.325	338.697	T 42086.272	2053.293	65.607	71.440	282.378	M 122.587
%RSD		0.735	0.304	T 0.952	1.293	0.540	3.420	1.568	M 0.105

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	19:53:06	M 85780.021	6730.311	1517.107	681.117	80.674%	131392.470	214696.090	39417.525
2	19:54:10	M 85261.763	6909.477	1676.381	724.281	79.106%	133045.870	215301.160	39333.776
3	19:55:13	M 85185.006	7129.448	1712.807	737.141	79.672%	133766.010	214327.000	39627.977
x		M 85408.930	6923.079	1635.432	714.180	79.818%	132734.790	214774.750	39459.759
σ		M 323.657	199.916	104.078	29.346	0.794%	1216.965	491.824	151.579
%RSD		M 0.379	2.888	6.364	4.109	0.995	0.917	0.229	0.384

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	19:53:06	40310.432	10218.108	25286.597	82.278%	97427.003	72942.134	208032.290	365430.750
2	19:54:10	40114.272	10333.174	25209.717	83.112%	96762.440	72299.509	204852.620	362290.650
3	19:55:13	40441.512	10109.969	25081.407	82.938%	97119.959	72179.749	207540.140	359891.160
x		40288.739	10220.417	25192.574	82.776%	97103.134	72473.798	206808.350	362537.520
σ		164.695	111.620	103.664	0.440%	332.601	409.988	1711.495	2778.035
%RSD		0.409	1.092	0.411	0.532	0.343	0.566	0.828	0.766

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	19:53:06	60284.842	71334.684	59544.071	148016.690	191210.960	87.312%	0.000	239310.880
2	19:54:10	60808.510	69681.217	58052.240	145566.650	189266.850	87.522%	0.000	236511.260
3	19:55:13	59625.824	69674.583	58157.048	149864.000	192917.900	85.146%	0.000	239138.840
x		60239.725	70230.161	58584.453	147815.780	191131.910	86.660%	0.000	238320.330
σ		592.633	956.550	832.704	2155.705	1826.806	1.316%	0.000	1569.059
%RSD		0.984	1.362	1.421	1.458	0.956	1.518	0.000	0.658

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	20:00:43	T 88.775%	267556.150	-41.852	1256.370	T 15648190.000	T 4996355.200	671712.090	739211.180	88
2	20:01:46	T 90.053%	268379.900	-40.966	1004.616	T 15504025.000	T 4980405.700	665491.150	732010.230	93
3	20:02:49	T 88.780%	267840.330	-49.738	1051.216	T 15828158.000	T 5034018.900	669818.060	736027.460	88
x		T 89.203%	267925.460	-44.185	1104.067	T 15660124.000	T 5003593.300	669007.100	735749.620	90
σ		T 0.737%	418.423	4.829	133.940	T 162395.390	T 27529.706	3188.775	3608.504	2
%RSD		T 0.826	0.156	10.929	12.131	T 1.037	T 0.550	0.477	0.490	

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	
1	20:00:43	2555163.900	1031036.800	TM 78452992.000	562080.450	77.679%	5840.876	4744.657	7544.568	163
2	20:01:46	2537948.000	1033233.600	TM 76895002.000	557478.310	77.869%	5975.699	2765.012	7443.232	125
3	20:02:49	2554169.300	1048296.200	TM 79750777.000	559839.110	78.690%	5605.607	4062.321	7323.433	98
x		2549093.800	1037522.200	TM 78366257.000	559799.290	78.079%	5807.394	3857.330	7437.077	129
σ		9665.278	9394.998	TM 1429861.500	2301.330	0.538%	187.304	1005.617	110.696	32
%RSD		0.379	0.906	TM 1.825	0.411	0.689	3.225	26.070	1.488	

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	
1	20:00:43	24675.396	11822.975	105580.610	1880.714	289.082	191.961	1425.007	M 130295.770	M 193
2	20:01:46	24042.858	12359.124	101299.960	1893.092	261.890	209.151	3253.415	M 130348.260	M 194
3	20:02:49	24389.143	12023.433	101522.730	1840.140	289.949	144.583	1375.640	M 130419.390	M 202
x		24369.133	12068.511	102801.100	1871.315	280.307	181.898	2018.021	M 130354.470	M 196
σ		316.743	270.903	2409.700	27.699	15.955	33.439	1070.167	M 62.044	M 4
%RSD		1.300	2.245	2.344	1.480	5.692	18.384	53.031	M 0.048	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	10
1	20:00:43	M 94101.149	117.013	247.860	91.310	78.696%	1320.071	4244.967	-395.322	-1
2	20:01:46	M 93371.333	179.572	219.414	113.562	79.102%	1361.591	4163.959	-390.303	-1
3	20:02:49	M 92553.407	104.301	233.875	111.558	80.293%	1309.428	4177.515	-402.408	-1
x		M 93341.963	133.629	233.716	105.476	79.364%	1330.363	4195.480	-396.011	-1
σ		M 774.289	40.293	14.224	12.310	0.830%	27.563	43.390	6.081	
%RSD		M 0.830	30.153	6.086	11.671	1.046	2.072	1.034	1.536	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	20:00:43	-353.877	-58.528	-231.962	82.624%	3996.704	2938.846	5745.499	16470.422	85
2	20:01:46	-353.715	-127.484	-471.183	82.076%	3909.005	2863.285	5724.135	16421.800	87
3	20:02:49	-353.582	-79.549	-391.782	81.631%	3831.463	2833.976	5708.862	16272.772	85
x		-353.725	-88.520	-364.976	82.111%	3912.391	2878.702	5726.165	16388.331	86
σ		0.147	35.343	121.843	0.497%	82.673	54.108	18.403	102.988	1
%RSD		0.042	39.926	33.384	0.605	2.113	1.880	0.321	0.628	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	20:00:43	1018.209	1023.902	58.051	1916.405	832.353	85.309%	0.000	15838.065	67
2	20:01:46	939.223	1010.568	15.123	1925.458	797.837	86.589%	0.000	15351.850	66
3	20:02:49	847.326	990.925	22.932	1916.547	599.132	85.237%	0.000	15018.106	66
x		934.919	1008.465	32.035	1919.470	743.107	85.712%	0.000	15402.674	66
σ		85.523	16.589	22.866	5.186	125.875	0.761%	0.000	412.336	
%RSD		9.148	1.645	71.378	0.270	16.939	0.888	0.000	2.677	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	20:08:19	T 92.538%	273365.190	-50.058	719.735	271923.810	-139264.370	-33269.740	-42278.980	-11343.028
2	20:09:22	T 92.399%	276299.940	-46.800	722.062	257162.930	-140619.380	-33514.864	-42593.082	-11792.216
3	20:10:26	T 92.738%	277120.350	-42.526	688.351	233510.270	-141178.300	-33664.657	-42812.368	-11932.696
x		T 92.559%	275595.160	-46.461	710.049	254199.000	-140354.020	-33483.087	-42561.477	-11689.313
σ		T 0.170%	1974.297	3.777	18.828	19377.529	984.173	199.367	268.095	308.008
%RSD		T 0.184	0.716	8.130	2.652	7.623	0.701	0.595	0.630	2.635

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	20:08:19	8306.752	1017869.100	509492.230	-4494.743	78.567%	239.290	3546.855	1308.671	15268.767
2	20:09:22	7891.205	980858.460	482561.460	-4716.598	81.994%	170.746	4110.503	1146.342	11080.715
3	20:10:26	7602.647	1001732.200	454068.120	-4631.218	80.683%	171.040	2273.951	1295.970	9667.737
x		7933.535	1000153.300	482040.600	-4614.186	80.415%	193.692	3310.436	1250.328	12005.740
σ		353.956	18555.781	27715.725	111.904	1.729%	39.489	940.825	90.278	2912.840
%RSD		4.462	1.855	5.750	2.425	2.150	20.388	28.420	7.220	24.262

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn

1	20:08:19	24910.283	2042.421	103280.190	1753.825	-52.283	122.108	-407.823	817.083	150.992
2	20:09:22	24082.871	2037.445	94451.915	1736.529	-101.627	91.954	-419.256	725.308	150.109
3	20:10:26	24372.560	2005.903	100844.790	1724.888	-62.535	95.599	-411.790	747.779	183.976
x		24455.238	2028.590	99525.633	1738.414	-72.148	103.220	-412.956	763.390	161.692
σ		419.856	19.804	4559.577	14.560	26.039	16.459	5.805	47.838	19.303
%RSD		1.717	0.976	4.581	0.838	36.091	15.945	1.406	6.266	11.938

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	20:08:19	575.283	-15.728	-29.593	8.062	82.886%	1134.359	3912.689	-407.626	-156.838
2	20:09:22	519.574	-72.573	-3.195	0.387	82.838%	1132.002	3895.891	-405.583	-124.519
3	20:10:26	447.864	-79.101	-43.283	0.292	85.289%	1115.156	3905.312	-407.836	-141.513
x		514.240	-55.800	-25.357	2.914	83.671%	1127.172	3904.631	-407.015	-140.957
σ		63.877	34.857	20.377	4.459	1.402%	10.473	8.420	1.245	16.167
%RSD		12.422	62.468	80.359	153.042	1.675	0.929	0.216	0.306	11.469

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	20:08:19	-366.230	-76.818	-356.385	84.368%	3719.110	2750.001	4981.876	15095.635	89.389%
2	20:09:22	-361.948	-111.057	-415.070	86.767%	3688.557	2724.228	4971.214	15069.701	89.884%
3	20:10:26	-378.083	-92.025	-302.984	86.283%	3671.641	2720.885	4989.990	15081.731	91.358%
x		-368.753	-93.300	-358.146	85.806%	3693.103	2731.705	4981.027	15082.356	90.210%
σ		8.358	17.155	56.064	1.268%	24.059	15.933	9.417	12.978	1.024%
%RSD		2.267	18.387	15.654	1.478	0.651	0.583	0.189	0.086	1.135

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	20:08:19	753.211	778.104	-6.750	1829.722	-146.610	90.116%	0.000	14616.557	6599.830
2	20:09:22	785.247	772.076	3.771	1808.798	-142.471	91.515%	0.000	14614.586	6588.327
3	20:10:26	682.306	732.554	-2.951	1841.072	-109.488	92.012%	0.000	14575.400	6577.317
x		740.255	760.911	-1.977	1826.530	-132.856	91.214%	0.000	14602.181	6588.491
σ		52.679	24.742	5.327	16.372	20.343	0.983%	0.000	23.214	11.258
%RSD		7.116	3.252	269.492	0.896	15.312	1.078	0.000	0.159	0.171

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	20:15:53	T 94.003%	282984.930	-45.921	523.223	215930.440	-142307.660	-33678.431	-42924.831	-13377.127
2	20:16:57	T 93.990%	280373.860	-45.919	470.209	208863.680	-142281.430	-33840.063	-42831.105	-13488.223
3	20:18:00	T 94.551%	277338.870	-49.161	399.024	182050.270	-142743.960	-33779.760	-42860.937	-13275.127
x		T 94.182%	280232.550	-47.000	464.152	202281.460	-142444.350	-33766.084	-42872.291	-13380.159
σ		T 0.320%	2825.681	1.872	62.321	17873.466	259.803	81.679	47.883	106.581
%RSD		T 0.340	1.008	3.982	13.427	8.836	0.182	0.242	0.112	0.797

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53Cl O
1	20:15:53	6940.660	986690.090	345895.280	-5425.717	81.430%	171.929	4459.227	1306.119	15289.714
2	20:16:57	6774.522	989338.500	336198.360	-5251.298	80.916%	237.286	3223.713	1342.764	11679.870
3	20:18:00	6829.666	993336.800	325244.700	-4991.674	81.288%	201.754	1655.064	1187.701	9940.844
x		6848.283	989788.460	335779.440	-5222.896	81.211%	203.656	3112.668	1278.862	12303.476
σ		84.619	3346.121	10331.663	218.411	0.265%	32.720	1405.376	81.046	2728.418
%RSD		1.236	0.338	3.077	4.182	0.327	16.066	45.150	6.337	22.176

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	67Zn
1	20:15:53	12451.975	1387.877	-111155.190	1717.201	-67.633	115.614	-289.745	716.667	181.340
2	20:16:57	12506.547	1413.397	-109484.670	1727.260	-80.666	107.303	-383.908	546.428	165.848
3	20:18:00	12551.319	1366.203	-110511.400	1729.551	-72.073	98.824	-362.268	615.440	162.154
x		12503.280	1389.159	-110383.750	1724.671	-73.458	107.247	-345.307	626.179	169.781
σ		49.752	23.623	842.546	6.569	6.626	8.395	49.320	85.626	10.180
%RSD		0.398	1.701	0.763	0.381	9.020	7.828	14.283	13.674	5.996

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	20:15:53	469.501	-6.667	-39.482	9.400	83.878%	1106.960	3853.350	-410.152	-157.403
2	20:16:57	363.836	2.750	-30.570	5.048	83.235%	1100.304	3830.242	-410.156	-159.008
3	20:18:00	461.188	-82.191	-42.688	-4.327	84.946%	1089.579	3828.306	-403.402	-150.513
x		431.508	-28.703	-37.580	3.374	84.020%	1098.948	3837.299	-407.904	-155.641
σ		58.753	46.561	6.279	7.015	0.864%	8.769	13.934	3.898	4.513
%RSD		13.616	162.218	16.707	207.930	1.028	0.798	0.363	0.956	2.900

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	20:15:53	-375.764	-69.464	-337.037	86.264%	3659.858	2710.483	4966.819	15086.388	90.973%
2	20:16:57	-371.131	-72.530	-403.073	86.311%	3651.650	2690.482	4976.067	15058.529	91.357%
3	20:18:00	-368.946	-85.572	-445.029	87.555%	3667.045	2685.207	4970.841	15041.584	92.083%
x		-371.947	-75.855	-395.046	86.710%	3659.518	2695.391	4971.242	15062.167	91.471%
σ		3.482	8.553	54.441	0.732%	7.703	13.334	4.637	22.622	0.564%
%RSD		0.936	11.276	13.781	0.844	0.211	0.495	0.093	0.150	0.616

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	20:15:53	634.183	728.690	-7.312	1814.954	-157.667	92.058%	0.000	14555.660	6577.309
2	20:16:57	706.394	647.175	-7.374	1810.457	-118.223	92.281%	0.000	14504.956	6570.771
3	20:18:00	651.688	681.852	-14.214	1815.758	-156.915	93.907%	0.000	14486.923	6568.491
x		664.088	685.906	-9.633	1813.723	-144.269	92.749%	0.000	14515.846	6572.190
σ		37.668	40.908	3.967	2.857	22.559	1.009%	0.000	35.639	4.577
%RSD		5.672	5.964	41.181	0.158	15.637	1.088	0.000	0.246	0.070

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	20:23:28	T 88.103%	263677.250	-44.002	627.478	T 26891803.000	T 7700341.300	1063938.000	1185528.800
2	20:24:31	T 89.413%	270530.250	-40.846	592.693	T 26832174.000	T 7652892.700	1058460.200	1174236.000
3	20:25:35	T 87.790%	261174.540	-39.397	564.309	T 27110289.000	T 7759130.700	1066572.000	1179625.000
x		T 88.435%	265127.350	-41.415	594.827	T 26944755.000	T 7704121.600	1062990.100	1179796.600
σ		T 0.861%	4843.492	2.354	31.638	T 146423.720	T 53219.804	4138.155	5648.378
%RSD		T 0.974	1.827	5.685	5.319	T 0.543	T 0.691	0.389	0.479

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	20:23:28	T 8529215.800	1027773.500	TM 71557216.000	TM 10043630.000	75.178%	20187.600	6283.871	35592.826
2	20:24:31	T 8572956.700	1032935.500	TM 71570715.000	TM 10067864.000	75.440%	19761.674	4593.096	36259.701
3	20:25:35	T 8497438.900	1004234.500	TM 73072105.000	TM 10065771.000	75.696%	19996.466	2822.371	36347.047
x		T 8533203.800	1021647.800	TM 72066679.000	TM 10059089.000	75.438%	19981.913	4566.446	36066.525
σ		T 37916.522	15299.659	TM 870751.300	TM 13428.268	0.259%	213.335	1730.904	412.553
%RSD		T 0.444	1.498	TM 1.208	TM 0.133	0.343	1.068	37.905	1.144

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	20:23:28	134470.720	167354.710	2230016.500	2964.558	320.510	649.712	8525.573	M 323489.780
2	20:24:31	136448.020	167229.620	2226018.600	2862.033	402.182	596.622	8439.328	M 327587.290
3	20:25:35	135581.120	167404.520	2213473.100	2889.774	364.768	676.065	8695.484	M 327189.650
x		135499.960	167329.620	2223169.400	2905.455	362.487	640.800	8553.462	M 326088.910
σ		991.144	90.107	8631.918	53.031	40.884	40.464	130.335	M 2259.674
%RSD		0.731	0.054	0.388	1.825	11.279	6.315	1.524	M 0.693

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	20:23:28	M 234394.030	458.499	402.405	233.701	81.066%	1704.034	4896.198	342.241
2	20:24:31	M 233843.710	488.218	425.809	208.089	82.717%	1741.476	4904.452	264.016
3	20:25:35	M 231660.690	486.768	435.172	230.964	81.971%	1703.975	4961.457	329.328
x		M 233299.480	477.828	421.129	224.252	81.918%	1716.495	4920.703	311.861
σ		M 1445.661	16.755	16.877	14.064	0.826%	21.634	35.535	41.936
%RSD		M 0.620	3.507	4.008	6.271	1.009	1.260	0.722	13.447

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	20:23:28	246.539	1040.575	2463.702	81.652%	3766.709	2799.375	26466.307	51960.585
2	20:24:31	290.877	1027.757	2366.945	82.220%	3746.736	2773.023	26819.624	52749.848
3	20:25:35	344.117	1032.848	2325.208	82.528%	3740.895	2763.564	26640.626	52292.511
x		293.845	1033.727	2385.285	82.133%	3751.447	2778.654	26642.186	52334.314
σ		48.857	6.454	71.045	0.445%	13.537	18.558	176.664	396.288
%RSD		16.627	0.624	2.978	0.541	0.361	0.668	0.663	0.757

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	20:23:28	1429.464	1582.690	102.266	2131.166	58060.269	85.516%	0.000	15581.477
2	20:24:31	1368.803	1534.450	143.196	2155.804	58020.466	87.214%	2.293	15403.239
3	20:25:35	1383.557	1497.087	120.271	2114.013	58854.865	84.607%	0.000	15447.367
x		1393.941	1538.075	121.911	2133.661	58311.867	85.779%	0.764	15477.361
σ		31.636	42.916	20.514	21.007	470.671	1.323%	1.324	92.827
%RSD		2.270	2.790	16.827	0.985	0.807	1.543	173.205	0.600

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	20:31:03	T 89.527%	270052.350	-40.868	31533.389	T 8752024.100	T 9137074.400	1271116.500	1416623.100
2	20:32:06	T 89.862%	272038.260	-47.607	31352.705	T 8690578.000	T 9152671.300	1267676.600	1419939.900
3	20:33:10	T 89.903%	269067.790	-43.162	31241.967	T 8634142.500	T 9120716.900	1268752.400	1417252.400
x		T 89.764%	270386.140	-43.879	31376.020	T 8692248.200	T 9136820.900	1269181.800	1417938.500
σ		T 0.206%	1513.103	3.426	147.104	T 58958.533	T 15978.684	1759.697	1761.622
%RSD		T 0.229	0.560	7.809	0.469	T 0.678	T 0.175	0.139	0.124

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	20:31:03	732318.850	1004450.600	TM 59952331.000	TM 3898990.400	77.794%	2437.459	5751.037	10994.975
2	20:32:06	734804.290	1016896.000	TM 60075263.000	TM 3851671.000	78.477%	2451.931	5060.353	11305.942
3	20:33:10	741330.580	1025235.900	TM 59795607.000	TM 3857498.500	78.397%	2301.341	3498.957	11283.133
x		736151.240	1015527.500	TM 59941067.000	TM 3869386.600	78.223%	2396.910	4770.115	11194.683
σ		4654.408	10460.024	TM 140167.910	TM 25802.636	0.373%	83.081	1153.752	173.328
%RSD		0.632	1.030	TM 0.234	TM 0.667	0.477	3.466	24.187	1.548

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	20:31:03	129338.370	M 1568573.200	2192684.700	2564.320	191.427	302.033	8368.873	70399.748
2	20:32:06	130870.550	M 1565472.200	2174995.700	2653.563	240.378	341.578	8585.476	69789.322
3	20:33:10	129841.590	M 1555269.000	2198437.800	2557.598	55.351	342.063	8620.847	69360.976
x		130016.840	M 1563104.800	2188706.100	2591.827	162.386	328.558	8525.065	69850.015
σ		780.976	M 6960.865	12216.992	53.570	95.871	22.973	136.418	522.038
%RSD		0.601	M 0.445	0.558	2.067	59.039	6.992	1.600	0.747

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	20:31:03	51332.992	168.663	96.763	68.571	82.113%	5281.604	10422.046	-190.613
2	20:32:06	50959.461	247.162	224.405	115.072	82.276%	5334.012	10241.007	-155.561
3	20:33:10	50840.327	192.858	270.090	131.481	82.653%	5232.082	10494.580	-193.523
x		51044.260	202.894	197.086	105.041	82.347%	5282.566	10385.878	-179.899
σ		257.046	40.201	89.835	32.632	0.277%	50.972	130.598	21.128
%RSD		0.504	19.814	45.582	31.066	0.336	0.965	1.257	11.744

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	20:31:03	-204.598	645.970	1359.975	83.005%	4097.227	3015.975	117152.900	206786.920
2	20:32:06	-150.440	560.709	1534.553	82.586%	4064.991	3009.968	119576.310	207197.080
3	20:33:10	-95.033	596.509	1413.892	84.085%	4034.364	2995.105	115403.420	202885.020
x		-150.024	601.063	1436.140	83.226%	4065.528	3007.016	117377.540	205623.010
σ		54.783	42.812	89.390	0.773%	31.435	10.744	2095.494	2380.019
%RSD		36.517	7.123	6.224	0.929	0.773	0.357	1.785	1.157

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	20:31:03	1394.431	1633.017	78.362	2012.144	62114.148	87.701%	0.000	15501.480
2	20:32:06	1401.626	1636.713	74.651	2062.514	61754.648	87.011%	0.000	15357.773
3	20:33:10	1282.922	1514.633	96.883	2014.876	61570.908	89.050%	0.000	15385.209
x		1359.660	1594.788	83.299	2029.844	61813.235	87.920%	0.000	15414.821
σ		66.554	69.440	11.910	28.325	276.319	1.037%	0.000	76.293
%RSD		4.895	4.354	14.298	1.395	0.447	1.179	0.000	0.495

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26I
1	20:38:38	T 86.995%	265875.920	-28.885	26955.730	T 7780227.300	T 15187766.000	T 2101744.900	T 2346201.4
2	20:39:41	T 85.826%	263911.910	-20.338	26497.579	T 7765161.600	T 15339319.000	T 2113559.700	T 2355594.3
3	20:40:45	T 84.284%	258672.510	0.515	27668.585	T 7954593.400	T 15706646.000	T 2197997.300	T 2452803.8
x		T 85.701%	262820.110	-16.236	27040.631	T 7833327.500	T 15411244.000	T 2137767.300	T 2384866.5
σ		T 1.360%	3723.747	15.123	590.101	T 105289.230	T 266812.890	T 52494.147	T 59022.5
%RSD		T 1.587	1.417	93.145	2.182	T 1.344	T 1.731	T 2.456	T 2.4

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52
1	20:38:38	764218.380	1096248.800	TM 130399490.000	TM 4152762.000	77.193%	7243.792	18291.771	29935.9
2	20:39:41	771404.980	1135873.000	TM 133798860.000	TM 4240876.800	76.407%	7349.768	16131.435	30079.4
3	20:40:45	777011.530	1138632.200	TM 135833420.000	TM 4180415.300	77.007%	7448.468	15943.081	29964.8
x		770878.300	1123584.700	TM 133343920.000	TM 4191351.400	76.869%	7347.342	16788.762	29993.3
σ		6412.816	23713.751	TM 2745383.200	TM 45063.884	0.411%	102.360	1305.046	75.8
%RSD		0.832	2.111	TM 2.059	TM 1.075	0.534	1.393	7.773	0.2

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66

1	20:38:38	1191553.300	M 1590319.600	T 19957605.000	8306.609	3587.446	852.128	25253.964	M 140406.5
2	20:39:41	1219915.900	M 1628148.800	T 20172939.000	8518.747	3349.369	770.638	25710.732	M 142571.8
3	20:40:45	1225362.900	M 1635625.200	T 20163474.000	8694.262	3532.323	758.411	26142.868	M 143097.5
x		1212277.400	M 1618031.200	T 20098006.000	8506.539	3489.713	793.726	25702.521	M 142025.3
σ		18153.038	M 24288.359	T 121682.680	194.115	124.627	50.946	444.509	M 1426.3
%RSD		1.497	M 1.501	T 0.605	2.282	3.571	6.419	1.729	M 1.(

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107
1	20:38:38	M 101148.860	695.290	31.634	91.282	97.805%	10786.434	19200.137	1216.2
2	20:39:41	M 103160.320	740.434	145.690	134.704	98.331%	10760.734	19286.492	1280.1
3	20:40:45	M 103462.150	633.471	178.867	146.218	97.925%	10735.687	19698.860	1011.2
x		M 102590.440	689.732	118.730	124.068	98.020%	10760.952	19395.163	1169.2
σ		M 1257.537	53.698	77.230	28.971	0.276%	25.374	266.530	140.4
%RSD		M 1.226	7.785	65.046	23.351	0.281	0.236	1.374	12.(

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137
1	20:38:38	1232.971	3621.547	8405.318	80.822%	4706.571	3525.508	105428.090	183464.4
2	20:39:41	1294.473	3761.607	8271.010	80.840%	4728.320	3506.741	106371.840	185496.5
3	20:40:45	1180.809	3294.973	8469.371	82.757%	4658.589	3446.768	103561.680	182207.8
x		1236.084	3559.376	8381.900	81.473%	4697.827	3493.006	105120.540	183722.9
σ		56.896	239.449	101.233	1.112%	35.678	41.128	1430.099	1659.5
%RSD		4.603	6.727	1.208	1.365	0.759	1.177	1.360	0.9

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232
1	20:38:38	1850.491	2226.022	632.971	3354.353	372675.670	86.143%	0.000	28691.9
2	20:39:41	1831.246	2211.127	648.638	3380.815	377307.370	86.217%	0.000	28558.7
3	20:40:45	1904.549	1921.242	698.738	3369.821	381040.690	83.596%	0.000	28855.7
x		1862.095	2119.464	660.116	3368.329	377007.910	85.319%	0.000	28702.1
σ		38.004	171.827	34.353	13.294	4190.543	1.493%	0.000	148.7
%RSD		2.041	8.107	5.204	0.395	1.112	1.750	0.000	0.5

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	20:46:12	T 85.372%	262215.880	-15.454	4737.675	T 22677052.000	T 7890217.500	1087443.200	1207834.600
2	20:47:16	T 85.025%	259532.500	-11.754	4586.205	T 22617515.000	T 7938063.100	1089512.000	1208209.400
3	20:48:19	T 84.426%	258322.770	-1.952	4721.826	T 22855160.000	T 7966525.900	1094923.100	1221953.300
x		T 84.941%	260023.720	-9.720	4681.902	T 22716576.000	T 7931602.100	1090626.100	1212665.800
σ		T 0.478%	1992.497	6.977	83.254	T 123654.320	T 38562.291	3862.390	8045.464
%RSD		T 0.563	0.766	71.778	1.778	T 0.544	T 0.486	0.354	0.663

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	20:46:12	514025.280	1143913.100	T 19788615.000	TM 2496552.300	76.192%	7423.030	18639.004	248249.710
2	20:47:16	514139.820	1132657.100	T 19855727.000	TM 2524197.400	76.286%	7531.909	12523.511	243632.380
3	20:48:19	507196.380	1126557.000	T 20005685.000	TM 2508970.400	77.422%	7129.298	14459.285	240003.180
x		511787.160	1134375.700	T 19883342.000	TM 2509906.700	76.634%	7361.412	15207.267	243961.760
σ		3976.145	8804.729	T 111138.470	TM 13846.309	0.685%	208.258	3125.607	4133.121
%RSD		0.777	0.776	T 0.559	TM 0.552	0.894	2.829	20.553	1.694

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	20:46:12	1168128.100	411898.850	T 19173559.000	11774.236	24011.307	3810.865	M 97639.646	M 947207.510
2	20:47:16	1162376.100	414073.070	T 19211813.000	12013.675	23421.571	3753.541	M 97530.949	M 934544.430
3	20:48:19	1135780.700	404177.560	T 18684187.000	11766.523	22730.751	3693.933	M 96623.787	M 929298.690
x		1155428.300	410049.820	T 19023186.000	11851.478	23387.877	3752.780	M 97264.794	M 937016.880
σ		17256.651	5200.426	T 294204.330	140.520	640.943	58.470	M 557.782	M 9206.854
%RSD		1.494	1.268	T 1.547	1.186	2.740	1.558	M 0.573	M 0.983

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	20:46:12	M 669848.800	-28.858	-644.660	-18.088	294.424%	6794.404	12901.870	17773.416
2	20:47:16	M 665537.960	0.165	-612.166	-8.533	290.350%	6704.745	13068.483	18432.684
3	20:48:19	M 650089.430	-0.659	-621.536	-6.485	297.991%	6810.187	12844.627	17978.868
x		M 661825.400	-9.784	-626.121	-11.035	294.255%	6769.779	12938.326	18061.656
σ		M 10389.683	16.524	16.725	6.193	3.823%	56.871	116.296	337.341
%RSD		M 1.570	168.882	2.671	56.119	1.299	0.840	0.899	1.868

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	20:46:12	18180.530	M 61779.460	M 151228.600	82.727%	24938.606	18616.345	77281.570	137334.070
2	20:47:16	18041.783	M 62646.805	M 152674.530	82.012%	24969.931	18709.950	77197.701	136728.360
3	20:48:19	18644.774	M 61897.583	M 151611.990	82.772%	25042.830	18734.849	76096.467	137606.730
x		18289.029	M 62107.949	M 151838.370	82.504%	24983.789	18687.048	76858.579	137223.050
σ		315.798	M 470.386	M 749.079	0.426%	53.476	62.484	661.340	449.589
%RSD		1.727	M 0.757	M 0.493	0.517	0.214	0.334	0.860	0.328

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	20:46:12	1978.181	2175.912	694.637	3554.952	M 4565036.300	85.990%	0.000	22806.055
2	20:47:16	1901.561	2111.197	726.518	3615.411	M 4504452.000	87.383%	0.000	22863.558
3	20:48:19	1810.120	2011.800	713.273	3442.977	M 4528998.200	88.130%	0.000	22744.768
x		1896.621	2099.636	711.476	3537.780	M 4532828.800	87.167%	0.000	22804.794
σ		84.140	82.665	16.016	87.490	M 30473.253	1.086%	0.000	59.405
%RSD		4.436	3.937	2.251	2.473	M 0.672	1.246	0.000	0.260

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	20:53:48	T 86.859%	264636.530	-25.386	335346.400	T 14829704.000	T 6454892.600	883906.520	992197.750
2	20:54:51	T 87.038%	261857.780	-27.750	337773.120	T 14952053.000	T 6562531.400	888927.260	990104.560
3	20:55:55	T 85.881%	259939.900	-14.539	M 345964.200	T 15259519.000	T 6713265.300	910779.710	1012461.400
x		T 86.593%	262144.740	-22.559	M 339694.570	T 15013759.000	T 6576896.400	894537.830	998254.580
σ		T 0.623%	2361.427	7.045	M 5563.577	T 221451.750	T 129783.980	14288.145	12347.935
%RSD		T 0.719	0.901	31.229	M 1.638	T 1.475	T 1.973	1.597	1.237

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	20:53:48	363153.660	1095709.500	T 31030885.000	TM 9104265.300	79.140%	4049.258	16966.632	30210.524
2	20:54:51	374065.360	1115136.100	T 31264845.000	TM 9371527.700	78.693%	3922.227	17418.859	30496.589
3	20:55:55	374552.670	1114936.800	T 32236302.000	TM 9321904.400	78.545%	4000.946	16695.243	30801.779
x		370590.560	1108594.100	T 31510677.000	TM 9265899.100	78.793%	3990.810	17026.911	30502.964
σ		6445.153	11158.856	T 639204.540	TM 142160.950	0.309%	64.119	365.555	295.679
%RSD		1.739	1.007	T 2.029	TM 1.534	0.393	1.607	2.147	0.969

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn

1	20:53:48	834984.740	M 2614261.000	T 14029528.000	8497.900	7831.134	1682.204	17560.830	M 117232.330
2	20:54:51	849096.780	M 2675757.900	T 14282063.000	9027.332	7943.261	1664.537	18032.875	M 118529.300
3	20:55:55	850340.910	M 2669837.600	T 14229761.000	9053.911	8077.265	1746.875	18242.270	M 120139.630
x		844807.480	M 2653285.500	T 14180451.000	8859.714	7950.554	1697.872	17945.325	M 118633.750
σ		8529.455	M 33925.583	T 133293.390	313.622	123.227	43.347	349.054	M 1456.462
%RSD		1.010	M 1.279	T 0.940	3.540	1.550	2.553	1.945	M 1.228

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	20:53:48	M 84003.706	942.396	-279.526	30.363	128.914%	3142.572	7124.799	1479.692
2	20:54:51	M 87529.612	996.827	-276.882	28.335	131.134%	3187.761	7053.669	1332.622
3	20:55:55	M 86764.154	1024.898	-259.840	26.106	130.498%	3138.456	7181.773	1483.535
x		M 86099.158	988.040	-272.083	28.268	130.182%	3156.263	7120.080	1431.950
σ		M 1854.634	41.947	10.684	2.129	1.143%	27.356	64.182	86.042
%RSD		M 2.154	4.245	3.927	7.532	0.878	0.867	0.901	6.009

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	20:53:48	1603.947	4563.831	10762.617	82.145%	7327.635	5479.757	157421.680	276124.990
2	20:54:51	1473.882	4461.251	10623.444	84.134%	7313.047	5436.336	155993.660	273386.830
3	20:55:55	1515.397	4314.865	10390.070	83.768%	7288.454	5470.551	157142.090	274363.100
x		1531.075	4446.649	10592.044	83.349%	7309.712	5462.215	156852.480	274624.970
σ		66.435	125.123	188.248	1.059%	19.802	22.879	756.782	1387.741
%RSD		4.339	2.814	1.777	1.270	0.271	0.419	0.482	0.505

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	20:53:48	1611.582	1828.440	303.574	2708.751	M 1239573.400	88.440%	0.000	20478.870
2	20:54:51	1505.419	1783.137	287.471	2703.556	M 1234329.800	90.386%	0.000	20465.543
3	20:55:55	1617.345	1878.053	277.965	2560.712	M 1243710.200	89.291%	0.000	20909.923
x		1578.115	1829.877	289.670	2657.673	M 1239204.500	89.372%	0.000	20618.112
σ		63.023	47.475	12.945	84.011	M 4701.056	0.975%	0.000	252.804
%RSD		3.994	2.594	4.469	3.161	M 0.379	1.091	0.000	1.226

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	21:01:24	T 88.310%	262026.540	3316.284	68133.288	T 13774134.000	T 8613257.300	1182882.500	1312947.700	89496
2	21:02:27	T 88.487%	266052.980	3404.499	69620.145	T 13733111.000	T 8635361.400	1189452.700	1318938.600	88686
3	21:03:31	T 89.079%	263150.310	3298.393	68801.620	T 13701942.000	T 8584619.100	1183690.200	1319589.900	88224
x		T 88.625%	263743.280	96.418%	100.811%	T 103.180%	T 8611079.300	97.629%	96.144%	107.
σ		T 0.403%	2077.686	n/a	n/a	T n/a	T 25441.154	n/a	n/a	
%RSD		T 0.454	0.788	1.701	1.082	T 0.264	T 0.295	0.302	0.278	
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**5**
1	21:01:24	4939.188	1137096.100	T 11217086.000	464191.160	76.871%	91.062	71433.955	61020.468	1065
2	21:02:27	5144.752	1139686.100	T 11362318.000	469403.140	77.844%	105.339	71938.380	61276.446	815
3	21:03:31	4570.290	1133685.100	T 11265113.000	460176.610	78.610%	91.592	70790.896	60857.977	681
x		4884.743	1136822.400	T 102.739%	107.970%	77.775%	95.998	100.000%	95.981%	854
σ		291.075	3009.859	T n/a	n/a	0.872%	8.094	n/a	n/a	194
%RSD		5.959	0.265	T 0.656	0.996	1.121	8.432	0.806	0.346	2
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	
1	21:01:24	272541.120	114256.520	T 4608324.400	169790.320	13230.412	2211.970	17557.109	19440.270	354
2	21:02:27	270146.520	113013.720	T 4689490.300	172119.500	12868.162	2072.161	17610.344	18595.440	333
3	21:03:31	267000.150	109428.160	T 4553397.200	168403.940	13164.563	2065.944	17194.234	18471.919	314
x		269895.930	103.606%	T 106.652%	93.324%	94.007%	98.175%	95.801%	102.231%	99.
σ		2778.974	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	
%RSD		1.030	2.234	T 1.483	1.104	1.474	3.901	1.297	2.798	
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108**
1	21:01:24	15513.160	7311.859	1443.624	623.396	79.959%	134806.440	221062.720	40997.540	-9
2	21:02:27	15041.411	7268.516	1379.788	625.186	81.159%	134551.340	220383.460	41634.542	-18
3	21:03:31	14809.336	7277.673	1467.517	626.755	79.947%	139001.430	225624.880	41038.374	-12
x		101.654%	97.769%	103.968%	106.822%	80.355%	98.708%	222357.020	98.385%	-13
σ		n/a	n/a	n/a	n/a	0.696%	n/a	2850.359	n/a	4
%RSD		2.372	0.314	3.171	0.269	0.867	1.836	1.282	0.865	3
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**1**
1	21:01:24	40935.450	10932.468	26676.169	83.390%	73527.139	55321.890	210110.320	371532.140	86.
2	21:02:27	42347.896	11213.698	26904.961	82.771%	86397.359	64889.112	213795.950	376229.030	87.
3	21:03:31	41802.619	10826.650	26755.438	83.884%	91807.585	68651.368	214667.940	373971.760	88.
x		98.822%	104.000%	102.392%	83.348%	96.823%	96.484%	97.652%	95.192%	87.
σ		n/a	n/a	n/a	0.558%	n/a	n/a	n/a	n/a	0.
%RSD		1.708	1.820	0.434	0.669	11.191	10.916	1.137	0.628	
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	
1	21:01:24	57704.674	66660.126	58927.098	148582.530	195538.620	88.721%	0.000	200343.880	24434
2	21:02:27	56849.744	68125.101	59342.859	147817.790	194527.400	89.593%	0.000	222085.780	24636
3	21:03:31	58186.968	68517.948	58391.422	148338.340	196087.480	90.474%	0.000	225191.920	24265
x		102.685%	103.252%	100.297%	98.303%	101.003%	89.596%	0.000	215873.860	24445
σ		n/a	n/a	n/a	n/a	n/a	0.877%	0.000	13538.730	185
%RSD		1.176	1.445	0.810	0.263	0.405	0.979	0.000	6.272	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	21:09:00	T 88.851%	264587.120	-51.995	2240.753	153558.830	-133701.820	-32472.063	-41482.040	-12521.257
2	21:10:04	T 89.570%	267432.590	-47.574	2140.146	125797.600	-134140.460	-32473.925	-41396.160	-13013.964
3	21:11:07	T 89.453%	265674.140	-38.618	1893.558	106946.890	-135873.940	-32936.561	-41845.017	-12953.853
x		T 89.292%	265897.950	-46.062	2091.486	128767.770	-134572.070	-32627.516	-41574.406	-12829.691
σ		T 0.386%	1435.877	6.815	178.639	23447.490	1148.583	267.642	238.258	268.798
%RSD		T 0.432	0.540	14.796	8.541	18.209	0.854	0.820	0.573	2.095
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
1	21:09:00	4459.755	1148875.200	466004.790	-2241.252	75.713%	63.397	3720.173	111.614	11001.819
2	21:10:04	4370.969	1149106.500	436508.490	-2478.196	77.297%	69.861	2950.808	-8.887	8409.509
3	21:11:07	4435.815	1137321.300	429191.010	-2999.586	76.302%	47.181	2225.446	-64.815	7239.648
x		4422.179	1145101.000	443901.430	-2573.012	76.438%	60.146	2965.475	12.638	8883.658
σ		45.936	6738.419	19488.595	387.956	0.800%	11.684	747.472	90.163	1925.382
%RSD		1.039	0.588	4.390	15.078	1.047	19.426	25.206	713.452	21.673
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**

1	21:09:00	6522.036	1419.802	-90081.234	1809.054	-138.639	113.211	-289.217	66.331	31.148
2	21:10:04	6445.282	1278.575	-91342.582	1791.094	-146.416	108.177	-356.177	41.696	28.388
3	21:11:07	6355.137	1076.258	-92562.291	1784.546	-119.489	61.511	-370.965	-3.562	24.865
x		6440.818	1258.212	-91328.702	1794.898	-134.848	94.300	-338.787	34.822	28.134
σ		83.539	172.674	1240.587	12.689	13.858	28.507	43.561	35.450	3.149
%RSD		1.297	13.724	1.358	0.707	10.277	30.230	12.858	101.805	11.193

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	21:09:00	-21.692	-118.289	-26.548	6.829	79.934%	1711.009	4649.926	-362.565	-177.366
2	21:10:04	-27.006	-43.791	-14.774	10.845	80.033%	1512.738	4511.331	-368.103	-159.193
3	21:11:07	-3.699	-46.730	0.019	4.243	80.367%	1416.185	4413.529	-373.055	-179.788
x		-17.466	-69.603	-13.768	7.306	80.111%	1546.644	4524.929	-367.907	-172.116
σ		12.215	42.189	13.312	3.327	0.227%	150.308	118.784	5.248	11.257
%RSD		69.934	60.613	96.689	45.540	0.284	9.718	2.625	1.426	6.540

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	21:09:00	-326.019	-38.979	-103.341	80.670%	7576.299	5653.374	5140.460	15380.576	87.198%
2	21:10:04	-358.481	-66.916	-171.109	81.625%	6542.597	4886.792	5145.346	15334.368	86.479%
3	21:11:07	-338.924	-49.156	-128.266	81.720%	5899.148	4405.809	5071.673	15270.337	85.850%
x		-341.141	-51.684	-134.239	81.338%	6672.681	4981.992	5119.160	15328.427	86.509%
σ		16.344	14.139	34.277	0.580%	846.109	629.208	41.197	55.359	0.675%
%RSD		4.791	27.357	25.534	0.714	12.680	12.630	0.805	0.361	0.780

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	21:09:00	941.550	894.109	30.146	1908.695	1124.414	88.150%	0.000	20233.897	6739.073
2	21:10:04	791.241	970.215	16.091	1893.778	832.347	88.937%	0.000	19082.566	6739.757
3	21:11:07	665.804	808.938	16.498	1922.187	685.410	88.212%	0.000	17764.031	6741.218
x		799.532	891.088	20.912	1908.220	880.724	88.433%	0.000	19026.831	6740.016
σ		138.060	80.681	8.000	14.211	223.464	0.437%	0.000	1235.876	1.095
%RSD		17.268	9.054	38.254	0.745	25.373	0.495	0.000	6.495	0.016

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	21:16:38	T 87.897%	260125.090	-32.593	3378.019	T 10562402.000	T 3323585.100	439222.880	473586.610	T 2603
2	21:17:41	T 86.589%	261458.530	-26.441	3450.835	T 10535402.000	T 3243080.400	428928.580	468007.820	2577
3	21:18:45	T 85.405%	254760.330	-38.888	3414.133	T 10737918.000	T 3280924.900	439173.490	470393.320	2621
x		T 86.631%	258781.310	-32.641	3414.329	T 10611907.000	T 3282530.100	435774.990	470662.580	T 2600
σ		T 1.247%	3545.527	6.224	36.408	T 109960.760	T 40276.362	5929.209	2799.125	T 22
%RSD		T 1.439	1.370	19.068	1.066	T 1.036	T 1.227	1.361	0.595	
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	
1	21:16:38	258997.490	943627.620	T 8448191.800	1263173.300	64.013%	4284.149	54657.221	124303.720	119
2	21:17:41	268772.420	968699.470	T 8316957.200	1266221.700	60.874%	4485.329	55288.339	128916.600	129
3	21:18:45	260558.370	916151.150	T 8341672.400	1262891.100	61.164%	4336.493	56433.075	124598.370	130
x		262776.090	942826.080	T 8368940.500	1264095.400	62.017%	4368.657	55459.545	125939.560	126
σ		5251.288	26283.329	T 69737.321	1846.819	1.735%	104.375	900.221	2582.395	6
%RSD		1.998	2.788	T 0.833	0.146	2.797	2.389	1.623	2.051	
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	
1	21:16:38	563280.340	205766.610	T 9652549.300	6736.929	11311.946	1795.408	47237.445	M 444044.860	M 658
2	21:17:41	585313.770	211069.130	T 9585902.700	6786.805	11037.564	1875.097	50698.814	M 453594.090	M 679
3	21:18:45	567663.110	207805.140	T 9670896.400	6674.316	11556.754	1908.090	49052.459	M 449917.900	M 676
x		572085.740	208213.620	T 9636449.500	6732.683	11302.088	1859.531	48996.239	M 449185.620	M 67
σ		11663.522	2674.758	T 44725.701	56.364	259.735	57.931	1731.369	M 4816.544	M 1
%RSD		2.039	1.285	T 0.464	0.837	2.298	3.115	3.534	M 1.072	
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**10**
1	21:16:38	M 320344.190	205.567	-561.411	-14.572	141.400%	6098.231	11475.688	8763.185	-4
2	21:17:41	M 324384.980	760.384	-551.418	10.104	137.767%	6069.030	11701.656	8864.893	-3
3	21:18:45	M 322413.560	774.512	-539.422	13.747	136.155%	5990.430	11570.953	9223.767	-3
x		M 322380.910	580.154	-550.750	3.093	138.441%	6052.564	11582.766	8950.615	-3
σ		M 2020.594	324.479	11.010	15.407	2.687%	55.755	113.446	241.961	
%RSD		M 0.627	55.930	1.999	498.114	1.941	0.921	0.979	2.703	
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	
1	21:16:38	9329.152	32010.016	77926.880	63.046%	35453.001	25765.987	40687.399	73571.813	6
2	21:17:41	9456.950	32225.953	77074.892	61.881%	34557.289	25773.704	41419.007	75242.745	6
3	21:18:45	9189.908	31896.942	79608.781	60.408%	35068.619	26010.126	41187.061	75784.592	6
x		9325.337	32044.304	78203.518	61.779%	35026.303	25849.939	41097.823	74866.383	6
σ		133.562	167.164	1289.397	1.322%	449.353	138.780	373.878	1153.401	
%RSD		1.432	0.522	1.649	2.140	1.283	0.537	0.910	1.541	
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	
1	21:16:38	1454.001	1761.199	447.308	2735.342	M 2128529.600	60.747%	0.000	21693.491	9
2	21:17:41	1457.821	1759.434	342.561	2755.685	M 2119256.100	60.116%	0.000	20141.184	9
3	21:18:45	1454.874	1525.123	332.610	2706.659	M 2170376.800	59.018%	0.000	19302.482	9
x		1455.565	1681.919	374.160	2732.562	M 2139387.500	59.961%	0.000	20379.053	9
σ		2.002	135.792	63.544	24.631	M 27235.159	0.875%	0.000	1213.123	
%RSD		0.138	8.074	16.983	0.901	M 1.273	1.459	0.000	5.953	

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	21:24:13	T 90.440%	271770.430	-35.508	160536.050	T 7090550.700	T 2949340.400	376633.740	417980.070	1302
2	21:25:17	T 90.082%	271733.340	-29.870	160969.880	T 7055742.000	T 2999277.300	384701.060	422770.290	1295
3	21:26:20	T 89.974%	270435.490	-25.391	164367.970	T 7080176.600	T 3000285.600	387517.440	426808.620	1306
x		T 90.166%	271313.090	-30.256	161957.960	T 7075489.800	T 2982967.800	382950.750	422519.660	1301
σ		T 0.244%	760.247	5.070	2098.367	T 17871.353	T 29126.550	5649.023	4419.609	5
%RSD		T 0.271	0.280	16.756	1.296	T 0.253	T 0.976	1.475	1.046	
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	
1	21:24:13	189382.600	1074162.000	T 14280511.000	TM 4691945.000	72.802%	1972.639	12779.134	16168.131	20
2	21:25:17	189776.940	1085180.500	T 14399760.000	TM 4664286.300	73.618%	1994.248	11940.215	15859.695	15
3	21:26:20	190617.910	1092660.600	T 14505409.000	TM 4704892.800	73.164%	1913.658	11503.447	15479.163	12
x		189925.820	1084001.000	T 14395227.000	TM 4687041.400	73.194%	1960.182	12074.265	15835.663	16
σ		630.966	9305.544	T 112517.960	TM 20742.610	0.409%	41.714	648.322	345.112	4
%RSD		0.332	0.858	T 0.782	TM 0.443	0.559	2.128	5.369	2.179	
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	

1	21:24:13	420865.500	M 1257901.600	T 7134228.800	5231.816	4108.071	985.701	9368.186	60708.100	9
2	21:25:17	419907.180	M 1272950.900	T 7208711.300	5241.473	4257.995	989.609	9203.967	61443.490	9
3	21:26:20	429169.590	M 1287785.400	T 7318481.300	5309.980	4002.494	1021.172	9300.269	61684.347	9
x		423314.090	M 1272879.300	T 7220473.800	5261.089	4122.853	998.827	9290.807	61278.646	9
σ		5093.597	M 14942.044	T 92687.698	42.615	128.391	19.449	82.517	508.571	
%RSD		1.203	M 1.174	T 1.284	0.810	3.114	1.947	0.888	0.830	

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	1
1	21:24:13	44195.878	626.156	-221.120	11.017	99.229%	2450.438	5886.967	518.385	-
2	21:25:17	44268.583	595.228	-250.563	12.373	100.687%	2404.132	6064.428	494.809	-
3	21:26:20	44630.673	478.097	-235.872	8.147	100.299%	2475.243	5983.693	636.358	-
x		44365.045	566.494	-235.852	10.512	100.072%	2443.271	5978.363	549.851	-
σ		232.895	78.100	14.721	2.158	0.755%	36.093	88.851	75.839	
%RSD		0.525	13.787	6.242	20.525	0.754	1.477	1.486	13.793	

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	
1	21:24:13	669.155	2381.450	5229.634	76.968%	5794.764	4378.145	81340.405	144452.100	8
2	21:25:17	543.939	2181.689	5138.327	79.177%	5719.597	4247.789	80522.870	143777.070	8
3	21:26:20	527.390	2297.232	5291.064	79.741%	5696.503	4249.524	79761.436	144556.280	8
x		580.161	2286.790	5219.675	78.628%	5736.954	4291.819	80541.570	144261.820	8
σ		77.514	100.289	76.854	1.465%	51.379	74.765	789.651	423.018	
%RSD		13.361	4.386	1.472	1.864	0.896	1.742	0.980	0.293	

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	
1	21:24:13	1214.417	1307.574	161.021	2253.528	611402.770	85.391%	0.000	17841.897	9
2	21:25:17	1167.366	1226.343	168.248	2231.066	605230.390	87.289%	0.000	17730.620	9
3	21:26:20	1166.032	1228.673	174.433	2202.494	619808.560	86.617%	0.000	17714.149	9
x		1182.605	1254.196	167.900	2229.029	612147.240	86.432%	0.000	17762.222	9
σ		27.558	46.241	6.713	25.578	7317.546	0.963%	0.000	69.490	
%RSD		2.330	3.687	3.998	1.147	1.195	1.114	0.000	0.391	

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	21:31:49	T 92.384%	274016.360	-51.128	2402.684	107863.290	-136336.720	-32813.210	-41882.736	-5506.206
2	21:32:53	T 92.263%	270625.010	-47.868	2125.023	81075.916	-138412.180	-33171.061	-42214.394	-7223.331
3	21:33:56	T 92.203%	272236.050	-51.115	1977.220	66161.173	-138953.640	-33170.285	-42365.369	-7466.672
x		T 92.283%	272292.470	-50.037	2168.309	85033.458	-137900.850	-33051.519	-42154.166	-6732.070
σ		T 0.092%	1696.379	1.879	216.009	21130.858	1381.368	206.382	246.889	1068.579
%RSD		T 0.100	0.623	3.754	9.962	24.850	1.002	0.624	0.586	15.873
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
1	21:31:49	7464.472	1051710.100	166221.800	-1150.477	74.589%	91.166	2285.191	1850.018	14343.293
2	21:32:53	7394.493	1044872.700	154850.220	-3613.128	75.133%	114.464	3160.143	1837.525	11059.199
3	21:33:56	7490.272	1047825.900	145483.860	-3805.038	74.974%	93.366	1872.377	1886.985	9526.575
x		7449.746	1048136.200	155518.620	-2856.214	74.899%	99.666	2439.237	1858.176	11643.022
σ		49.559	3429.257	10385.116	1480.325	0.279%	12.863	657.558	25.719	2460.860
%RSD		0.665	0.327	6.678	51.828	0.373	12.906	26.958	1.384	21.136
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**
1	21:31:49	20058.768	8320.845	6995.831	1757.218	108.367	84.736	167.107	1321.914	242.327
2	21:32:53	19525.309	7850.962	-703.563	1740.761	105.601	160.363	89.219	1340.695	175.936
3	21:33:56	19699.912	7644.032	4250.922	1738.201	63.849	139.643	163.631	1275.262	203.206
x		19761.329	7938.613	3514.397	1745.394	92.605	128.247	139.985	1312.624	207.157
σ		271.981	346.816	3902.181	10.320	24.943	39.080	44.000	33.691	33.371
%RSD		1.376	4.369	111.034	0.591	26.934	30.473	31.432	2.567	16.109
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108Mo O**
1	21:31:49	839.526	-109.714	-91.735	-11.814	79.354%	1194.210	3978.604	-404.750	-151.558
2	21:32:53	803.884	-177.912	-63.099	1.840	78.705%	1195.519	3950.126	-399.775	-174.001
3	21:33:56	801.120	-52.293	-56.324	0.823	79.197%	1186.950	4027.074	-402.211	-154.065
x		814.843	-113.306	-70.386	-3.050	79.085%	1192.226	3985.268	-402.245	-159.874
σ		21.420	62.887	18.796	7.606	0.339%	4.616	38.904	2.488	12.298
%RSD		2.629	55.502	26.705	249.374	0.428	0.387	0.976	0.618	7.692
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**
1	21:31:49	-365.725	-69.342	-305.601	80.920%	3804.388	2815.725	5127.450	15278.036	86.364%
2	21:32:53	-370.654	-52.219	-356.659	80.771%	3772.054	2807.749	5060.960	15263.710	86.850%
3	21:33:56	-370.634	-69.273	-329.685	80.551%	3739.326	2759.465	5058.834	15234.656	87.956%
x		-369.004	-63.611	-330.648	80.747%	3771.922	2794.313	5082.415	15258.800	87.057%
σ		2.840	9.866	25.543	0.186%	32.531	30.442	39.016	22.103	0.816%
%RSD		0.770	15.510	7.725	0.230	0.862	1.089	0.768	0.145	0.937
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	**238U**
1	21:31:49	866.259	943.591	-2.393	1820.652	1259.349	90.354%	0.000	14779.275	6588.664
2	21:32:53	776.790	837.471	1.918	1800.556	583.803	90.651%	0.000	14656.031	6586.370
3	21:33:56	700.110	837.120	-2.746	1824.196	550.021	91.395%	0.000	14711.416	6586.173
x		781.053	872.727	-1.073	1815.135	797.724	90.800%	0.000	14715.574	6587.069
σ		83.157	61.370	2.597	12.749	400.135	0.537%	0.000	61.727	1.385
%RSD		10.647	7.032	241.933	0.702	50.160	0.591	0.000	0.419	0.021

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Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	21:39:25	T 92.611%	273620.710	8632.017	169720.270	T 33114753.000	T 21637242.000	T 2990857.200	T 3339638.000
2	21:40:29	T 92.178%	275413.650	8742.344	174251.030	T 33519740.000	T 21803962.000	T 3025692.600	T 3368755.600
3	21:41:32	T 92.039%	276477.210	8974.227	173869.820	T 33849067.000	T 22104389.000	T 3058411.800	T 3461631.900
x		T 92.276%	275170.520	8782.863	172613.710	T 33494520.000	T 21848531.000	T 3024987.200	T 3390008.500
σ		T 0.298%	1443.688	174.666	2513.028	T 367806.000	T 236741.520	T 33782.810	T 63713.345
%RSD		T 0.323	0.525	1.989	1.456	T 1.098	T 1.084	T 1.117	T 1.879
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**
1	21:39:25	7180.456	1051367.100	T 26333513.000	1222682.100	77.623%	118.522	185484.350	166775.560
2	21:40:29	7805.843	1083104.300	T 26854600.000	1236284.100	78.096%	120.365	185578.750	166714.220
3	21:41:32	8192.536	1081007.000	T 27320442.000	1249045.600	78.050%	125.562	189184.210	171483.570
x		7726.279	1071826.100	T 26836185.000	1236003.900	77.923%	121.483	186749.110	168324.450
σ		510.710	17749.015	T 493721.790	13183.971	0.261%	3.651	2109.393	2736.050
%RSD		6.610	1.656	T 1.840	1.067	0.334	3.005	1.130	1.625
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**

1	21:39:25	741286.980	294490.440	T 12356932.000	468616.780	34892.142	5581.139	46907.699	49132.473
2	21:40:29	743717.730	293948.670	T 12468225.000	472637.210	35351.056	5536.316	46959.608	48943.708
3	21:41:32	753660.350	294002.060	T 12573956.000	476498.710	35187.191	5616.585	48207.719	49963.767
x		746221.690	294147.060	T 12466371.000	472584.240	35143.463	5578.013	47358.342	49346.649
σ		6555.720	298.576	T 108524.220	3941.232	232.561	40.226	736.040	542.710
%RSD		0.879	0.102	T 0.871	0.834	0.662	0.721	1.554	1.100

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	21:39:25	43644.077	19024.989	3482.632	1529.222	80.822%	365458.010	595028.740	102575.980
2	21:40:29	43788.808	18867.679	3377.473	1540.962	82.729%	365384.950	596140.080	100813.670
3	21:41:32	44267.701	18853.440	3388.118	1529.760	83.689%	361523.960	596225.600	102011.400
x		43900.195	18915.369	3416.074	1533.315	82.413%	364122.310	595798.140	101800.350
σ		326.393	95.200	57.886	6.628	1.459%	2250.528	667.692	899.912
%RSD		0.743	0.503	1.695	0.432	1.771	0.618	0.112	0.884

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	21:39:25	103585.710	28353.385	68574.087	84.247%	259529.400	195981.930	M 1194018.600	M 2148383.000
2	21:40:29	103101.290	28217.476	69211.584	85.855%	257197.880	193507.100	M 1186826.700	M 2145523.900
3	21:41:32	103931.650	28574.421	68282.925	85.775%	260487.580	195881.000	M 1197837.700	M 2162010.000
x		103539.550	28381.761	68689.532	85.292%	259071.620	195123.340	M 1192894.300	M 2151972.300
σ		417.099	180.157	474.971	0.906%	1691.956	1400.616	M 5590.944	M 8809.669
%RSD		0.403	0.635	0.691	1.063	0.653	0.718	M 0.469	M 0.409

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	21:39:25	158400.710	185861.700	150669.830	385691.640	528343.070	95.038%	0.000	655664.250
2	21:40:29	159260.470	185274.620	150429.900	383100.460	524291.510	96.079%	0.000	653617.640
3	21:41:32	161022.560	187046.670	153166.690	388910.690	529655.500	95.822%	0.000	663383.370
x		159561.250	186061.000	151422.140	385900.930	527430.020	95.647%	0.000	657555.090
σ		1336.553	902.679	1515.576	2910.763	2796.128	0.542%	0.000	5150.126
%RSD		0.838	0.485	1.001	0.754	0.530	0.567	0.000	0.783

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User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg
1	21:47:01	T 86.358%	276258.710	1486.063	5021.666	T 624148.990	T 7434533.700	1003235.400	1121928.900
2	21:48:05	T 86.948%	276180.390	1521.606	4620.652	T 603827.320	T 7468749.000	1016609.900	1134406.300
3	21:49:08	T 86.237%	279161.390	1531.149	4565.823	T 600893.170	T 7535420.000	1023777.700	1148489.500
x		T 86.514%	277200.170	1512.939	4736.047	T 609623.160	T 7479567.600	1014541.000	1134941.600
σ		T 0.380%	1698.926	23.760	248.868	T 12664.999	T 51305.865	10426.263	13288.401
%RSD		T 0.440	0.613	1.570	5.255	T 2.078	T 0.686	1.028	1.171

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr
1	21:47:01	229248.380	1078626.900	T 3857036.400	447796.590	75.854%	89860.587	145672.170	98081.058
2	21:48:05	227483.970	1071782.800	T 3868338.800	444966.520	77.315%	89504.567	146525.180	98301.770
3	21:49:08	230882.130	1076568.800	T 3916961.700	456241.870	76.555%	93615.599	146235.040	100611.050
x		229204.830	1075659.500	T 3880779.000	449668.330	76.575%	90993.584	146144.130	98997.960
σ		1699.499	3511.461	T 31840.647	5866.082	0.731%	2277.698	433.711	1401.331
%RSD		0.741	0.326	T 0.820	1.305	0.954	2.503	0.297	1.416

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn
1	21:47:01	TM 11433694.000	TM 3773230.500	TM 189374780.000	368346.320	28856.419	4675.130	40335.034	M 329672.490
2	21:48:05	TM 11413905.000	TM 3722891.500	TM 189026450.000	366249.520	28891.791	4685.196	40256.700	M 326011.830
3	21:49:08	TM 11645949.000	TM 3834961.300	TM 193869130.000	369838.840	29351.522	4793.133	41468.828	M 335025.340
x		TM 11497849.000	TM 3777027.800	TM 190756790.000	368144.890	29033.244	4717.819	40686.854	M 330236.550
σ		TM 128639.290	TM 56131.326	TM 2700989.300	1803.119	276.204	65.417	678.341	M 4533.152
%RSD		TM 1.119	TM 1.486	TM 1.416	0.490	0.951	1.387	1.667	M 1.373

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag
1	21:47:01	M 237868.430	6561.488	-329.345	14.197	127.794%	2249.985	5457.422	686.671
2	21:48:05	M 237025.320	6539.438	-344.036	14.475	129.209%	2072.581	5282.176	580.862
3	21:49:08	M 241906.820	6370.201	-341.611	16.119	131.566%	1944.536	5275.731	666.255
x		M 238933.520	6490.376	-338.331	14.930	129.523%	2089.034	5338.443	644.596
σ		M 2609.226	104.657	7.876	1.039	1.905%	153.387	103.089	56.131
%RSD		M 1.092	1.612	2.328	6.958	1.471	7.343	1.931	8.708

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba
1	21:47:01	648.103	3325.842	7822.281	79.911%	4277.014	3138.863	503319.230	877700.410
2	21:48:05	642.120	3391.358	7565.204	80.968%	4148.547	3080.142	503019.660	882105.430
3	21:49:08	552.243	3484.997	7599.561	82.340%	4115.804	3017.094	497289.690	876248.830
x		614.155	3400.733	7662.348	81.073%	4180.455	3078.700	501209.530	878684.890
σ		53.701	79.990	139.566	1.218%	85.210	60.897	3397.980	3049.889
%RSD		8.744	2.352	1.821	1.502	2.038	1.978	0.678	0.347

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th
1	21:47:01	2307.344	2617.684	4910.046	13898.019	931931.080	88.988%	0.000	233264.340
2	21:48:05	2080.595	2447.891	4674.784	13678.045	917224.710	92.542%	0.000	224217.500
3	21:49:08	2018.927	2222.817	4869.608	13601.396	918233.390	92.212%	0.000	227798.110
x		2135.622	2429.464	4818.146	13725.820	922463.060	91.247%	0.000	228426.650
σ		151.879	198.077	125.791	153.974	8215.042	1.963%	0.000	4556.057
%RSD		7.112	8.153	2.611	1.122	0.891	2.152	0.000	1.995

200-2211-F-1-Asd@5 11/03/2010 09:53:35 PM

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	21:54:38	T 86.409%	260606.580	245.591	1987.195	232589.040	1409001.000	173907.020	186997.100	TM 917867
2	21:55:41	T 85.870%	260437.850	330.181	2002.558	223901.130	1417941.300	170246.820	188511.880	TM 925888
3	21:56:45	T 86.012%	259964.590	267.919	1762.964	200988.220	1443199.900	172653.830	189345.010	TM 909850
x		T 86.097%	260336.340	281.230	1917.572	219159.470	1423380.700	172269.220	188284.660	TM 917868
σ		T 0.280%	332.817	43.838	134.115	16325.302	17736.477	1860.162	1190.331	TM 8018
%RSD		T 0.325	0.128	15.588	6.994	7.449	1.246	1.080	0.632	TM 0

Run	Time	31P	33S	39K	44Ca	45Sc	47Ti	51V	52Cr	53
1	21:54:38	51968.242	1128116.000	984903.590	89256.460	73.286%	18932.019	33210.573	20376.404	885
2	21:55:41	53436.517	1144030.300	979080.010	90174.875	72.667%	18707.450	32615.853	21548.623	694
3	21:56:45	52491.873	1116678.800	1022609.400	89196.026	74.315%	18912.455	32341.948	20914.043	562
x		52632.211	1129608.400	995531.000	89542.454	73.423%	18850.641	32722.791	20946.357	714
σ		744.130	13736.652	23630.662	548.526	0.833%	124.393	444.077	586.777	162
%RSD		1.414	1.216	2.374	0.613	1.134	0.660	1.357	2.801	22

Run	Time	54Fe	55Mn	56Fe	59Co	60Ni	62Ni	65Cu	66Zn	6

1	21:54:38	M 2517985.000	M 776586.010	TM 40736987.000	78363.601	6381.941	1060.185	9168.305	70860.198	11106
2	21:55:41	M 2570424.000	M 777546.080	TM 40978820.000	78629.287	6246.459	1155.677	8999.055	71260.723	10926
3	21:56:45	M 2515567.600	M 775198.050	TM 40678464.000	78344.506	5963.874	973.692	8857.385	71252.405	10609
x		M 2534658.900	M 776443.380	TM 40798090.000	78445.798	6197.425	1063.185	9008.248	71124.442	10881
σ		M 30997.089	M 1180.493	TM 159228.650	159.193	213.303	91.030	155.664	228.880	251
%RSD		M 1.223	M 0.152	TM 0.390	0.203	3.442	8.562	1.728	0.322	2

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108M
1	21:54:38	50812.753	1991.634	-133.994	23.975	87.302%	1514.236	4451.204	-220.508	-213
2	21:55:41	52371.328	2008.666	-136.234	18.190	88.975%	1449.035	4399.506	-160.965	-184
3	21:56:45	51406.127	1955.863	-138.609	-3.419	88.227%	1398.133	4325.799	-168.563	-161
x		51530.069	1985.388	-136.279	12.915	88.168%	1453.801	4392.170	-183.346	-186
σ		786.645	26.950	2.308	14.438	0.838%	58.198	63.024	32.407	25
%RSD		1.527	1.357	1.693	111.792	0.950	4.003	1.435	17.676	13

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	15
1	21:54:38	-103.347	596.700	1427.109	79.350%	3791.630	2790.970	102162.500	182741.490	86.5
2	21:55:41	-169.190	634.802	1487.499	80.425%	3754.901	2792.579	102071.580	180516.660	86.3
3	21:56:45	-122.081	569.758	1398.553	80.469%	3722.936	2768.102	103326.710	180652.450	86.1
x		-131.539	600.420	1437.721	80.081%	3756.489	2783.884	102520.270	181303.530	86.3
σ		33.926	32.681	45.412	0.634%	34.374	13.691	699.878	1247.154	0.2
%RSD		25.791	5.443	3.159	0.792	0.915	0.492	0.683	0.688	0

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	2
1	21:54:38	742.204	925.656	999.090	4423.170	187424.120	88.142%	0.000	55706.501	16839
2	21:55:41	720.272	767.487	1014.752	4409.672	184955.330	89.115%	0.000	57139.549	16419
3	21:56:45	626.825	767.115	1061.016	4424.501	184033.150	89.369%	0.000	57276.129	16265
x		696.434	820.086	1024.953	4419.114	185470.860	88.876%	0.000	56707.393	16508
σ		61.272	91.426	32.199	8.205	1753.285	0.648%	0.000	869.484	296
%RSD		8.798	11.148	3.141	0.186	0.945	0.729	0.000	1.533	1

CCV 11/03/2010 10:01:10 PM QC Status: PASS (Initial: FAIL)

User Pre-dilution: 1.00

Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	
1	22:02:13	T 84.900%	255731.020	3225.562	65011.282	T 13036978.000	T 8142784.600	1117017.100	1240659.500	90215
2	22:03:17	T 85.812%	253012.520	3294.425	64682.222	T 12939104.000	T 8202905.300	1110178.100	1248470.400	89304
3	22:04:20	T 86.001%	252046.230	3174.237	65579.652	T 13150934.000	T 8364026.200	1125122.000	1260951.800	89471
x		T 85.571%	253596.590	93.290%	95.305%	T 97.966%	T 8236572.100	92.037%	91.244%	108.
σ		T 0.589%	1910.569	n/a	n/a	T n/a	T 114398.630	n/a	n/a	
%RSD		T 0.688	0.753	1.866	0.697	T 0.813	T 1.389	0.669	0.819	
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**5**
1	22:02:13	4658.152	1171799.100	T 10364527.000	459175.580	70.427%	107.914	72029.957	62114.578	587
2	22:03:17	4526.343	1202335.300	T 10357850.000	452935.310	71.329%	81.314	70492.799	62549.419	413
3	22:04:20	4466.171	1190740.500	T 10479831.000	460641.750	72.603%	88.151	70240.762	62903.365	324
x		4550.222	1188291.600	T 94.718%	106.342%	71.453%	92.460	99.346%	98.293%	441
σ		98.193	15414.706	T n/a	n/a	1.093%	13.813	n/a	n/a	133
%RSD		2.158	1.297	T 0.659	0.894	1.530	14.940	1.366	0.632	3
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	
1	22:02:13	279829.140	113648.460	T 4738591.500	173076.420	13499.734	2196.410	17699.347	19374.628	333
2	22:03:17	278537.210	114457.220	T 4746677.300	174928.240	13049.368	2231.475	18032.619	19064.609	336
3	22:04:20	277271.850	111756.170	T 4692551.900	174983.990	13390.160	2099.053	17455.166	19171.738	334
x		278546.070	104.580%	T 109.167%	95.642%	95.626%	100.909%	97.311%	104.227%	99.
σ		1278.667	n/a	T n/a	n/a	n/a	n/a	n/a	n/a	
%RSD		0.459	1.224	T 0.618	0.623	1.764	3.154	1.635	0.820	
Run	**Time**	**68Zn**	**75As**	**78Se**	**82Se**	**89Y**	**95Mo**	**98Mo**	**107Ag**	**108**
1	22:02:13	15619.187	7246.594	1341.561	617.721	74.693%	135064.050	221118.480	41353.143	-22
2	22:03:17	15287.466	7250.219	1318.974	601.753	76.485%	135133.450	221402.760	41623.190	-1
3	22:04:20	14694.760	7341.533	1337.410	587.767	76.874%	136053.050	220374.440	41494.272	-20
x		102.186%	97.681%	96.869%	102.943%	76.017%	98.198%	220965.230	99.021%	-15
σ		n/a	n/a	n/a	n/a	1.163%	n/a	531.015	n/a	11
%RSD		3.081	0.739	0.902	2.488	1.530	0.408	0.240	0.326	7
Run	**Time**	**109Ag**	**111Cd**	**114Cd**	**115In**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**1**
1	22:02:13	42870.833	11332.094	27290.020	77.240%	75702.177	56865.883	215268.710	378320.410	84.
2	22:03:17	42443.791	11080.025	27107.200	77.560%	87583.675	66015.777	217708.070	379939.420	84.
3	22:04:20	42490.541	11248.225	26473.204	79.479%	92091.911	69228.578	215031.570	375021.320	84.
x		100.970%	106.168%	103.073%	78.093%	98.226%	98.143%	99.094%	96.172%	84.
σ		n/a	n/a	n/a	1.211%	n/a	n/a	n/a	n/a	0.
%RSD		0.550	1.144	1.590	1.551	9.946	10.017	0.686	0.663	
Run	**Time**	**182W**	**184W**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**232Th**	
1	22:02:13	57085.130	67149.143	57668.225	147555.630	198368.300	87.111%	0.000	208384.580	24763
2	22:03:17	58479.042	68735.829	58571.379	148171.420	194931.900	88.713%	0.000	230028.460	24938
3	22:04:20	59264.571	69989.842	59198.917	151335.730	198265.020	88.099%	0.000	239482.220	25515
x		103.926%	104.558%	99.603%	98.817%	101.935%	87.975%	0.000	225965.090	25072
σ		n/a	n/a	n/a	n/a	n/a	0.808%	0.000	15942.051	393
%RSD		1.894	2.074	1.316	1.361	0.991	0.919	0.000	7.055	

CCB 11/03/2010 10:08:46 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.00

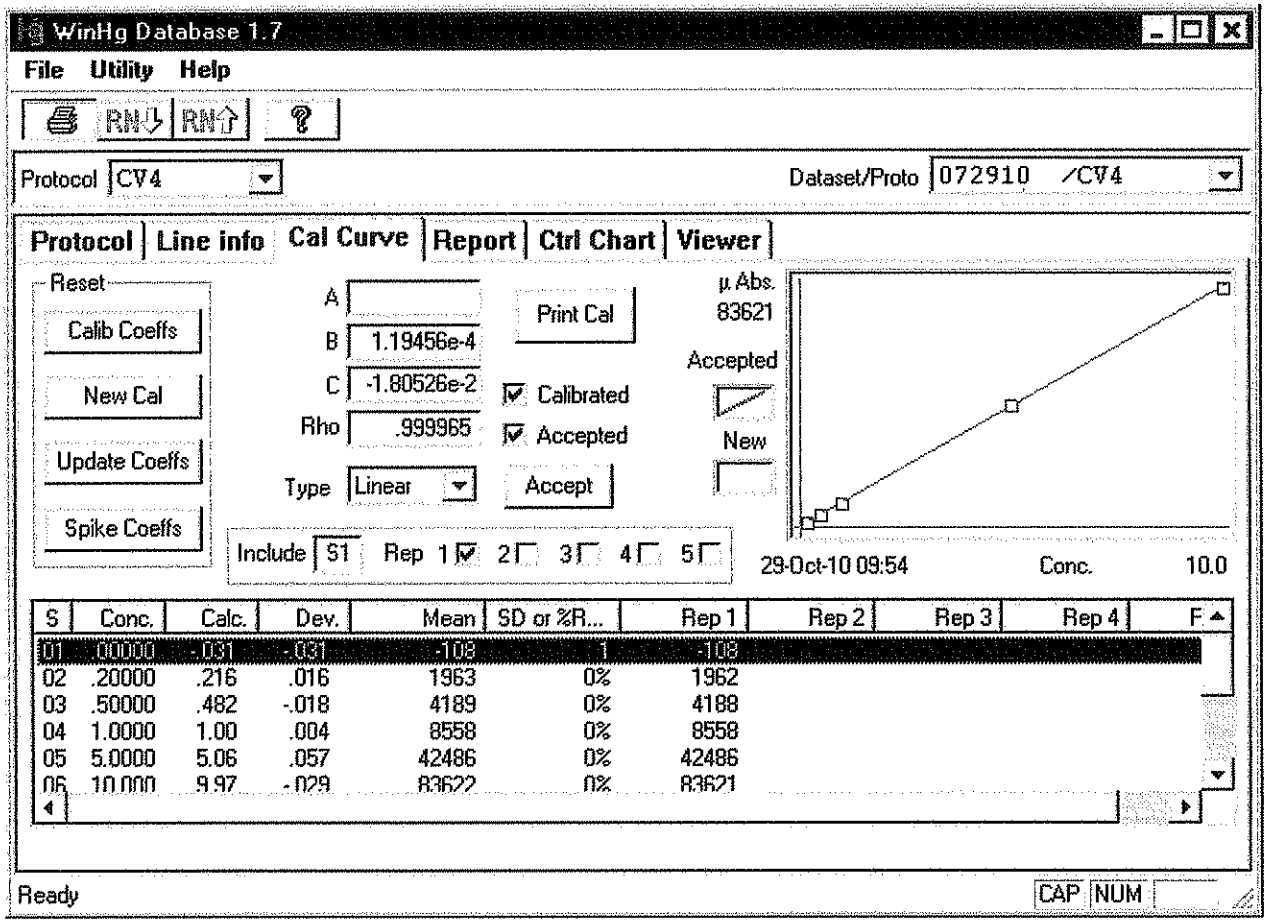
Run	Time	6Li	7Li	9Be	11B	23Na	24Mg	25Mg	26Mg	27Al
1	22:09:49	T 86.679%	255134.610	-47.239	1523.755	54984.965	-138786.810	-33176.768	-42278.718	-10255.908
2	22:10:53	T 86.984%	256640.110	-44.976	1543.097	32965.709	-137483.600	-32992.397	-41998.134	-9616.331
3	22:11:56	T 87.269%	257639.790	-47.309	1361.134	14010.089	-138579.360	-33262.779	-42287.518	-10673.871
x		T 86.978%	256471.500	-46.508	1475.996	33986.921	-138283.260	-33143.981	-42188.123	-10182.037
σ		T 0.295%	1261.075	1.327	99.942	20506.518	700.248	138.141	164.595	532.626
%RSD		T 0.339	0.492	2.854	6.771	60.336	0.506	0.417	0.390	5.231
Run	**Time**	**31P**	**33S**	**39K**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**
1	22:09:49	4170.175	1202991.700	170495.560	-5574.350	69.121%	83.911	1246.081	109.150	5193.572
2	22:10:53	4398.454	1214258.300	141899.360	-5794.906	70.082%	59.930	958.449	-147.742	4113.035
3	22:11:56	4439.140	1193930.700	144361.500	-5892.477	72.054%	72.169	846.246	-94.565	3185.481
x		4335.923	1203726.900	152252.140	-5753.911	70.419%	72.003	1016.925	-44.386	4164.029
σ		144.976	10183.715	15847.152	162.978	1.495%	11.992	206.232	135.598	1005.016
%RSD		3.344	0.846	10.408	2.832	2.123	16.654	20.280	305.497	24.136
Run	**Time**	**54Fe**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**62Ni**	**65Cu**	**66Zn**	**67Zn**

1	22:09:49	6465.662	755.695	-104941.550	1797.244	-122.091	148.216	-151.865	-75.930	-42.808
2	22:10:53	6531.154	858.304	-100964.320	1858.560	-148.199	104.412	-143.951	-181.722	-15.104
3	22:11:56	6172.124	599.127	-109470.140	1795.662	-51.350	156.222	-226.533	-143.319	-53.609
x		6389.646	737.709	-105125.340	1817.155	-107.213	136.283	-174.116	-133.657	-37.174
σ		191.205	130.521	4255.886	35.866	50.109	27.890	45.566	53.554	19.861
%RSD		2.992	17.693	4.048	1.974	46.738	20.465	26.170	40.068	53.429

Run	Time	68Zn	75As	78Se	82Se	89Y	95Mo	98Mo	107Ag	108Mo O
1	22:09:49	-112.225	-106.752	-77.518	-17.516	74.630%	1649.138	4760.570	-393.903	-136.704
2	22:10:53	-161.934	-138.496	-51.384	-4.074	74.849%	1628.632	4578.519	-393.832	-165.441
3	22:11:56	-88.153	1.744	-85.498	12.105	74.516%	1486.343	4515.190	-389.025	-125.354
x		-120.771	-81.168	-71.467	-3.162	74.665%	1588.038	4618.093	-392.253	-142.500
σ		37.626	73.537	17.844	14.831	0.169%	88.665	127.387	2.796	20.663
%RSD		31.155	90.598	24.968	469.113	0.227	5.583	2.758	0.713	14.500

Run	Time	109Ag	111Cd	114Cd	115In	121Sb	123Sb	135Ba	137Ba	159Tb
1	22:09:49	-357.456	-95.966	-212.714	77.570%	7424.028	5447.794	5099.894	15341.988	83.551%
2	22:10:53	-347.048	-65.136	-169.053	77.333%	6409.314	4802.894	5097.828	15327.542	83.018%
3	22:11:56	-355.106	-112.294	-222.522	78.339%	5814.534	4324.653	5088.011	15310.461	83.480%
x		-353.203	-91.132	-201.430	77.747%	6549.292	4858.447	5095.244	15326.664	83.350%
σ		5.459	23.948	28.464	0.526%	813.826	563.627	6.349	15.782	0.289%
%RSD		1.545	26.278	14.131	0.676	12.426	11.601	0.125	0.103	0.347

Run	Time	182W	184W	203Tl	205Tl	208Pb	209Bi	220Bkg	232Th	238U
1	22:09:49	911.066	1154.386	49.369	1894.718	442.653	87.009%	0.000	18889.467	6732.201
2	22:10:53	909.016	997.404	30.895	1912.890	456.988	87.123%	0.000	17666.163	6748.047
3	22:11:56	815.917	963.617	36.011	1902.585	328.369	86.464%	0.000	17095.628	6717.081
x		878.667	1038.469	38.758	1903.398	409.337	86.865%	0.000	17883.753	6732.443
σ		54.352	101.798	9.538	9.113	70.486	0.352%	0.000	916.500	15.484
%RSD		6.186	9.803	24.610	0.479	17.220	0.406	0.000	5.125	0.230


WinHg Database 1.7
File Utility Help
Protocol CV4
Dataset/Proto 072910 /CV4
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 1.19456e-4
C -1.80526e-2
Rho .999965
Type Linear
Print Cal
Calibrated
Accepted
Accept
µ Abs.
83621
Accepted
New
Include S1 Rep 1 2 3 4 5
29-Oct-10 09:54
Conc. 10.0
S Conc. Calc. Dev. Mean SD or %R... Rep 1 Rep 2 Rep 3 Rep 4 F
01 .00000 -.031 -.031 -108 1 -108
02 .20000 .216 .016 1963 0% 1962
03 .50000 .482 -.018 4189 0% 4188
04 1.0000 1.00 .004 8558 0% 8558
05 5.0000 5.06 .057 42486 0% 42486
06 10.000 9.97 -.029 83622 0% 83621
Ready
CAP NUM

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1				Seq: 48		09:44:15 29 Oct 10			HG
Hg	.000	ppb	-108						
*** Standard: 2 Rep: 1				Seq: 49		09:46:42 29 Oct 10			HG
Hg	.200	ppb	1962						
*** Standard: 3 Rep: 1				Seq: 50		09:48:46 29 Oct 10			HG
Hg	.500	ppb	4188						
*** Standard: 4 Rep: 1				Seq: 51		09:50:41 29 Oct 10			HG
Hg	1.00	ppb	8558						
*** Standard: 5 Rep: 1				Seq: 52		09:52:55 29 Oct 10			HG
Hg	5.00	ppb	42486						
*** Standard: 6 Rep: 1				Seq: 53		09:54:52 29 Oct 10			HG
Hg	10.0	ppb	83621						
*** Sample ID: ICV			102910AA	Seq: 54		09:57:00 29 Oct 10			HG
Hg	2.99	ppb	25188						
*** Sample ID: ICB			102910AA	Seq: 55		09:58:52 29 Oct 10			HG
Hg	-.082	ppb	-537						
*** Sample ID: CCV			102910AA	Seq: 56		10:01:05 29 Oct 10			HG
Hg	5.01	ppb	42065						
*** Sample ID: CCB			102910AA	Seq: 57		10:03:02 29 Oct 10			HG
Hg	-.027	ppb	-75						
*** Sample ID: MB857011			102910AA	Seq: 58		10:05:10 29 Oct 10			HG
Hg	-.031	ppb	-110						
*** Sample ID: LCS857012			102910AA	Seq: 59		10:07:08 29 Oct 10			HG
Hg	1.01	ppb	8633						

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: 2079A1D			102910AA	Seq: 60		10:09:06 29 Oct 10			HG
Hg	.211	ppb	1919						
*** Sample ID: 2079A2D			102910AA	Seq: 61		10:11:20 29 Oct 10			HG
Hg	1.08	ppb	9193						
*** Sample ID: 2079A3D			102910AA	Seq: 62		10:13:58 29 Oct 10			HG
Hg	.027	ppb	381						
*** Sample ID: 2079A4L			102910AA	Seq: 63		10:16:06 29 Oct 10			HG
Hg	-.015	ppb	23						
*** Sample ID: 2079A4MDU			102910AA	Seq: 64		10:18:04 29 Oct 10			HG
Hg	.051	ppb	582						
*** Sample ID: 2079A4NMS			102910AA	Seq: 65		10:21:29 29 Oct 10			HG
Hg	.975	ppb	8310						
*** Sample ID: 2079A5D			102910AA	Seq: 66		10:23:32 29 Oct 10			HG
Hg	.043	ppb	515						
*** Sample ID: CCV			102910AA	Seq: 67		10:25:25 29 Oct 10			HG
Hg	5.11	ppb	42893						
*** Sample ID: CCB			102910AA	Seq: 68		10:27:21 29 Oct 10			HG
Hg	-.034	ppb	-131						
*** Sample ID: 2079A6D			102910AA	Seq: 69		10:29:18 29 Oct 10			HG
Hg	.183	ppb	1686						
*** Sample ID: 2079A7D			102910AA	Seq: 70		10:31:17 29 Oct 10			HG
Hg	1.12	ppb	9560						
*** Sample ID: 2079A8D			102910AA	Seq: 71		10:34:06 29 Oct 10			HG
Hg	1.27	ppb	10771						

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID: 2079A9D		102910AA	Seq: 72		10:36:20 29 Oct 10				HG
Hg	.091	ppb	914						
*** Sample ID: 2079A10D		102910AA	Seq: 73		10:38:34 29 Oct 10				HG
Hg	.108	ppb	1053						
*** Sample ID: 2079A11D		102910AA	Seq: 74		10:40:29 29 Oct 10				HG
Hg	.340	ppb	2996						
*** Sample ID: 2079A12L		102910AA	Seq: 75		10:42:28 29 Oct 10				HG
Hg	.517	ppb	4478						
*** Sample ID: 2079A12MDU		102910AA	Seq: 76		10:44:26 29 Oct 10				HG
Hg	.449	ppb	3911						
*** Sample ID: 2079A12NMS		102910AA	Seq: 77		10:46:19 29 Oct 10				HG
Hg	1.42	ppb	12002						
*** Sample ID: CCV		102910AA	Seq: 78		10:48:37 29 Oct 10				HG
Hg	5.13	ppb	43065						
*** Sample ID: CCB		102910AA	Seq: 79		10:51:04 29 Oct 10				HG
Hg	.004	ppb	183						
*** Sample ID: 2079A13D		102910AA	Seq: 80		10:52:59 29 Oct 10				HG
Hg	1.33	ppb	11320						
*** Sample ID: 2079A14D		102910AA	Seq: 81		10:55:05 29 Oct 10				HG
Hg	-.013	ppb	40						
*** Sample ID: 2079A15D		102910AA	Seq: 82		10:57:19 29 Oct 10				HG
Hg	-.042	ppb	-200						
*** Sample ID: 2081A1D		102910AA	Seq: 83		10:59:14 29 Oct 10				HG
Hg	.253	ppb	2270						

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 2081A2D			102910AA	Seq: 84		11:01:11 29 Oct 10		HG
Hg	.011	ppb	244					
*** Sample ID: 2081A3D			102910AA	Seq: 85		11:03:26 29 Oct 10		HG
Hg	.006	ppb	202					
*** Sample ID: 2081A4D			102910AA	Seq: 86		11:05:25 29 Oct 10		HG
Hg	.063	ppb	682					
*** Sample ID: 2081A5D			102910AA	Seq: 87		11:07:34 29 Oct 10		HG
Hg	.052	ppb	585					
*** Sample ID: CCV			102910AA	Seq: 88		11:09:42 29 Oct 10		HG
Hg	4.99	ppb	41890					
*** Sample ID: CCB			102910AA	Seq: 89		11:11:35 29 Oct 10		HG
Hg	-.081	ppb	-528					

Organic Prep Worksheet

Batch Number: 200-8283
Method: In-House
Analyst: Fodge, John F

Date Open: Oct 22 2010 6:04PM
Batch End: Oct 27 2010 3:23PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample
200-2079-A-1-A	RFF10-02		T	101.35 g	94.79 g
200-2079-A-2-A	RBC10-05	In-House, 6020	T	52.31 g	50.01 g
200-2079-A-6-A	RFF10-05		T	130.37 g	125.66 g
200-2079-A-7-A	RBC10-02		T	63.13 g	61.17 g
200-2079-A-8-A	RBC10-01		T	59.87 g	55.21 g
200-2079-A-9-A	RFF10-04		T	117.29 g	109.89 g
200-2079-A-10-A	RFF10-03		T	134.83 g	126.86 g
200-2079-A-11-A	RFF10-01		T	109.84 g	103.26 g
200-2079-A-12-A	RLB10-01	In-House, 6020	T	79.20 g	75.05 g
200-2079-A-13-A	RLB-10-02		T	35.77 g	31.18 g
200-2081-A-1-A	FF10-07		T	124.07 g	119.38 g
200-2079-A-15-A	EQBLKFT		T	167.17 g	167.03 g
200-2079-A-12-C~DU	RLB10-01		T		
200-2079-A-12-D~MS	RLB10-01		T		
200-2079-A-12-E~MSD	RLB10-01		T		

Organic Prep Worksheet

Batch Number: 200-8283
Method: In-House
Analyst: Fodge, John F

Date Open: Oct 22 2010 6:04PM
Batch End: Oct 27 2010 3:23PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
200-2079-A-1-A	RFF10-02		T	Homogenizer
200-2079-A-2-A	RBC10-05	In-House, 6020	T	Homogenizer
200-2079-A-6-A	RFF10-05		T	Homogenizer
200-2079-A-7-A	RBC10-02		T	Homogenizer
200-2079-A-8-A	RBC10-01		T	Homogenizer
200-2079-A-9-A	RFF10-04		T	Homogenizer
200-2079-A-10-A	RFF10-03		T	Homogenizer
200-2079-A-11-A	RFF10-01		T	Homogenizer
200-2079-A-12-A	RLB10-01	In-House, 6020	T	Homogenizer
200-2079-A-13-A	RLB-10-02		T	Homogenizer
200-2081-A-1-A	FF10-07		T	Homogenizer
200-2079-A-15-A	EQBLKFT		T	Homogenizer
200-2079-A-12-C~DU	RLB10-01		T	
200-2079-A-12-D~MS	RLB10-01		T	
200-2079-A-12-E~MSD	RLB10-01		T	

Organic Prep Worksheet

Batch Number: 200-8287
Method: In-House
Analyst: Fodge, John F

Date Open: Oct 22 2010 9:21PM
Batch End: Oct 27 2010 3:33PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample
200-2079-A-3-A	RVG10-01		T	370.72 g	353.59 g
200-2079-A-4-A	RVG10-02		T	574.17 g	515.02 g
200-2079-A-5-A	RVG10-03	In-House, Lipids	T	34.19 g	32.24 g
200-2081-A-2-A	VG10-07		T	138.02 g	134.14 g
200-2081-A-3-A	VG10-15		T	13.40 g	12.85 g
200-2081-A-4-A	VG10-01		T	730.45 g	718.40 g
200-2081-A-5-A	VG10-14		T	1005.87 g	982.61 g
200-2079-A-14-A	EQBLKPT		T	618.98 g	617.42 g
200-2079-A-4-C~DU	RVG10-02	In-House, 6020	T		
200-2079-A-4-D~MS	RVG10-02		T		
200-2079-A-4-E~MSD	RVG10-02		T		

Metals Worksheet

Batch Number: 200-8516
Method: 3050B
Analyst: Sachs, Austin L

Date Open: Oct 27 2010 12:30PM
Batch End: Oct 27 2010 4:00PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	MEICPMSCALi_00009	MEICPMSICVi_00009
MB~200-8516/1		3050B, In-House, 6020		1.00 g	100 mL		
LCS~200-8516/2		3050B, In-House, 6020		1.00 g	100 mL		1.00 mL
200-2079-A-1-B	RFF10-02	3050B, In-House, 6020	T	1.24 g	100 mL		
200-2079-A-2-B	RBC10-05	3050B, In-House, 6020	T	1.13 g	100 mL		
200-2079-A-3-B	RVG10-01	3050B, In-House, 6020	T	1.22 g	100 mL		
200-2079-A-4-B	RVG10-02	3050B, In-House, 6020	T	1.13 g	100 mL		
200-2079-A-4-F~DU	RVG10-02	3050B, In-House, 6020	T	1.06 g	100 mL		
200-2079-A-4-G~MS	RVG10-02	3050B, In-House, 6020	T	1.04 g	100 mL	0.50 mL	
200-2079-A-5-B	RVG10-03	3050B, In-House, 6020	T	1.10 g	100 mL		
200-2079-A-6-B	RFF10-05	3050B, In-House, 6020	T	1.20 g	100 mL		
200-2079-A-7-B	RBC10-02	3050B, In-House, 6020	T	1.05 g	100 mL		
200-2079-A-8-B	RBC10-01	3050B, In-House, 6020	T	1.17 g	100 mL		
200-2079-A-9-B	RFF10-04	3050B, In-House, 6020	T	1.10 g	100 mL		
200-2079-A-10-B	RFF10-03	3050B, In-House, 6020	T	1.14 g	100 mL		
200-2079-A-11-B	RFF10-01	3050B, In-House, 6020	T	1.19 g	100 mL		
200-2079-A-12-B	RLB10-01	3050B, In-House, 6020	T	1.11 g	100 mL		
200-2079-A-12-F~DU	RLB10-01	3050B, In-House, 6020	T	1.09 g	100 mL		
200-2079-A-12-G~MS	RLB10-01	3050B, In-House, 6020	T	1.16 g	100 mL	0.50 mL	
200-2079-A-13-B	RLB-10-02	3050B, In-House, 6020	T	1.02 g	100 mL		
200-2079-A-14-B	EQBLKPT	3050B, In-House, 6020	T	1.00 g	100 mL		
200-2079-A-15-B	EQBLKFT	3050B, In-House, 6020	T	1.00 g	100 mL		
200-2081-A-1-B	FF10-07	3050B, In-House, 6020	T	1.16 g	100 mL		
200-2081-A-2-B	VG10-07	3050B, In-House, 6020	T	1.08 g	100 mL		

Metals Worksheet

Batch Number: 200-8516
Method: 3050B
Analyst: Sachs, Austin L

Date Open: Oct 27 2010 12:30PM
Batch End: Oct 27 2010 4:00PM

200-2081-A-3-B	VG10-15	3050B, In-House, 6020	T	1.10 g	100 mL
200-2081-A-4-B	VG10-01	3050B, In-House, 6020	T	1.11 g	100 mL

Metals Worksheet

Batch Number: 200-8516
Method: 3050B
Analyst: Sachs, Austin L

Date Open: Oct 27 2010 12:30PM
Batch End: Oct 27 2010 4:00PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	MEICPMSCALi_00009	MEICPMSICVi_00009
200-2081-A-5-B	VG10-14	3050B, In-House, 6020	T	1.23 g	100 mL		

Nominal Amount Used:	1.00-2.00 g
Digestion Tube/Cup Lot #:	1007292
Blank Soil Lot Number:	na
Balance ID:	763
Hood ID or number:	109A
Hot Block ID number:	1+2
Lot # of hydrochloric acid:	na
Lot # of Nitric Acid:	053849
Logbook ID for diluted Nitric:	047202
Hydrogen peroxide lot number:	056496
ID number of the thermometer:	86+73
Temperature:	na Degrees C
Acid used for pH adjustment:	na
Pipette ID:	M6
Analyst:	ALS
First Start time:	12.30
First End time:	16.00
Person's name who witnessed reagent drop:	na
Uncorrected Temperature:	95 Celsius
Oven, Bath or Block Temperature 1:	94 Degrees C
Uncorrected Temperature 2:	95 Degrees C
Oven, Bath or Block Temperature 2:	94 Degrees C

Metals Worksheet

Batch Number: 200-8570
Method: 7471A
Analyst: Sachs, Austin L

Date Open: Oct 28 2010 11:06AM
Batch End: Oct 29 2010 9:30AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	MEHGCCVw_00164	MEHGICVw_00008
IC~200-8570/1				50 g	50 mL		
IC~200-8570/2				50 g	50 mL	0.10 mL	
IC~200-8570/3				50 g	50 mL	0.250 mL	
IC~200-8570/4				50 g	50 mL	0.50 mL	
IC~200-8570/5				50 g	50 mL	2.50 mL	
IC~200-8570/6				50 g	50 mL	5.00 mL	
ICV~200-8570/7		7471A, In-House, 7471A		50 g	50 mL		5.00 mL
ICB~200-8570/8		7471A, In-House, 7471A		50 g	50 mL		
CCV~200-8570/9		7471A, In-House, 7471A		50 g	50 mL	2.50 mL	
CCB~200-8570/10		7471A, In-House, 7471A		50 g	50 mL		
MB~200-8570/11		7471A, In-House, 7471A		0.30 g	50 mL		
LCS~200-8570/12		7471A, In-House, 7471A		0.50 g	50 mL	0.50 mL	
200-2079-A-1-B	RFF10-02	7471A, In-House, 7471A	T	0.35 g	50 mL		
200-2079-A-2-B	RBC10-05	7471A, In-House, 7471A	T	0.35 g	50 mL		
200-2079-A-3-B	RVG10-01	7471A, In-House, 7471A	T	0.36 g	50 mL		
200-2079-A-4-B	RVG10-02	7471A, In-House, 7471A	T	0.37 g	50 mL		
200-2079-A-4-F~DU	RVG10-02	7471A, In-House, 7471A	T	0.38 g	50 mL		
200-2079-A-4-G~MS	RVG10-02	7471A, In-House, 7471A	T	0.38 g	50 mL	0.50 mL	
200-2079-A-5-B	RVG10-03	7471A, In-House, 7471A	T	0.31 g	50 mL		
200-2079-A-6-B	RFF10-05	7471A, In-House, 7471A	T	0.30 g	50 mL		
200-2079-A-7-B	RBC10-02	7471A, In-House, 7471A	T	0.33 g	50 mL		
200-2079-A-8-B	RBC10-01	7471A, In-House, 7471A	T	0.37 g	50 mL		
200-2079-A-9-B	RFF10-04	7471A, In-House, 7471A	T	0.38 g	50 mL		
200-2079-A-10-B	RFF10-03	7471A, In-House, 7471A	T	0.33 g	50 mL		
200-2079-A-11-B	RFF10-01	7471A, In-House, 7471A	T	0.39 g	50 mL		

Metals Worksheet

Batch Number: 200-8570
Method: 7471A
Analyst: Sachs, Austin L

Date Open: Oct 28 2010 11:06AM
Batch End: Oct 29 2010 9:30AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	MEHGCCVw_00164	MEHGICVw_00008
200-2079-A-12-B	RLB10-01	7471A, In-House, 7471A	T	0.39 g	50 mL		
200-2079-A-12-F~DU	RLB10-01	7471A, In-House, 7471A	T	0.32 g	50 mL		
200-2079-A-12-G~MS	RLB10-01	7471A, In-House, 7471A	T	0.39 g	50 mL	0.50 mL	
200-2079-A-13-B	RLB-10-02	7471A, In-House, 7471A	T	0.33 g	50 mL		
200-2079-A-14-B	EQBLKPT	7471A, In-House, 7471A	T	0.30 g	50 mL		
200-2079-A-15-B	EQBLKFT	7471A, In-House, 7471A	T	0.30 g	50 mL		
200-2081-A-1-B	FF10-07	7471A, In-House, 7471A	T	0.32 g	50 mL		
200-2081-A-2-B	VG10-07	7471A, In-House, 7471A	T	0.38 g	50 mL		
200-2081-A-3-B	VG10-15	7471A, In-House, 7471A	T	0.34 g	50 mL		
200-2081-A-4-B	VG10-01	7471A, In-House, 7471A	T	0.39 g	50 mL		
200-2081-A-5-B	VG10-14	7471A, In-House, 7471A	T	0.31 g	50 mL		

Nominal Amount Used:	0.30-0.40 g	Oven, Bath or Block Temperature 2:	95
SOP Number:	na	NaCL Lot #:	na
Digestion Tube/Cup Lot #:	1007292	Repittetor Volume Check:	na
Hot Block ID number:	7+8	Aqua Regia Lot Number:	062257
Hood ID or number:	109B	Hydroxylamine Hydrochloride Lot:	+NaCL=062977
Balance ID:	763		
Blank Soil Lot Number:	na		
Lot # of Nitric Acid:	na		
ID number of the thermometer:	74+100		
Lot # of hydrochloric acid:	na		
Potassium Permanganate Lot Number:	066640		
Sulfuric Acid Lot Number:	na		
Hydroxylamine Sulfate Lot Number:	na		
Potassium Persulfate Lot Number:	053904		
Stannous Chloride Lot Number:	064599		
Uncorrected Temperature:	95 Celsius		
Oven, Bath or Block Temperature 1:	95		
Uncorrected Temperature 2:	95 Celsius		

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job Number: 200-2079-1

SDG No.:

Project: Koppers Pond (Horseheads, NY)

Client Sample ID	Lab Sample ID
RFF10-02	200-2079-1
RBC10-05	200-2079-2
RVG10-01	200-2079-3
RVG10-02	200-2079-4
RVG10-03	200-2079-5
RFF10-05	200-2079-6
RBC10-02	200-2079-7
RBC10-01	200-2079-8
RFF10-04	200-2079-9
RFF10-03	200-2079-10
RFF10-01	200-2079-11
RLB10-01	200-2079-12
RLB-10-02	200-2079-13
EQBLKPT	200-2079-14
EQBLKFT	200-2079-15
FF10-07	200-2081-1
VG10-07	200-2081-2
VG10-15	200-2081-3
VG10-01	200-2081-4
VG10-14	200-2081-5

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RFF10-02 Lab Sample ID: 200-2079-1

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/19/2010 17:00

Reporting Basis: WET Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Percent Lipids	2.5	0.25		%			1	Lipids

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RBC10-05 Lab Sample ID: 200-2079-2

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/19/2010 17:00

Reporting Basis: WET Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Percent Lipids	0.33	0.25		%			1	Lipids

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RVG10-01 Lab Sample ID: 200-2079-3

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/19/2010 12:00

Reporting Basis: WET Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Percent Lipids	0.25	0.25		%	U		1	Lipids

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RVG10-02 Lab Sample ID: 200-2079-4

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/19/2010 12:00

Reporting Basis: WET Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Percent Lipids	0.24	0.24		%	U		1	Lipids

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RVG10-03 Lab Sample ID: 200-2079-5

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/19/2010 12:00

Reporting Basis: WET Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Percent Lipids	0.88	0.25		%			1	Lipids

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RFF10-05 Lab Sample ID: 200-2079-6

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/19/2010 17:00

Reporting Basis: WET Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Percent Lipids	2.8	0.25		%			1	Lipids

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RBC10-02 Lab Sample ID: 200-2079-7

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/19/2010 17:00

Reporting Basis: WET Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Percent Lipids	0.61	0.24		%			1	Lipids

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RBC10-01 Lab Sample ID: 200-2079-8

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/19/2010 17:00

Reporting Basis: WET Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Percent Lipids	0.36	0.24		%			1	Lipids

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RFF10-04 Lab Sample ID: 200-2079-9

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/19/2010 17:00

Reporting Basis: WET Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Percent Lipids	1.8	0.25		%			1	Lipids

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RFF10-03 Lab Sample ID: 200-2079-10

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/19/2010 17:00

Reporting Basis: WET Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Percent Lipids	2.7	0.24		%			1	Lipids

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RFF10-01 Lab Sample ID: 200-2079-11

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/19/2010 17:00

Reporting Basis: WET Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Percent Lipids	3.2	0.25		%			1	Lipids

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RLB10-01 Lab Sample ID: 200-2079-12

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/19/2010 17:00

Reporting Basis: WET Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Percent Lipids	0.52	0.25		%			1	Lipids

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: RLB-10-02 Lab Sample ID: 200-2079-13

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/19/2010 17:00

Reporting Basis: WET Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Percent Lipids	0.43	0.24		%			1	Lipids

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: EQBLKPT
Lab Sample ID: 200-2079-14
Lab Name: TestAmerica Burlington
Job No.: 200-2079-1
SDG ID.:
Matrix: Tissue
Date Sampled: 10/20/2010 12:00
Reporting Basis: WET
Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Percent Lipids	0.25	0.25		%	U		1	Lipids

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: EQBLKFT
Lab Sample ID: 200-2079-15
Lab Name: TestAmerica Burlington
Job No.: 200-2079-1
SDG ID.:
Matrix: Tissue
Date Sampled: 10/20/2010 12:00
Reporting Basis: WET
Date Received: 10/20/2010 10:10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Percent Lipids	0.25	0.25		%	U		1	Lipids

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: FF10-07 Lab Sample ID: 200-2081-1

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/20/2010 14:00

Reporting Basis: WET Date Received: 10/21/2010 10:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Percent Lipids	3.4	0.23		%			1	Lipids

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: VG10-07 Lab Sample ID: 200-2081-2

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/20/2010 12:00

Reporting Basis: WET Date Received: 10/21/2010 10:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Percent Lipids	1.0	0.25		%			1	Lipids

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: VG10-15 Lab Sample ID: 200-2081-3

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/20/2010 13:00

Reporting Basis: WET Date Received: 10/21/2010 10:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Percent Lipids	0.63	0.26		%			1	Lipids

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: VG10-01 Lab Sample ID: 200-2081-4

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/20/2010 10:00

Reporting Basis: WET Date Received: 10/21/2010 10:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Percent Lipids	0.25	0.25		%	U		1	Lipids

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: VG10-14 Lab Sample ID: 200-2081-5

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG ID.:

Matrix: Tissue Date Sampled: 10/20/2010 12:30

Reporting Basis: WET Date Received: 10/21/2010 10:15

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Percent Lipids	0.35	0.25		%			1	Lipids

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 8646	Date: 10/29/2010 00:58	Prep Batch: 8617	Date: 10/28/2010 16:01				
Lipids	MB 200-8617/1-A	Percent Lipids	0.25	U	%	0.25	1

FORM III-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Matrix: Tissue

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 8646	Date: 10/29/2010 00:58		Prep Batch: 8617	Date: 10/28/2010 16:01				
Lipids	RVG10-02	200-2079-4	Percent Lipids	0.24	%			U
Lipids	RVG10-02	200-2079-4 DU	Percent Lipids	0.25	%	NC		U
Batch ID: 8646	Date: 10/29/2010 00:58		Prep Batch: 8617	Date: 10/28/2010 16:01				
Lipids	RLB10-01	200-2079-12	Percent Lipids	0.52	%			
Lipids	RLB10-01	200-2079-12 DU	Percent Lipids	0.461	%	11.1		

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job Number: 200-2079-1

SDG Number:

Matrix: Tissue Instrument ID: NOEQUIP

Analysis Method: Lipids RL Date: 04/01/2009 07:55

Prep Method: In-House

Leach Method:

Analyte	Wavelength/ Mass	RL (%)	
Percent Lipids		0.1	

FORM IX - IN

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Preparation Method: In-House

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (uL)
MB 200-8617/1-A	10/28/2010 16:01	8617	10.01		10000
LCS 200-8617/2-A	10/28/2010 16:01	8617	10.04		10000
200-2079-1	10/28/2010 16:01	8617	10.19		10000
200-2079-2	10/28/2010 16:01	8617	10.18		10000
200-2079-3	10/28/2010 16:01	8617	10.17		10000
200-2079-4	10/28/2010 16:01	8617	10.33		10000
200-2079-4 DU	10/28/2010 16:01	8617	10.01		10000
200-2079-5	10/28/2010 16:01	8617	10.00		10000
200-2079-6	10/28/2010 16:01	8617	10.14		10000
200-2079-7	10/28/2010 16:01	8617	10.29		10000
200-2079-8	10/28/2010 16:01	8617	10.27		10000
200-2079-9	10/28/2010 16:01	8617	9.99		10000
200-2079-10	10/28/2010 16:01	8617	10.28		10000
200-2079-11	10/28/2010 16:01	8617	10.00		10000
200-2079-12	10/28/2010 16:01	8617	9.89		10000
200-2079-12 DU	10/28/2010 16:01	8617	10.19		10000
200-2079-13	10/28/2010 16:01	8617	10.53		10000
200-2079-14	10/28/2010 16:01	8617	10.12		10000
200-2079-15	10/28/2010 16:01	8617	10.04		10000
200-2081-1	10/28/2010 16:01	8617	10.73		10000
200-2081-2	10/28/2010 16:01	8617	9.94		10000
200-2081-3	10/28/2010 16:01	8617	9.79		10000
200-2081-4	10/28/2010 16:01	8617	9.96		10000
200-2081-5	10/28/2010 16:01	8617	10.10		10000

FORM XII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Burlington Job No.: 200-2079-1

SDG No.:

Instrument ID: NOEQUIP Method: Lipids

Start Date: 10/29/2010 00:58 End Date: 10/29/2010 00:58

Lab Sample ID	D / F	Type	Time	Analytes																			
				Percen																			
MB 200-8617/1-A	1	T	00:58	X																			
LCS 200-8617/2-A	1	T	00:58	X																			
200-2079-1	1	T	00:58	X																			
200-2079-2	1	T	00:58	X																			
200-2079-3	1	T	00:58	X																			
200-2079-4	1	T	00:58	X																			
200-2079-4 DU	1	T	00:58	X																			
200-2079-5	1	T	00:58	X																			
200-2079-6	1	T	00:58	X																			
200-2079-7	1	T	00:58	X																			
200-2079-8	1	T	00:58	X																			
200-2079-9	1	T	00:58	X																			
200-2079-10	1	T	00:58	X																			
200-2079-11	1	T	00:58	X																			
200-2079-12	1	T	00:58	X																			
200-2079-12 DU	1	T	00:58	X																			
200-2079-13	1	T	00:58	X																			
200-2079-14	1	T	00:58	X																			
200-2079-15	1	T	00:58	X																			
200-2081-1	1	T	00:58	X																			
200-2081-2	1	T	00:58	X																			
200-2081-3	1	T	00:58	X																			
200-2081-4	1	T	00:58	X																			
200-2081-5	1	T	00:58	X																			

Prep Types
T = Total/NA

Organic Prep Worksheet

Batch Number: 200-8283
Method: In-House
Analyst: Fodge, John F

Date Open: Oct 22 2010 6:04PM
Batch End: Oct 27 2010 3:23PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample
200-2079-A-1-A	RFF10-02		T	101.35 g	94.79 g
200-2079-A-2-A	RBC10-05	In-House, 6020	T	52.31 g	50.01 g
200-2079-A-6-A	RFF10-05		T	130.37 g	125.66 g
200-2079-A-7-A	RBC10-02		T	63.13 g	61.17 g
200-2079-A-8-A	RBC10-01		T	59.87 g	55.21 g
200-2079-A-9-A	RFF10-04		T	117.29 g	109.89 g
200-2079-A-10-A	RFF10-03		T	134.83 g	126.86 g
200-2079-A-11-A	RFF10-01		T	109.84 g	103.26 g
200-2079-A-12-A	RLB10-01	In-House, 6020	T	79.20 g	75.05 g
200-2079-A-13-A	RLB-10-02		T	35.77 g	31.18 g
200-2081-A-1-A	FF10-07		T	124.07 g	119.38 g
200-2079-A-15-A	EQBLKFT		T	167.17 g	167.03 g
200-2079-A-12-C~DU	RLB10-01		T		
200-2079-A-12-D~MS	RLB10-01		T		
200-2079-A-12-E~MSD	RLB10-01		T		

Organic Prep Worksheet

Batch Number: 200-8283
Method: In-House
Analyst: Fodge, John F

Date Open: Oct 22 2010 6:04PM
Batch End: Oct 27 2010 3:23PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
200-2079-A-1-A	RFF10-02		T	Homogenizer
200-2079-A-2-A	RBC10-05	In-House, 6020	T	Homogenizer
200-2079-A-6-A	RFF10-05		T	Homogenizer
200-2079-A-7-A	RBC10-02		T	Homogenizer
200-2079-A-8-A	RBC10-01		T	Homogenizer
200-2079-A-9-A	RFF10-04		T	Homogenizer
200-2079-A-10-A	RFF10-03		T	Homogenizer
200-2079-A-11-A	RFF10-01		T	Homogenizer
200-2079-A-12-A	RLB10-01	In-House, 6020	T	Homogenizer
200-2079-A-13-A	RLB-10-02		T	Homogenizer
200-2081-A-1-A	FF10-07		T	Homogenizer
200-2079-A-15-A	EQBLKFT		T	Homogenizer
200-2079-A-12-C~DU	RLB10-01		T	
200-2079-A-12-D~MS	RLB10-01		T	
200-2079-A-12-E~MSD	RLB10-01		T	

Organic Prep Worksheet

Batch Number: 200-8287
Method: In-House
Analyst: Fodge, John F

Date Open: Oct 22 2010 9:21PM
Batch End: Oct 27 2010 3:33PM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample
200-2079-A-3-A	RVG10-01		T	370.72 g	353.59 g
200-2079-A-4-A	RVG10-02		T	574.17 g	515.02 g
200-2079-A-5-A	RVG10-03	In-House, Lipids	T	34.19 g	32.24 g
200-2081-A-2-A	VG10-07		T	138.02 g	134.14 g
200-2081-A-3-A	VG10-15		T	13.40 g	12.85 g
200-2081-A-4-A	VG10-01		T	730.45 g	718.40 g
200-2081-A-5-A	VG10-14		T	1005.87 g	982.61 g
200-2079-A-14-A	EQBLKPT		T	618.98 g	617.42 g
200-2079-A-4-C~DU	RVG10-02	In-House, 6020	T		
200-2079-A-4-D~MS	RVG10-02		T		
200-2079-A-4-E~MSD	RVG10-02		T		

Organic Prep Worksheet

Batch Number: 200-8617
Method: In-House
Analyst: Gagne, Eric

Date Open: Oct 28 2010 6:10PM
Batch End: Oct 29 2010 12:00AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	EX16605PPMSPi_00007	EX8081SUw_00008
MB~200-8617/1		In-House, In-House, Lipids		10.01 g	10000 uL		1 mL
LCS~200-8617/2		In-House, In-House, Lipids		10.04 g	10000 uL	1.0 mL	1 mL
200-2079-A-1-B	RFF10-02	In-House, In-House, Lipids	T	10.19 g	10000 uL		1 mL
200-2079-A-2-B	RBC10-05	In-House, In-House, Lipids	T	10.18 g	10000 uL		1 mL
200-2079-A-3-B	RVG10-01	In-House, In-House, Lipids	T	10.17 g	10000 uL		1 mL
200-2079-A-4-B	RVG10-02	In-House, In-House, Lipids	T	10.33 g	10000 uL		1 mL
200-2079-A-4-F~DU	RVG10-02	In-House, In-House, Lipids	T	10.01 g	10000 uL		1 mL
200-2079-A-4-G~MS	RVG10-02	In-House, 3660B, 8082	T	10.58 g	10000 uL	1.0 mL	1 mL
200-2079-A-4-H~MSD	RVG10-02	In-House, 3660B, 8082	T	10.24 g	10000 uL	1.0 mL	1 mL
200-2079-A-5-B	RVG10-03	In-House, In-House, Lipids	T	10.00 g	10000 uL		1 mL
200-2079-A-6-B	RFF10-05	In-House, In-House, Lipids	T	10.14 g	10000 uL		1 mL
200-2079-A-7-B	RBC10-02	In-House, In-House, Lipids	T	10.29 g	10000 uL		1 mL
200-2079-A-8-B	RBC10-01	In-House, In-House, Lipids	T	10.27 g	10000 uL		1 mL
200-2079-A-9-B	RFF10-04	In-House, In-House, Lipids	T	9.99 g	10000 uL		1 mL
200-2079-A-10-B	RFF10-03	In-House, In-House, Lipids	T	10.28 g	10000 uL		1 mL
200-2079-A-11-B	RFF10-01	In-House, In-House, Lipids	T	10.00 g	10000 uL		1 mL
200-2079-A-12-B	RLB10-01	In-House, In-House, Lipids	T	9.89 g	10000 uL		1 mL
200-2079-A-12-F~DU	RLB10-01	In-House, In-House, Lipids	T	10.19 g	10000 uL		1 mL
200-2079-A-12-G~MS	RLB10-01	In-House, 3665A, 8082	T	9.98 g	10000 uL	1.0 mL	1 mL
200-2079-A-12-H~MSD	RLB10-01	In-House, 3665A, 8082	T	10.23 g	10000 uL	1.0 mL	1 mL
200-2079-A-13-B	RLB-10-02	In-House, In-House, Lipids	T	10.53 g	10000 uL		1 mL
200-2079-A-14-B	EQBLKPT	In-House, In-House, Lipids	T	10.12 g	10000 uL		1 mL
200-2079-A-15-B	EQBLKFT	In-House, In-House, Lipids	T	10.04 g	10000 uL		1 mL

Organic Prep Worksheet

Batch Number: 200-8617
Method: In-House
Analyst: Gagne, Eric

Date Open: Oct 28 2010 6:10PM
Batch End: Oct 29 2010 12:00AM

200-2081-A-1-B	FF10-07	In-House, In-House, T Lipids	10.73 g	10000 uL	1 mL
200-2081-A-2-B	VG10-07	In-House, In-House, T Lipids	9.94 g	10000 uL	1 mL

Organic Prep Worksheet

Batch Number: 200-8617
Method: In-House
Analyst: Gagne, Eric

Date Open: Oct 28 2010 6:10PM
Batch End: Oct 29 2010 12:00AM

Lab ID	Client ID	Method Chain	Basis	Initial weight/volume of sample	Final weight/volume of sample	EX16605PPMSPi_00007	EX8081SUw_00008
200-2081-A-3-B	VG10-15	In-House, In-House, Lipids	T	9.79 g	10000 uL		1 mL
200-2081-A-4-B	VG10-01	In-House, In-House, Lipids	T	9.96 g	10000 uL		1 mL
200-2081-A-5-B	VG10-14	In-House, In-House, Lipids	T	10.10 g	10000 uL		1 mL

Person's name who witnessed reagent drop: DI
Prep Solvent Volume Used: 300
Vendor lot number: 24848 / 51552
Vendor of Reagent used: JTBaker
Person's name who did the concentration: JFF
Balance ID: L92017
Blank Soil Lot Number: 57314

General Chemistry Worksheet

Batch Number: 200-8646
Method: Lipids
Analyst: Bourdeau, Timothy P

Date Open: Oct 29 2010 12:58AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Final weight/volume of sample	Sample Tare Weight	Weight of Residue and Dish	RawResidue	Calculation Message
MB~200-8617/1-A		Lipids		1000 uL	0.9705 g	0.9705 g	0 g	OK
LCS~200-8617/2-A		Lipids		1000 uL	0.9675 g	0.9675 g	0 g	OK
200-2079-A-1-E	RFF10-02	Lipids	T	1000 uL	0.9568 g	0.9824 g	0.0256 g	OK
200-2079-A-2-E	RBC10-05	Lipids	T	1000 uL	0.9983 g	1.0017 g	0.0034 g	OK
200-2079-A-3-E	RVG10-01	Lipids	T	1000 uL	0.9765 g	0.9789 g	0.0024 g	OK
200-2079-A-4-O	RVG10-02	Lipids	T	1000 uL	0.9862 g	0.9884 g	0.0022 g	OK
200-2079-A-4-P~DU	RVG10-02	Lipids	T	1000 uL	0.9803 g	0.9823 g	0.002 g	OK
200-2079-A-5-E	RVG10-03	Lipids	T	1000 uL	0.9911 g	0.9999 g	0.0088 g	OK
200-2079-A-6-E	RFF10-05	Lipids	T	1000 uL	0.9705 g	0.9993 g	0.0288 g	OK
200-2079-A-7-E	RBC10-02	Lipids	T	1000 uL	0.9700 g	0.9763 g	0.0063 g	OK
200-2079-A-8-E	RBC10-01	Lipids	T	1000 uL	0.9857 g	0.9894 g	0.0037 g	OK
200-2079-A-9-E	RFF10-04	Lipids	T	1000 uL	0.9659 g	0.9840 g	0.0181 g	OK
200-2079-A-10-E	RFF10-03	Lipids	T	1000 uL	0.9927 g	1.0206 g	0.0279 g	OK
200-2079-A-11-E	RFF10-01	Lipids	T	1000 uL	0.9863 g	1.0185 g	0.0322 g	OK
200-2079-A-12-O	RLB10-01	Lipids	T	1000 uL	0.9760 g	0.9811 g	0.0051 g	OK
200-2079-A-12-P~DU	RLB10-01	Lipids	T	1000 uL	0.9915 g	0.9962 g	0.0047 g	OK
200-2079-A-13-E	RLB-10-02	Lipids	T	1000 uL	0.9770 g	0.9815 g	0.0045 g	OK
200-2079-A-14-E	EQBLKPT	Lipids	T	1000 uL	0.9652 g	0.9652 g	0 g	OK
200-2079-A-15-E	EQBLKFT	Lipids	T	1000 uL	1.0048 g	1.0051 g	0.0003 g	OK
200-2081-A-1-E	FF10-07	Lipids	T	1000 uL	0.9987 g	1.0355 g	0.0368 g	OK
200-2081-A-2-E	VG10-07	Lipids	T	1000 uL	0.9886 g	0.9988 g	0.0102 g	OK
200-2081-A-3-E	VG10-15	Lipids	T	1000 uL	0.9864 g	0.9926 g	0.0062 g	OK
200-2081-A-4-E	VG10-01	Lipids	T	1000 uL	0.9918 g	0.9934 g	0.0016 g	OK
200-2081-A-5-E	VG10-14	Lipids	T	1000 uL	0.9982 g	1.0017 g	0.0035 g	OK

Perform Calculation (0=No, 1=Yes): 1

Shipping and Receiving Documents

FedEx® US Airbill Express

FedEx Tracking Number 8739 6503 6515

0200 Form ID No

FedEx Retrieval Copy

From

Date 10/

Sender's FedEx Account Number 1955256921

Sender's Name M

Phone

Company

Address

Dept/Floor/Suite/Room

City

State ZIP

Your Internal Billing Reference

To

Recipient's Name Test America Burlington Phone 802 923-1454

Company

Address 30 Community Drive Suite 11

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept/Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City South Burlington State VT ZIP 05403

4a Express Package Service * To most locations. *Packages up to 150 lbs.*

01 [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected

05 [ ] FedEx Standard Overnight — Next business afternoon. Saturday Delivery NOT available

06 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.*

03 [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected

20 [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available

4b Express Freight Service * To most locations. *Packages over 150 lbs.*

70 [ ] FedEx 1Day Freight — Next business day.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected

FedEx 1Day Freight Declaration No

80 [ ] FedEx 2Day Freight — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83 [ ] FedEx 3Day Freight — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

06 [ ] FedEx Envelope*

02 [ ] FedEx Pak* — Includes FedEx Small Pak and FedEx Large Pak

03 [ ] FedEx Box

04 [ ] FedEx Tube

01 [X] Other

6 Special Handling and Delivery Signature Options

03 [ ] **SATURDAY DELIVERY**

No Signature Required [ ] — Package may be left without obtaining a signature for delivery

10 [X] Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

34 [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

[X] No

04 [ ] Yes — As per attached Shipper's Declaration

[ ] Yes — Shipper's Declaration not required.

06 [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

[ ] Cargo Aircraft Only

7 Payment *Bill to:*

Obtain recip. Acct. No [ ]

Enter FedEx Acct. No. or Credit Card No. below.

1 [X] Sender — Acct. No. in Section 1 will be billed.

2 [ ] Recipient

3 [ ] Third Party

4 [ ] Credit Card

5 [ ] Cash/Check

[redacted]

Total Packages

Total Weight 2.0 lbs

Credit Card Auth

For liability limit up to $500, unless you declare a higher value. See the current FedEx Service Guide for details.

HOLD Weekday — FedEx location address REQUIRED. NOT available for FedEx First Overnight. 01 [ ]

HOLD Saturday — FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations. 31 [ ]

8739 6503 6515

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Burlington
30 Community Drive, Suite 11
South Burlington, VT 05403 Tel: 802 660 1990

1 of 2

CHAIN OF CUSTODY RECORD

Sdg 250401

Report to:	Invoice to:
Company: Koppers Pond	Company: Koppers Pond
Address:	Address:
Contact: Leo Brausch	Contact:
Phone: 412-720-8549	Phone:
Fax:	Fax:
Contract/ Quote: Koppers Pond	

Sampler's Name: Matthew Behum

Sampler's Signature:

Proj. No.

Project Name: Koppers Pond

No/Type of Containers²: 1/Cooler

Matrix¹	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	Aroclor PCBs	TAL METALS	%Lipids	TOC	Lab/Sample ID (Lab Use Only)
SD	10/19	1700			RFF10-02				X	X	X	X		
		↓			RBC10-05				X	X	X	X		
		1200			RVG10-01				X	X	X	X	X	
					RVG10-02				X	X	X	X	X	
↓	↓	↓			RVG10-03				X	X	X	X	X	

Lab Use Only
Due Date:

Temp. of coolers when received (C°): 5.0

1	2	3	4	5

Custody Seal Intact: (N) Y / (N) Y

Screened For Radioactivity: ☐

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/19/10	1830		10/20/10	1010
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Remarks

Client's delivery of samples constitutes acceptance of TestAmerica terms and conditions contained in the Price Schedule.

¹Matrix: WW - Wastewater; W - Water; S - Soil; L - Liquid; A - Air bag; C - Charcoal Tube; SL - Sludge; O - Oil

²Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other: Ziploc Bags

TestAmerica Cannot accept verbal changes. Please Fax written changes to (802) 660-1919

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01/11/2011 (11 - 1578)

C0J220401

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Burlington
30 Community Drive, Suite 11
South Burlington, VT 05403 Tel: 802 660 1990

2 of 2 — **CHAIN OF CUSTODY RECORD**

Report to:	Invoice to:
Company: Koppers Pond	Company: Koppers Pond
Address:	Address:
Contact: Leo Brausch	Contact:
Phone: 412-720-8549	Phone:
Fax:	Fax:
Contract/ Quote: Koppers Pond	

Sampler's Name: Matthew Bohm
Sampler's Signature:

Proj. No.
Project Name: Koppers Pond
No/Type of Containers²: 1/cooler

ANALYSIS REQUESTED: Aroclor PCBs; TAL METALS; %Q LIPIDS

Lab Use Only
Due Date:
Temp. of coolers when received (C°): 5.0
1 | 2 | 3 | 4 | 5
Custody Seal: N Y
Intact: N Y
Screened For Radioactivity ☐

Matrix¹	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	Lab/Sample ID (Lab Use Only)
S/O	10/19	1700			RFF10-05				X	
					RBC10-02				X	
					RBC10-01				X	
					~~RBC10-01DUP~~					
P/O	10/19	1700			RFF10-04				X	
					RFF10-03				X	
					RFF10-01				X	
					RLB10-01				X	
					RLB10-01DUP				X	
					RLB10-02				X	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/19/10	1830		10/20/10	1010
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Remarks

Client's delivery of samples constitutes acceptance of TestAmerica terms and conditions contained in the Price Schedule.

¹Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
²Container VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth (P/O) - Plastic or other Ziploc Bags

TestAmerica Cannot accept verbal changes. Please Fax written changes to (802) 660-1919

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01/11/2011 (1572)

(1578)

FedEx Express

FedEx Tracking Number 8739 6503 6560

0200 **Recipient's Copy**

1 From

Date

Sender's Name Phone

Company

Address

Dept./Floor/Suite/Room

City State ZIP

2 Your Internal Billing Reference

3 To

Recipient's Name Phone

Company

Address

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City State VT ZIP

HOLD Weekday
FedEx location address REQUIRED. **NOT available for** FedEx First Overnight

HOLD Saturday
FedEx location address REQUIRED. **Available ONLY for** FedEx Priority Overnight and FedEx 2Day to select locations.

4a Express Package Service * To most locations. ***Packages up to 150 lbs***

- FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected
- FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- FedEx First Overnight — Earliest next business morning delivery to select locations.*
- FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- FedEx Express Saver — Third business day.* Saturday Delivery NOT available

4b Express Freight Service ** To most locations. ***Packages over 150 lbs.***

- FedEx 1Day Freight — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected. FedEx 1Day Freight Booking No.
- FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

FedEx Envelope* | FedEx Pak* Includes FedEx Small Pak and FedEx Large Pak. | FedEx Box | FedEx Tube | Other

6 Special Handling and Delivery Signature Options

SATURDAY Delivery **NOT available for** FedEx Standard Overnight, FedEx Express Saver, or FedEx 3Day Freight.

- No Signature Required — Package may be left without obtaining a signature for delivery.
- Direct Signature — Someone at recipient's address may sign for delivery. ***Fee applies.***
- Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. ***Fee applies.***

Does this shipment contain dangerous goods? One box must be checked.

No | Yes As per attached Shipper's Declaration. | Yes Shipper's Declaration not required. | Dry Ice Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

Cargo Aircraft Only

7 Payment *Bill to:*

Sender Acct. No. in Section 1 will be billed. | Recipient | Third Party | Credit Card | Cash/Check

Enter FedEx Acct. No. or Credit Card No. below.

Obtain recip. Acct. No.

Total Packages | Total Weight | Total Declared Value† | Credit Card Auth.

lbs. $ .00

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

COJ220401

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Burlington
30 Community Drive, Suite 11
South Burlington, VT 05403 Tel: 802 660 1990

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: Koppers Pond	Company: Koppers Pond
Address:	Address:
Contact: Leo Brausch	Contact:
Phone: 412-720-8549	Phone:
Fax:	Fax:
Contract/ Quote:	

Sampler's Name: Matthew Behrens
Sampler's Signature:

Proj. No.
Project Name: Koppers Pond
No/Type of Containers²: 1/Cooler

ANALYSIS REQUESTED: Aroclor PCBs; TAL Metals; % Lipids; TOC

Lab Use Only
Due Date:
Temp. of coolers when received (C°): 2.5
1 | 2 | 3 | 4 | 5
Custody Seal N / Y
Intact N / A / Y
Screened For Radioactivity ☐

Matrix¹	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	Aroclor PCBs	TAL Metals	% Lipids	TOC	Lab/Sample ID (Lab Use Only)
	10/20	1400			FF10-07				x	x	x	x		
		1200			VG10-07				x	x	x	x	x	
		1300			VG10-15				x	x	x	x	x	
		1000			VG10-01				x	x	x	x	x	
					VG10 MS									
	10/20	1230			VG10-14				x	x	x	x	x	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/20/10	1830	TA	10/21/10	1015
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Remarks

Client's delivery of samples constitutes acceptance of TestAmerica terms and conditions contained in the Price Schedule.

Matrix: WW - Wastewater; W - Water; S - Soil; L - Liquid; A - Air bag; C - Charcoal Tube; SL - Sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O Plastic or other Ziploc Bags

TestAmerica Cannot accept verbal changes. Please Fax written changes to (802) 660-1919

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01/11/2011 (1578)
TAL-8234(1007)

Login Sample Receipt Check List

Client: TestAmerica Laboratories, Inc. Job Number: 200-2079-1

Login Number: 2079 **List Source: TestAmerica Burlington**
Creator: Keeton, Jamie
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.0ºC, IR GUN ID 96, CF -1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	SEE NCM
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: TestAmerica Laboratories, Inc. Job Number: 200-2079-1

Login Number: 2081 **List Source: TestAmerica Burlington**
Creator: Matot, Wade M
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5ºC, IR GUN ID 96, CF -1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

C0J220401

Burlington Facility
Internal Chain of Custody Log (ICOC)

Project Information:

Login # 200-2079	**Method:** 8082
Client Koppers Pond	**LAB IDs:** 200-2079-1 thru 200-2079-15

Samples associated with this login were placed into storage on 10/20/10 (Date) 1700 (Time[2]) **by:** _____ *Sample Custodian Signature*

Storage Location: WALK-IN, RACK P, SHELF 2 *Specify storage location (refrigerator, freezer ID or lab location) for original sample containers*

Storage Condition: ✓ Refrigeration __ Frozen __ Ambient

Internal Transfer Information

Sample Type		Lab ID(s)	Transfer	Transfer	Purpose of Transfer			Relinquished	Received	Storage Location
Original	Prepared[1]		Date	Time[2]	Prep	Analysis	Storage	By:	By:	Prepared Sample[1]
✓		2079 1-15	10/28/10	1600	✓			Eric Sage	Eric Sage	Ext Lab
✓		"	"	1645			✓	Eric Sage	Eric Sage	Freezer
	✓	"	"	1645	✓			Eric Sage	Robert Fowler	Ext Lab
	✓	"	10/29/10	0100	✓			Robert Fowler	[illegible]	Ext Lab
	✓	2079 1-5	10/29/10	1300			✓	[illegible]	[illegible]	GC Fridge
	✓	"	10/29/10	1605		✓		David Doran	David Doran	screen
	✓	"	10/29/10	1650			✓	David Doran	David Doran	GC fridge
	✓	"	11/5/10	1440		✓		David Doran	David Doran	Analysis
	✓	"	11/5/10	1510			✓	David Doran	David Doran	GC fridge
	✓	3,4+QC (MS/MSD)	11-9-10	1315		✓		Stacee Duncan	Stacee Duncan	Analysis
	✓	3,4+QC (MS/MSD)	"	1410			✓	Stacee Duncan	Stacee Duncan	GC Storage

[1] Extract, digestate, or any other prepared sample that is no longer in original sample container

[2] Military Time

COJ220401

Burlington Facility
Internal Chain of Custody Log (ICOC)

Project Information:

Login # 200-2081	**Method:** 8082
Client Koppers Pond	**LAB IDs:** 200-2081-1 thru 200-2081-5

Samples associated with this login were placed into storage on 10/21/10 (Date) 1100 (Time[2]) **by:** [signature] *Sample Custodian Signature*

Storage Location: WALK-IN, RACK P, SHELF 2 *Specify storage location (refrigerator, freezer ID or lab location) for original sample containers*

Storage Condition: ✓ Refrigeration __ Frozen __ Ambient

Internal Transfer Information

Sample Type		Lab ID(s)	Transfer	Transfer	Purpose of Transfer			Relinquished	Received	Storage Location
Original	Prepared[1]		Date	Time[2]	Prep	Analysis	Storage	By:	By:	Prepared Sample[1]
✓		2081 1-5	10/28/10	1400	✓			[signature]	[signature]	EXT LAB
✓		"	"	1645			✓	[signature]	[signature]	FREEZER
	✓	"	"	1645	✓			[signature]	[signature]	EXT LAB
	✓	"	10/29/10	0100	✓			[signature]	[signature]	EXT LAB
	✓	2081 1-5	10/29/10	1300				[signature]	[signature]	GC frig
	✓	"	10/29/10	1605		✓		David Doring	David Doring	screen
	✓	"	10/29/10	1650			✓	David Doring	David Doring	GC frige
	✓	"	11/5/10	1440		✓		David Doring	David Doring	Analysis
	✓	"	11/5/10	1510			✓	David Doring	David Doring	GC fridge
	✓	1+4	11-9-10	1315		✓		Stacee Duncan	Stacee Duncan	Analysis
	✓	1 + 4	"	1410			✓	Stacee Duncan	Stacee Duncan	GC Storage

[1] Extract, digestate, or any other prepared sample that is no longer in original sample container

[2] Military Time

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Analytical Report Cover Page 1

Case Narrative 3

Methods Summary 5

Sample Summary 6

Shipping and Receiving Documents 7

Data Summary Package 11
GC/MS Semivolatile Summary 12
PCB Summary 49
Metals Summary 64
General Chemistry Summary 108

GC/MS Semivolatile Data 1001
QC Summary 1002
Sample Data 1015
Calibration Data 1230
QC Data 1426
Miscellaneous 1484

PCB Data 2001
QC Summary 2002
Sample Data 2008
Calibration Data 2041
QC Data 2124
Miscellaneous 2138

Metals Data 3001
Results 3002
Raw Data 3077

General Chemistry Data 4001

There are 1394 pages in this document.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. LEO BRAUSCH

Leo Brausch Koppers Pond

Lot #: C0K030562

Leo Brausch

Leo Brausch Consulting
131 Wedgewood Drive
Gibsonia, PA 15044

TESTAMERICA LABORATORIES, INC.

Carrie L. Gamber
Project Manager

December 1, 2010

NELAC REPORTING:

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program	Certificate #	Program Types	TestAmerica
DoD ELAP	ADE-1442	WW HW	X
US Dept of Agriculture	(#P330-10-00139)	Foreign Soil Import Permit	X
Arkansas	(#88-0690)	WW HW	X X
California – NELAC	04224CA	WW HW	X X
Connecticut	(#PH-0688)	WW HW	X X
Florida – NELAC	(#E871008)	WW HW	X X
Illinois – NELAC	(#002319)	WW HW	X X
Kansas – NELAC	(#E-10350)	WW HW	X X
Louisiana – NELAC	(#04041)	WW HW	X X
New Hampshire – NELAC	(#203010)	WW --	X --
New Jersey – NELAC	(PA-005)	WW HW	X X
New York – NELAC	(#11182)	WW HW	X X
North Carolina	(#434)	WW HW	X X
Pennsylvania - NELAC	(#02-00416)	WW HW	X X
South Carolina	(#89014002)	WW HW	X X
Utah – NELAC	(STLP)	WW HW	X X
West Virginia	(#142)	WW HW	X X
Wisconsin	998027800	WW HW	X X

The codes utilized for program types are described below:

HW Hazardous Waste certification
WW Non-potable Water and/or Wastewater certification
X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 05/19/10 N:\Reporting\NELAC NARRATIVE Pttsburgh_Updated 051910.doc

CASE NARRATIVE

Leo Brausch Consulting
Koppers Pond

Lot # C0K030562

Sample Receiving:
TestAmerica's Pittsburgh laboratory received samples on November 3, 2010. The cooler was received within the proper temperature range.

The samples were received outside of the holding time for the 8270C, 8082, total cyanide and Lloyd Kahn TOC.

Note: The initial weight extracted for the sediment samples was determined based on using 50% for the percent moisture of each sample.

If project specific QC was not required for samples contained in this report, when batch QC was completed on these samples, anomalous results will be discussed below.

GC/MS Semivolatiles:
Due to the concentration of target compounds detected and/or matrix, the samples were analyzed at a dilution.

Several samples had the surrogates diluted out.

The matrix spike recovered outside of the control limits for several compounds.

The relative percent difference between the matrix spike and the matrix spike duplicate was outside of the control limits for several compounds.

All non-CCC compounds that have >15% RSD were evaluated to see if a better curve could be drawn using a quadratic curve. All compounds <30% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

Several continuing calibration standards had compounds with a %D >25%; but were within the expected performance range for these compounds.

PCB's:
Due to the concentration of PCBs detected and/or matrix, the samples were analyzed at a dilution. The samples had the surrogates diluted out.

The matrix spike and matrix spike duplicate had the surrogates and the spikes diluted out.

CASE NARRATIVE

Leo Brausch Consulting
Koppers Pond

Lot # C0K030562

Metals:
Several samples were over the instruments linear range for zinc and required a dilution.

The method blanks had analytes detected at concentrations between the MDL and the reporting limit. The results were flagged with a "B" qualifier. Any sample associated with a method blank that had the same analyte detected had the result flagged with a "J" qualifier.

General Chemistry:
The method blanks had analytes detected at concentrations between the MDL and the reporting limit. The results were flagged with a "B" qualifier. Any sample associated with a method blank that had the same analyte detected had the result flagged with a "J" qualifier.

METHODS SUMMARY

C0K030562

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Cyanide, Total	SW846 9012A	SW846 9012A
ICP-MS (6020)	SW846 6020	SW846 3050B
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
PCBs by SW-846 8082	SW846 8082	SW846 3541
Semivolatile Organics GCMS BNA 8270C	SW846 8270C	
Total Residue as Percent Solids	SM20 2540G	
TOC Lloyd Kahn Lloyd Kahn	EPA Lloyd Kahn	EPA Lloyd Kahn

References:

EPA "EASTERN ENVIRONMENTAL RADIATION FACILITY RADIOCHEMISTRY PROCEDURES MANUAL" US EPA EPA 520/5-84-006 AUGUST 1984

SM20 "STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER", 20TH EDITION."

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

C0K030562

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
L9HH3	001	20100836 RSD10-01	10/19/10	10:00
L9HH6	002	20100837 SD10-01	10/20/10	10:00
L9HH8	003	20100838 SD10-DUP	10/20/10	10:00
L9HH9	004	20100839 SD10-06	10/20/10	12:00
L9HJC	005	20100840 SD10-08	10/20/10	12:00
L9HJD	006	20100841 SD10-03	10/20/10	11:00
L9HJF	007	20100842 SD10-04	10/20/10	11:00
L9HJG	008	20100876 RSD10-01SV	10/19/10	10:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

C0K030562

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

30-211

TestAmerica Laboratory location: Pittsburgh

Regulatory program: ☐ DW ☑ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: Koppers Pond	Client Project Manager: Leo Braunsch	Site Contact:	Lab Contact: Asl / Jan bi	COC No: 008107
Address:	Telephone: 412-720-8549	Telephone:	Telephone: 908-788-8700	1 of 1 COCs
City/State/Zip:	Email:	Analysis Turnaround Time (In BUS days)	Analyses	
Phone:		TAT if different from below _____ ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		
Project Name: Koppers Pond	Method of Shipment/Carrier: UPS Overnight			
Project Number:	Shipping/Tracking No:			
PO#				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite=C / Grab=G	TCL SVOCs/Aroclor PCBs	TAL Metals / TOC	Sample Specific Notes / Special Instructions:
#20100836 RSD10-01	10/19/10	1000			✓								✓			G	1	1	
#20100837 SD10-01	10/20/10	1000			✓								✓			G	1	1	
#20100838 SD10-Dup		1000			✓								✓			G	1	1	
#20100839 SD10-06		1200			✓								✓			G	1	1	
#20100840 SD10-08		1200			✓								✓			G	1	1	
#20100841 SD10-03		1150			✓								✓			G	1	1	
#20100842 SD10-04		1150			✓								✓			G	1	1	
#20100843 RSD10-01 Sieved thru 0.5mm Sieve	10/19/10	1000			✓								✓			G	1	1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Michelle Thomas	Aqua Survey, Inc.	10/21/10 1700			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA-PH	Date/Time: 10/25/10 0900

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TAL 0018- 1 (04/10)

7

(1 - 116)

TestAmerica Pittsburgh

Cooler Receipt Form

Client: Koppers Pond Project: _____ Quote: 79354

Cooler Rec'd & Opened for Temp. Check on: 11/2/10

Coolers Opened and Unpacked on: 11/3/10 By: _____ (Signature)

TestAmerica Pittsburgh Lot Number: C0K030562

		Yes	No	NA
1.	Were custody seals on the outside of the cooler?	✓		
	If YES, how many and where? Quantity 1 Location Front			
	Were signatures and date correct?	✓		
2.	Were custody papers included inside the cooler?	✓		
3.	Were custody papers properly filled out (ink, signed, match labels)?	✓		
4.	Did you sign the custody papers in the appropriate place?	✓		
5.	Was shippers packing slip attached to this form?	✓		
6.	Were packing materials used?	✓		
	If YES, what type? Bubble wrap			
7.	Were the samples received within the acceptable temperature range?	✓		
8.	Were the samples appropriately preserved?			✓
9.	Were all bottles sealed in separate plastic bags?	✓		
10.	Did all bottles arrive in good condition (unbroken)?	✓		
11.	Were all bottle labels complete (sample ID, preservatives, etc.)?	✓		
12.	Did all bottle labels and/or tags agree with custody papers?	✓		
13.	Were correct bottles used for tests indicated?	✓		
14.	Were all VOA vials checked for the presence of air bubbles?			✓
15.	Was a sufficient amount of sample sent in each bottle?	✓		

16. Samples received by: (FEDEX) UPS CLIENT DROP-OFF OTHER DHL US CARGO

Explain any discrepancies: _____

Level 2 Review _____

Was contacted on _____ by _____ to resolve discrepancies.

Rev. 1, 01/20/2010
X:\Forms\Cooler Receipt Form_updated 102010.DOC

TestAmerica Pittsburgh

Cooler Receipt Form

P: Preserved

UP: Unpreserved

Sample ID	TMET PH<2	DMET PH<2	HG PH<2	NUT(1) PH<2	CN PH ≥12	OG TPHC PH<2	PHEN PH<2	SULF PH ≥12	TOC PH<2	TOX PH<2	VOA P/UP	hardness PH<2	Residual CL	

(1) "NUT" could include sample bottles for ammonia, chemical oxygen demand, nitrate/nitrite, TKN, or total phosphorus

Comments: _____

_____

_____

Cooler Number	Temperature*	Thermometer ID
1	0.1	4

Sample	Lot Number**

*Acceptable Temperature Range: < 0-6 °C

**Please use an asterisk if bottle lot number was covered by the label

If samples required preservation in the laboratory, the following lot number(s) was/were used:

Nitric Acid _____ Hydrochloric Acid _____

Sulfuric Acid _____ Sodium Hydroxide _____

X:\Forms\Cooler Receipt Form_updated 102010.DOC
Rev. 1, 01/20/2010


SHIPPING DEPARTMENT 9087888700
AQUA SURVEY, INC.
469 POINT BREEZE RD
FLEMINGTON NJ 08822-4701
42 LBS
1 OF 1
SHIP TO: SAMPLE RECEIVING (412) 963-7058
TEST AMERICA PITTSBURGH
301 ALPHA DRIVE
PITTSBURGH PA 15238
PA 152 9-20
UPS NEXT DAY AIR
1
TRACKING #: 1Z 238 6X4 01 4827 0850
BILLING: P/P
WS 12.0.12 HP LaserJet M 09.0A 10/2010

DATA SUMMARY PACKAGE

GC/MS SEMIVOLATILE SUMMARY

Leo Brausch Consulting

Client Sample ID: 20100836 RSD10-01

GC/MS Semivolatiles

Lot-Sample #...:	C0K030562-001	**Work Order #...:**	L9HH31AC	**Matrix.....:**	SOLID
Date Sampled...:	10/19/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308011
Prep Date.....:	11/04/10	**Analysis Date..:**	11/04/10		
Prep Batch #...:	0308035	**Analysis Time..:**	16:07		
Dilution Factor:	5	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	87	**Analyst ID.....:**	430261	**Instrument ID..:**	732
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	270	ug/kg	25
Acenaphthylene	ND	270	ug/kg	30
Acetophenone	ND	1300	ug/kg	110
Anthracene	ND	270	ug/kg	26
Atrazine	ND	1300	ug/kg	130
Benzo(a)anthracene	**63 J**	**270**	**ug/kg**	**33**
Benzo(a)pyrene	**600**	**270**	**ug/kg**	**26**
Benzo(b)fluoranthene	**110 J**	**270**	**ug/kg**	**42**
Benzo(ghi)perylene	**61 J**	**270**	**ug/kg**	**26**
Benzo(k)fluoranthene	ND	270	ug/kg	53
Benzaldehyde	ND	1300	ug/kg	200
1,1'-Biphenyl	ND	1300	ug/kg	120
bis(2-Chloroethoxy) methane	ND	1300	ug/kg	87
bis(2-Chloroethyl)-ether	ND	270	ug/kg	35
bis(2-Ethylhexyl) phthalate	ND	1300	ug/kg	210
4-Bromophenyl phenyl ether	ND	1300	ug/kg	110
Butyl benzyl phthalate	ND	1300	ug/kg	180
Caprolactam	ND	6700	ug/kg	1000
Carbazole	ND	270	ug/kg	24
4-Chloroaniline	ND	1300	ug/kg	110
4-Chloro-3-methylphenol	ND	1300	ug/kg	120
2-Chloronaphthalene	ND	270	ug/kg	28
2-Chlorophenol	ND	1300	ug/kg	110
4-Chlorophenyl phenyl ether	ND	1300	ug/kg	150
Chrysene	**64 J**	**270**	**ug/kg**	**31**
Dibenz(a,h)anthracene	ND	270	ug/kg	29
Dibenzofuran	ND	1300	ug/kg	130
3,3'-Dichlorobenzidine	ND	1300	ug/kg	140
2,4-Dichlorophenol	ND	270	ug/kg	26
Diethyl phthalate	ND	1300	ug/kg	140
2,4-Dimethylphenol	ND	1300	ug/kg	210
Dimethyl phthalate	ND	1300	ug/kg	140

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100836 RSD10-01

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-001 Work Order #...: L9HH31AC Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	1300	ug/kg	170
4,6-Dinitro-2-methylphenol	ND	6700	ug/kg	530
2,4-Dinitrophenol	ND	6700	ug/kg	1600
2,4-Dinitrotoluene	ND	1300	ug/kg	110
2,6-Dinitrotoluene	ND	1300	ug/kg	140
Di-n-octyl phthalate	ND	1300	ug/kg	140
Fluoranthene	**95 J**	**270**	**ug/kg**	**28**
Fluorene	ND	270	ug/kg	35
Hexachlorobenzene	ND	270	ug/kg	28
Hexachlorobutadiene	ND	270	ug/kg	30
Hexachlorocyclopentadiene	ND	1300	ug/kg	140
Hexachloroethane	ND	1300	ug/kg	95
Indeno(1,2,3-cd)pyrene	**600**	**270**	**ug/kg**	**27**
Isophorone	ND	1300	ug/kg	100
2-Methylnaphthalene	ND	270	ug/kg	24
2-Methylphenol	ND	1300	ug/kg	92
4-Methylphenol	ND	1300	ug/kg	130
Naphthalene	ND	270	ug/kg	23
2-Nitroaniline	ND	6700	ug/kg	590
3-Nitroaniline	ND	6700	ug/kg	540
4-Nitroaniline	ND	6700	ug/kg	530
Nitrobenzene	ND	270	ug/kg	110
2-Nitrophenol	ND	1300	ug/kg	150
4-Nitrophenol	ND	6700	ug/kg	450
N-Nitrosodi-n-propylamine	ND	270	ug/kg	31
N-Nitrosodiphenylamine	ND	270	ug/kg	120
2,2'-oxybis(1-Chloropropane)	ND	270	ug/kg	29
Pentachlorophenol	ND	1300	ug/kg	120
Phenanthrene	**51 J**	**270**	**ug/kg**	**42**
Phenol	ND	270	ug/kg	31
Pyrene	**72 J**	**270**	**ug/kg**	**27**
2,4,5-Trichlorophenol	ND	1300	ug/kg	140
2,4,6-Trichlorophenol	ND	1300	ug/kg	200

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100836 RSD10-01

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-001 Work Order #...: L9HH31AC Matrix.....: SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	63	(27 - 110)
Terphenyl-d14	44	(21 - 130)
2-Fluorobiphenyl	51	(28 - 108)
2-Fluorophenol	56	(28 - 107)
Phenol-d5	57	(30 - 112)
2,4,6-Tribromophenol	40	(21 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: 20100837 SD10-01

GC/MS Semivolatiles

Lot-Sample #...:	C0K030562-002	**Work Order #...:**	L9HH61AK	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308011
Prep Date.....:	11/04/10	**Analysis Date..:**	11/04/10		
Prep Batch #...:	0308035	**Analysis Time..:**	16:54		
Dilution Factor:	9.93	**Initial Wgt/Vol:**	30.2 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	78	**Analyst ID.....:**	430261	**Instrument ID..:**	732
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**36 J**	**310**	**ug/kg**	**30**
Acenaphthylene	ND	310	ug/kg	35
Acetophenone	ND	1500	ug/kg	130
Anthracene	**130 J**	**310**	**ug/kg**	**30**
Atrazine	ND	1500	ug/kg	150
Benzo(a)anthracene	**590**	**310**	**ug/kg**	**39**
Benzo(a)pyrene	**1400**	**310**	**ug/kg**	**31**
Benzo(b)fluoranthene	**1000**	**310**	**ug/kg**	**48**
Benzo(ghi)perylene	**930**	**310**	**ug/kg**	**31**
Benzo(k)fluoranthene	**780**	**310**	**ug/kg**	**62**
Benzaldehyde	ND	1500	ug/kg	230
1,1'-Biphenyl	ND	1500	ug/kg	140
bis(2-Chloroethoxy) methane	ND	1500	ug/kg	100
bis(2-Chloroethyl)-ether	ND	310	ug/kg	41
bis(2-Ethylhexyl) phthalate	**790 J**	**1500**	**ug/kg**	**250**
4-Bromophenyl phenyl ether	ND	1500	ug/kg	130
Butyl benzyl phthalate	ND	1500	ug/kg	210
Caprolactam	ND	7800	ug/kg	1200
Carbazole	**97 J**	**310**	**ug/kg**	**28**
4-Chloroaniline	ND	1500	ug/kg	120
4-Chloro-3-methylphenol	ND	1500	ug/kg	140
2-Chloronaphthalene	ND	310	ug/kg	32
2-Chlorophenol	ND	1500	ug/kg	130
4-Chlorophenyl phenyl ether	ND	1500	ug/kg	170
Chrysene	**1000**	**310**	**ug/kg**	**37**
Dibenz(a,h)anthracene	ND	310	ug/kg	34
Dibenzofuran	ND	1500	ug/kg	150
3,3'-Dichlorobenzidine	ND	1500	ug/kg	160
2,4-Dichlorophenol	ND	310	ug/kg	31
Diethyl phthalate	ND	1500	ug/kg	170
2,4-Dimethylphenol	ND	1500	ug/kg	240
Dimethyl phthalate	ND	1500	ug/kg	170

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100837 SD10-01

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-002 **Work Order #...:** L9HH61AK **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	1500	ug/kg	190
4,6-Dinitro-2-methylphenol	ND	7800	ug/kg	620
2,4-Dinitrophenol	ND	7800	ug/kg	1800
2,4-Dinitrotoluene	ND	1500	ug/kg	120
2,6-Dinitrotoluene	ND	1500	ug/kg	160
Di-n-octyl phthalate	**1700**	**1500**	**ug/kg**	**160**
Fluoranthene	**1600**	**310**	**ug/kg**	**33**
Fluorene	ND	310	ug/kg	41
Hexachlorobenzene	ND	310	ug/kg	33
Hexachlorobutadiene	ND	310	ug/kg	34
Hexachlorocyclopentadiene	ND	1500	ug/kg	170
Hexachloroethane	ND	1500	ug/kg	110
Indeno(1,2,3-cd)pyrene	**1300**	**310**	**ug/kg**	**32**
Isophorone	ND	1500	ug/kg	120
2-Methylnaphthalene	ND	310	ug/kg	28
2-Methylphenol	ND	1500	ug/kg	110
4-Methylphenol	ND	1500	ug/kg	150
Naphthalene	ND	310	ug/kg	27
2-Nitroaniline	ND	7800	ug/kg	690
3-Nitroaniline	ND	7800	ug/kg	630
4-Nitroaniline	ND	7800	ug/kg	620
Nitrobenzene	ND	310	ug/kg	130
2-Nitrophenol	ND	1500	ug/kg	170
4-Nitrophenol	ND	7800	ug/kg	530
N-Nitrosodi-n-propylamine	ND	310	ug/kg	36
N-Nitrosodiphenylamine	ND	310	ug/kg	140
2,2'-oxybis (1-Chloropropane)	ND	310	ug/kg	33
Pentachlorophenol	ND	1500	ug/kg	140
Phenanthrene	**560**	**310**	**ug/kg**	**49**
Phenol	ND	310	ug/kg	36
Pyrene	**1200**	**310**	**ug/kg**	**31**
2,4,5-Trichlorophenol	ND	1500	ug/kg	160
2,4,6-Trichlorophenol	ND	1500	ug/kg	230

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100837 SD10-01

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-002 **Work Order #...:** L9HH61AK **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	NC,DIL	(27 - 110)
Terphenyl-d14	NC,DIL	(21 - 130)
2-Fluorobiphenyl	NC,DIL	(28 - 108)
2-Fluorophenol	NC,DIL	(28 - 107)
Phenol-d5	NC,DIL	(30 - 112)
2,4,6-Tribromophenol	NC,DIL	(21 - 116)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: 20100838 SD10-DUP

GC/MS Semivolatiles

Lot-Sample #...:	C0K030562-003	Work Order #...:	L9HH81AK	Matrix.....:	SOLID
Date Sampled...:	10/20/10	Date Received..:	11/03/10	MS Run #.....:	0308011
Prep Date.....:	11/04/10	Analysis Date..:	11/04/10		
Prep Batch #...:	0308035	Analysis Time..:	17:32		
Dilution Factor:	9.97				
% Moisture.....:	78	Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acenaphthene	**53 J**	**300**	**ug/kg**
Acenaphthylene	ND	300	ug/kg
Acetophenone	ND	1500	ug/kg
Anthracene	**150 J**	**300**	**ug/kg**
Atrazine	ND	1500	ug/kg
Benzo(a)anthracene	**670**	**300**	**ug/kg**
Benzo(a)pyrene	**1500**	**300**	**ug/kg**
Benzo(b)fluoranthene	**1600**	**300**	**ug/kg**
Benzo(ghi)perylene	**1200**	**300**	**ug/kg**
Benzo(k)fluoranthene	**470**	**300**	**ug/kg**
Benzaldehyde	ND	1500	ug/kg
1,1'-Biphenyl	ND	1500	ug/kg
bis(2-Chloroethoxy) methane	ND	1500	ug/kg
bis(2-Chloroethyl)-ether	ND	300	ug/kg
bis(2-Ethylhexyl) phthalate	**960 J**	**1500**	**ug/kg**
4-Bromophenyl phenyl ether	ND	1500	ug/kg
Butyl benzyl phthalate	ND	1500	ug/kg
Caprolactam	ND	7700	ug/kg
Carbazole	**120 J**	**300**	**ug/kg**
4-Chloroaniline	ND	1500	ug/kg
4-Chloro-3-methylphenol	ND	1500	ug/kg
2-Chloronaphthalene	ND	300	ug/kg
2-Chlorophenol	ND	1500	ug/kg
4-Chlorophenyl phenyl ether	ND	1500	ug/kg
Chrysene	**1100**	**300**	**ug/kg**
Dibenz(a,h)anthracene	ND	300	ug/kg
Dibenzofuran	ND	1500	ug/kg
3,3'-Dichlorobenzidine	ND	1500	ug/kg
2,4-Dichlorophenol	ND	300	ug/kg
Diethyl phthalate	ND	1500	ug/kg
2,4-Dimethylphenol	ND	1500	ug/kg
Dimethyl phthalate	ND	1500	ug/kg
Di-n-butyl phthalate	ND	1500	ug/kg

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100838 SD10-DUP

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-003 Work Order #...: L9HH81AK Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS
4,6-Dinitro-2-methylphenol	ND	7700	ug/kg
2,4-Dinitrophenol	ND	7700	ug/kg
2,4-Dinitrotoluene	ND	1500	ug/kg
2,6-Dinitrotoluene	ND	1500	ug/kg
Di-n-octyl phthalate	ND	1500	ug/kg
Fluoranthene	**1900**	**300**	**ug/kg**
Fluorene	ND	300	ug/kg
Hexachlorobenzene	ND	300	ug/kg
Hexachlorobutadiene	ND	300	ug/kg
Hexachlorocyclopentadiene	ND	1500	ug/kg
Hexachloroethane	ND	1500	ug/kg
Indeno(1,2,3-cd)pyrene	**1400**	**300**	**ug/kg**
Isophorone	ND	1500	ug/kg
2-Methylnaphthalene	ND	300	ug/kg
2-Methylphenol	ND	1500	ug/kg
4-Methylphenol	ND	1500	ug/kg
Naphthalene	ND	300	ug/kg
2-Nitroaniline	ND	7700	ug/kg
3-Nitroaniline	ND	7700	ug/kg
4-Nitroaniline	ND	7700	ug/kg
Nitrobenzene	ND	300	ug/kg
2-Nitrophenol	ND	1500	ug/kg
4-Nitrophenol	ND	7700	ug/kg
N-Nitrosodi-n-propylamine	ND	300	ug/kg
N-Nitrosodiphenylamine	ND	300	ug/kg
2,2'-oxybis(1-Chloropropane)	ND	300	ug/kg
Pentachlorophenol	ND	1500	ug/kg
Phenanthrene	**620**	**300**	**ug/kg**
Phenol	ND	300	ug/kg
Pyrene	**1400**	**300**	**ug/kg**
2,4,5-Trichlorophenol	ND	1500	ug/kg
2,4,6-Trichlorophenol	ND	1500	ug/kg

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100838 SD10-DUP

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-003 **Work Order #...:** L9HH81AK **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	NC,DIL	(27 - 110)
Terphenyl-d14	NC,DIL	(21 - 130)
2-Fluorobiphenyl	NC,DIL	(28 - 108)
2-Fluorophenol	NC,DIL	(28 - 107)
Phenol-d5	NC,DIL	(30 - 112)
2,4,6-Tribromophenol	NC,DIL	(21 - 116)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: 20100839 SD10-06

GC/MS Semivolatiles

Lot-Sample #...:	C0K030562-004	**Work Order #...:**	L9HH91AK	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308011
Prep Date.....:	11/04/10	**Analysis Date..:**	11/04/10		
Prep Batch #...:	0308035	**Analysis Time..:**	18:10		
Dilution Factor:	2.5	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	68	**Analyst ID.....:**	430261	**Instrument ID..:**	732
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**15 J**	**52**	**ug/kg**	**5.0**
Acenaphthylene	**18 J**	**52**	**ug/kg**	**6.0**
Acetophenone	ND	260	ug/kg	21
Anthracene	**31 J**	**52**	**ug/kg**	**5.1**
Atrazine	ND	260	ug/kg	25
Benzo(a)anthracene	**140**	**52**	**ug/kg**	**6.5**
Benzo(a)pyrene	**300**	**52**	**ug/kg**	**5.2**
Benzo(b)fluoranthene	**250**	**52**	**ug/kg**	**8.2**
Benzo(ghi)perylene	**260**	**52**	**ug/kg**	**5.2**
Benzo(k)fluoranthene	**120**	**52**	**ug/kg**	**11**
Benzaldehyde	ND	260	ug/kg	39
1,1'-Biphenyl	ND	260	ug/kg	24
bis(2-Chloroethoxy) methane	ND	260	ug/kg	17
bis(2-Chloroethyl)-ether	ND	52	ug/kg	7.0
bis(2-Ethylhexyl) phthalate	**200 J**	**260**	**ug/kg**	**42**
4-Bromophenyl phenyl ether	ND	260	ug/kg	23
Butyl benzyl phthalate	ND	260	ug/kg	36
Caprolactam	ND	1300	ug/kg	200
Carbazole	**26 J**	**52**	**ug/kg**	**4.8**
4-Chloroaniline	ND	260	ug/kg	21
4-Chloro-3-methylphenol	ND	260	ug/kg	24
2-Chloronaphthalene	ND	52	ug/kg	5.4
2-Chlorophenol	ND	260	ug/kg	21
4-Chlorophenyl phenyl ether	ND	260	ug/kg	29
Chrysene	**230**	**52**	**ug/kg**	**6.2**
Dibenz(a,h)anthracene	**170**	**52**	**ug/kg**	**5.8**
Dibenzofuran	ND	260	ug/kg	26
3,3'-Dichlorobenzidine	ND	260	ug/kg	28
2,4-Dichlorophenol	ND	52	ug/kg	5.2
Diethyl phthalate	ND	260	ug/kg	29
2,4-Dimethylphenol	ND	260	ug/kg	41
Dimethyl phthalate	ND	260	ug/kg	28

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Leo Brausch Consulting

Client Sample ID: 20100839 SD10-06

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-004 **Work Order #...:** L9HH91AK **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	260	ug/kg	33
4,6-Dinitro-2-methylphenol	ND	1300	ug/kg	100
2,4-Dinitrophenol	ND	1300	ug/kg	310
2,4-Dinitrotoluene	ND	260	ug/kg	21
2,6-Dinitrotoluene	ND	260	ug/kg	27
Di-n-octyl phthalate	ND	260	ug/kg	28
Fluoranthene	**370**	**52**	**ug/kg**	**5.6**
Fluorene	**15 J**	**52**	**ug/kg**	**6.9**
Hexachlorobenzene	ND	52	ug/kg	5.6
Hexachlorobutadiene	ND	52	ug/kg	5.8
Hexachlorocyclopentadiene	ND	260	ug/kg	28
Hexachloroethane	ND	260	ug/kg	19
Indeno(1,2,3-cd)pyrene	**250**	**52**	**ug/kg**	**5.4**
Isophorone	ND	260	ug/kg	20
2-Methylnaphthalene	ND	52	ug/kg	4.7
2-Methylphenol	ND	260	ug/kg	18
4-Methylphenol	ND	260	ug/kg	26
Naphthalene	ND	52	ug/kg	4.5
2-Nitroaniline	ND	1300	ug/kg	120
3-Nitroaniline	ND	1300	ug/kg	110
4-Nitroaniline	ND	1300	ug/kg	110
Nitrobenzene	ND	52	ug/kg	22
2-Nitrophenol	ND	260	ug/kg	29
4-Nitrophenol	ND	1300	ug/kg	89
N-Nitrosodi-n-propylamine	ND	52	ug/kg	6.1
N-Nitrosodiphenylamine	ND	52	ug/kg	24
2,2'-oxybis(1-Chloropropane)	ND	52	ug/kg	5.6
Pentachlorophenol	ND	260	ug/kg	23
Phenanthrene	**160**	**52**	**ug/kg**	**8.3**
Phenol	ND	52	ug/kg	6.2
Pyrene	**270**	**52**	**ug/kg**	**5.3**
2,4,5-Trichlorophencl	ND	260	ug/kg	28
2,4,6-Trichlorophencl	ND	260	ug/kg	39

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Client Sample ID: 20100839 SD10-06

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-004 **Work Order #...:** L9HH91AK **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	50	(27 - 110)
Terphenyl-d14	43	(21 - 130)
2-Fluorobiphenyl	49	(28 - 108)
2-Fluorophenol	41	(28 - 107)
Phenol-d5	46	(30 - 112)
2,4,6-Tribromophenol	41	(21 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: 20100840 SD10-08

GC/MS Semivolatiles

Lot-Sample #...:	C0K030562-005	**Work Order #...:**	L9HJC1AK	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308011
Prep Date.....:	11/04/10	**Analysis Date..:**	11/04/10		
Prep Batch #...:	0308035	**Analysis Time..:**	18:29		
Dilution Factor:	2.47	**Initial Wgt/Vol:**	30.4 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	72	**Analyst ID.....:**	430261	**Instrument ID..:**	732
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**17 J**	**60**	**ug/kg**	**5.7**
Acenaphthylene	**20 J**	**60**	**ug/kg**	**6.8**
Acetophenone	ND	290	ug/kg	24
Anthracene	**41 J**	**60**	**ug/kg**	**5.8**
Atrazine	ND	290	ug/kg	29
Benzo(a)anthracene	**190**	**60**	**ug/kg**	**7.5**
Benzo(a)pyrene	**380**	**60**	**ug/kg**	**6.0**
Benzo(b)fluoranthene	**350**	**60**	**ug/kg**	**9.4**
Benzo(ghi)perylene	**340**	**60**	**ug/kg**	**5.9**
Benzo(k)fluoranthene	**140**	**60**	**ug/kg**	**12**
Benzaldehyde	ND	290	ug/kg	45
1,1'-Biphenyl	ND	290	ug/kg	28
bis(2-Chloroethoxy) methane	ND	290	ug/kg	20
bis(2-Chloroethyl)-ether	ND	60	ug/kg	8.0
bis(2-Ethylhexyl) phthalate	**350**	**290**	**ug/kg**	**48**
4-Bromophenyl phenyl ether	ND	290	ug/kg	26
Butyl benzyl phthalate	**46 J**	**290**	**ug/kg**	**41**
Caprolactam	ND	1500	ug/kg	230
Carbazole	**33 J**	**60**	**ug/kg**	**5.5**
4-Chloroaniline	ND	290	ug/kg	24
4-Chloro-3-methylphenol	ND	290	ug/kg	27
2-Chloronaphthalene	ND	60	ug/kg	6.2
2-Chlorophenol	ND	290	ug/kg	24
4-Chlorophenyl phenyl ether	ND	290	ug/kg	33
Chrysene	**290**	**60**	**ug/kg**	**7.1**
Dibenz(a,h)anthracene	**190**	**60**	**ug/kg**	**6.6**
Dibenzofuran	ND	290	ug/kg	29
3,3'-Dichlorobenzidine	ND	290	ug/kg	31
2,4-Dichlorophenol	ND	60	ug/kg	6.0
Diethyl phthalate	ND	290	ug/kg	33
2,4-Dimethylphenol	ND	290	ug/kg	47
Dimethyl phthalate	ND	290	ug/kg	32

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Leo Brausch Consulting

Client Sample ID: 20100840 SD10-08

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-005 **Work Order #...:** L9HJC1AK **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	290	ug/kg	37
4,6-Dinitro-2-methylphenol	ND	1500	ug/kg	120
2,4-Dinitrophenol	ND	1500	ug/kg	350
2,4-Dinitrotoluene	ND	290	ug/kg	24
2,6-Dinitrotoluene	ND	290	ug/kg	31
Di-n-octyl phthalate	**360**	**290**	**ug/kg**	**31**
Fluoranthene	**510**	**60**	**ug/kg**	**6.4**
Fluorene	**19 J**	**60**	**ug/kg**	**7.9**
Hexachlorobenzene	ND	60	ug/kg	6.3
Hexachlorobutadiene	ND	60	ug/kg	6.7
Hexachlorocyclopentadiene	ND	290	ug/kg	32
Hexachloroethane	ND	290	ug/kg	21
Indeno(1,2,3-cd)pyrene	**320**	**60**	**ug/kg**	**6.1**
Isophorone	ND	290	ug/kg	22
2-Methylnaphthalene	ND	60	ug/kg	5.4
2-Methylphenol	ND	290	ug/kg	21
4-Methylphenol	ND	290	ug/kg	29
Naphthalene	ND	60	ug/kg	5.1
2-Nitroaniline	ND	1500	ug/kg	130
3-Nitroaniline	ND	1500	ug/kg	120
4-Nitroaniline	ND	1500	ug/kg	120
Nitrobenzene	ND	60	ug/kg	25
2-Nitrophenol	ND	290	ug/kg	33
4-Nitrophenol	ND	1500	ug/kg	100
N-Nitrosodi-n-propylamine	ND	60	ug/kg	7.0
N-Nitrosodiphenylamine	ND	60	ug/kg	28
2,2'-oxybis (1-Chloropropane)	ND	60	ug/kg	6.4
Pentachlorophenol	ND	290	ug/kg	27
Phenanthrene	**180**	**60**	**ug/kg**	**9.5**
Phenol	ND	60	ug/kg	7.0
Pyrene	**360**	**60**	**ug/kg**	**6.0**
2,4,5-Trichlorophenol	ND	290	ug/kg	32
2,4,6-Trichlorophenol	ND	290	ug/kg	45

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Client Sample ID: 20100840 SD10-08

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-005 **Work Order #...:** L9HJC1AK **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	51	(27 - 110)
Terphenyl-d14	36	(21 - 130)
2-Fluorobiphenyl	42	(28 - 108)
2-Fluorophenol	41	(28 - 107)
Phenol-d5	43	(30 - 112)
2,4,6-Tribromophenol	34	(21 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: 20100841 SD10-03

GC/MS Semivolatiles

Lot-Sample #...:	C0K030562-006	**Work Order #...:**	L9HJD1AK	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308011
Prep Date.....:	11/04/10	**Analysis Date..:**	11/04/10		
Prep Batch #...:	0308035	**Analysis Time..:**	18:48		
Dilution Factor:	9.97	**Initial Wgt/Vol:**	30.1 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	73	**Analyst ID.....:**	430261	**Instrument ID..:**	732
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**67 J**	**250**	**ug/kg**	**23**
Acenaphthylene	**98 J**	**250**	**ug/kg**	**28**
Acetophenone	ND	1200	ug/kg	100
Anthracene	**200 J**	**250**	**ug/kg**	**24**
Atrazine	ND	1200	ug/kg	120
Benzo(a)anthracene	**970**	**250**	**ug/kg**	**31**
Benzo(a)pyrene	**1700**	**250**	**ug/kg**	**24**
Benzo(b)fluoranthene	**1700**	**250**	**ug/kg**	**38**
Benzo(ghi)perylene	**1400**	**250**	**ug/kg**	**24**
Benzo(k)fluoranthene	**600**	**250**	**ug/kg**	**49**
Benzaldehyde	ND	1200	ug/kg	180
1,1'-Biphenyl	ND	1200	ug/kg	110
bis(2-Chloroethoxy) methane	ND	1200	ug/kg	80
bis(2-Chloroethyl)-ether	ND	250	ug/kg	33
bis(2-Ethylhexyl) phthalate	**1300**	**1200**	**ug/kg**	**200**
4-Bromophenyl phenyl ether	ND	1200	ug/kg	110
Butyl benzyl phthalate	ND	1200	ug/kg	170
Caprolactam	ND	6200	ug/kg	930
Carbazole	**160 J**	**250**	**ug/kg**	**23**
4-Chloroaniline	ND	1200	ug/kg	98
4-Chloro-3-methylphenol	ND	1200	ug/kg	110
2-Chloronaphthalene	ND	250	ug/kg	25
2-Chlorophenol	ND	1200	ug/kg	100
4-Chlorophenyl phenyl ether	ND	1200	ug/kg	140
Chrysene	**1400**	**250**	**ug/kg**	**29**
Dibenz(a,h)anthracene	**880**	**250**	**ug/kg**	**27**
Dibenzofuran	ND	1200	ug/kg	120
3,3'-Dichlorobenzidine	ND	1200	ug/kg	130
2,4-Dichlorophenol	ND	250	ug/kg	25
Diethyl phthalate	ND	1200	ug/kg	130
2,4-Dimethylphenol	ND	1200	ug/kg	190
Dimethyl phthalate	ND	1200	ug/kg	130

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Leo Brausch Consulting

Client Sample ID: 20100841 SD10-03

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-006 **Work Order #...:** L9HJD1AK **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	1200	ug/kg	150
4,6-Dinitro-2-methylphenol	ND	6200	ug/kg	490
2,4-Dinitrophenol	ND	6200	ug/kg	1500
2,4-Dinitrotoluene	ND	1200	ug/kg	99
2,6-Dinitrotoluene	ND	1200	ug/kg	130
Di-n-octyl phthalate	**1500**	**1200**	**ug/kg**	**130**
Fluoranthene	**2600**	**250**	**ug/kg**	**26**
Fluorene	**64 J**	**250**	**ug/kg**	**32**
Hexachlorobenzene	ND	250	ug/kg	26
Hexachlorobutadiene	ND	250	ug/kg	27
Hexachlorocyclopentadiene	ND	1200	ug/kg	130
Hexachloroethane	ND	1200	ug/kg	88
Indeno(1,2,3-cd)pyrene	**1500**	**250**	**ug/kg**	**25**
Isophorone	ND	1200	ug/kg	92
2-Methylnaphthalene	ND	250	ug/kg	22
2-Methylphenol	ND	1200	ug/kg	85
4-Methylphenol	ND	1200	ug/kg	120
Naphthalene	ND	250	ug/kg	21
2-Nitroaniline	ND	6200	ug/kg	550
3-Nitroaniline	ND	6200	ug/kg	500
4-Nitroaniline	ND	6200	ug/kg	490
Nitrobenzene	ND	250	ug/kg	100
2-Nitrophenol	ND	1200	ug/kg	130
4-Nitrophenol	ND	6200	ug/kg	420
N-Nitrosodi-n-propylamine	ND	250	ug/kg	29
N-Nitrosodiphenylamine	ND	250	ug/kg	110
2,2'-oxybis(1-Chloropropane)	ND	250	ug/kg	26
Pentachlorophenol	ND	1200	ug/kg	110
Phenanthrene	**880**	**250**	**ug/kg**	**39**
Phenol	ND	250	ug/kg	29
Pyrene	**1800**	**250**	**ug/kg**	**25**
2,4,5-Trichlorophenol	ND	1200	ug/kg	130
2,4,6-Trichlorophenol	ND	1200	ug/kg	180

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Leo Brausch Consulting

Client Sample ID: 20100841 SD10-03

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-006 **Work Order #...:** L9HJD1AK **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	NC,DIL	(27 - 110)
Terphenyl-d14	NC,DIL	(21 - 130)
2-Fluorobiphenyl	NC,DIL	(28 - 108)
2-Fluorophenol	NC,DIL	(28 - 107)
Phenol-d5	NC,DIL	(30 - 112)
2,4,6-Tribromophenol	NC,DIL	(21 - 116)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: 20100842 SD10-04

GC/MS Semivolatiles

Lot-Sample #...:	C0K030562-007	**Work Order #...:**	L9HJF1AK	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308011
Prep Date.....:	11/04/10	**Analysis Date..:**	11/04/10		
Prep Batch #...:	0308035	**Analysis Time..:**	19:27		
Dilution Factor:	9.9	**Initial Wgt/Vol:**	30.3 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	70	**Analyst ID.....:**	430261	**Instrument ID..:**	732
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**28 J**	**220**	**ug/kg**	**21**
Acenaphthylene	ND	220	ug/kg	26
Acetophenone	ND	1100	ug/kg	92
Anthracene	**89 J**	**220**	**ug/kg**	**22**
Atrazine	ND	1100	ug/kg	110
Benzo(a)anthracene	**470**	**220**	**ug/kg**	**28**
Benzo(a)pyrene	**1100**	**220**	**ug/kg**	**22**
Benzo(b)fluoranthene	**990**	**220**	**ug/kg**	**35**
Benzo(ghi)perylene	**890**	**220**	**ug/kg**	**22**
Benzo(k)fluoranthene	**300**	**220**	**ug/kg**	**45**
Benzaldehyde	ND	1100	ug/kg	170
1,1'-Biphenyl	ND	1100	ug/kg	100
bis(2-Chloroethoxy) methane	ND	1100	ug/kg	74
bis(2-Chloroethyl)-ether	ND	220	ug/kg	30
bis(2-Ethylhexyl) phthalate	**800 J**	**1100**	**ug/kg**	**180**
4-Bromophenyl phenyl ether	ND	1100	ug/kg	97
Butyl benzyl phthalate	ND	1100	ug/kg	150
Caprolactam	ND	5700	ug/kg	860
Carbazole	**78 J**	**220**	**ug/kg**	**21**
4-Chloroaniline	ND	1100	ug/kg	90
4-Chloro-3-methylphenol	ND	1100	ug/kg	100
2-Chloronaphthalene	ND	220	ug/kg	23
2-Chlorophenol	ND	1100	ug/kg	91
4-Chlorophenyl phenyl ether	ND	1100	ug/kg	120
Chrysene	**770**	**220**	**ug/kg**	**27**
Dibenz(a,h)anthracene	**690**	**220**	**ug/kg**	**25**
Dibenzofuran	ND	1100	ug/kg	110
3,3'-Dichlorobenzidine	ND	1100	ug/kg	120
2,4-Dichlorophenol	ND	220	ug/kg	22
Diethyl phthalate	ND	1100	ug/kg	120
2,4-Dimethylphenol	ND	1100	ug/kg	170
Dimethyl phthalate	ND	1100	ug/kg	120

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Leo Brausch Consulting

Client Sample ID: 20100842 SD10-04

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-007 **Work Order #...:** L9HJF1AK **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	1100	ug/kg	140
4,6-Dinitro-2-methylphenol	ND	5700	ug/kg	450
2,4-Dinitrophenol	ND	5700	ug/kg	1300
2,4-Dinitrotoluene	ND	1100	ug/kg	90
2,6-Dinitrotoluene	ND	1100	ug/kg	120
Di-n-octyl phthalate	ND	1100	ug/kg	120
Fluoranthene	**1300**	**220**	**ug/kg**	**24**
Fluorene	ND	220	ug/kg	29
Hexachlorobenzene	ND	220	ug/kg	24
Hexachlorobutadiene	ND	220	ug/kg	25
Hexachlorocyclopentadiene	ND	1100	ug/kg	120
Hexachloroethane	ND	1100	ug/kg	80
Indeno(1,2,3-cd)pyrene	**980**	**220**	**ug/kg**	**23**
Isophorone	ND	1100	ug/kg	84
2-Methylnaphthalene	ND	220	ug/kg	20
2-Methylphenol	ND	1100	ug/kg	78
4-Methylphenol	ND	1100	ug/kg	110
Naphthalene	ND	220	ug/kg	19
2-Nitroaniline	ND	5700	ug/kg	500
3-Nitroaniline	ND	5700	ug/kg	460
4-Nitroaniline	ND	5700	ug/kg	450
Nitrobenzene	ND	220	ug/kg	93
2-Nitrophenol	ND	1100	ug/kg	120
4-Nitrophenol	ND	5700	ug/kg	380
N-Nitrosodi-n-propylamine	ND	220	ug/kg	26
N-Nitrosodiphenylamine	ND	220	ug/kg	100
2,2'-oxybis(1-Chloropropane)	ND	220	ug/kg	24
Pentachlorophenol	ND	1100	ug/kg	100
Phenanthrene	**410**	**220**	**ug/kg**	**36**
Phenol	ND	220	ug/kg	26
Pyrene	**920**	**220**	**ug/kg**	**23**
2,4,5-Trichlorophenol	ND	1100	ug/kg	120
2,4,6-Trichlorophenol	ND	1100	ug/kg	170

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Client Sample ID: 20100842 SD10-04

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-007 **Work Order #...:** L9HJF1AK **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	NC,DIL	(27 - 110)
Terphenyl-d14	NC,DIL	(21 - 130)
2-Fluorobiphenyl	NC,DIL	(28 - 108)
2-Fluorophenol	NC,DIL	(28 - 107)
Phenol-d5	NC,DIL	(30 - 112)
2,4,6-Tribromophenol	NC,DIL	(21 - 116)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Leo Brausch Consulting

Client Sample ID: 20100876 RSD10-01SV

GC/MS Semivolatiles

Lot-Sample #...:	C0K030562-008	**Work Order #...:**	L9HJG1AK	**Matrix.....:**	SOLID
Date Sampled...:	10/19/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308011
Prep Date.....:	11/04/10	**Analysis Date..:**	11/04/10		
Prep Batch #...:	0308035	**Analysis Time..:**	20:05		
Dilution Factor:	2.48	**Initial Wgt/Vol:**	30.3 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	88	**Analyst ID.....:**	430261	**Instrument ID..:**	732
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	140	ug/kg	14
Acenaphthylene	ND	140	ug/kg	16
Acetophenone	ND	710	ug/kg	59
Anthracene	**14 J**	**140**	**ug/kg**	**14**
Atrazine	ND	710	ug/kg	70
Benzo(a)anthracene	**68 J**	**140**	**ug/kg**	**18**
Benzo(a)pyrene	**380**	**140**	**ug/kg**	**14**
Benzo(b)fluoranthene	**92 J**	**140**	**ug/kg**	**22**
Benzo(ghi)perylene	**99 J**	**140**	**ug/kg**	**14**
Benzo(k)fluoranthene	**79 J**	**140**	**ug/kg**	**29**
Benzaldehyde	ND	710	ug/kg	110
1,1'-Biphenyl	ND	710	ug/kg	66
bis(2-Chloroethoxy) methane	ND	710	ug/kg	47
bis(2-Chloroethyl)-ether	ND	140	ug/kg	19
bis(2-Ethylhexyl) phthalate	ND	710	ug/kg	120
4-Bromophenyl phenyl ether	ND	710	ug/kg	62
Butyl benzyl phthalate	ND	710	ug/kg	98
Caprolactam	ND	3600	ug/kg	550
Carbazole	ND	140	ug/kg	13
4-Chloroaniline	ND	710	ug/kg	57
4-Chloro-3-methylphenol	ND	710	ug/kg	66
2-Chloronaphthalene	ND	140	ug/kg	15
2-Chlorophenol	ND	710	ug/kg	58
4-Chlorophenyl phenyl ether	ND	710	ug/kg	79
Chrysene	**86 J**	**140**	**ug/kg**	**17**
Dibenz(a,h)anthracene	ND	140	ug/kg	16
Dibenzofuran	ND	710	ug/kg	70
3,3'-Dichlorobenzidine	ND	710	ug/kg	76
2,4-Dichlorophenol	ND	140	ug/kg	14
Diethyl phthalate	ND	710	ug/kg	78
2,4-Dimethylphenol	ND	710	ug/kg	110
Dimethyl phthalate	ND	710	ug/kg	78

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100876 RSD10-01SV

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-008 **Work Order #...:** L9HJG1AK **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	710	ug/kg	90
4,6-Dinitro-2-methylphenol	ND	3600	ug/kg	290
2,4-Dinitrophenol	ND	3600	ug/kg	850
2,4-Dinitrotoluene	ND	710	ug/kg	58
2,6-Dinitrotoluene	ND	710	ug/kg	74
Di-n-octyl phthalate	ND	710	ug/kg	75
Fluoranthene	**110 J**	**140**	**ug/kg**	**15**
Fluorene	ND	140	ug/kg	19
Hexachlorobenzene	ND	140	ug/kg	15
Hexachlorobutadiene	ND	140	ug/kg	16
Hexachlorocyclopentadiene	ND	710	ug/kg	77
Hexachloroethane	ND	710	ug/kg	51
Indeno(1,2,3-cd)pyrene	**370**	**140**	**ug/kg**	**15**
Isophorone	ND	710	ug/kg	54
2-Methylnaphthalene	ND	140	ug/kg	13
2-Methylphenol	ND	710	ug/kg	50
4-Methylphenol	ND	710	ug/kg	70
Naphthalene	ND	140	ug/kg	12
2-Nitroaniline	ND	3600	ug/kg	320
3-Nitroaniline	ND	3600	ug/kg	290
4-Nitroaniline	ND	3600	ug/kg	290
Nitrobenzene	ND	140	ug/kg	60
2-Nitrophenol	ND	710	ug/kg	79
4-Nitrophenol	ND	3600	ug/kg	240
N-Nitrosodi-n-propylamine	ND	140	ug/kg	17
N-Nitrosodiphenylamine	ND	140	ug/kg	66
2,2'-oxybis (1-Chloropropane)	ND	140	ug/kg	15
Pentachlorophenol	ND	710	ug/kg	64
Phenanthrene	**56 J**	**140**	**ug/kg**	**23**
Phenol	ND	140	ug/kg	17
Pyrene	**87 J**	**140**	**ug/kg**	**14**
2,4,5-Trichlorophenol	ND	710	ug/kg	76
2,4,6-Trichlorophenol	ND	710	ug/kg	110

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100876 RSD10-01SV

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-008 **Work Order #...:** L9HJG1AK **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	64	(27 - 110)
Terphenyl-d14	49	(21 - 130)
2-Fluorobiphenyl	55	(28 - 108)
2-Fluorophenol	55	(28 - 107)
Phenol-d5	56	(30 - 112)
2,4,6-Tribromophenol	45	(21 - 116)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

SW846 8270C SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Lot #: C0K030562

Extraction: XXA4F4201

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	TOT OUT
01	20100836 RSD10-01	63	44	51	56	57	40	00
02	20100837 SD10-01	0 D	0 D	0 D	0 D	0 D	0 D	06
03	20100838 SD10-DUP	0 D	0 D	0 D	0 D	0 D	0 D	06
04	20100839 SD10-06	50	43	49	41	46	41	00
05	20100840 SD10-08	51	36	42	41	43	34	00
06	20100841 SD10-03	0 D	0 D	0 D	0 D	0 D	0 D	06
07	20100842 SD10-04	0 D	0 D	0 D	0 D	0 D	0 D	06
08	20100876 RSD10-01SV	64	49	55	55	56	45	00
09	METHOD BLK. L9HV81AA	71	66	58	70	72	54	00
10	LCS L9HV81AC	98	95	81	98	89	83	00
11	20100836 RSD10-01 D	72	54	57	70	73	52	00
12	20100836 RSD10-01 S	42	35	38	41	44	30	00

SURROGATES		QC LIMITS
SRG01	= Nitrobenzene-d5	(27-110)
SRG02	= Terphenyl-d14	(21-130)
SRG03	= 2-Fluorobiphenyl	(28-108)
SRG04	= 2-Fluorophenol	(28-107)
SRG05	= Phenol-d5	(30-112)
SRG06	= 2,4,6-Tribromophenol	(21-116)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8270C CHECK SAMPLE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Lot #: C0K040000 WO #: L9HV81AC
BATCH: 0308035

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
2-Chlorophenol	333	287	86	40 - 105	
1,4-Dichlorobenzene	333	289	87	41 - 101	
Phenol	333	282	85	39 - 105	
N-Nitrosodi-n-propylamine	333	299	90	42 - 108	
1,2,4-Trichlorobenzene	333	281	84	41 - 105	
4-Chloro-3-methylphenol	333	275	82	43 - 110	
Acenaphthene	333	264	79	42 - 104	
4-Nitrophenol	333	324	97	27 - 131	
2,4-Dinitrotoluene	333	300	90	48 - 118	
Pentachlorophenol	333	289	87	18 - 125	
Pyrene	333	301	90	39 - 113	
4-Methylphenol	667	541	81	43 - 107	
Hexachloroethane	333	298	89	40 - 102	
Naphthalene	333	267	80	42 - 104	
4-Bromophenyl phenyl ethe	333	287	86	43 - 111	
Butyl benzyl phthalate	333	315	94	40 - 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 16 outside limits

COMMENTS:

FORM III

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Matrix Spike ID: 20100836 RSD10-01 Level:(low/med) LOW

Lot #: C0K030562 WO #: L9HH31A7
BATCH: 0308035

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Phenol	2640	ND	1120	43	39 - 105	
2-Chlorophenol	2640	ND	1060	40	40 - 105	
1,4-Dichlorobenzene	2640	ND	1030	39*	41 - 101	a
N-Nitrosodi-n-propylamine	2640	ND	1210	46	42 - 108	
1,2,4-Trichlorobenzene	2640	ND	1010	38*	41 - 105	a
4-Chloro-3-methylphenol	2640	ND	912	35*	43 - 110	a
Acenaphthene	2640	ND	958	36*	42 - 104	a
4-Nitrophenol	2640	ND	692	26*	27 - 131	a
2,4-Dinitrotoluene	2640	ND	848	32*	48 - 118	a
Pentachlorophenol	2640	ND	1180	45	18 - 125	
Pyrene	2640	72	945	33*	39 - 113	a
4-Methylphenol	5280	ND	2220	42*	43 - 107	a
Hexachloroethane	2640	ND	936	35*	40 - 102	a
Naphthalene	2640	ND	1000	38*	42 - 104	a
4-Bromophenyl phenyl ethe	2640	ND	934	35*	43 - 111	a
Butyl benzyl phthalate	2640	ND	934	33*	40 - 117	a

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 12 out of 16 outside limits

COMMENTS:

FORM III

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Matrix Spike ID: 20100836 RSD10-01 Level:(low/med) LOW

Lot #: C0K030562 WO #: L9HH31A8
BATCH: 0308035

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD		QC LIMITS RPD	QC LIMITS REC	QUAL
Phenol	2640	1840	70	48	*	40	39- 105	p
2-Chlorophenol	2640	1730	65	48	*	37	40- 105	p
1,4-Dichlorobenzene	2640	1730	65	51	*	32	41- 101	p
N-Nitrosodi-n-propylamine	2640	1890	71	44	*	32	42- 108	p
1,2,4-Trichlorobenzene	2640	1680	64	50	*	36	41- 105	p
4-Chloro-3-methylphenol	2640	1670	63	59	*	31	43- 110	p
Acenaphthene	2640	1650	63	53	*	34	42- 104	p
4-Nitrophenol	2640	1550	59	76	*	33	27- 131	p
2,4-Dinitrotoluene	2640	1650	63	64	*	33	48- 118	p
Pentachlorophenol	2640	1850	70	44	*	34	18- 125	p
Pyrene	2640	1470	53	43	*	28	39- 113	p
4-Methylphenol	5280	3880	73	54	*	36	43- 107	p
Hexachloroethane	2640	1770	67	62	*	34	40- 102	p
Naphthalene	2640	1690	64	51	*	25	42- 104	p
4-Bromophenyl phenyl ethe	2640	1530	58	48	*	20	43- 111	p
Butyl benzyl phthalate	2640	1700	62	58	*	34	40- 117	p

NOTES(S):

p Relative percent difference (RPD) is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 16 out of 16 outside limits
Spike Recovery: 0 out of 16 outside limits

COMMENTS:

FORM III

SW846 8270C METHOD BLANK SUMMARY

BLANK WORKORDER NO.: L9HV81AA

Lab Name: TestAmerica Laboratories, Inc.

Lab Code: TALPIT

SDG Number:

Lab File ID: D1104009.

Lot Number: C0K030562

Date Analyzed: 11/04/10

Time Analyzed: 13:31

Matrix: SOLID

Date Extracted:11/04/10

GC Column: DB5 ID: .32

Extraction Method:

Instrument ID: 732

Level:(low/med) LOW

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS, LCSD, MS , MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	20100836 RSD10-01	L9HH31AC	D1104011.	11/04/10	16:07
02	20100836 RSD10-01	L9HH31A7 S	D1104012.	11/04/10	16:26
03	20100836 RSD10-01	L9HH31A8 D	D1108025.	11/08/10	16:24
04	20100837 SD10-01	L9HH61AK	D1104014.	11/04/10	16:54
05	20100838 SD10-DUP	L9HH81AK	D1104016.	11/04/10	17:32
06	20100839 SD10-06	L9HH91AK	D1104018.	11/04/10	18:10
07	20100840 SD10-08	L9HJC1AK	D1104019.	11/04/10	18:29
08	20100841 SD10-03	L9HJD1AK	D1104020.	11/04/10	18:48
09	20100842 SD10-04	L9HJF1AK	D1104022.	11/04/10	19:27
10	20100876 RSD10-01SV	L9HJG1AK	D1104024.	11/04/10	20:05
11	CHECK SAMPLE	L9HV81AC C	D1104010.	11/04/10	15:09
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COMMENTS:

FORM IV

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C0K030562 Work Order #...: L9HV81AA Matrix.....: SOLID
MB Lot-Sample #: C0K040000-035

Prep Date.....: 11/04/10 Analysis Time..: 13:31
Analysis Date..: 11/04/10 Prep Batch #...: 0308035 Final Wgt/Vol..: 0.5 mL
Dilution Factor: 0.5 Initial Wgt/Vol: 30 g Instrument ID..: 732
Analyst ID.....: 430261

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	3.4	ug/kg	SW846 8270C
Acenaphthylene	ND	3.4	ug/kg	SW846 8270C
Acetophenone	ND	16	ug/kg	SW846 8270C
Anthracene	ND	3.4	ug/kg	SW846 8270C
Atrazine	ND	16	ug/kg	SW846 8270C
Benzo(a)anthracene	ND	3.4	ug/kg	SW846 8270C
Benzo(a)pyrene	ND	3.4	ug/kg	SW846 8270C
Benzo(b)fluoranthene	ND	3.4	ug/kg	SW846 8270C
Benzo(ghi)perylene	ND	3.4	ug/kg	SW846 8270C
Benzo(k)fluoranthene	ND	3.4	ug/kg	SW846 8270C
Benzaldehyde	ND	16	ug/kg	SW846 8270C
1,1'-Biphenyl	ND	16	ug/kg	SW846 8270C
bis(2-Chloroethoxy) methane	ND	16	ug/kg	SW846 8270C
bis(2-Chloroethyl)-ether	ND	3.4	ug/kg	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	16	ug/kg	SW846 8270C
4-Bromophenyl phenyl ether	ND	16	ug/kg	SW846 8270C
Butyl benzyl phthalate	ND	16	ug/kg	SW846 8270C
Caprolactam	ND	85	ug/kg	SW846 8270C
Carbazole	ND	3.4	ug/kg	SW846 8270C
4-Chloroaniline	ND	16	ug/kg	SW846 8270C
4-Chloro-3-methylphenol	ND	16	ug/kg	SW846 8270C
2-Chloronaphthalene	ND	3.4	ug/kg	SW846 8270C
2-Chlorophenol	ND	16	ug/kg	SW846 8270C
4-Chlorophenyl phenyl ether	ND	16	ug/kg	SW846 8270C
Chrysene	ND	3.4	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	ND	3.4	ug/kg	SW846 8270C
Dibenzofuran	ND	16	ug/kg	SW846 8270C
3,3'-Dichlorobenzidine	ND	16	ug/kg	SW846 8270C
2,4-Dichlorophenol	ND	3.4	ug/kg	SW846 8270C
Diethyl phthalate	ND	16	ug/kg	SW846 8270C
2,4-Dimethylphenol	ND	16	ug/kg	SW846 8270C
Dimethyl phthalate	ND	16	ug/kg	SW846 8270C
Di-n-butyl phthalate	ND	16	ug/kg	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	85	ug/kg	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C0K030562 Work Order #...: L9HV81AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-Dinitrophenol	ND	85	ug/kg	SW846 8270C
2,4-Dinitrotoluene	ND	16	ug/kg	SW846 8270C
2,6-Dinitrotoluene	ND	16	ug/kg	SW846 8270C
Di-n-octyl phthalate	ND	16	ug/kg	SW846 8270C
Fluoranthene	ND	3.4	ug/kg	SW846 8270C
Fluorene	ND	3.4	ug/kg	SW846 8270C
Hexachlorobenzene	ND	3.4	ug/kg	SW846 8270C
Hexachlorobutadiene	ND	3.4	ug/kg	SW846 8270C
Hexachlorocyclopenta-diene	ND	16	ug/kg	SW846 8270C
Hexachloroethane	ND	16	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	3.4	ug/kg	SW846 8270C
Isophorone	ND	16	ug/kg	SW846 8270C
2-Methylnaphthalene	ND	3.4	ug/kg	SW846 8270C
2-Methylphenol	ND	16	ug/kg	SW846 8270C
4-Methylphenol	ND	16	ug/kg	SW846 8270C
Naphthalene	ND	3.4	ug/kg	SW846 8270C
2-Nitroaniline	ND	85	ug/kg	SW846 8270C
3-Nitroaniline	ND	85	ug/kg	SW846 8270C
4-Nitroaniline	ND	85	ug/kg	SW846 8270C
Nitrobenzene	ND	3.4	ug/kg	SW846 8270C
2-Nitrophenol	ND	16	ug/kg	SW846 8270C
4-Nitrophenol	ND	85	ug/kg	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	3.4	ug/kg	SW846 8270C
N-Nitrosodiphenylamine	ND	3.4	ug/kg	SW846 8270C
2,2'-oxybis (1-Chloropropane)	ND	3.4	ug/kg	SW846 8270C
Pentachlorophenol	ND	16	ug/kg	SW846 8270C
Phenanthrene	ND	3.4	ug/kg	SW846 8270C
Phenol	ND	3.4	ug/kg	SW846 8270C
Pyrene	ND	3.4	ug/kg	SW846 8270C
2,4,5-Trichloro-phenol	ND	16	ug/kg	SW846 8270C
2,4,6-Trichloro-phenol	ND	16	ug/kg	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	71	(27 - 110)
Terphenyl-d14	66	(21 - 130)
2-Fluorobiphenyl	58	(28 - 108)
2-Fluorophenol	70	(28 - 107)
Phenol-d5	72	(30 - 112)
2,4,6-Tribromophenol	54	(21 - 116)

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C0K030562 Work Order #...: L9HV81AA Matrix.....: SOLID

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: C0K030562

Lab File ID (Standard): D1104CC1 Date Analyzed: 11/04/10

Instrument ID: 732 Time Analyzed: 1227

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	55787	4.38	268778	5.41	205021	6.82
	UPPER LIMIT	111574	4.88	537556	5.91	410042	7.32
	LOWER LIMIT	27894	3.88	134389	4.91	102511	6.32
	CLIENT SAMPLE NO.						
01	INTRA-LAB BL	50911	4.37	250669	5.40	196787	6.81
02	INTRA-LAB CH	49797	4.38	245708	5.40	181160	6.82
03	20100836 RSD	81275	4.37	376931	5.40	264157	6.81
04	20100836 RSD	53687	4.37	259352	5.40	183182	6.81
05	20100837 SD1	50514	4.40	233840	5.43	166573	6.84
06	20100838 SD1	50604	4.37	230908	5.40	159363	6.82
07	20100839 SD1	52301	4.37	232391	5.40	154756	6.82
08	20100840 SD1	53162	4.37	238801	5.40	164775	6.81
09	20100841 SD1	51074	4.37	238709	5.40	169061	6.81
10	20100842 SD1	53970	4.37	242151	5.40	172800	6.81
11	20100876 RSD	49007	4.37	213780	5.40	154951	6.81
12							
13							
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19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: C0K030562

Lab File ID (Standard): D1104CC1 Date Analyzed: 11/04/10

Instrument ID: 732 Time Analyzed: 1227

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	383240	8.01	366491	10.14	320716	11.56
	UPPER LIMIT	766480	8.51	732982	10.64	641432	12.06
	LOWER LIMIT	191620	7.51	183246	9.64	160358	11.06
	CLIENT SAMPLE NO.						
01	INTRA-LAB BL	359993	8.00	329338	10.14	273772	11.55
02	INTRA-LAB CH	316173	8.01	290691	10.14	276653	11.55
03	20100836 RSD	488961	8.00	539690	10.14	532547	11.55
04	20100836 RSD	331315	8.00	353794	10.14	336232	11.55
05	20100837 SD1	292017	8.03	331635	10.16	318619	11.59
06	20100838 SD1	298778	8.01	339393	10.14	338839	11.56
07	20100839 SD1	290250	8.01	338639	10.14	355430	11.56
08	20100840 SD1	308135	8.00	365916	10.14	388200	11.56
09	20100841 SD1	320125	8.00	380635	10.14	412343	11.56
10	20100842 SD1	314983	8.00	375893	10.14	397297	11.56
11	20100876 RSD	293951	8.01	350256	10.14	383413	11.56
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: DFTPP050

Lab File ID (Standard): D1108CC1 Date Analyzed: 11/08/10

Instrument ID: 732 Time Analyzed: 1306

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	65431	4.37	312320	5.39	249829	6.80
	UPPER LIMIT	130862	4.87	624640	5.89	499658	7.30
	LOWER LIMIT	32716	3.87	156160	4.89	124915	6.30
	CLIENT SAMPLE NO.						
01	20100836 RSD	55286	4.37	276897	5.39	221180	6.80
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: DFTPP050

Lab File ID (Standard): D1108CC1 Date Analyzed: 11/08/10

Instrument ID: 732 Time Analyzed: 1306

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	478359	7.98	510926	10.10	501653	11.49
	UPPER LIMIT	956718	8.48	1021852	10.60	1003306	11.99
	LOWER LIMIT	239180	7.48	255463	9.60	250827	10.99
	CLIENT SAMPLE NO.						
01	20100836 RSD	434345	7.98	532255	10.10	567009	11.50
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

PCB SUMMARY

Leo Brausch Consulting

Client Sample ID: 20100836 RSD10-01

GC Semivolatiles

Lot-Sample #...:	C0K030562-001	**Work Order #...:**	L9HH31AD	**Matrix.....:**	SOLID
Date Sampled...:	10/19/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308033
Prep Date.....:	11/04/10	**Analysis Date..:**	11/21/10		
Prep Batch #...:	0308058	**Analysis Time..:**	05:28		
Dilution Factor:	5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	87	**Analyst ID.....:**	402331	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	660	ug/kg	98
Aroclor 1221	ND	660	ug/kg	130
Aroclor 1232	ND	660	ug/kg	110
Aroclor 1242	ND	660	ug/kg	110
Aroclor 1248	ND	660	ug/kg	62
Aroclor 1254	ND	660	ug/kg	94
Aroclor 1260	ND	660	ug/kg	94

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(35 - 140)
Decachlorobiphenyl	NC,DIL	(35 - 140)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Leo Brausch Consulting

Client Sample ID: 20100837 SD10-01

GC Semivolatiles

Lot-Sample #...: C0K030562-002	**Work Order #...:** L9HH61AL	**Matrix.....:** SOLID
Date Sampled...: 10/20/10	**Date Received..:** 11/03/10	**MS Run #.....:** 0308033
Prep Date.....: 11/04/10	**Analysis Date..:** 11/21/10	
Prep Batch #...: 0308058	**Analysis Time..:** 05:54	
Dilution Factor: 4.93	**Initial Wgt/Vol:** 15.2 g	**Final Wgt/Vol..:** 10 mL
% Moisture.....: 78	**Analyst ID.....:** 402331	**Instrument ID..:** S/T
	Method.....: SW846 8082	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	380	ug/kg	57
Aroclor 1221	ND	380	ug/kg	73
Aroclor 1232	ND	380	ug/kg	65
Aroclor 1242	ND	380	ug/kg	62
Aroclor 1248	ND	380	ug/kg	36
Aroclor 1254	**700**	**380**	**ug/kg**	**54**
Aroclor 1260	ND	380	ug/kg	54

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(35 - 140)
Decachlorobiphenyl	NC,DIL	(35 - 140)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Leo Brausch Consulting

Client Sample ID: 20100838 SD10-DUP

GC Semivolatiles

Lot-Sample #...: C0K030562-003	**Work Order #...:** L9HH81AL	**Matrix.....:** SOLID
Date Sampled...: 10/20/10	**Date Received..:** 11/03/10	**MS Run #.....:** 0308033
Prep Date.....: 11/04/10	**Analysis Date..:** 11/21/10	
Prep Batch #...: 0308058	**Analysis Time..:** 07:10	
Dilution Factor: 4.97	**Initial Wgt/Vol:** 15.1 g	**Final Wgt/Vol..:** 10 mL
% Moisture.....: 78	**Analyst ID.....:** 402331	**Instrument ID..:** S/T
	Method.....: SW846 8082	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	380	ug/kg	56
Aroclor 1221	ND	380	ug/kg	72
Aroclor 1232	ND	380	ug/kg	65
Aroclor 1242	ND	380	ug/kg	61
Aroclor 1248	ND	380	ug/kg	36
Aroclor 1254	**800**	**380**	**ug/kg**	**54**
Aroclor 1260	ND	380	ug/kg	54

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(35 - 140)
Decachlorobiphenyl	NC,DIL	(35 - 140)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Leo Brausch Consulting

Client Sample ID: 20100839 SD10-06

GC Semivolatiles

Lot-Sample #...:	C0K030562-004	**Work Order #...:**	L9HH91AL	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308033
Prep Date.....:	11/04/10	**Analysis Date..:**	11/21/10		
Prep Batch #...:	0308058	**Analysis Time..:**	07:35		
Dilution Factor:	5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	68	**Analyst ID.....:**	402331	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	260	ug/kg	39
Aroclor 1221	ND	260	ug/kg	50
Aroclor 1232	ND	260	ug/kg	45
Aroclor 1242	ND	260	ug/kg	43
Aroclor 1248	ND	260	ug/kg	25
Aroclor 1254	**260**	**260**	**ug/kg**	**37**
Aroclor 1260	ND	260	ug/kg	37

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(35 - 140)
Decachlorobiphenyl	NC,DIL	(35 - 140)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Leo Brausch Consulting

Client Sample ID: 20100840 SD10-08

GC Semivolatiles

Lot-Sample #...:	C0K030562-005	**Work Order #...:**	L9HJC1AL	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308033
Prep Date.....:	11/04/10	**Analysis Date..:**	11/21/10		
Prep Batch #...:	0308058	**Analysis Time..:**	08:00		
Dilution Factor:	4.87	**Initial Wgt/Vol:**	15.4 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	72	**Analyst ID.....:**	402331	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	290	ug/kg	44
Aroclor 1221	ND	290	ug/kg	56
Aroclor 1232	ND	290	ug/kg	50
Aroclor 1242	ND	290	ug/kg	48
Aroclor 1248	ND	290	ug/kg	28
Aroclor 1254	**520**	**290**	**ug/kg**	**42**
Aroclor 1260	ND	290	ug/kg	42

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(35 - 140)
Decachlorobiphenyl	NC,DIL	(35 - 140)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Leo Brausch Consulting

Client Sample ID: 20100841 SD10-03

GC Semivolatiles

Lot-Sample #...:	C0K030562-006	**Work Order #...:**	L9HJD1AL	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308033
Prep Date.....:	11/04/10	**Analysis Date..:**	11/21/10		
Prep Batch #...:	0308058	**Analysis Time..:**	08:26		
Dilution Factor:	5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	73	**Analyst ID.....:**	402331	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	310	ug/kg	46
Aroclor 1221	ND	310	ug/kg	58
Aroclor 1232	ND	310	ug/kg	52
Aroclor 1242	ND	310	ug/kg	50
Aroclor 1248	ND	310	ug/kg	29
Aroclor 1254	**480**	**310**	**ug/kg**	**44**
Aroclor 1260	ND	310	ug/kg	44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(35 - 140)
Decachlorobiphenyl	NC,DIL	(35 - 140)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Leo Brausch Consulting

Client Sample ID: 20100842 SD10-04

GC Semivolatiles

Lot-Sample #...:	C0K030562-007	**Work Order #...:**	L9HJF1AL	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308033
Prep Date.....:	11/04/10	**Analysis Date..:**	11/21/10		
Prep Batch #...:	0308058	**Analysis Time..:**	08:51		
Dilution Factor:	5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	70	**Analyst ID.....:**	402331	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	280	ug/kg	42
Aroclor 1221	ND	280	ug/kg	54
Aroclor 1232	ND	280	ug/kg	48
Aroclor 1242	ND	280	ug/kg	46
Aroclor 1248	ND	280	ug/kg	27
Aroclor 1254	**550**	**280**	**ug/kg**	**40**
Aroclor 1260	ND	280	ug/kg	40

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(35 - 140)
Decachlorobiphenyl	NC,DIL	(35 - 140)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Leo Brausch Consulting

Client Sample ID: 20100876 RSD10-01SV

GC Semivolatiles

Lot-Sample #...:	C0K030562-008	**Work Order #...:**	L9HJG1AL	**Matrix.....:**	SOLID
Date Sampled...:	10/19/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308033
Prep Date.....:	11/04/10	**Analysis Date..:**	11/21/10		
Prep Batch #...:	0308058	**Analysis Time..:**	09:16		
Dilution Factor:	4.9	**Initial Wgt/Vol:**	15.3 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	88	**Analyst ID.....:**	402331	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	710	ug/kg	100
Aroclor 1221	ND	710	ug/kg	130
Aroclor 1232	ND	710	ug/kg	120
Aroclor 1242	ND	710	ug/kg	110
Aroclor 1248	ND	710	ug/kg	67
Aroclor 1254	ND	710	ug/kg	100
Aroclor 1260	ND	710	ug/kg	100

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(35 - 140)
Decachlorobiphenyl	NC,DIL	(35 - 140)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

SW846 8082 SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Lot #: C0K030562

Extraction: XXA4FQH01

	CLIENT ID.	SRG01	SRG02	TOT OUT
01	20100836 RSD10-01	0 D	0 D	02
02	20100837 SD10-01	0 D	0 D	02
03	20100838 SD10-DUP	0 D	0 D	02
04	20100839 SD10-06	0 D	0 D	02
05	20100840 SD10-08	0 D	0 D	02
06	20100841 SD10-03	0 D	0 D	02
07	20100842 SD10-04	0 D	0 D	02
08	20100876 RSD10-01SV	0 D	0 D	02
09	METHOD BLK. L9HXF1AA	103	86	00
10	LCS L9HXF1AC	103	92	00
11	20100837 SD10-01 D	0 D	0 D	02
12	20100837 SD10-01 S	0 D	0 D	02

SURROGATES		QC LIMITS
SRG01	= Tetrachloro-m-xylene	(35-140)
SRG02	= Decachlorobiphenyl	(35-140)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8082 CHECK SAMPLE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Lot #: C0K040000 WO #: L9HXF1AC
BATCH: 0308058

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	667	504	76	55- 130	
Aroclor 1260	667	524	79	54- 130	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Matrix Spike ID: 20100837 SD10-01 Level:(low/med) LOW

Lot #: C0K030562 WO #: L9HH61A7
BATCH: 0308058

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Aroclor 1016	3080	ND		0*	55 - 130	NC DIL
Aroclor 1260	3080	ND		0*	54 - 130	NC DIL

NOTES(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 2 out of 2 outside limits

COMMENTS:

FORM III

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Matrix Spike ID: 20100837 SD10-01 Level:(low/med) LOW

Lot #: C0K030562 WO #: L9HH61A8
BATCH: 0308058

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Aroclor 1016	3080		0*		35	55 - 130	NC DIL
Aroclor 1260	3080		0*		29	54 - 130	NC DIL

NOTES(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 2 out of 2 outside limits

COMMENTS:

FORM III

SW846 8082 METHOD BLANK SUMMARY

BLANK WORKORDER NO.: L9HXF1AA

Lab Name: TestAmerica Laboratories, Inc.

Lab Code: TALPIT

SDG Number:

Lab File ID: S1100768.

Lot Number: C0K030562

Matrix: SOLID

Extraction Method: 3541

Date Extracted: 11/04/10

Date Analyzed(1): 11/21/10

Date Analyzed(2): N/A

Time Analyzed(1): 09:42

Time Analyzed(2): N/A

Instrument ID(1): S/T

Instrument ID(2): N/A

GC Column(1): MR1/MR2 ID: 053 GC Column(2): N/A ID: N/A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED(1)	DATE ANALYZED(2)
01	20100836 RSD10-01	L9HH31AD	11/21/10	N/A
02	20100837 SD10-01	L9HH61AL	11/21/10	N/A
03	20100837 SD10-01	L9HH61A7 S	11/21/10	N/A
04	20100837 SD10-01	L9HH61A8 D	11/21/10	N/A
05	20100838 SD10-DUP	L9HH81AL	11/21/10	N/A
06	20100839 SD10-06	L9HH91AL	11/21/10	N/A
07	20100840 SD10-08	L9HJC1AL	11/21/10	N/A
08	20100841 SD10-03	L9HJD1AL	11/21/10	N/A
09	20100842 SD10-04	L9HJF1AL	11/21/10	N/A
10	20100876 RSD10-01SV	L9HJG1AL	11/21/10	N/A
11	CHECK SAMPLE	L9HXF1AC C	11/21/10	N/A
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:

FORM IV

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: C0K030562 **Work Order #...:** L9HXF1AA **Matrix.....:** SOLID
MB Lot-Sample #: C0K040000-058

Prep Date.....: 11/04/10 **Analysis Time..:** 09:42
Analysis Date..: 11/21/10 **Prep Batch #...:** 0308058 **Final Wgt/Vol..:** 10 mL
Dilution Factor: 1 **Initial Wgt/Vol:** 15 g **Instrument ID..:** S/T
Analyst ID.....: 402331

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	17	ug/kg	SW846 8082
Aroclor 1221	ND	17	ug/kg	SW846 8082
Aroclor 1232	ND	17	ug/kg	SW846 8082
Aroclor 1242	ND	17	ug/kg	SW846 8082
Aroclor 1248	ND	17	ug/kg	SW846 8082
Aroclor 1254	ND	17	ug/kg	SW846 8082
Aroclor 1260	ND	17	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	103	(35 - 140)
Decachlorobiphenyl	86	(35 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METALS SUMMARY

Leo Brausch Consulting

Client Sample ID: 20100836 RSD10-01

TOTAL Metals

Lot-Sample #...: C0K030562-001 Matrix.....: SOLID
Date Sampled...: 10/19/10 Date Received..: 11/03/10
% Moisture.....: 87

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0320022						
Mercury	0.12 B	0.13	mg/kg	SW846 7471A	11/16/10	L9HH31A5
		Dilution Factor: 0.5		Analysis Time..: 09:00	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0320014	MDL.....: 0.043	
Prep Batch #...: 0323296						
Silver	0.059 B	0.40	mg/kg	SW846 6020	11/19-11/22/10	L9HH31AE
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.015	
Aluminum	5490	11.9	mg/kg	SW846 6020	11/19-11/22/10	L9HH31AF
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.1	
Arsenic	12.8	0.40	mg/kg	SW846 6020	11/19-11/22/10	L9HH31AG
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.072	
Barium	259	4.0	mg/kg	SW846 6020	11/19-11/22/10	L9HH31AH
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.042	
Beryllium	0.27 B	0.40	mg/kg	SW846 6020	11/19-11/22/10	L9HH31AJ
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.030	
Calcium	71800	39.6	mg/kg	SW846 6020	11/19-11/22/10	L9HH31AK
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 5.2	
Cadmium	0.42	0.40	mg/kg	SW846 6020	11/19-11/22/10	L9HH31AL
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.028	
Cobalt	4.0	0.20	mg/kg	SW846 6020	11/19-11/22/10	L9HH31AM
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0059	

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Leo Brausch Consulting

Client Sample ID: 20100836 RSD10-01

TOTAL Metals

Lot-Sample #...: C0K030562-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	8.9 J	0.79	mg/kg	SW846 6020	11/19-11/22/10	L9HH31AN
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.024	
Copper	16.1	0.79	mg/kg	SW846 6020	11/19-11/22/10	L9HH31AP
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.13	
Iron	14400	19.8	mg/kg	SW846 6020	11/19-11/22/10	L9HH31AQ
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.4	
Potassium	653	39.6	mg/kg	SW846 6020	11/19-11/22/10	L9HH31AR
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 5.4	
Magnesium	3630 J	39.6	mg/kg	SW846 6020	11/19-11/22/10	L9HH31AT
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.74	
Manganese	179	0.20	mg/kg	SW846 6020	11/19-11/22/10	L9HH31AU
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.041	
Sodium	663	39.6	mg/kg	SW846 6020	11/19-11/22/10	L9HH31AV
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 5.4	
Nickel	10.7	0.40	mg/kg	SW846 6020	11/19-11/22/10	L9HH31AW
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.045	
Lead	42.0	0.40	mg/kg	SW846 6020	11/19-11/22/10	L9HH31AX
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.015	
Selenium	1.6 B	2.0	mg/kg	SW846 6020	11/19-11/22/10	L9HH31A0
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.20	

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Leo Brausch Consulting

Client Sample ID: 20100836 RSD10-01

TOTAL Metals

Lot-Sample #...: C0K030562-001 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.26 B**	**0.40**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31A1**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0079	
Antimony	**0.40 B**	**0.79**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31A2**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.010	
Vanadium	**10.5**	**0.40**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31A3**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.031	
Zinc	**60.2**	**2.0**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31A4**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.26	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Leo Brausch Consulting

Client Sample ID: 20100837 SD10-01

TOTAL Metals

Lot-Sample #...: C0K030562-002 **Matrix.....:** SOLID
Date Sampled...: 10/20/10 **Date Received..:** 11/03/10
% Moisture.....: 78

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0320022						
Mercury	**0.85**	**0.077**	**mg/kg**	**SW846 7471A**	**11/16/10**	**L9HH61AG**
		Dilution Factor: 0.5		Analysis Time..: 09:05	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0320014	MDL.....: 0.025	
Prep Batch #...: 0323296						
Silver	**28.7**	**0.19**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AM**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0073	
Aluminum	**12300**	**5.6**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AN**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.53	
Arsenic	**3.4**	**0.19**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AP**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.034	
Barium	**376**	**1.9**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AQ**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.020	
Beryllium	**0.52**	**0.19**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AR**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.014	
Calcium	**137000**	**18.6**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AT**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.5	
Cadmium	**283**	**0.19**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AU**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.013	
Cobalt	**11.3**	**0.093**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AV**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0028	

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Leo Brausch Consulting

Client Sample ID: 20100837 SD10-01

TOTAL Metals

Lot-Sample #...: C0K030562-002 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	370 J	0.37	mg/kg	SW846 6020	11/19-11/22/10	L9HH61AW
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.011	
Copper	467	0.37	mg/kg	SW846 6020	11/19-11/22/10	L9HH61AX
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.061	
Iron	16700	9.3	mg/kg	SW846 6020	11/19-11/22/10	L9HH61A0
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.66	
Potassium	1700	18.6	mg/kg	SW846 6020	11/19-11/22/10	L9HH61A1
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.5	
Magnesium	5380 J	18.6	mg/kg	SW846 6020	11/19-11/22/10	L9HH61A2
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.35	
Manganese	128	0.093	mg/kg	SW846 6020	11/19-11/22/10	L9HH61A3
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.019	
Sodium	629	18.6	mg/kg	SW846 6020	11/19-11/22/10	L9HH61A4
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.5	
Nickel	121	0.19	mg/kg	SW846 6020	11/19-11/22/10	L9HH61A5
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.021	
Lead	1030	0.19	mg/kg	SW846 6020	11/19-11/22/10	L9HH61A6
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0071	
Selenium	2.3	0.93	mg/kg	SW846 6020	11/19-11/22/10	L9HH61AA
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.093	

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Client Sample ID: 20100837 SD10-01

TOTAL Metals

Lot-Sample #...: C0K030562-002 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.44	0.19	mg/kg	SW846 6020	11/19-11/22/10	L9HH61AC
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0037	
Antimony	3.2	0.37	mg/kg	SW846 6020	11/19-11/22/10	L9HH61AD
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0048	
Vanadium	25.0	0.19	mg/kg	SW846 6020	11/19-11/22/10	L9HH61AE
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.015	
Zinc	5020	9.3	mg/kg	SW846 6020	11/19-11/23/10	L9HH61AF
		Dilution Factor: 4		Analysis Time..: 21:14	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.2	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Leo Brausch Consulting

Client Sample ID: 20100838 SD10-DUP

TOTAL Metals

Lot-Sample #...: C0K030562-003 **Matrix.....:** SOLID
Date Sampled...: 10/20/10 **Date Received..:** 11/03/10
% Moisture.....: 78

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0320022						
Mercury	**0.77**	**0.075**	**mg/kg**	**SW846 7471A**	**11/16/10**	**L9HH81AG**
		Dilution Factor: 0.5		Analysis Time..: 09:10	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0320014	MDL.....: 0.025	
Prep Batch #...: 0323296						
Silver	**25.8**	**0.20**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AM**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0078	
Aluminum	**11000**	**6.0**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AN**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.57	
Arsenic	**3.0**	**0.20**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AP**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.036	
Barium	**350**	**2.0**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AQ**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.021	
Beryllium	**0.46**	**0.20**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AR**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.015	
Calcium	**127000**	**20.0**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AT**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.7	
Cadmium	**253**	**0.20**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AU**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.014	
Cobalt	**10.2**	**0.10**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AV**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0030	

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Leo Brausch Consulting

Client Sample ID: 20100838 SD10-DUP

TOTAL Metals

Lot-Sample #...: C0K030562-003 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	**333 J**	**0.40**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AW**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.012	
Copper	**426**	**0.40**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AX**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.066	
Iron	**15000**	**10.0**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81A0**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.71	
Potassium	**1480**	**20.0**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81A1**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.7	
Magnesium	**4890 J**	**20.0**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81A2**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.37	
Manganese	**116**	**0.10**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81A3**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.021	
Sodium	**594**	**20.0**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81A4**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.7	
Nickel	**110**	**0.20**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81A5**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.023	
Lead	**934**	**0.20**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81A6**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0076	
Selenium	**2.0**	**1.0**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AA**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.10	

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Client Sample ID: 20100838 SD10-DUP

TOTAL Metals

Lot-Sample #...: C0K030562-003 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.39	0.20	mg/kg	SW846 6020	11/19-11/22/10	L9HH81AC
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0040	
Antimony	2.9	0.40	mg/kg	SW846 6020	11/19-11/22/10	L9HH81AD
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0052	
Vanadium	21.4	0.20	mg/kg	SW846 6020	11/19-11/22/10	L9HH81AE
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.016	
Zinc	4390	1.0	mg/kg	SW846 6020	11/19-11/22/10	L9HH81AF
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.13	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Leo Brausch Consulting

Client Sample ID: 20100839 SD10-06

TOTAL Metals

Lot-Sample #...: C0K030562-004 Matrix.....: SOLID
Date Sampled...: 10/20/10 Date Received..: 11/03/10
% Moisture.....: 68

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0320022						
Mercury	0.35	0.052	mg/kg	SW846 7471A	11/16/10	L9HH91AG
		Dilution Factor: 0.5		Analysis Time..: 09:12	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0320014	MDL.....: 0.017	
Prep Batch #...: 0323296						
Silver	9.4	0.13	mg/kg	SW846 6020	11/19-11/22/10	L9HH91AM
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0053	
Aluminum	13500	4.0	mg/kg	SW846 6020	11/19-11/22/10	L9HH91AN
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.38	
Arsenic	2.7	0.13	mg/kg	SW846 6020	11/19-11/22/10	L9HH91AP
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.024	
Barium	365	1.3	mg/kg	SW846 6020	11/19-11/22/10	L9HH91AQ
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.014	
Beryllium	0.70	0.13	mg/kg	SW846 6020	11/19-11/22/10	L9HH91AR
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.010	
Calcium	81200	13.5	mg/kg	SW846 6020	11/19-11/22/10	L9HH91AT
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.8	
Cadmium	115	0.13	mg/kg	SW846 6020	11/19-11/22/10	L9HH91AU
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0094	
Cobalt	8.7	0.067	mg/kg	SW846 6020	11/19-11/22/10	L9HH91AV
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0020	

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Client Sample ID: 20100839 SD10-06

TOTAL Metals

Lot-Sample #...: C0K030562-004 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	151 J	0.27	mg/kg	SW846 6020	11/19-11/22/10	L9HH91AW
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0082	
Copper	185	0.27	mg/kg	SW846 6020	11/19-11/22/10	L9HH91AX
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.044	
Iron	15400	6.7	mg/kg	SW846 6020	11/19-11/22/10	L9HH91A0
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.48	
Potassium	1090	13.5	mg/kg	SW846 6020	11/19-11/22/10	L9HH91A1
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.8	
Magnesium	3610 J	13.5	mg/kg	SW846 6020	11/19-11/22/10	L9HH91A2
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.25	
Manganese	94.2	0.067	mg/kg	SW846 6020	11/19-11/22/10	L9HH91A3
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.014	
Sodium	442	13.5	mg/kg	SW846 6020	11/19-11/22/10	L9HH91A4
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.8	
Nickel	75.4	0.13	mg/kg	SW846 6020	11/19-11/22/10	L9HH91A5
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.015	
Lead	339	0.13	mg/kg	SW846 6020	11/19-11/22/10	L9HH91A6
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0051	
Selenium	1.6	0.67	mg/kg	SW846 6020	11/19-11/22/10	L9HH91AA
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.068	

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Client Sample ID: 20100839 SD10-06

TOTAL Metals

Lot-Sample #...: C0K030562-004 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.36	0.13	mg/kg	SW846 6020	11/19-11/22/10	L9HH91AC
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0027	
Antimony	0.41	0.27	mg/kg	SW846 6020	11/19-11/22/10	L9HH91AD
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0035	
Vanadium	18.4	0.13	mg/kg	SW846 6020	11/19-11/22/10	L9HH91AE
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.011	
Zinc	1950	0.67	mg/kg	SW846 6020	11/19-11/22/10	L9HH91AF
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.087	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Leo Brausch Consulting

Client Sample ID: 20100840 SD10-08

TOTAL Metals

Lot-Sample #...: C0K030562-005
Date Sampled...: 10/20/10 Date Received..: 11/03/10
% Moisture.....: 72 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0320022						
Mercury	0.62	0.060	mg/kg	SW846 7471A	11/16/10	L9HJC1AG
		Dilution Factor: 0.5		Analysis Time..: 09:14	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0320014	MDL.....: 0.020	
Prep Batch #...: 0323296						
Silver	20.8	0.17	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1AM
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0068	
Aluminum	8920	5.2	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1AN
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.49	
Arsenic	2.1	0.17	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1AP
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.031	
Barium	412	1.7	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1AQ
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.019	
Beryllium	0.38	0.17	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1AR
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.013	
Calcium	188000	17.4	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1AT
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.3	
Cadmium	292	0.17	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1AU
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.012	
Cobalt	9.2	0.087	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1AV
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0026	

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Client Sample ID: 20100840 SD10-08

TOTAL Metals

Lot-Sample #...: C0K030562-005 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	232 J	0.35	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1AW
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.011	
Copper	370	0.35	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1AX
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.057	
Iron	12800	8.7	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1A0
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.61	
Potassium	952	17.4	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1A1
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.4	
Magnesium	4140 J	17.4	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1A2
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.32	
Manganese	102	0.087	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1A3
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.018	
Sodium	541	17.4	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1A4
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.4	
Nickel	99.1	0.17	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1A5
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.020	
Lead	654	0.17	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1A6
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0066	
Selenium	1.7	0.87	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1AA
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.087	

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Client Sample ID: 20100840 SD10-08

TOTAL Metals

Lot-Sample #...: C0K030562-005 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.39	0.17	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1AC
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0035	
Antimony	0.96	0.35	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1AD
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0045	
Vanadium	12.6	0.17	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1AE
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.014	
Zinc	4860	8.7	mg/kg	SW846 6020	11/19-11/23/10	L9HJC1AF
		Dilution Factor: 4.8		Analysis Time..: 21:18	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.1	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Leo Brausch Consulting

Client Sample ID: 20100841 SD10-03

TOTAL Metals

Lot-Sample #...: C0K030562-006
Date Sampled...: 10/20/10 Date Received..: 11/03/10 Matrix.....: SOLID
% Moisture.....: 73

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0320022						
Mercury	0.87	0.061	mg/kg	SW846 7471A	11/16/10	L9HJD1AG
		Dilution Factor: 0.5		Analysis Time..: 09:16	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0320014	MDL.....: 0.020	
Prep Batch #...: 0323296						
Silver	32.0	0.15	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1AM
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0060	
Aluminum	10000	4.6	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1AN
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.44	
Arsenic	3.1	0.15	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1AP
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.028	
Barium	402	1.5	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1AQ
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.017	
Beryllium	0.43	0.15	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1AR
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.012	
Calcium	164000	15.4	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1AT
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.0	
Cadmium	323	0.15	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1AU
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.011	
Cobalt	8.6	0.077	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1AV
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0023	

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Client Sample ID: 20100841 SD10-03

TOTAL Metals

Lot-Sample #...: C0K030562-006 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	357 J	0.31	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1AW
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0094	
Copper	476	0.31	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1AX
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.051	
Iron	13000	7.7	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1A0
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.55	
Potassium	1440	15.4	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1A1
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.1	
Magnesium	4700 J	15.4	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1A2
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.29	
Manganese	106	0.077	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1A3
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.016	
Sodium	536	15.4	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1A4
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.1	
Nickel	89.8	0.15	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1A5
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.017	
Lead	1270	0.15	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1A6
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0059	
Selenium	2.0	0.77	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1AA
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.077	

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Leo Brausch Consulting

Client Sample ID: 20100841 SD10-03

TOTAL Metals

Lot-Sample #...: C0K030562-006 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.44	0.15	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1AC
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0031	
Antimony	1.7	0.31	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1AD
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0040	
Vanadium	16.5	0.15	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1AE
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.012	
Zinc	5920	7.7	mg/kg	SW846 6020	11/19-11/23/10	L9HJD1AF
		Dilution Factor: 4.2		Analysis Time..: 21:23	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.0	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Leo Brausch Consulting

Client Sample ID: 20100842 SD10-04

TOTAL Metals

Lot-Sample #...: C0K030562-007 **Matrix.....:** SOLID
Date Sampled...: 10/20/10 **Date Received..:** 11/03/10
% Moisture.....: 70

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0320022						
Mercury	**0.82**	**0.056**	**mg/kg**	**SW846 7471A**	**11/16/10**	**L9HJF1AG**
		Dilution Factor: 0.5		Analysis Time..: 09:18	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0320014	MDL.....: 0.018	
Prep Batch #...: 0323296						
Silver	**29.3**	**0.16**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJF1AM**
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0063	
Aluminum	**9380**	**4.9**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJF1AN**
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.46	
Arsenic	**2.8**	**0.16**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJF1AP**
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.029	
Barium	**425**	**1.6**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJF1AQ**
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.017	
Beryllium	**0.42**	**0.16**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJF1AR**
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.012	
Calcium	**185000**	**16.3**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJF1AT**
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.2	
Cadmium	**367**	**0.16**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJF1AU**
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.011	
Cobalt	**9.5**	**0.081**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJF1AV**
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0024	

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Client Sample ID: 20100842 SD10-04

TOTAL Metals

Lot-Sample #...: C0K030562-007 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	320 J	0.33	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1AW
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0099	
Copper	495	0.33	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1AX
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.054	
Iron	13000	8.1	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1A0
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.58	
Potassium	1270	16.3	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1A1
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.2	
Magnesium	4580 J	16.3	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1A2
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.30	
Manganese	110	0.081	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1A3
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.017	
Sodium	506	16.3	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1A4
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.2	
Nickel	107	0.16	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1A5
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.018	
Lead	989	0.16	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1A6
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0062	
Selenium	1.9	0.81	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1AA
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.082	

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Leo Brausch Consulting

Client Sample ID: 20100842 SD10-04

TOTAL Metals

Lot-Sample #...: C0K030562-007 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.42	0.16	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1AC
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0033	
Antimony	1.4	0.33	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1AD
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0042	
Vanadium	18.2	0.16	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1AE
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.013	
Zinc	6380	8.1	mg/kg	SW846 6020	11/19-11/23/10	L9HJF1AF
		Dilution Factor: 4.8		Analysis Time..: 21:27	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.1	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Leo Brausch Consulting

Client Sample ID: 20100876 RSD10-01SV

TOTAL Metals

Lot-Sample #...: C0K030562-008 **Matrix.....:** SOLID
Date Sampled...: 10/19/10 **Date Received..:** 11/03/10
% Moisture.....: 88

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0320022						
Mercury	**0.16**	**0.14**	**mg/kg**	**SW846 7471A**	**11/16/10**	**L9HJG1AG**
		Dilution Factor: 0.5		Analysis Time..: 09:19	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0320014	MDL.....: 0.047	
Prep Batch #...: 0323296						
Silver	**0.071 B**	**0.35**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJG1AM**
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.014	
Aluminum	**5620**	**10.6**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJG1AN**
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.0	
Arsenic	**15.2**	**0.35**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJG1AP**
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.064	
Barium	**324**	**3.5**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJG1AQ**
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.038	
Beryllium	**0.34 B**	**0.35**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJG1AR**
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.027	
Calcium	**90500**	**35.4**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJG1AT**
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 4.7	
Cadmium	**0.63**	**0.35**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJG1AU**
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.025	
Cobalt	**4.4**	**0.18**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJG1AV**
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0053	

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Leo Brausch Consulting

Client Sample ID: 20100876 RSD10-01SV

TOTAL Metals

Lot-Sample #...: C0K030562-008 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	18.9 J	0.71	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1AW
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.022	
Copper	18.3	0.71	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1AX
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.12	
Iron	16300	17.7	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1A0
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.3	
Potassium	629	35.4	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1A1
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 4.8	
Magnesium	3990 J	35.4	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1A2
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.66	
Manganese	204	0.18	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1A3
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.036	
Sodium	660	35.4	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1A4
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 4.9	
Nickel	17.7	0.35	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1A5
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.040	
Lead	50.8	0.35	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1A6
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.013	
Selenium	2.0	1.8	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1AA
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.18	

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Client Sample ID: 20100876 RSD10-01SV

TOTAL Metals

Lot-Sample #...: C0K030562-008 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	0.26 B	0.35	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1AC
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0071	
Antimony	0.38 B	0.71	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1AD
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0092	
Vanadium	11.0	0.35	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1AE
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.028	
Zinc	72.4	1.8	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1AF
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.23	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C0K160000-022 **Prep Batch #...:** 0320022						
Mercury	ND	0.016	mg/kg	SW846 7471A	11/16/10	L93401AA
		Dilution Factor: 0.5				
		Analysis Time..: 08:57		Analyst ID.....: 031043	Instrument ID..: HGH	
MB Lot-Sample #: C0K190000-296 **Prep Batch #...:** 0323296						
Silver	ND	0.040	mg/kg	SW846 6020	11/19-11/22/10	MAA101AA
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Aluminum	ND	1.2	mg/kg	SW846 6020	11/19-11/22/10	MAA101AC
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Arsenic	ND	0.040	mg/kg	SW846 6020	11/19-11/22/10	MAA101AD
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Barium	ND	0.40	mg/kg	SW846 6020	11/19-11/22/10	MAA101AE
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Beryllium	ND	0.040	mg/kg	SW846 6020	11/19-11/22/10	MAA101AF
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Calcium	ND	4.0	mg/kg	SW846 6020	11/19-11/22/10	MAA101AG
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Cadmium	ND	0.040	mg/kg	SW846 6020	11/19-11/22/10	MAA101AH
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Cobalt	ND	0.020	mg/kg	SW846 6020	11/19-11/22/10	MAA101AJ
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Chromium	**0.039 B**	**0.080**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**MAA101AK**
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	ND	0.080	mg/kg	SW846 6020	11/19-11/22/10	MAA101AL
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Iron	ND	2.0	mg/kg	SW846 6020	11/19-11/22/10	MAA101AM
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Potassium	ND	4.0	mg/kg	SW846 6020	11/19-11/23/10	MAA101AN
		Dilution Factor: 0.4				
		Analysis Time..: 21:10		Analyst ID.....: 400149	Instrument ID..: ICP	
Magnesium	**0.30 B**	**4.0**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**MAA101AP**
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Manganese	ND	0.020	mg/kg	SW846 6020	11/19-11/22/10	MAA101AQ
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Sodium	ND	4.0	mg/kg	SW846 6020	11/19-11/23/10	MAA101AR
		Dilution Factor: 0.4				
		Analysis Time..: 21:10		Analyst ID.....: 400149	Instrument ID..: ICP	
Nickel	ND	0.040	mg/kg	SW846 6020	11/19-11/22/10	MAA101AT
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Lead	ND	0.040	mg/kg	SW846 6020	11/19-11/22/10	MAA101AU
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Selenium	ND	0.20	mg/kg	SW846 6020	11/19-11/22/10	MAA101AV
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Thallium	ND	0.040	mg/kg	SW846 6020	11/19-11/22/10	MAA101AW
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Antimony	ND	0.080	mg/kg	SW846 6020	11/19-11/22/10	MAA101AX
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Vanadium	ND	0.040	mg/kg	SW846 6020	11/19-11/22/10	MAA101A0
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	0.20	mg/kg	SW846 6020	11/19-11/22/10	MAA101A1

Dilution Factor: 0.4

Analysis Time..: 20:59 Analyst ID.....: 400149 Instrument ID..: ICP

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C0K160000-022 **Prep Batch #...:** 0320022					
Mercury	96	(80 - 120)	SW846 7471A	11/16/10	L93401AC
		Dilution Factor: 0.5	Analysis Time..: 08:58	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA			
LCS Lot-Sample#: C0K190000-296 **Prep Batch #...:** 0323296					
Silver	94	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101A2
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Aluminum	89	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101A3
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Arsenic	87	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101A4
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Barium	91	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101A5
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Beryllium	94	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101A6
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Calcium	94	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101A7
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Cadmium	92	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101A8
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Cobalt	91	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101A9
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Chromium	94	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CA
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	93	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CC
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Iron	96	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CD
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Potassium	93	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CE
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Magnesium	94	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CF
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Manganese	93	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CG
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Sodium	95	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CH
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Nickel	90	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CJ
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Lead	108	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CK
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Selenium	118	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CL
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Thallium	104	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CM
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Antimony	92	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CN
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	91	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CP
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Zinc	94	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CQ
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C0K160000-022 **Prep Batch #...:** 0320022							
Mercury	0.208	0.199	mg/kg	96	SW846 7471A	11/16/10	L93401AC
			Dilution Factor: 0.5		Analysis Time..: 08:58	Analyst ID.....: 031043	
			Instrument ID..: HGHYDRA				
LCS Lot-Sample#: C0K190000-296 **Prep Batch #...:** 0323296							
Silver	2.50	2.34	mg/kg	94	SW846 6020	11/19-11/22/10	MAA101A2
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Aluminum	100	89.4	mg/kg	89	SW846 6020	11/19-11/22/10	MAA101A3
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Arsenic	2.00	1.74	mg/kg	87	SW846 6020	11/19-11/22/10	MAA101A4
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Barium	100	91.4	mg/kg	91	SW846 6020	11/19-11/22/10	MAA101A5
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Beryllium	2.50	2.36	mg/kg	94	SW846 6020	11/19-11/22/10	MAA101A6
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Calcium	2500	2350	mg/kg	94	SW846 6020	11/19-11/22/10	MAA101A7
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Cadmium	2.50	2.31	mg/kg	92	SW846 6020	11/19-11/22/10	MAA101A8
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Cobalt	25.0	22.7	mg/kg	91	SW846 6020	11/19-11/22/10	MAA101A9
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Chromium	10.0	9.40	mg/kg	94	SW846 6020	11/19-11/22/10	MAA101CA
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	12.5	11.6	mg/kg	93	SW846 6020	11/19-11/22/10	MAA101CC
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Iron	50.0	47.8	mg/kg	96	SW846 6020	11/19-11/22/10	MAA101CD
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Potassium	2500	2320	mg/kg	93	SW846 6020	11/19-11/22/10	MAA101CE
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Magnesium	2500	2340	mg/kg	94	SW846 6020	11/19-11/22/10	MAA101CF
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Manganese	25.0	23.3	mg/kg	93	SW846 6020	11/19-11/22/10	MAA101CG
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Sodium	2500	2360	mg/kg	95	SW846 6020	11/19-11/22/10	MAA101CH
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Nickel	25.0	22.4	mg/kg	90	SW846 6020	11/19-11/22/10	MAA101CJ
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Lead	1.00	1.08	mg/kg	108	SW846 6020	11/19-11/22/10	MAA101CK
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Selenium	0.500	0.590	mg/kg	118	SW846 6020	11/19-11/22/10	MAA101CL
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Thallium	2.50	2.60	mg/kg	104	SW846 6020	11/19-11/22/10	MAA101CM
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Antimony	25.0	22.9	mg/kg	92	SW846 6020	11/19-11/22/10	MAA101CN
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	25.0	22.7	mg/kg	91	SW846 6020	11/19-11/22/10	MAA101CP
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Zinc	25.0	23.6	mg/kg	94	SW846 6020	11/19-11/22/10	MAA101CQ
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID
Date Sampled...: 10/19/10 **Date Received..:** 11/03/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C0K030562-001 **Prep Batch #...:** 0320022							
						% Moisture.....: 87	
Mercury	98	(75 - 125)			SW846 7471A	11/16/10	L9HH31CD
	98	(75 - 125)	0.0	(0-20)	SW846 7471A	11/16/10	L9HH31CE

Dilution Factor: 0.5
Analysis Time..: 09:02 Instrument ID..: HGHYDRA Analyst ID.....: 031043
MS Run #.....: 0320014

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID
Date Sampled...: 10/19/10 **Date Received..:** 11/03/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C0K030562-001 **Prep Batch #...:** 0320022									
								% Moisture.....: 87	
Mercury									
	0.12	0.660	0.765	mg/kg	98		SW846 7471A	11/16/10	L9HH31CD
	0.12	0.660	0.765	mg/kg	98	0.0	SW846 7471A	11/16/10	L9HH31CE

Dilution Factor: 0.5
Analysis Time..: 09:02 Instrument ID..: HGHYDRA Analyst ID.....: 031043
MS Run #.....: 0320014

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID
Date Sampled...: 11/01/10 **Date Received..:** 11/12/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C0K120411-001 **Prep Batch #...:** 0323296							
						% Moisture.....: 35	
Silver	92	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1C2
	92	(75 - 125)	12	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1C3
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Aluminum	NC	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1C4
	NC	(75 - 125)		(0-20)	SW846 6020	11/19-11/22/10	L9X0X1C5
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Arsenic	83	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1C6
	79	(75 - 125)	4.7	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1C7
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Barium	94	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1C8
	93	(75 - 125)	12	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1C9
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Beryllium	90	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1DA
	91	(75 - 125)	10	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1DC
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Calcium	84	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1DD
	83	(75 - 125)	8.8	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1DE
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Cadmium	90	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1DF
	92	(75 - 125)	11	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1DG
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID
Date Sampled...: 11/01/10 **Date Received..:** 11/12/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	83	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1DH
	81	(75 - 125)	12	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1DJ
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Chromium	101	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1DK
	99	(75 - 125)	5.6	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1DL
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Copper	87	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1DM
	83	(75 - 125)	7.2	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1DN
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Iron	NC	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1DP
	NC	(75 - 125)		(0-20)	SW846 6020	11/19-11/22/10	L9X0X1DQ
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Potassium	106	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1DR
	106	(75 - 125)	9.0	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1DT
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Magnesium	95	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1DU
	90	(75 - 125)	8.1	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1DV
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Manganese	NC	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1DW
	NC	(75 - 125)		(0-20)	SW846 6020	11/19-11/22/10	L9X0X1DX
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID
Date Sampled...: 11/01/10 **Date Received..:** 11/12/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	88	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1D0
	83	(75 - 125)	8.1	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1D1
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Nickel	84	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1D2
	82	(75 - 125)	9.8	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1D3
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Lead	NC	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1D4
	135 N	(75 - 125)	2.7	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1D5
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Selenium	85	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1D6
	74 N	(75 - 125)	11	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1D7
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Thallium	109	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1D8
	110	(75 - 125)	12	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1D9
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Antimony	51 N	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1EA
	47 N	(75 - 125)	20	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1EC
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Vanadium	94	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1ED
	95	(75 - 125)	7.9	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1EE
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID
Date Sampled...: 11/01/10 **Date Received..:** 11/12/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	98	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1EF
	91	(75 - 125)	7.1	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1EG

Dilution Factor: 0.49
Analysis Time..: 22:40 Instrument ID..: ICPMS2 Analyst ID.....: 400149
MS Run #.....: 0323168

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID
Date Sampled...: 11/01/10 **Date Received..:** 11/12/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C0K120411-001 **Prep Batch #...:** 0323296									
								% Moisture.....: 35	
Silver									
	0.52	3.75	3.98	mg/kg	92		SW846 6020	11/19-11/22/10	L9X0X1C2
	0.52	3.29	3.55	mg/kg	92	12	SW846 6020	11/19-11/22/10	L9X0X1C3
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0323168						
Aluminum									
	8460	150	12000	mg/kg			SW846 6020	11/19-11/22/10	L9X0X1C4
			Qualifiers: NC						
	8460	131	11500	mg/kg			SW846 6020	11/19-11/22/10	L9X0X1C5
			Qualifiers: NC						
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0323168						
Arsenic									
	6.3	3.00	8.82	mg/kg	83		SW846 6020	11/19-11/22/10	L9X0X1C6
	6.3	2.63	8.41	mg/kg	79	4.7	SW846 6020	11/19-11/22/10	L9X0X1C7
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0323168						
Barium									
	26.2	150	167	mg/kg	94		SW846 6020	11/19-11/22/10	L9X0X1C8
	26.2	131	148	mg/kg	93	12	SW846 6020	11/19-11/22/10	L9X0X1C9
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0323168						
Beryllium									
	0.48	3.75	3.84	mg/kg	90		SW846 6020	11/19-11/22/10	L9X0X1DA
	0.48	3.29	3.46	mg/kg	91	10	SW846 6020	11/19-11/22/10	L9X0X1DC
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0323168						
Calcium									
	1730	3750	4880	mg/kg	84		SW846 6020	11/19-11/22/10	L9X0X1DD
	1730	3290	4470	mg/kg	83	8.8	SW846 6020	11/19-11/22/10	L9X0X1DE
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0323168						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID
Date Sampled...: 11/01/10 **Date Received..:** 11/12/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cadmium									
	0.29	3.75	3.68	mg/kg	90		SW846 6020	11/19-11/22/10	L9X0X1DF
	0.29	3.29	3.30	mg/kg	92	11	SW846 6020	11/19-11/22/10	L9X0X1DG
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0323168						
Cobalt									
	7.0	37.5	38.0	mg/kg	83		SW846 6020	11/19-11/22/10	L9X0X1DH
	7.0	32.9	33.7	mg/kg	81	12	SW846 6020	11/19-11/22/10	L9X0X1DJ
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0323168						
Chromium									
	23.7	15.0	38.8	mg/kg	101		SW846 6020	11/19-11/22/10	L9X0X1DK
	23.7	13.1	36.7	mg/kg	99	5.6	SW846 6020	11/19-11/22/10	L9X0X1DL
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0323168						
Copper									
	21.9	18.7	38.2	mg/kg	87		SW846 6020	11/19-11/22/10	L9X0X1DM
	21.9	16.4	35.5	mg/kg	83	7.2	SW846 6020	11/19-11/22/10	L9X0X1DN
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0323168						
Iron									
	17800	74.9	18800	mg/kg			SW846 6020	11/19-11/22/10	L9X0X1DP
			Qualifiers: NC						
	17800	65.7	18100	mg/kg			SW846 6020	11/19-11/22/10	L9X0X1DQ
			Qualifiers: NC						
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0323168						
Potassium									
	1740	3750	5710	mg/kg	106		SW846 6020	11/19-11/22/10	L9X0X1DR
	1740	3290	5220	mg/kg	106	9.0	SW846 6020	11/19-11/22/10	L9X0X1DT
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0323168						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID
Date Sampled...: 11/01/10 **Date Received..:** 11/12/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium									
	4100	3750	7650	mg/kg	95		SW846 6020	11/19-11/22/10	L9X0X1DU
	4100	3290	7060	mg/kg	90	8.1	SW846 6020	11/19-11/22/10	L9X0X1DV
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						
Manganese									
	199	37.5	239 NC	mg/kg			SW846 6020	11/19-11/22/10	L9X0X1DW
	199	32.9	229 NC	mg/kg			SW846 6020	11/19-11/22/10	L9X0X1DX
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						
Sodium									
	3900	3750	7190	mg/kg	88		SW846 6020	11/19-11/22/10	L9X0X1D0
	3900	3290	6630	mg/kg	83	8.1	SW846 6020	11/19-11/22/10	L9X0X1D1
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						
Nickel									
	16.6	37.5	48.2	mg/kg	84		SW846 6020	11/19-11/22/10	L9X0X1D2
	16.6	32.9	43.6	mg/kg	82	9.8	SW846 6020	11/19-11/22/10	L9X0X1D3
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						
Lead									
	25.9	1.50	28.4 NC	mg/kg			SW846 6020	11/19-11/22/10	L9X0X1D4
	25.9	1.31	27.7 N	mg/kg	135	2.7	SW846 6020	11/19-11/22/10	L9X0X1D5
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						
Selenium									
	0.74	0.749	1.38	mg/kg	85		SW846 6020	11/19-11/22/10	L9X0X1D6
	0.74	0.657	1.23 N	mg/kg	74	11	SW846 6020	11/19-11/22/10	L9X0X1D7
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID
Date Sampled...: 11/01/10 **Date Received..:** 11/12/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium									
	0.12	3.75	4.22	mg/kg	109		SW846 6020	11/19-11/22/10	L9X0X1D8
	0.12	3.29	3.73	mg/kg	110	12	SW846 6020	11/19-11/22/10	L9X0X1D9
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						
Antimony									
	0.12	37.5	19.1 N	mg/kg	51		SW846 6020	11/19-11/22/10	L9X0X1EA
	0.12	32.9	15.7 N	mg/kg	47	20	SW846 6020	11/19-11/22/10	L9X0X1EC
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						
Vanadium									
	21.1	37.5	56.4	mg/kg	94		SW846 6020	11/19-11/22/10	L9X0X1ED
	21.1	32.9	52.1	mg/kg	95	7.9	SW846 6020	11/19-11/22/10	L9X0X1EE
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						
Zinc									
	62.5	37.5	99.2	mg/kg	98		SW846 6020	11/19-11/22/10	L9X0X1EF
	62.5	32.9	92.4	mg/kg	91	7.1	SW846 6020	11/19-11/22/10	L9X0X1EG
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

GENERAL CHEMISTRY SUMMARY

Leo Brausch Koppers Pond

Cyanide, Total

Lab Name: TESTAMERICA PITTSBURGH
Client Name: Leo Brausch Consulting
Matrix: SOLID

Method: SW846 9012A
Lot Number: C0K030562

Distillation procedure

Client Sample ID	Sample Number	Workorder	Result	Units	Method Detection Limit	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
20100836 RSD10-01	C0K030562 001	L9HH31A9	ND	mg/kg	0.77	4.0	1	11/15/2010 - 11/15/2010 13:31	0319107
20100837 SD10-01	C0K030562 002	L9HH61A9	ND	mg/kg	0.45	2.3	1	11/15/2010 - 11/15/2010 13:31	0319107
20100838 SD10-DUP	C0K030562 003	L9HH81A7	ND	mg/kg	0.44	2.3	1	11/15/2010 - 11/15/2010 13:31	0319107
20100839 SD10-06	C0K030562 004	L9HH91A7	ND	mg/kg	0.30	1.6	1	11/15/2010 - 11/15/2010 13:32	0319107
20100840 SD10-08	C0K030562 005	L9HJC1A7	ND	mg/kg	0.35	1.8	1	11/15/2010 - 11/15/2010 13:32	0319107
20100841 SD10-03	C0K030562 006	L9HJD1A7	ND	mg/kg	0.36	1.8	1	11/15/2010 - 11/15/2010 13:39	0319107
20100842 SD10-04	C0K030562 007	L9HJF1A7	ND	mg/kg	0.33	1.7	1	11/15/2010 - 11/15/2010 13:39	0319107
20100876 RSD10-01SV	C0K030562 008	L9HJG1A7	ND	mg/kg	0.84	4.3	1	11/15/2010 - 11/15/2010 13:39	0319107

Leo Brausch Koppers Pond

Percent Solids

Lab Name: TESTAMERICA PITTSBURGH
Client Name: Leo Brausch Consulting
Matrix: SOLID

Method: SM20 2540G
Lot Number: C0K030562

NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION

Client Sample ID	Sample Number	Workorder	Result	Units	Method Detection Limit	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
20100836 RSD10-01	C0K030562 001	L9HH31AA	12.6	%	0.0	1.0	1	11/5/2010 - 11/6/2010 09:32	0309249
20100837 SD10-01	C0K030562 002	L9HH61AJ	21.5	%	0.0	1.0	1	11/5/2010 - 11/6/2010 09:32	0309249
20100838 SD10-DUP	C0K030562 003	L9HH81AJ	22.0	%	0.0	1.0	1	11/5/2010 - 11/6/2010 09:32	0309249
20100839 SD10-06	C0K030562 004	L9HH91AJ	31.9	%	0.0	1.0	1	11/5/2010 - 11/6/2010 09:32	0309249
20100840 SD10-08	C0K030562 005	L9HJC1AJ	27.7	%	0.0	1.0	1	11/5/2010 - 11/6/2010 09:32	0309249
20100841 SD10-03	C0K030562 006	L9HJD1AJ	27.2	%	0.0	1.0	1	11/5/2010 - 11/6/2010 09:32	0309249
20100842 SD10-04	C0K030562 007	L9HJF1AJ	29.5	%	0.0	1.0	1	11/5/2010 - 11/6/2010 09:32	0309249
20100876 RSD10-01SV	C0K030562 008	L9HJG1AJ	11.6	%	0.0	1.0	1	11/5/2010 - 11/6/2010 09:32	0309249

Leo Brausch Koppers Pond

TOC

Lab Name: TESTAMERICA PITTSBURGH
Client Name: Leo Brausch Consulting
Matrix: SOLID
Method: EPA Lloyd Kahn
Lot Number: C0K030562

Total Organic Carbon by Lloyd Kahn

Client Sample ID	Sample Number	Workorder	Result	Units	Method Detection Limit	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
20100836 RSD10-01	C0K030562 001	L9HH31A6	83300	mg/kg	4030	7400	1.87	11/4/2010 - 11/4/2010 21:12	0308079
20100837 SD10-01	C0K030562 002	L9HH61AH	81100	mg/kg	2580	4740	2.04	11/4/2010 - 11/4/2010 21:56	0308079
20100838 SD10-DUP	C0K030562 003	L9HH81AH	77800	mg/kg	2340	4300	1.89	11/4/2010 - 11/4/2010 22:25	0308079
20100839 SD10-06	C0K030562 004	L9HH91AH	95500	mg/kg	1560	2860	1.83	11/4/2010 - 11/4/2010 22:54	0308079
20100840 SD10-08	C0K030562 005	L9HJC1AH	55200	mg/kg	1860	3420	1.89	11/4/2010 - 11/4/2010 23:23	0308079
20100841 SD10-03	C0K030562 006	L9HJD1AH	86500	mg/kg	1870	3430	1.87	11/4/2010 - 11/4/2010 23:52	0308079
20100842 SD10-04	C0K030562 007	L9HJF1AH	54600	mg/kg	1880	3450	2.04	11/4/2010 - 11/5/2010 00:35	0308079
20100876 RSD10-01SV	C0K030562 008	L9HJG1AH	202000	mg/kg	4850	8900	2.06	11/4/2010 - 11/5/2010 01:04	0308079

Leo Brausch Koppers Pond

Cyanide, Total

Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	SW846 9012A
Client Name:	Leo Brausch Consulting	**Report ID:**	C0K030562
Matrix:	SOLID	**Date/Time Received:**	11/3/2010 9:00:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep Date-Analysis Date/Time	QC Batch	RPD / Limit (%)
BLK - C0K150000107B	107 MB	L92T71AA	0.14 B	mg/kg	0.50	11/15/2010 - 11/15/2010 13:31	0319107	

Leo Brausch Koppers Pond

Percent Solids

Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	SM20 2540G
Client Name:	Leo Brausch Consulting	**Report ID:**	C0K030562
Matrix:	SOLID	**Date/Time Received:**	11/2/2010 9:30:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep Date-Analysis Date/Time	QC Batch	RPD / Limit (%)
INTRA-LAB QC	001 DUP	L9GDN1AF	81.2	%	1.0	11/5/2010 - 11/6/2010 09:32	0309249	1.3 / 20

Leo Brausch Koppers Pond

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Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	EPA Lloyd Kahn
Client Name:	Leo Brausch Consulting	**Report ID:**	C0K030562
Matrix:	SOLID	**Date/Time Received:**	11/1/2010 1:00:00PM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep Date-Analysis Date/Time	QC Batch	RPD / Limit (%)
BLK - C0K040000079B	079 MB	L9H1F1AA	ND	mg/kg	500	11/4/2010 - 11/4/2010 11:33	0308079	
INTRA-LAB QC	001 DUP	L9FRD1J3	22200	mg/kg	1380	11/4/2010 - 11/4/2010 15:54	0308079	16 / 20

Leo Brausch Koppers Pond

Cyanide, Total

Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	SW846 9012A
Client Name:	Leo Brausch Consulting	**Lot Number:**	C0K150000
Matrix:	SOLID	**Date/Time Received:**	11/3/2010 9:00:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep Date - Analysis Date/Time	QC Batch	RPD / Limit (%)
CHECK SAMPLE	LCS	L92T71AC	121	38 - 162	11/15/201 - 11/15/2010 13:31	0319107	
20100836 RSD10-01	MS	L9HH31CA	81	75 - 125	11/15/201 - 11/15/2010 13:31	0319107	5.5 / 20
LAB MS/MSD	MS	L9X1A1DT	50 N	75 - 125	11/15/201 - 11/15/2010 13:39	0319107	
20100836 RSD10-01	MSD	L9HH31CC	85	75 - 125	11/15/201 - 11/15/2010 13:31	0319107	5.5 / 20

Leo Brausch Koppers Pond

TOC

Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	EPA Lloyd Kahn
Client Name:	Leo Brausch Consulting	**Lot Number:**	C0K040000
Matrix:	SOLID	**Date/Time Received:**	11/1/2010 1:00:00PM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep Date - Analysis Date/Time	QC Batch	RPD / Limit (%)
CHECK SAMPLE	LCS	L9H1F1AC	94	75 - 125	11/4/2010 - 11/4/2010 11:47	0308079	1.2 / 20
LAB MS/MSD	MSD	L9FRD1HD	225 N *	75 - 125	11/4/2010 - 11/4/2010 14:56	0308079	64 / 20
DUPLICATE CHECK	LCSD	L9H1F1AD	95	75 - 125	11/4/2010 - 11/4/2010 12:02	0308079	1.2 / 20
LAB MS/MSD	MS	L9FRD1HC	64 N	75 - 125	11/4/2010 - 11/4/2010 15:25	0308079	64 / 20

GC/MS SEMIVOLATILE DATA

GC/MS SEMIVOLATILE
QC SUMMARY

SW846 8270C SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Lot #: C0K030562

Extraction: XXA4F4201

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	TOT OUT
01	20100836 RSD10-01	63	44	51	56	57	40	00
02	20100837 SD10-01	0 D	0 D	0 D	0 D	0 D	0 D	06
03	20100838 SD10-DUP	0 D	0 D	0 D	0 D	0 D	0 D	06
04	20100839 SD10-06	50	43	49	41	46	41	00
05	20100840 SD10-08	51	36	42	41	43	34	00
06	20100841 SD10-03	0 D	0 D	0 D	0 D	0 D	0 D	06
07	20100842 SD10-04	0 D	0 D	0 D	0 D	0 D	0 D	06
08	20100876 RSD10-01SV	64	49	55	55	56	45	00
09	METHOD BLK. L9HV81AA	71	66	58	70	72	54	00
10	LCS L9HV81AC	98	95	81	98	89	83	00
11	20100836 RSD10-01 D	72	54	57	70	73	52	00
12	20100836 RSD10-01 S	42	35	38	41	44	30	00

SURROGATES		QC LIMITS
SRG01	= Nitrobenzene-d5	(27-110)
SRG02	= Terphenyl-d14	(21-130)
SRG03	= 2-Fluorobiphenyl	(28-108)
SRG04	= 2-Fluorophenol	(28-107)
SRG05	= Phenol-d5	(30-112)
SRG06	= 2,4,6-Tribromophenol	(21-116)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8270C CHECK SAMPLE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Lot #: C0K040000 WO #: L9HV81AC
BATCH: 0308035

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
2-Chlorophenol	333	287	86	40 - 105	
1,4-Dichlorobenzene	333	289	87	41 - 101	
Phenol	333	282	85	39 - 105	
N-Nitrosodi-n-propylamine	333	299	90	42 - 108	
1,2,4-Trichlorobenzene	333	281	84	41 - 105	
4-Chloro-3-methylphenol	333	275	82	43 - 110	
Acenaphthene	333	264	79	42 - 104	
4-Nitrophenol	333	324	97	27 - 131	
2,4-Dinitrotoluene	333	300	90	48 - 118	
Pentachlorophenol	333	289	87	18 - 125	
Pyrene	333	301	90	39 - 113	
4-Methylphenol	667	541	81	43 - 107	
Hexachloroethane	333	298	89	40 - 102	
Naphthalene	333	267	80	42 - 104	
4-Bromophenyl phenyl ethe	333	287	86	43 - 111	
Butyl benzyl phthalate	333	315	94	40 - 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 16 outside limits

COMMENTS:

FORM III

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Matrix Spike ID: 20100836 RSD10-01 Level: (low/med) LOW

Lot #: C0K030562 WO #: L9HH31A7
BATCH: 0308035

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Phenol	2640	ND	1120	43	39- 105	
2-Chlorophenol	2640	ND	1060	40	40- 105	
1,4-Dichlorobenzene	2640	ND	1030	39*	41- 101	a
N-Nitrosodi-n-propylamine	2640	ND	1210	46	42- 108	
1,2,4-Trichlorobenzene	2640	ND	1010	38*	41- 105	a
4-Chloro-3-methylphenol	2640	ND	912	35*	43- 110	a
Acenaphthene	2640	ND	958	36*	42- 104	a
4-Nitrophenol	2640	ND	692	26*	27- 131	a
2,4-Dinitrotoluene	2640	ND	848	32*	48- 118	a
Pentachlorophenol	2640	ND	1180	45	18- 125	
Pyrene	2640	72	945	33*	39- 113	a
4-Methylphenol	5280	ND	2220	42*	43- 107	a
Hexachloroethane	2640	ND	936	35*	40- 102	a
Naphthalene	2640	ND	1000	38*	42- 104	a
4-Bromophenyl phenyl ethe	2640	ND	934	35*	43- 111	a
Butyl benzyl phthalate	2640	ND	934	33*	40- 117	a

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 12 out of 16 outside limits

COMMENTS:

FORM III

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Matrix Spike ID: 20100836 RSD10-01 Level:(low/med) LOW

Lot #: C0K030562 WO #: L9HH31A8
BATCH: 0308035

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD		QC LIMITS RPD	QC LIMITS REC	QUAL
Phenol	2640	1840	70	48	*	40	39- 105	p
2-Chlorophenol	2640	1730	65	48	*	37	40- 105	p
1,4-Dichlorobenzene	2640	1730	65	51	*	32	41- 101	p
N-Nitrosodi-n-propylamine	2640	1890	71	44	*	32	42- 108	p
1,2,4-Trichlorobenzene	2640	1680	64	50	*	36	41- 105	p
4-Chloro-3-methylphenol	2640	1670	63	59	*	31	43- 110	p
Acenaphthene	2640	1650	63	53	*	34	42- 104	p
4-Nitrophenol	2640	1550	59	76	*	33	27- 131	p
2,4-Dinitrotoluene	2640	1650	63	64	*	33	48- 118	p
Pentachlorophenol	2640	1850	70	44	*	34	18- 125	p
Pyrene	2640	1470	53	43	*	28	39- 113	p
4-Methylphenol	5280	3880	73	54	*	36	43- 107	p
Hexachloroethane	2640	1770	67	62	*	34	40- 102	p
Naphthalene	2640	1690	64	51	*	25	42- 104	p
4-Bromophenyl phenyl ethe	2640	1530	58	48	*	20	43- 111	p
Butyl benzyl phthalate	2640	1700	62	58	*	34	40- 117	p

NOTES(S):

p Relative percent difference (RPD) is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 16 out of 16 outside limits
Spike Recovery: 0 out of 16 outside limits

COMMENTS:

FORM III

SW846 8270C METHOD BLANK SUMMARY

BLANK WORKORDER NO.: L9HV81AA

Lab Name: TestAmerica Laboratories, Inc.

Lab Code: TALPIT

SDG Number:

Lab File ID: D1104009.

Lot Number: C0K030562

Date Analyzed: 11/04/10

Time Analyzed: 13:31

Matrix: SOLID

Date Extracted:11/04/10

GC Column: DB5 ID: .32

Extraction Method:

Instrument ID: 732

Level:(low/med) LOW

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS, LCSD, MS , MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	20100836 RSD10-01	L9HH31AC	D1104011.	11/04/10	16:07
02	20100836 RSD10-01	L9HH31A7 S	D1104012.	11/04/10	16:26
03	20100836 RSD10-01	L9HH31A8 D	D1108025.	11/08/10	16:24
04	20100837 SD10-01	L9HH61AK	D1104014.	11/04/10	16:54
05	20100838 SD10-DUP	L9HH81AK	D1104016.	11/04/10	17:32
06	20100839 SD10-06	L9HH91AK	D1104018.	11/04/10	18:10
07	20100840 SD10-08	L9HJC1AK	D1104019.	11/04/10	18:29
08	20100841 SD10-03	L9HJD1AK	D1104020.	11/04/10	18:48
09	20100842 SD10-04	L9HJF1AK	D1104022.	11/04/10	19:27
10	20100876 RSD10-01SV	L9HJG1AK	D1104024.	11/04/10	20:05
11	CHECK SAMPLE	L9HV81AC C	D1104010.	11/04/10	15:09
12					
13					
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30					

COMMENTS:

FORM IV

FORM 5

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Lab File ID: D0923DF4 DFTPP Injection Date: 09/23/10

Instrument ID: 732 DFTPP Injection Time: 1745

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	32.8
68	Less than 2.0% of mass 69	0.2 (0.6)1
69	Mass 69 relative abundance	39.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	50.0
197	Less than 1.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	19.0
365	Greater than 1.0% of mass 198	2.24
441	Present, but less than mass 443	8.3
442	40.0 - 99.0% of mass 198	56.6
443	17.0 - 23.0% of mass 442	11.2 (19.8)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD4	SSTD4	D0923IC1	09/23/10	1801
02	SSTD.4	SSTD0.4	D0923IC2	09/23/10	1821
03	SSTD2	SSTD2	D0923IC3	09/23/10	1840
04	SSTD10	SSTD10	D0923IC4	09/23/10	1900
05	SSTD20	SSTD20	D0923IC5	09/23/10	1923
06	SSTD40	SSTD40	D0923IC6	09/23/10	1949
07	SSTD60	SSTD60	D0923IC7	09/23/10	2009
08	SSTD80	SSTD80	D0923IC8	09/23/10	2029
09	SSTDV20	SSTDV20	D0923IC9	09/23/10	2048
10					
11					
12					
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22					

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Lab File ID: D1104DF1 DFTPP Injection Date: 11/04/10

Instrument ID: 732 DFTPP Injection Time: 1214

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	35.1
68	Less than 2.0% of mass 69	0.2 (0.6)1
69	Mass 69 relative abundance	37.2
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	46.3
197	Less than 1.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	18.9
365	Greater than 1.0% of mass 198	1.71
441	Present, but less than mass 443	7.2
442	40.0 - 99.0% of mass 198	47.2
443	17.0 - 23.0% of mass 442	9.0 (19.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD4	SSTD4	D1104CC1	11/04/10	1227
02	INTRA-LAB BL	L9HV81AA	D1104009	11/04/10	1331
03	INTRA-LAB CH	L9HV81AC	D1104010	11/04/10	1509
04	20100836 RSD	L9HH31AC	D1104011	11/04/10	1607
05	20100836 RSD	L9HH31A7	D1104012	11/04/10	1626
06	20100837 SD1	L9HH61AK	D1104014	11/04/10	1654
07	20100838 SD1	L9HH81AK	D1104016	11/04/10	1732
08	20100839 SD1	L9HH91AK	D1104018	11/04/10	1810
09	20100840 SD1	L9HJC1AK	D1104019	11/04/10	1829
10	20100841 SD1	L9HJD1AK	D1104020	11/04/10	1848
11	20100842 SD1	L9HJF1AK	D1104022	11/04/10	1927
12	20100876 RSD	L9HJG1AK	D1104024	11/04/10	2005
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FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.:

Lab File ID: D1108DF1 DFTPP Injection Date: 11/08/10

Instrument ID: 732 DFTPP Injection Time: 1252

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	34.8
68	Less than 2.0% of mass 69	0.4 (1.1)1
69	Mass 69 relative abundance	37.9
70	Less than 2.0% of mass 69	0.2 (0.6)1
127	40.0 - 60.0% of mass 198	46.5
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	18.8
365	Greater than 1.0% of mass 198	1.73
441	Present, but less than mass 443	6.8
442	40.0 - 99.0% of mass 198	46.7
443	17.0 - 23.0% of mass 442	9.3 (20.0)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD4	SSTD4	D1108CC1	11/08/10	1306
02	20100836 RSD	L9HH31A8	D1108025	11/08/10	1624
03					
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FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: C0K030562

Lab File ID (Standard): D1104CC1 Date Analyzed: 11/04/10

Instrument ID: 732 Time Analyzed: 1227

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	55787	4.38	268778	5.41	205021	6.82
	UPPER LIMIT	111574	4.88	537556	5.91	410042	7.32
	LOWER LIMIT	27894	3.88	134389	4.91	102511	6.32
	CLIENT SAMPLE NO.						
01	INTRA-LAB BL	50911	4.37	250669	5.40	196787	6.81
02	INTRA-LAB CH	49797	4.38	245708	5.40	181160	6.82
03	20100836 RSD	81275	4.37	376931	5.40	264157	6.81
04	20100836 RSD	53687	4.37	259352	5.40	183182	6.81
05	20100837 SD1	50514	4.40	233840	5.43	166573	6.84
06	20100838 SD1	50604	4.37	230908	5.40	159363	6.82
07	20100839 SD1	52301	4.37	232391	5.40	154756	6.82
08	20100840 SD1	53162	4.37	238801	5.40	164775	6.81
09	20100841 SD1	51074	4.37	238709	5.40	169061	6.81
10	20100842 SD1	53970	4.37	242151	5.40	172800	6.81
11	20100876 RSD	49007	4.37	213780	5.40	154951	6.81
12							
13							
14							
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16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: C0K030562

Lab File ID (Standard): D1104CC1 Date Analyzed: 11/04/10

Instrument ID: 732 Time Analyzed: 1227

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	383240	8.01	366491	10.14	320716	11.56
	UPPER LIMIT	766480	8.51	732982	10.64	641432	12.06
	LOWER LIMIT	191620	7.51	183246	9.64	160358	11.06
	CLIENT SAMPLE NO.						
01	INTRA-LAB BL	359993	8.00	329338	10.14	273772	11.55
02	INTRA-LAB CH	316173	8.01	290691	10.14	276653	11.55
03	20100836 RSD	488961	8.00	539690	10.14	532547	11.55
04	20100836 RSD	331315	8.00	353794	10.14	336232	11.55
05	20100837 SD1	292017	8.03	331635	10.16	318619	11.59
06	20100838 SD1	298778	8.01	339393	10.14	338839	11.56
07	20100839 SD1	290250	8.01	338639	10.14	355430	11.56
08	20100840 SD1	308135	8.00	365916	10.14	388200	11.56
09	20100841 SD1	320125	8.00	380635	10.14	412343	11.56
10	20100842 SD1	314983	8.00	375893	10.14	397297	11.56
11	20100876 RSD	293951	8.01	350256	10.14	383413	11.56
12							
13							
14							
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16							
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18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: DFTPP050

Lab File ID (Standard): D1108CC1 Date Analyzed: 11/08/10

Instrument ID: 732 Time Analyzed: 1306

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	65431	4.37	312320	5.39	249829	6.80
	UPPER LIMIT	130862	4.87	624640	5.89	499658	7.30
	LOWER LIMIT	32716	3.87	156160	4.89	124915	6.30
	CLIENT SAMPLE NO.						
01	20100836 RSD	55286	4.37	276897	5.39	221180	6.80
02							
03							
04							
05							
06							
07							
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17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: DFTPP050

Lab File ID (Standard): D1108CC1 Date Analyzed: 11/08/10

Instrument ID: 732 Time Analyzed: 1306

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	478359	7.98	510926	10.10	501653	11.49
	UPPER LIMIT	956718	8.48	1021852	10.60	1003306	11.99
	LOWER LIMIT	239180	7.48	255463	9.60	250827	10.99
	CLIENT SAMPLE NO.						
01	20100836 RSD	434345	7.98	532255	10.10	567009	11.50
02							
03							
04							
05							
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21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

GC/MS SEMIVOLATILE
SAMPLE DATA

Leo Brausch Consulting

Client Sample ID: 20100836 RSD10-01

GC/MS Semivolatiles

Lot-Sample #...:	C0K030562-001	**Work Order #...:**	L9HH31AC	**Matrix.....:**	SOLID
Date Sampled...:	10/19/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308011
Prep Date.....:	11/04/10	**Analysis Date..:**	11/04/10		
Prep Batch #...:	0308035	**Analysis Time..:**	16:07		
Dilution Factor:	5	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	87	**Analyst ID.....:**	430261	**Instrument ID..:**	732
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	270	ug/kg	25
Acenaphthylene	ND	270	ug/kg	30
Acetophenone	ND	1300	ug/kg	110
Anthracene	ND	270	ug/kg	26
Atrazine	ND	1300	ug/kg	130
Benzo(a)anthracene	**63 J**	**270**	**ug/kg**	**33**
Benzo(a)pyrene	**600**	**270**	**ug/kg**	**26**
Benzo(b)fluoranthene	**110 J**	**270**	**ug/kg**	**42**
Benzo(ghi)perylene	**61 J**	**270**	**ug/kg**	**26**
Benzo(k)fluoranthene	ND	270	ug/kg	53
Benzaldehyde	ND	1300	ug/kg	200
1,1'-Biphenyl	ND	1300	ug/kg	120
bis(2-Chloroethoxy) methane	ND	1300	ug/kg	87
bis(2-Chloroethyl)-ether	ND	270	ug/kg	35
bis(2-Ethylhexyl) phthalate	ND	1300	ug/kg	210
4-Bromophenyl phenyl ether	ND	1300	ug/kg	110
Butyl benzyl phthalate	ND	1300	ug/kg	180
Caprolactam	ND	6700	ug/kg	1000
Carbazole	ND	270	ug/kg	24
4-Chloroaniline	ND	1300	ug/kg	110
4-Chloro-3-methylphenol	ND	1300	ug/kg	120
2-Chloronaphthalene	ND	270	ug/kg	28
2-Chlorophenol	ND	1300	ug/kg	110
4-Chlorophenyl phenyl ether	ND	1300	ug/kg	150
Chrysene	**64 J**	**270**	**ug/kg**	**31**
Dibenz(a,h)anthracene	ND	270	ug/kg	29
Dibenzofuran	ND	1300	ug/kg	130
3,3'-Dichlorobenzidine	ND	1300	ug/kg	140
2,4-Dichlorophenol	ND	270	ug/kg	26
Diethyl phthalate	ND	1300	ug/kg	140
2,4-Dimethylphenol	ND	1300	ug/kg	210
Dimethyl phthalate	ND	1300	ug/kg	140

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100836 RSD10-01

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-001 **Work Order #...:** L9HH31AC **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	1300	ug/kg	170
4,6-Dinitro-2-methylphenol	ND	6700	ug/kg	530
2,4-Dinitrophenol	ND	6700	ug/kg	1600
2,4-Dinitrotoluene	ND	1300	ug/kg	110
2,6-Dinitrotoluene	ND	1300	ug/kg	140
Di-n-octyl phthalate	ND	1300	ug/kg	140
Fluoranthene	**95 J**	**270**	**ug/kg**	**28**
Fluorene	ND	270	ug/kg	35
Hexachlorobenzene	ND	270	ug/kg	28
Hexachlorobutadiene	ND	270	ug/kg	30
Hexachlorocyclopentadiene	ND	1300	ug/kg	140
Hexachloroethane	ND	1300	ug/kg	95
Indeno(1,2,3-cd)pyrene	**600**	**270**	**ug/kg**	**27**
Isophorone	ND	1300	ug/kg	100
2-Methylnaphthalene	ND	270	ug/kg	24
2-Methylphenol	ND	1300	ug/kg	92
4-Methylphenol	ND	1300	ug/kg	130
Naphthalene	ND	270	ug/kg	23
2-Nitroaniline	ND	6700	ug/kg	590
3-Nitroaniline	ND	6700	ug/kg	540
4-Nitroaniline	ND	6700	ug/kg	530
Nitrobenzene	ND	270	ug/kg	110
2-Nitrophenol	ND	1300	ug/kg	150
4-Nitrophenol	ND	6700	ug/kg	450
N-Nitrosodi-n-propylamine	ND	270	ug/kg	31
N-Nitrosodiphenylamine	ND	270	ug/kg	120
2,2'-oxybis (1-Chloropropane)	ND	270	ug/kg	29
Pentachlorophenol	ND	1300	ug/kg	120
Phenanthrene	**51 J**	**270**	**ug/kg**	**42**
Phenol	ND	270	ug/kg	31
Pyrene	**72 J**	**270**	**ug/kg**	**27**
2,4,5-Trichlorophenol	ND	1300	ug/kg	140
2,4,6-Trichlorophenol	ND	1300	ug/kg	200

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100836 RSD10-01

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-001 **Work Order #...:** L9HH31AC **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	63	(27 - 110)
Terphenyl-d14	44	(21 - 130)
2-Fluorobiphenyl	51	(28 - 108)
2-Fluorophenol	56	(28 - 107)
Phenol-d5	57	(30 - 112)
2,4,6-Tribromophenol	40	(21 - 116)

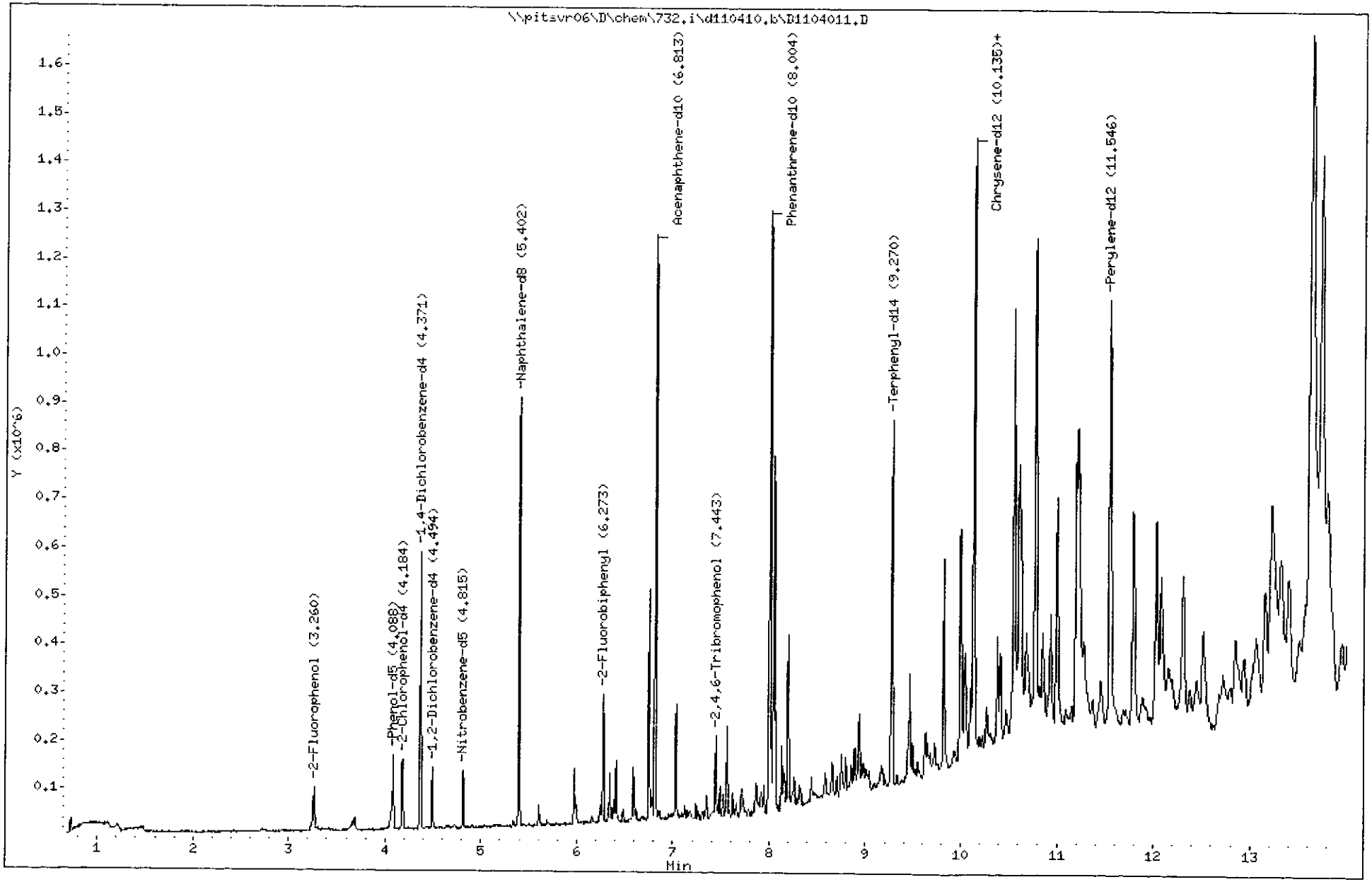
NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104011.D
Date : 04-NOV-2010 16:07
Client ID: 20100836 RSD10-01
Sample Info: c0k030562-001 10x 11/04/10 sedS42(0308035)
Volume Injected (uL): 2.0
Column phase: DB5-MS

Instrument: 732.i
Operator: 430261nc
Column diameter: 0.32



C0K030562 1019 (1001 - 1489)

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d110410.b\D1104011.D
Lab Smp Id: l9hh31ac Client Smp ID: 20100836 RSD10-01
Inj Date : 04-NOV-2010 16:07
Operator : 430261nc Inst ID: 732.i
Smp Info : c0k030562-001 10x 11/04/10 sedS42(0308035)
Misc Info : l9hh31ac,d110410.b,ll.m,3-root.sub
Comment :
Method : \\pitsvr06\D\chem\732.i\d110410.b\ll.m
Meth Date : 08-Nov-2010 18:58 campisin Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 13
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws)*1 * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)
* 1	1,4-Dichlorobenzene-d4	152	4.371	4.382	(1.000)	81275	8.00000	
* 2	Naphthalene-d8	136	5.402	5.407	(1.000)	376931	8.00000	
* 3	Acenaphthene-d10	164	6.812	6.823	(1.000)	264157	8.00000	
* 4	Phenanthrene-d10	188	8.003	8.014	(1.000)	488961	8.00000	
* 5	Chrysene-d12	240	10.135	10.140	(1.000)	539690	8.00000	
* 6	Perylene-d12	264	11.551	11.556	(1.000)	532547	8.00000	
198	1,4-Dioxane	88	Compound Not Detected.					
10	N-Nitrosodimethylamine	74	Compound Not Detected.					
9	Pyridine	79	Compound Not Detected.					
16	Methyl methanesulfonate	80	Compound Not Detected.					
206	Benzaldehyde	77	4.002	4.013	(0.916)	786	0.10877	9.0639(Q)
21	Aniline	93	Compound Not Detected.					
22	Phenol	94	Compound Not Detected.					
23	bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24	2-Chlorophenol	128	Compound Not Detected.					
26	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
28	1,2-Dichlorobenzene	146	Compound Not Detected.					
29	Benzyl Alcohol	108	Compound Not Detected.					
217	Indene	116	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
30	2-Methylphenol	108	Compound Not Detected.					
31	2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
36	N-Nitrosopyrrolidine	100	Compound Not Detected.					
37	Acetophenone	105	Compound Not Detected.					
32	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192	4-Methylphenol	108	Compound Not Detected.					
34	Hexachloroethane	117	Compound Not Detected.					
35	Nitrobenzene	77	Compound Not Detected.					
41	Isophorone	82	Compound Not Detected.					
42	2-Nitrophenol	139	Compound Not Detected.					
43	2,4-Dimethylphenol	107	Compound Not Detected.					
44	bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48	2,4-Dichlorophenol	162	Compound Not Detected.					
49	Benzoic Acid	122	5.167	5.199	(0.956)	1046	0.11733	9.7775(Q)
50	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51	Naphthalene	128	Compound Not Detected.					
52	4-Chloroaniline	127	Compound Not Detected.					
54	2,6-Dichlorophenol	162	Compound Not Detected.					
56	Hexachlorobutadiene	224	Compound Not Detected.					
208	Caprolactam	113	Compound Not Detected.					
59	4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62	2-Methylnaphthalene	142	Compound Not Detected.					
63	1-Methylnaphthalene	142	Compound Not Detected.					
64	Hexachlorocyclopentadiene	236	Compound Not Detected.					
65	1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66	2,4,6-Trichlorophenol	196	Compound Not Detected.					
67	2,4,5-Trichlorophenol	196	Compound Not Detected.					
209	1,1'-Biphenyl	154	Compound Not Detected.					
70	2-Chloronaphthalene	162	Compound Not Detected.					
73	2-Nitroaniline	65	Compound Not Detected.					
76	Dimethylphthalate	163	Compound Not Detected.					
78	2,6-Dinitrotoluene	165	Compound Not Detected.					
79	Acenaphthylene	152	Compound Not Detected.					
81	3-Nitroaniline	138	Compound Not Detected.					
82	Acenaphthene	153	Compound Not Detected.					
83	2,4-Dinitrophenol	184	Compound Not Detected.					
85	4-Nitrophenol	109	Compound Not Detected.					
86	Dibenzofuran	168	Compound Not Detected.					
87	2,4-Dinitrotoluene	165	Compound Not Detected.					
91	2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88	2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92	2-Naphthylamine	143	Compound Not Detected.					
93	Diethylphthalate	149	Compound Not Detected.					
94	Fluorene	166	Compound Not Detected.					
95	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96	4-Nitroaniline	138	Compound Not Detected.					
98	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99	N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100	1,2-Diphenylhydrazine	77	Compound Not Detected.					
106	4-Bromophenyl-phenylether	248	Compound Not Detected.					
107	Hexachlorobenzene	283	Compound Not Detected.					
210	Atrazine	200	Compound Not Detected.					
111	Pentachlorophenol	265	Compound Not Detected.					
115	Phenanthrene	178	8.025	8.030	(1.003)	5316	0.07771	6.4760
116	Anthracene	178	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	8.976	8.987	(1.121)	10368	0.14455	12.046(Q)
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	9.163	9.168	(0.904)	8914	0.10894	9.0785
131 Butylbenzylphthalate	149	9.660	9.665	(0.953)	3832	0.10506	8.7548(M)
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	10.130	10.130	(0.999)	6693	0.09528	7.9400
137 Chrysene	228	10.156	10.162	(1.002)	7447	0.09648	8.0396
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	11.134	11.129	(0.964)	8531	0.17147	14.290(M)
142 Benzo(k)fluoranthene	252	11.145	11.155	(0.965)	3450	0.03973	3.3104(QM)
143 7,12-dimethylbenz(a)anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	11.487	11.497	(0.994)	6294	0.91316	76.096
149 Indeno(1,2,3-cd)pyrene	276	13.014	13.020	(1.127)	4852	0.91621	76.351
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	13.447	13.458	(1.164)	5890	0.09291	7.7428(QM)
$ 154 Nitrobenzene-d5	82	4.814	4.825	(0.891)	32288	2.50730	208.94
$ 155 2-Fluorobiphenyl	172	6.273	6.283	(0.921)	71674	2.02999	169.17
$ 156 Terphenyl-d14	244	9.275	9.280	(0.915)	84967	1.75803	146.50
$ 157 Phenol-d5	99	4.088	4.098	(0.935)	44791	3.43761	286.47
$ 158 2-Fluorophenol	112	3.260	3.281	(0.746)	29376	3.33250	277.71
$ 159 2,4,6-Tribromophenol	330	7.442	7.453	(0.930)	12488	2.42246	201.87
$ 186 2-Chlorophenol-d4	132	4.184	4.195	(0.957)	41694	3.30738	275.62
$ 187 1,2-Dichlorobenzene-d4	152	4.494	4.504	(1.028)	18302	1.86575	155.48

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104011.D

Date : 04-NOV-2010 16:07

Client ID: 20100836 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-001 10x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

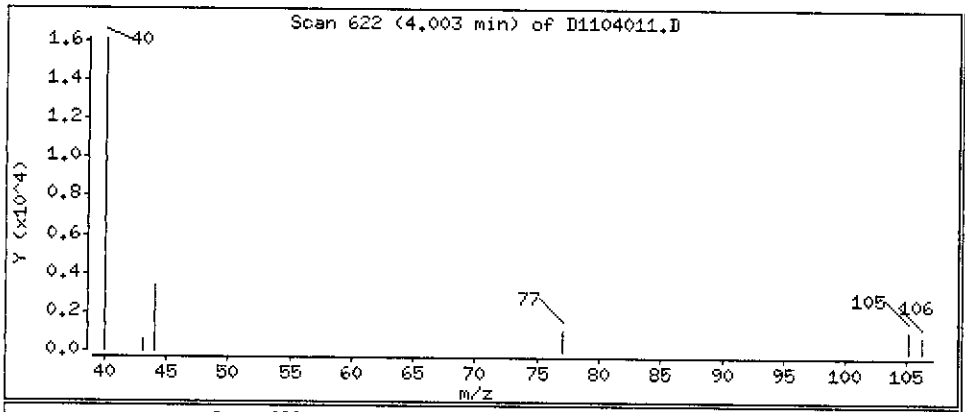
Operator: 430261nc

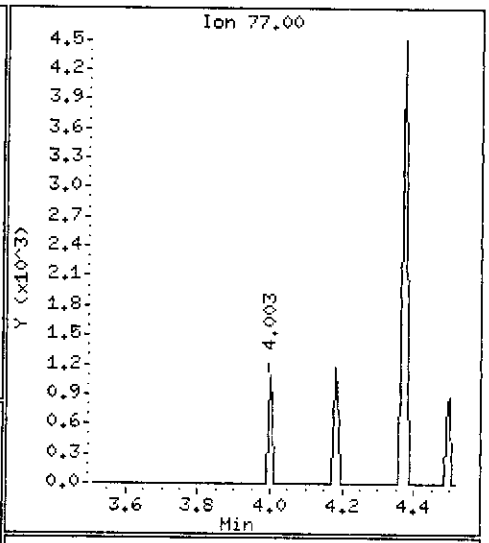
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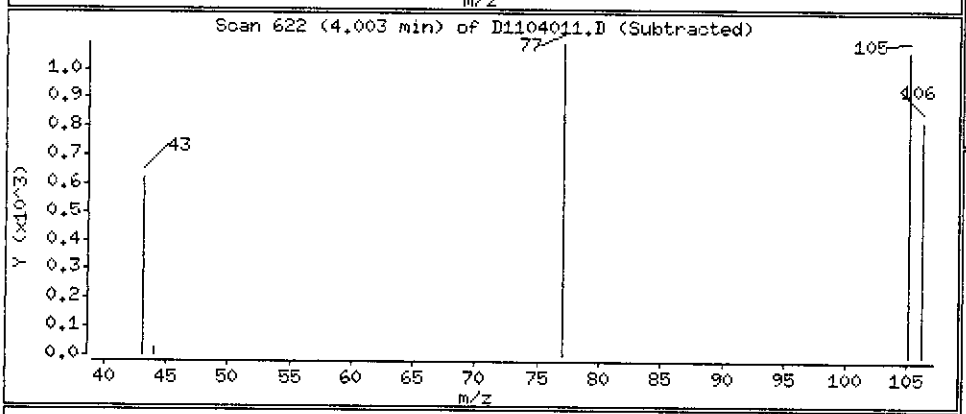
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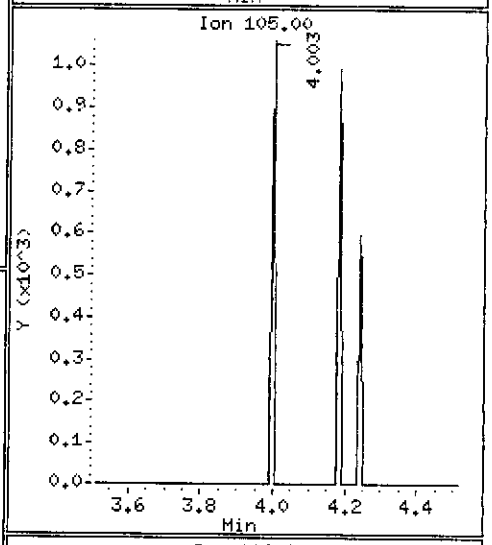
206 Benzaldehyde

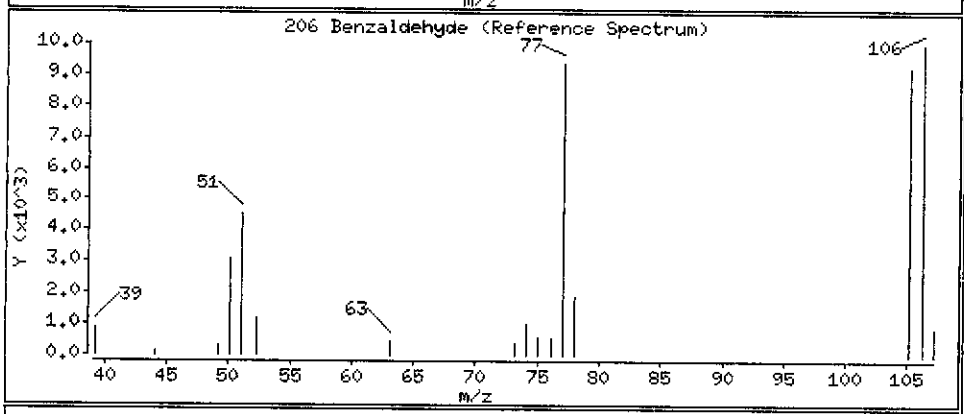
Concentration: 9.0639 ug/kg

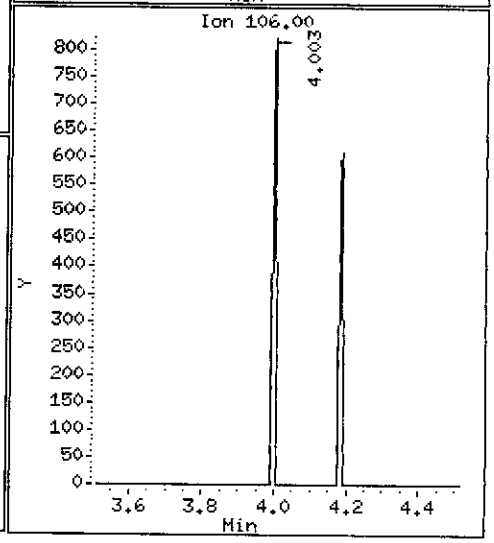


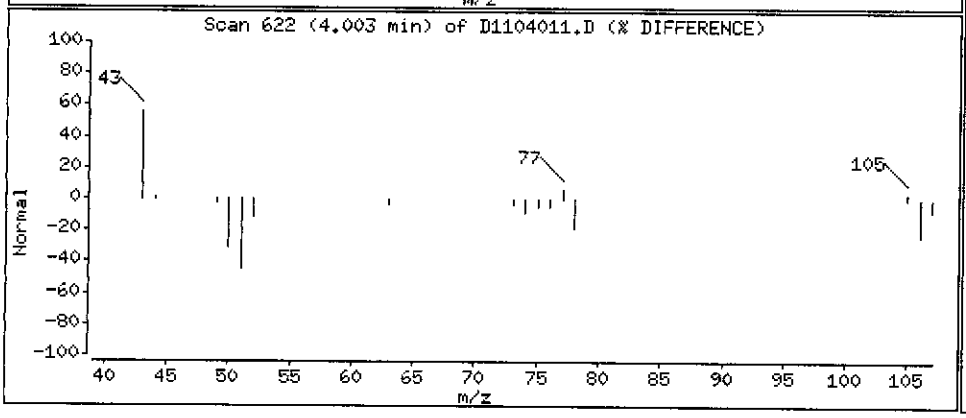












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104011.D

Date : 04-NOV-2010 16:07

Client ID: 20100836 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-001 10x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

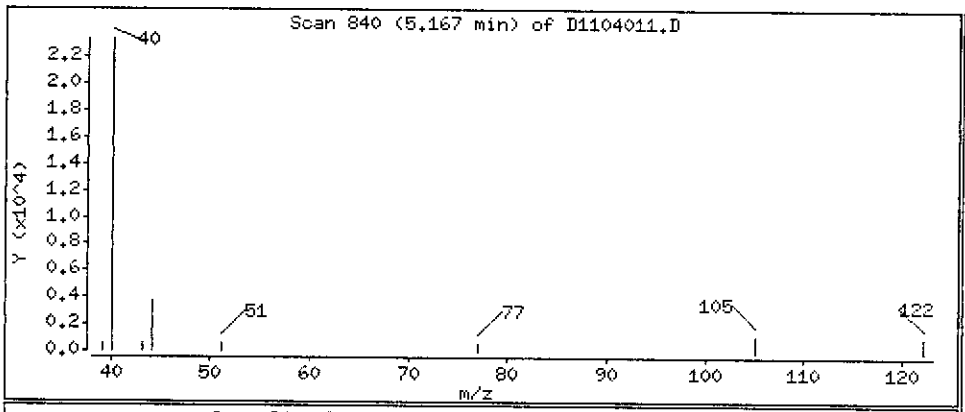
Operator: 430261nc

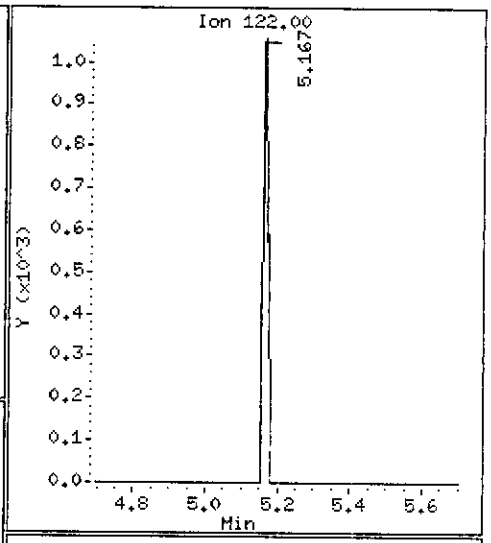
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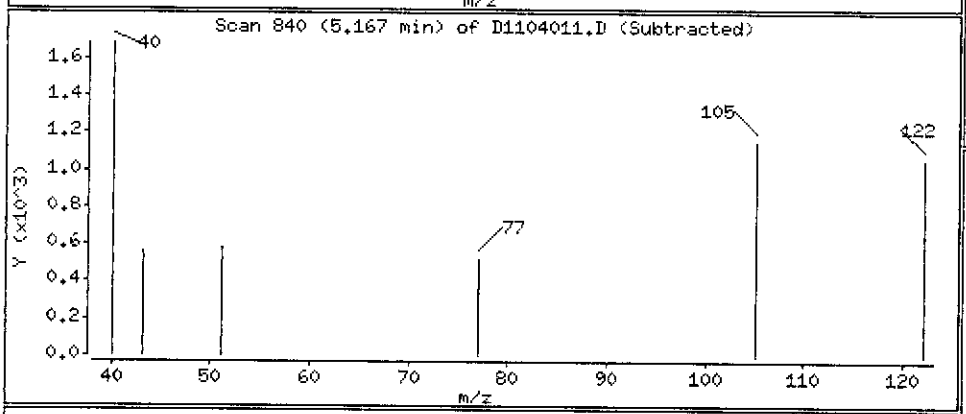
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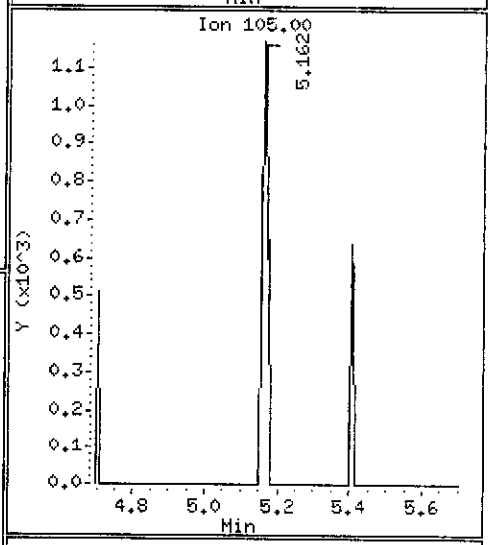
49 Benzoic Acid

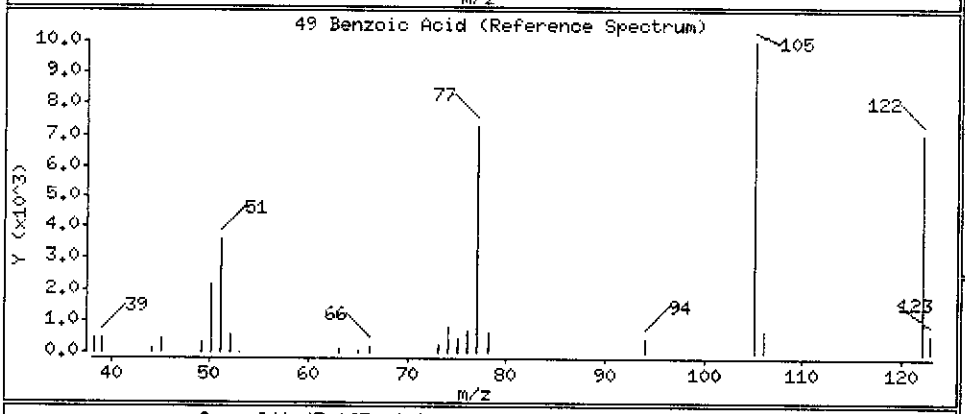
Concentration: 9.7775 ug/kg

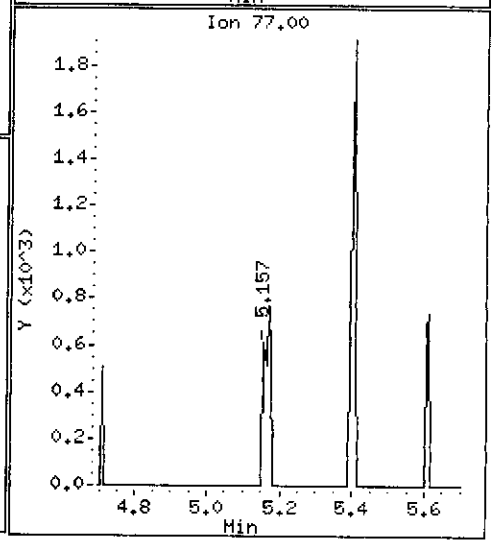


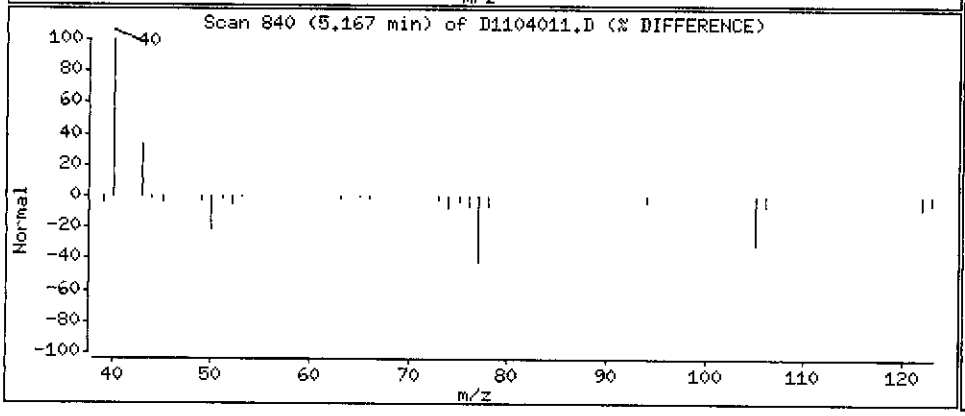












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104011.D

Date : 04-NOV-2010 16:07

Client ID: 20100836 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-001 10x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

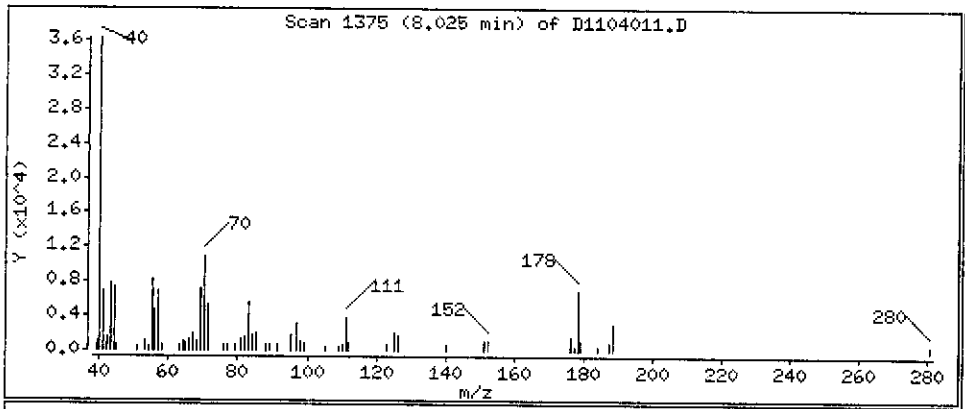
Operator: 430261nc

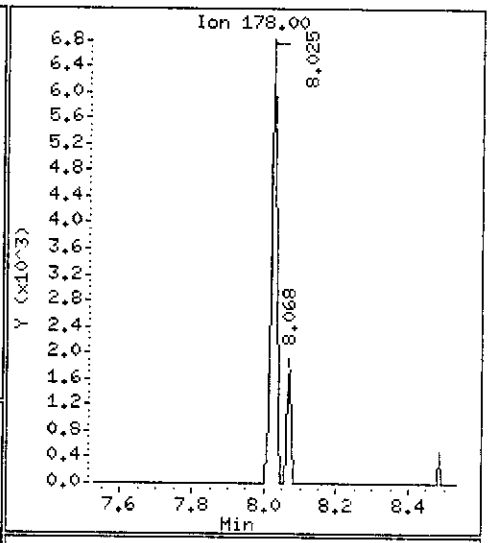
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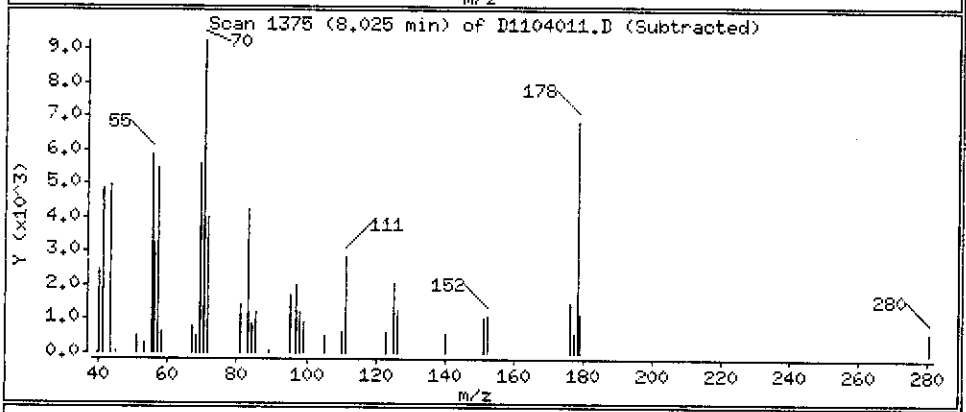
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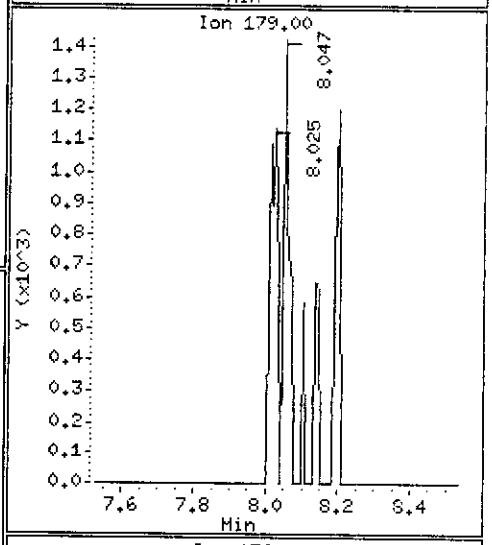
115 Phenanthrene

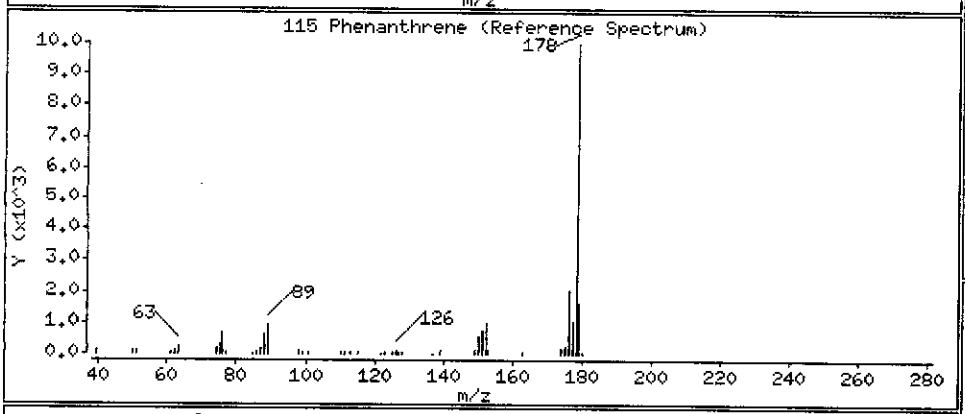
Concentration: 6.4760 ug/kg

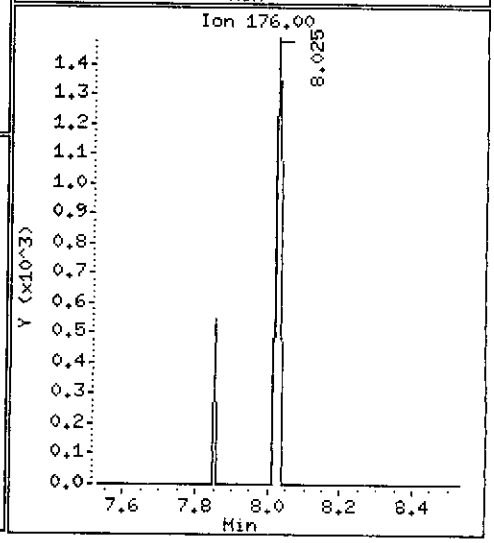


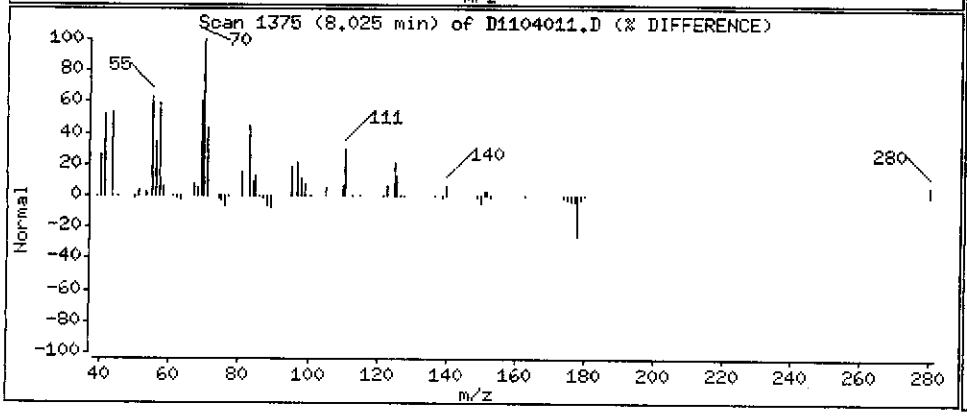












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104011.D

Date : 04-NOV-2010 16:07

Client ID: 20100836 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-001 10x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

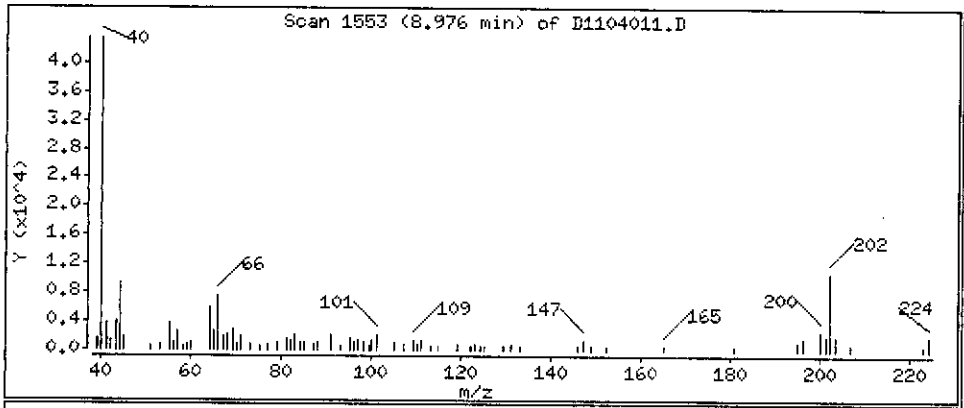
Operator: 430261nc

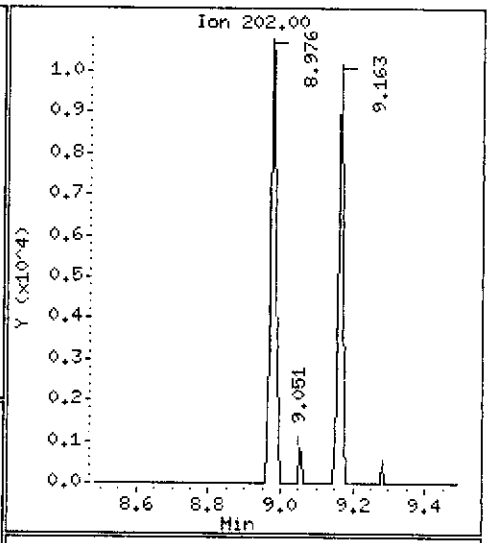
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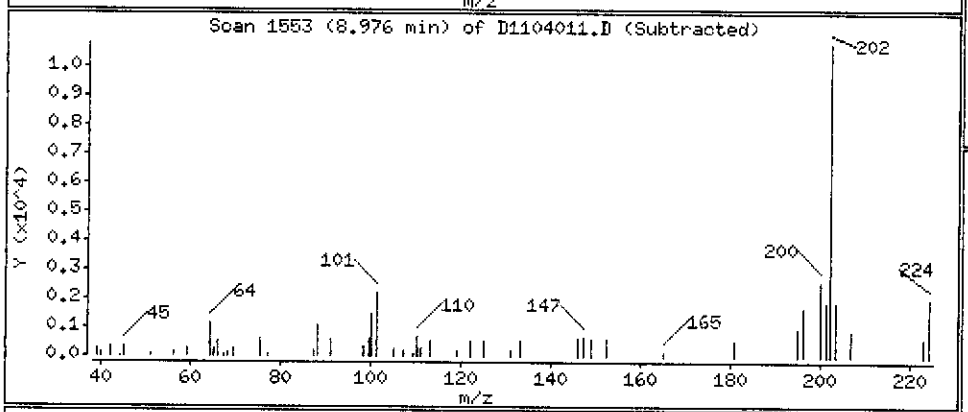
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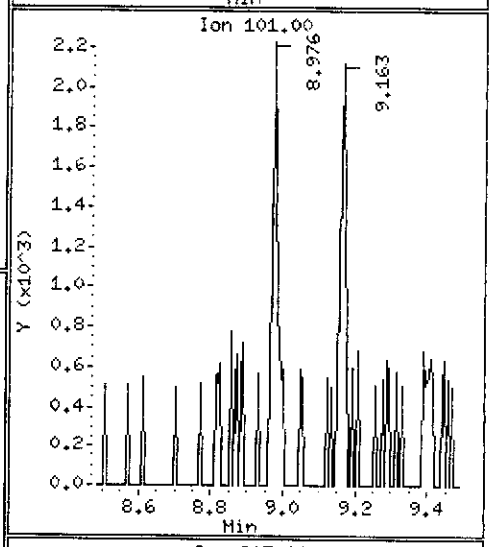
123 Fluoranthene

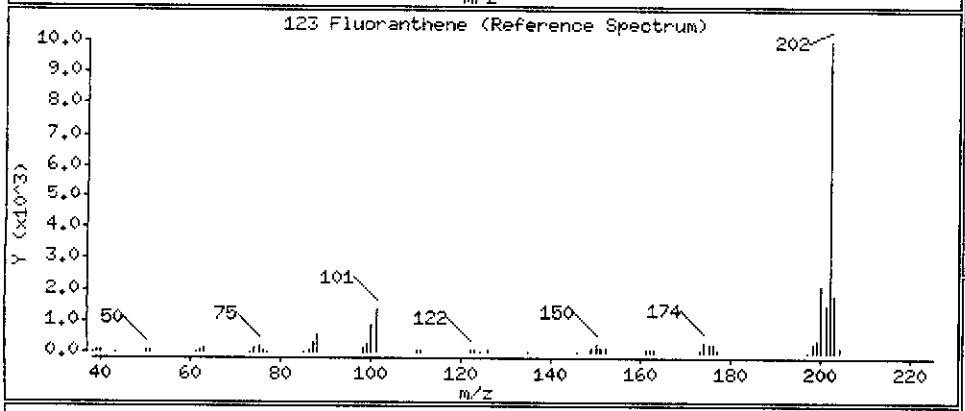
Concentration: 12.046 ug/kg

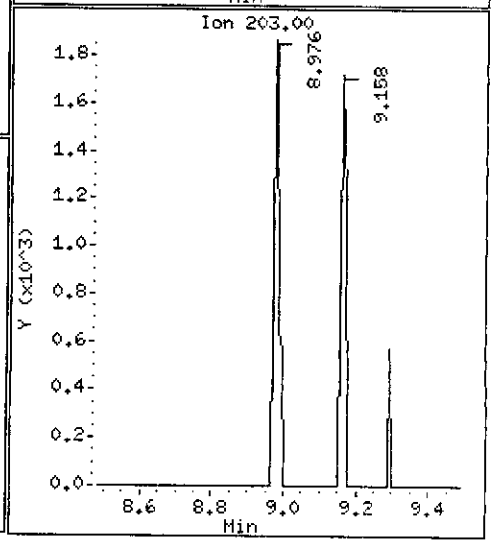


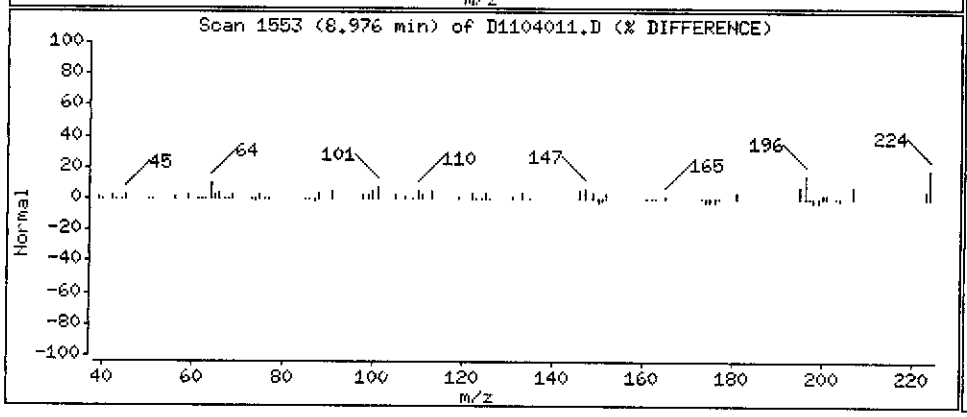












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104011.D

Date : 04-NOV-2010 16:07

Client ID: 20100836 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-001 10x 11/04/10 sed842(0308035)

Volume Injected (uL): 2.0

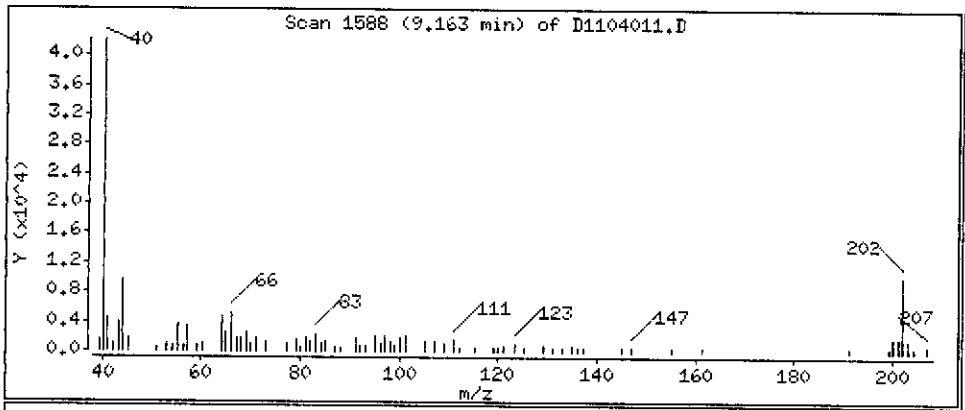
Operator: 430261nc

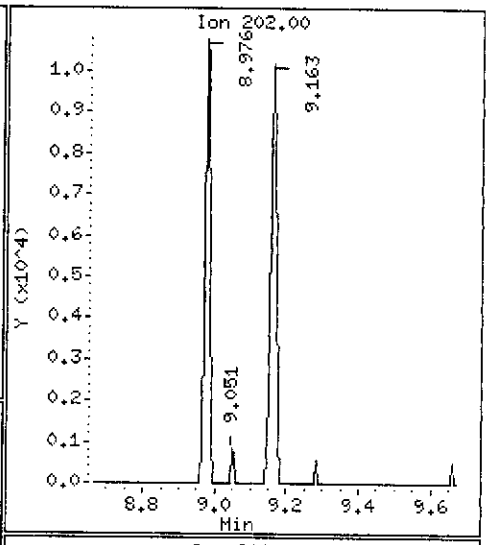
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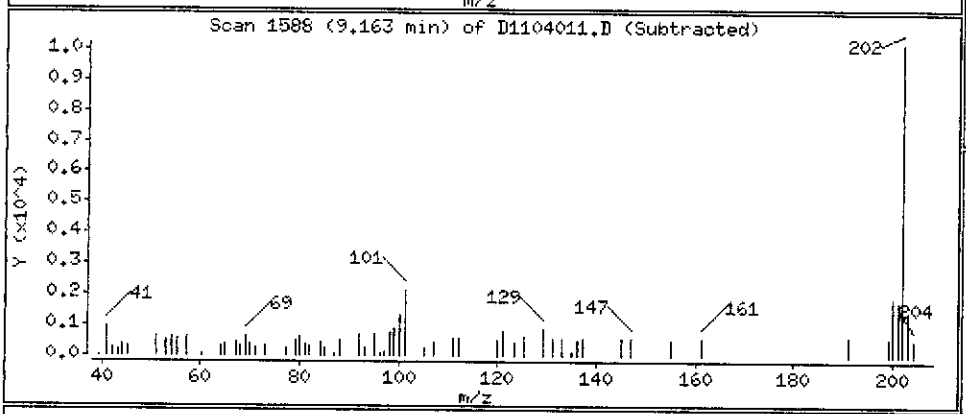
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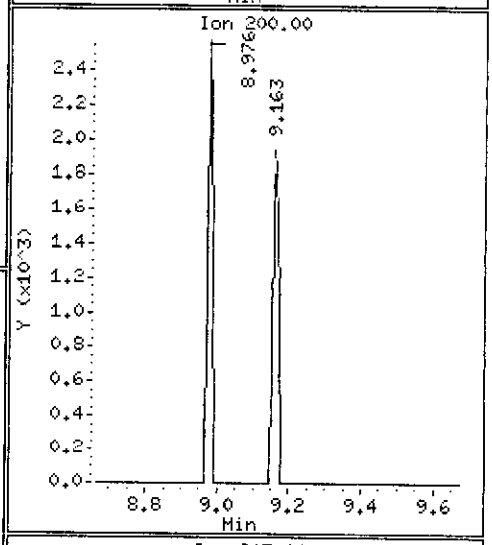
125 Pyrene

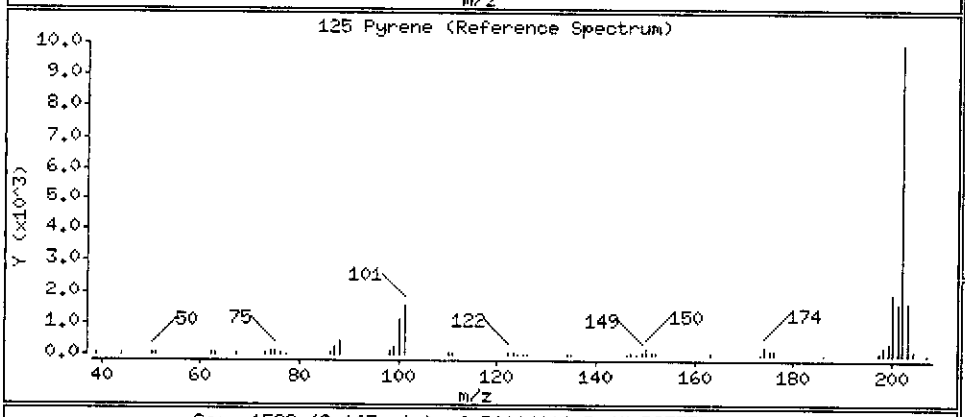
Concentration: 9.0785 ug/kg

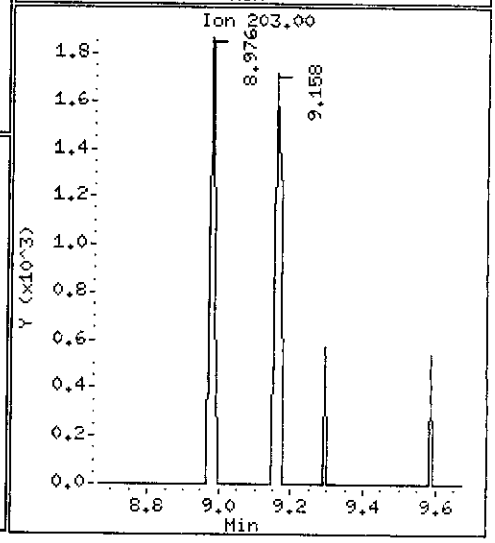


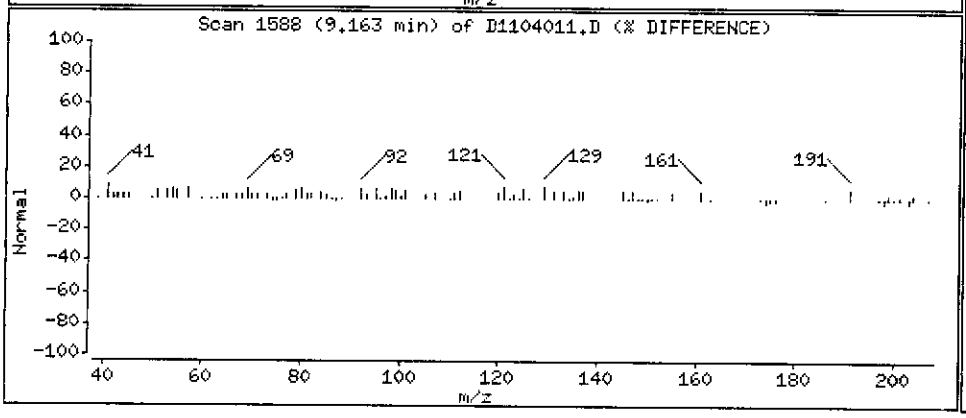












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104011.D

Date : 04-NOV-2010 16:07

Client ID: 20100836 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-001 10x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

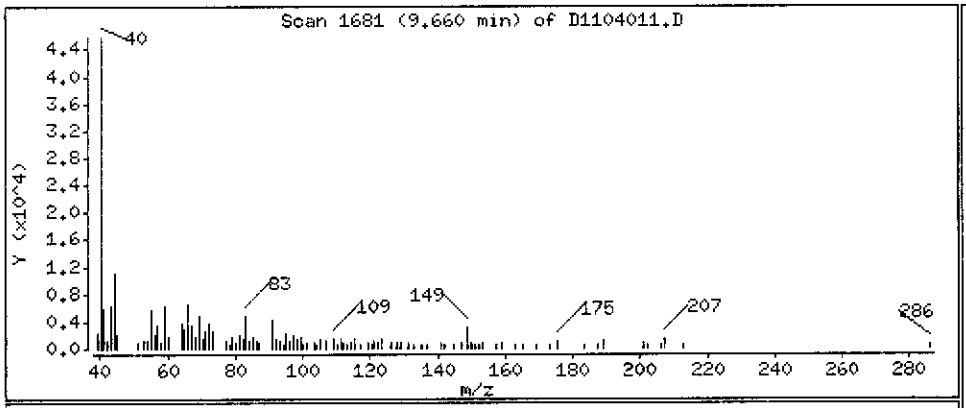
Operator: 430261nc

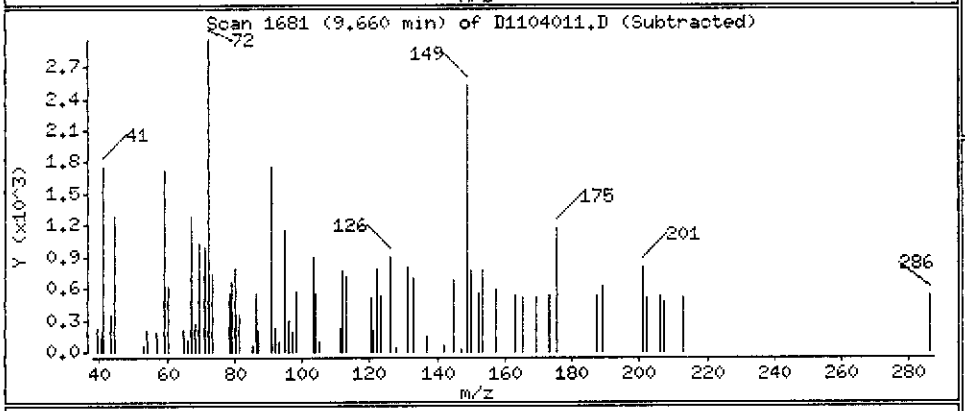
Column phase: DB5-MS

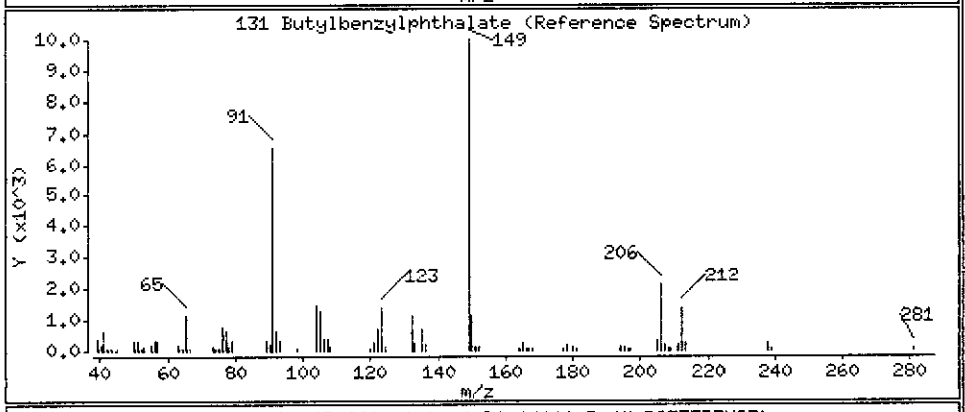
Column diameter: 0.32

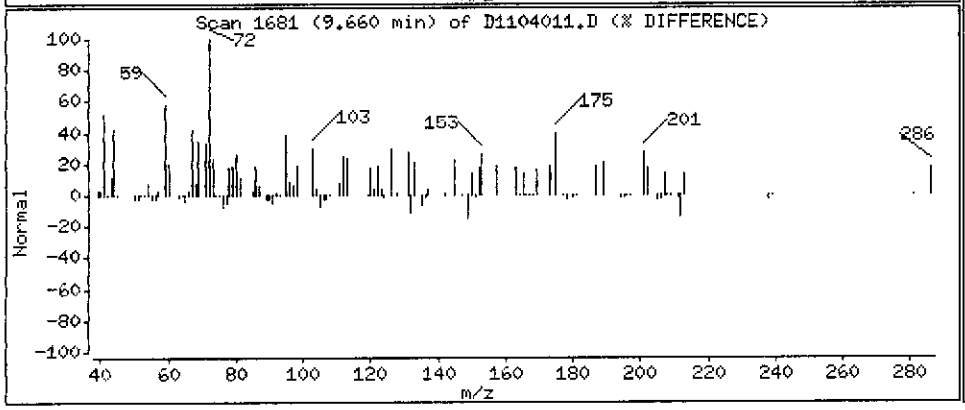
131 Butylbenzylphthalate

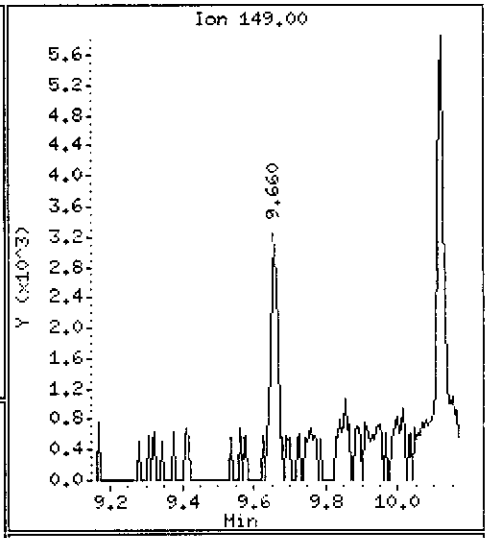
Concentration: 8.7548 ug/kg

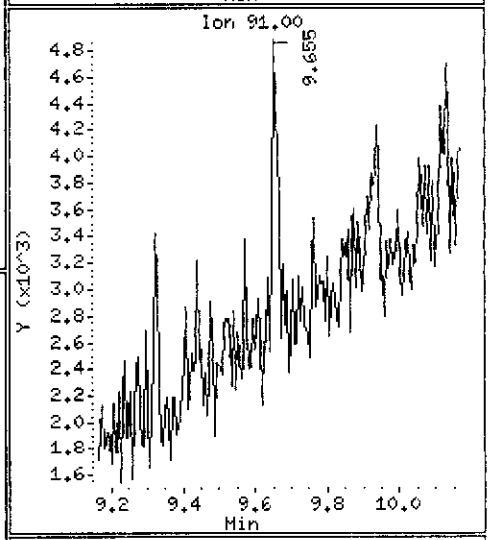


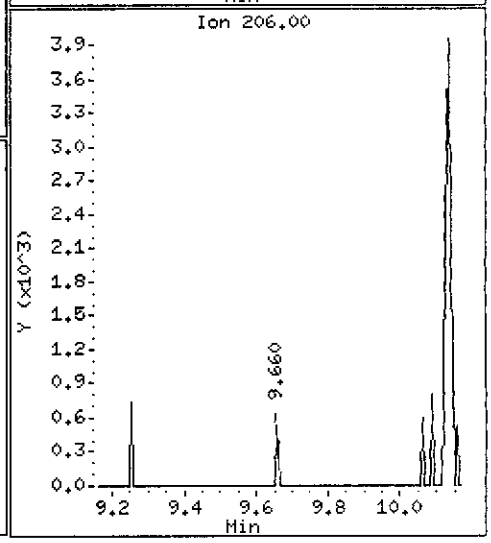












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104011.D

Date : 04-NOV-2010 16:07

Client ID: 20100836 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-001 10x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

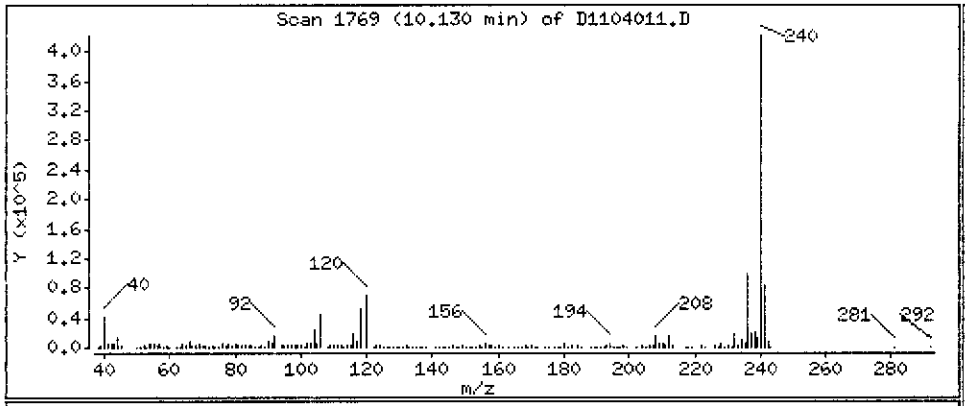
Operator: 430261nc

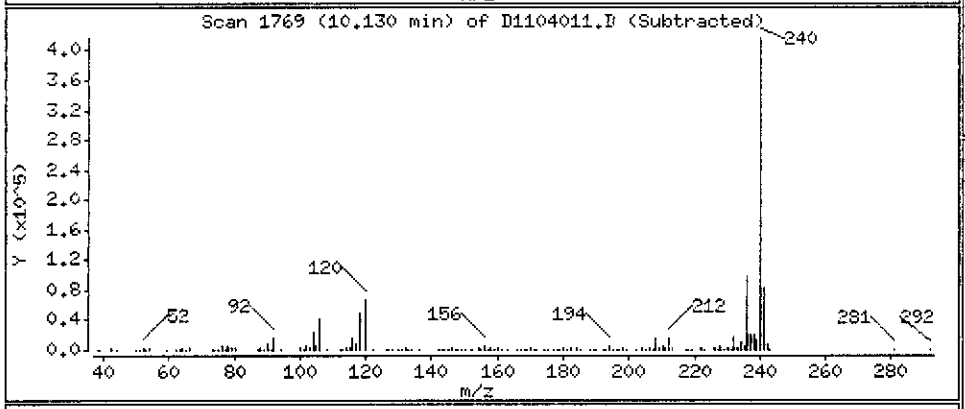
Column phase: DB5-MS

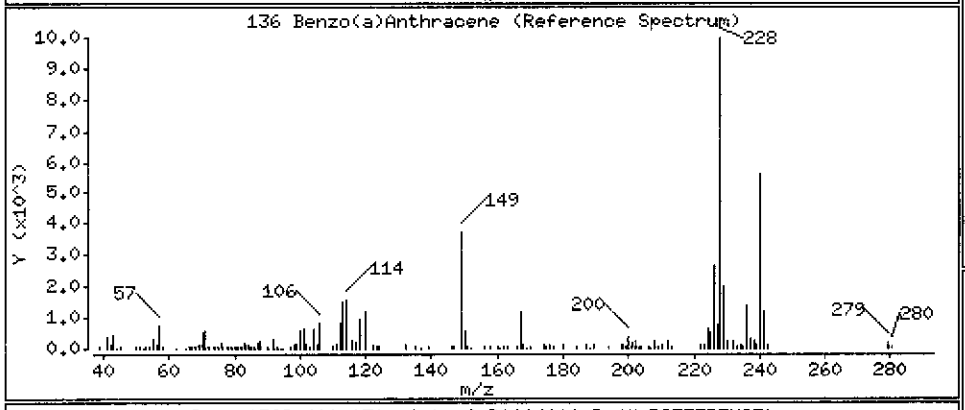
Column diameter: 0.32

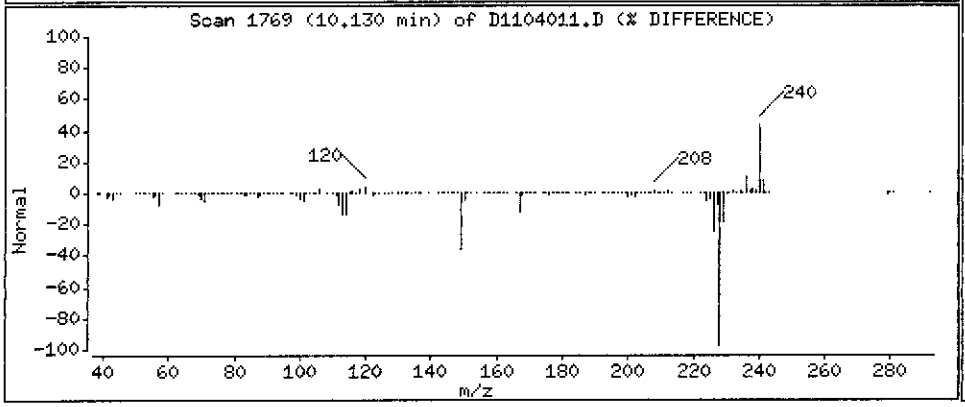
136 Benzo(a)Anthracene

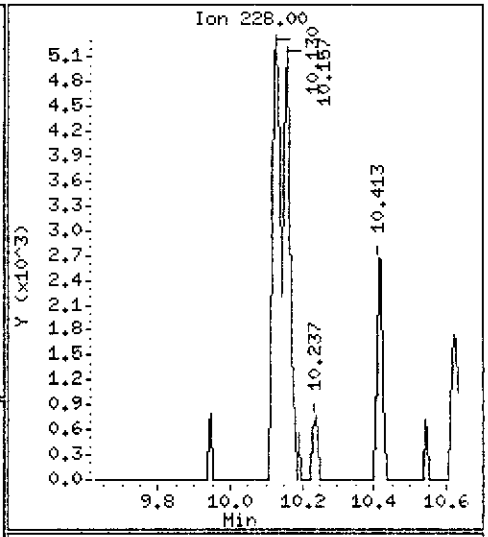
Concentration: 7.9400 ug/kg

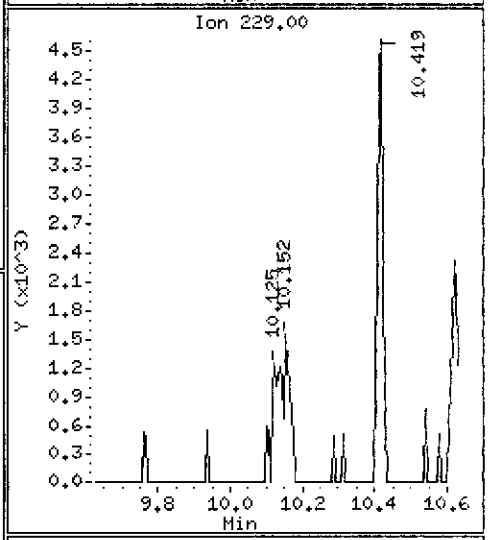


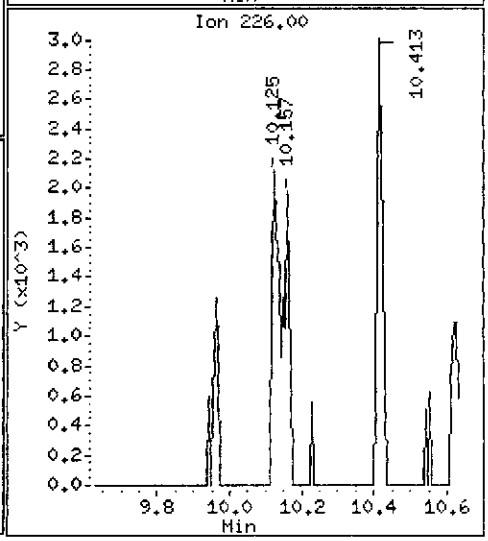












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104011.D

Date : 04-NOV-2010 16:07

Client ID: 20100836 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-001 10x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

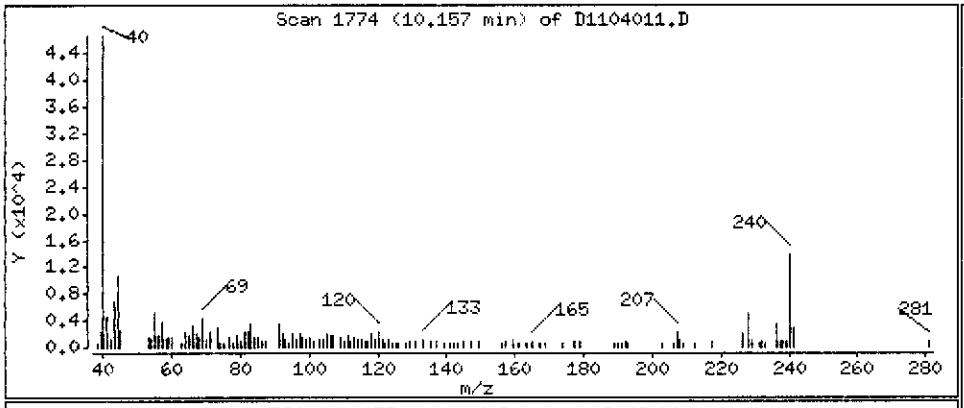
Operator: 430261nc

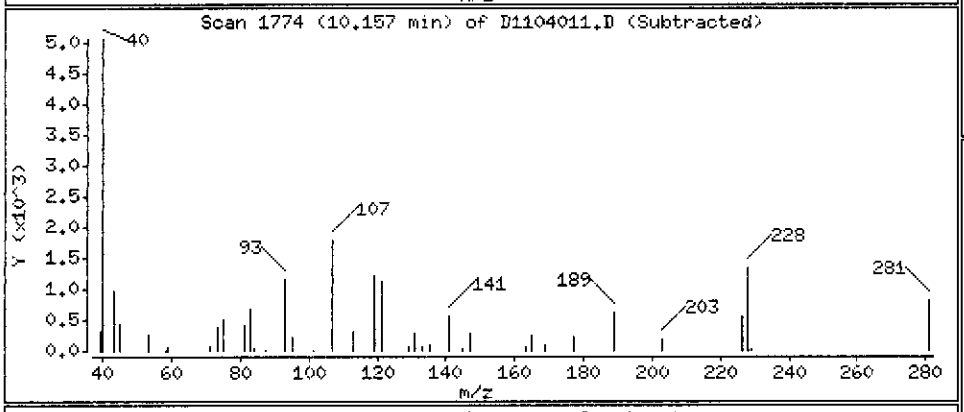
Column phase: DB5-MS

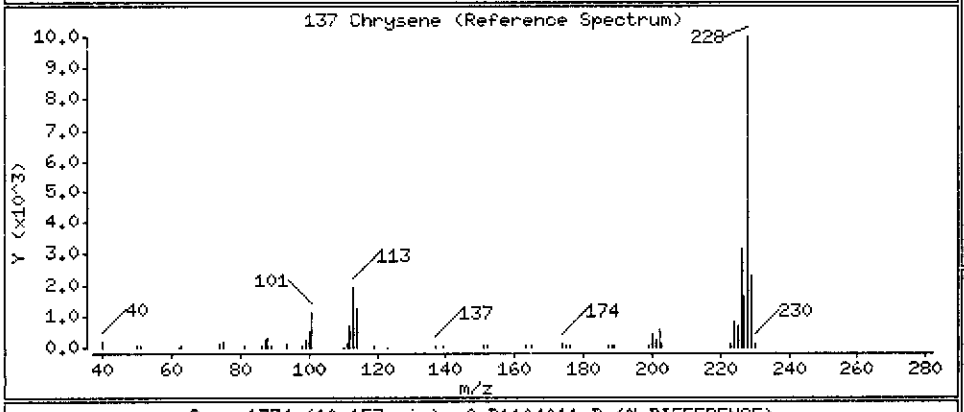
Column diameter: 0.32

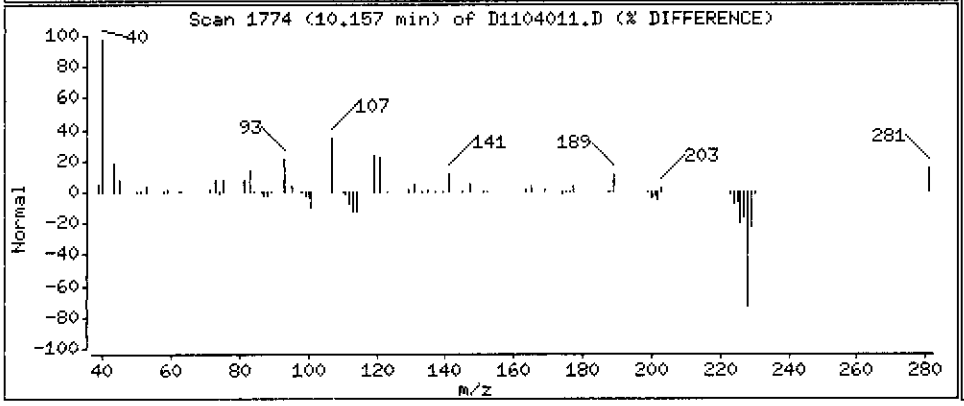
137 Chrysene

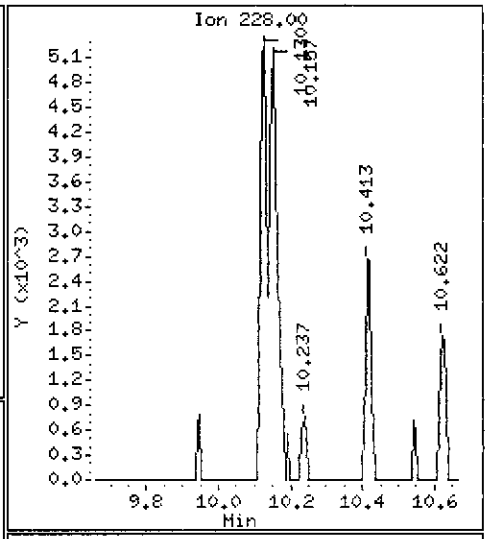
Concentration: 8.0396 ug/kg

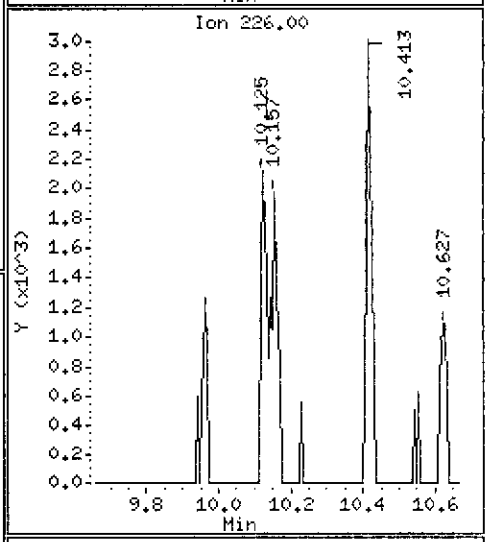


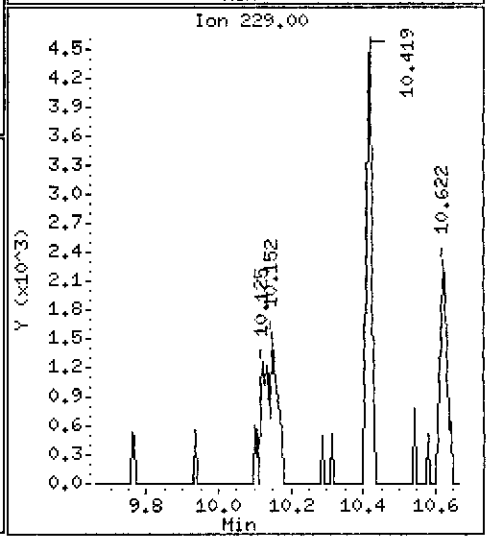












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104011.D

Date : 04-NOV-2010 16:07

Client ID: 20100836 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-001 10x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

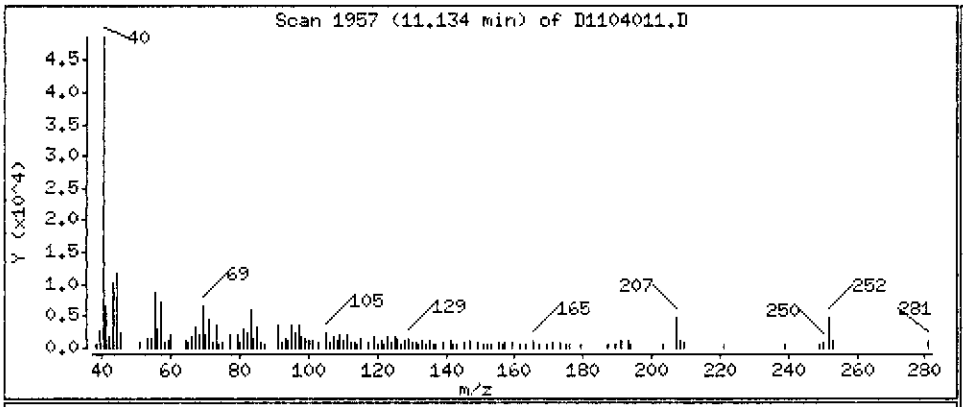
Operator: 430261nc

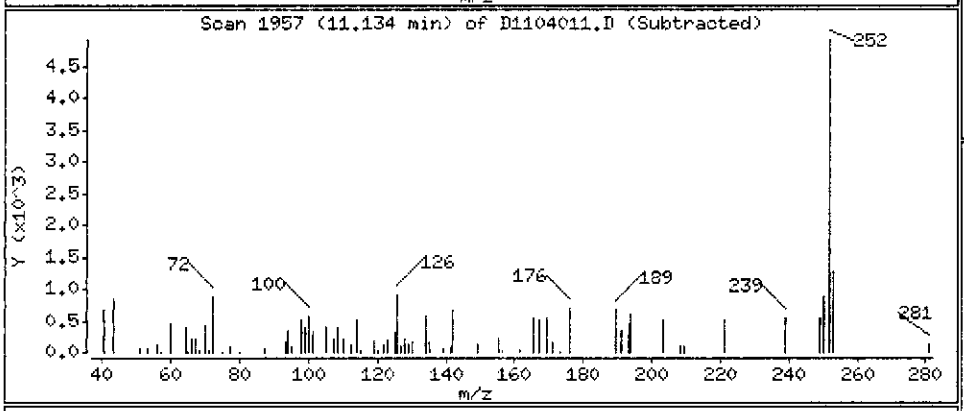
Column phase: DB5-MS

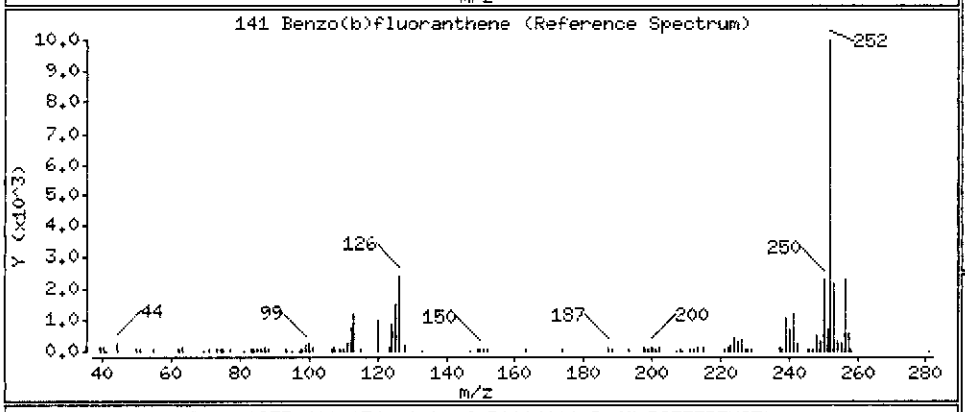
Column diameter: 0.32

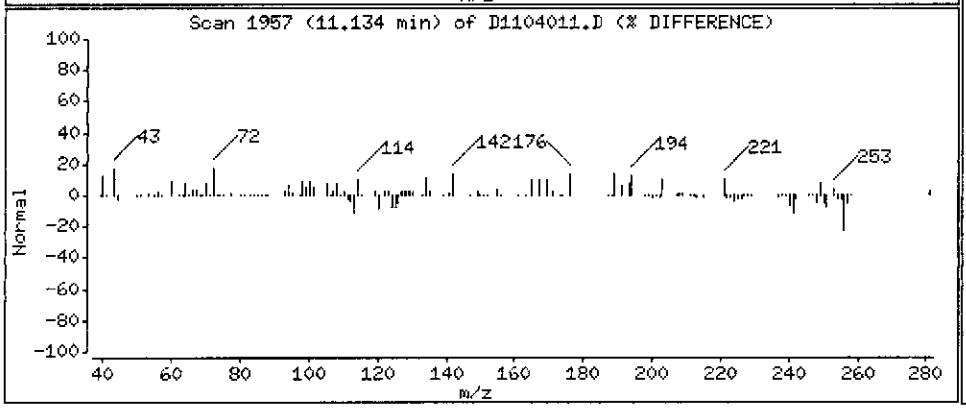
141 Benzo(b)fluoranthene

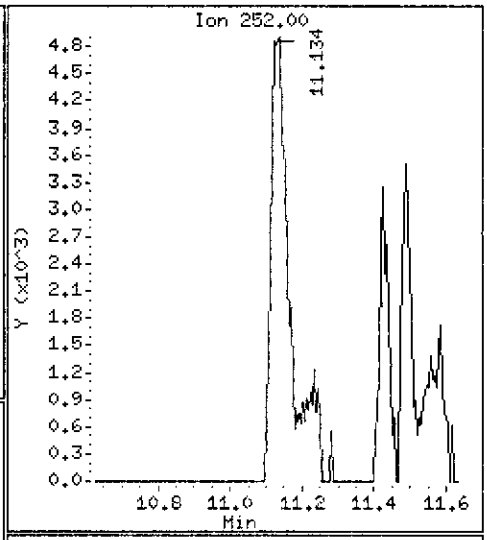
Concentration: 14.290 ug/kg

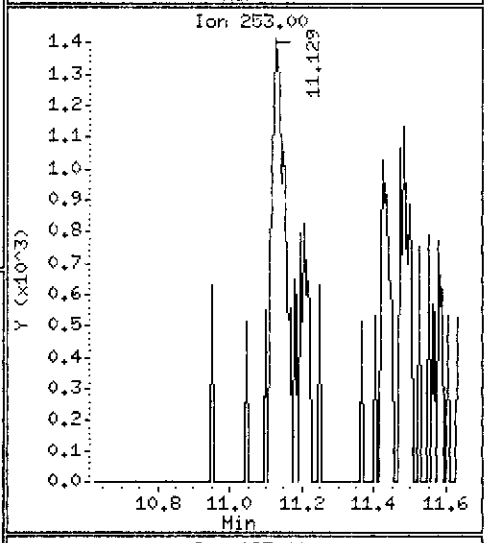


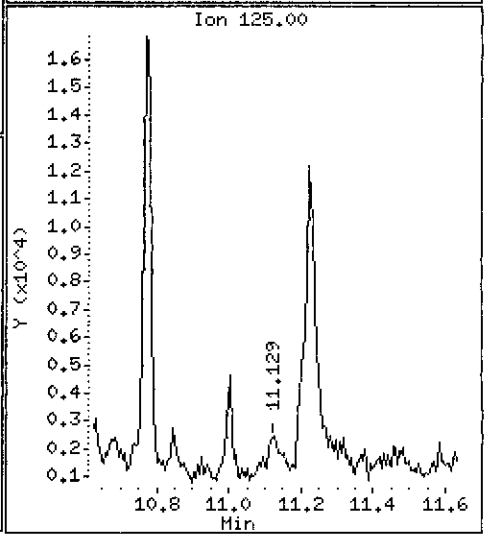












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104011.D

Date : 04-NOV-2010 16:07

Client ID: 20100836 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-001 10x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

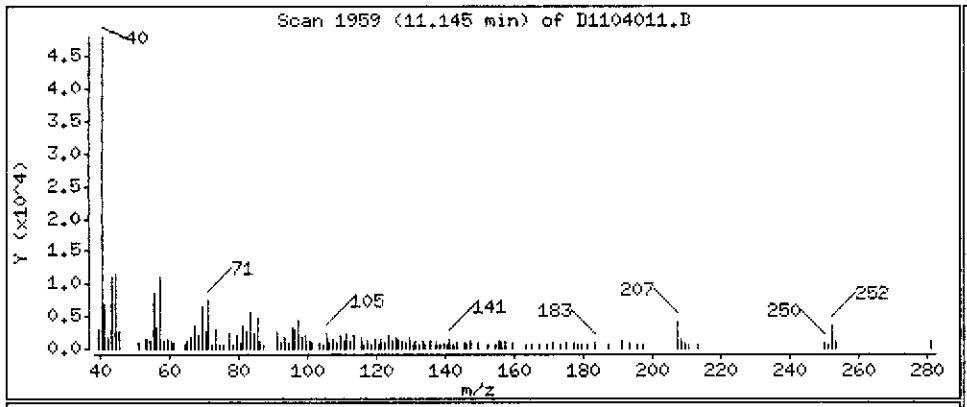
Operator: 430261nc

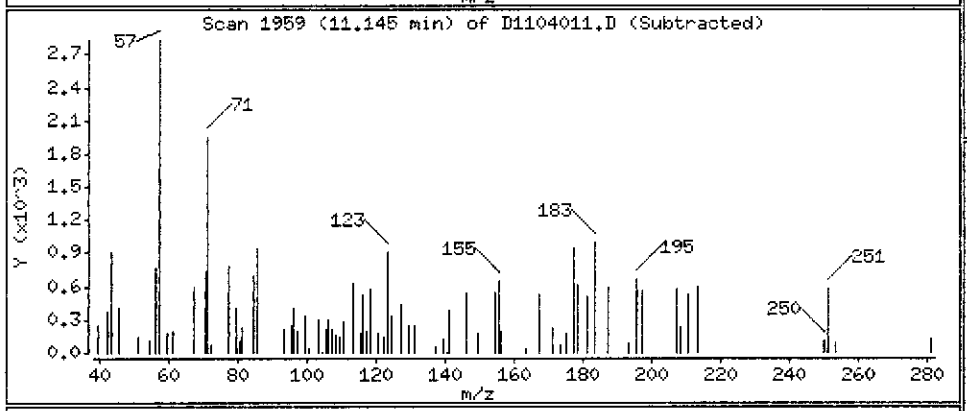
Column phase: DB5-MS

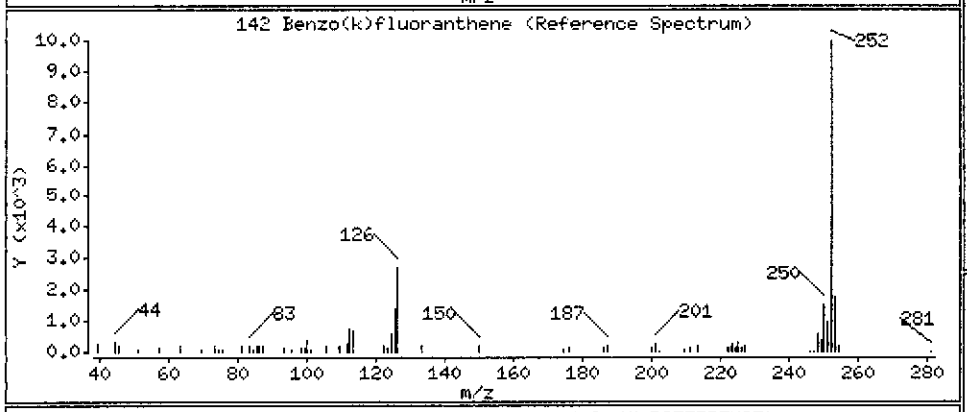
Column diameter: 0.32

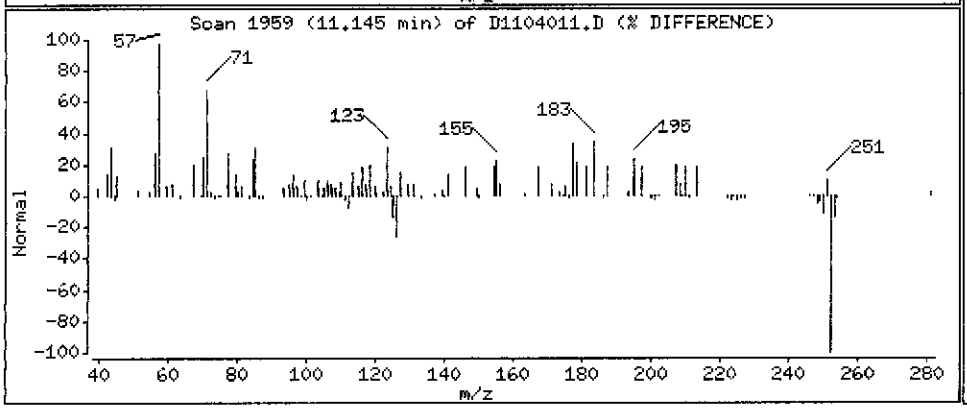
142 Benzo(k)fluoranthene

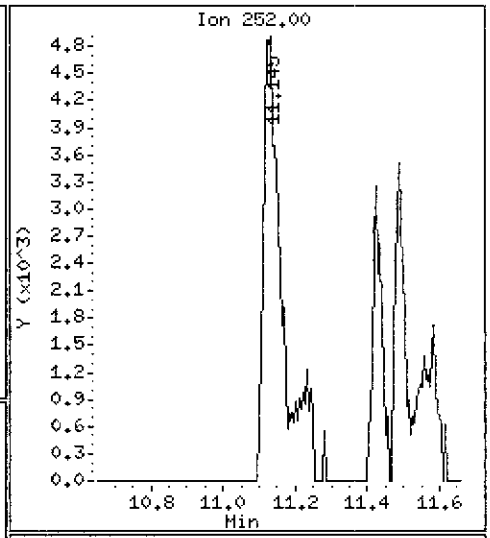
Concentration: 3.3104 ug/kg

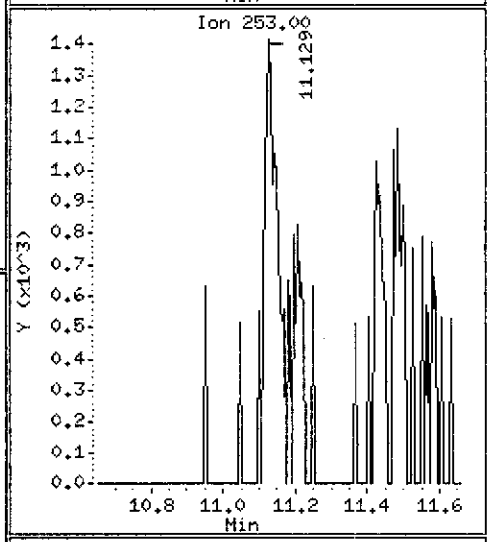


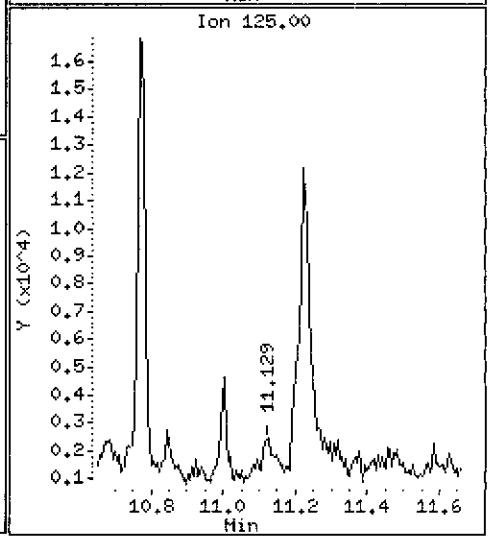












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104011.D

Date : 04-NOV-2010 16:07

Client ID: 20100836 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-001 10x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

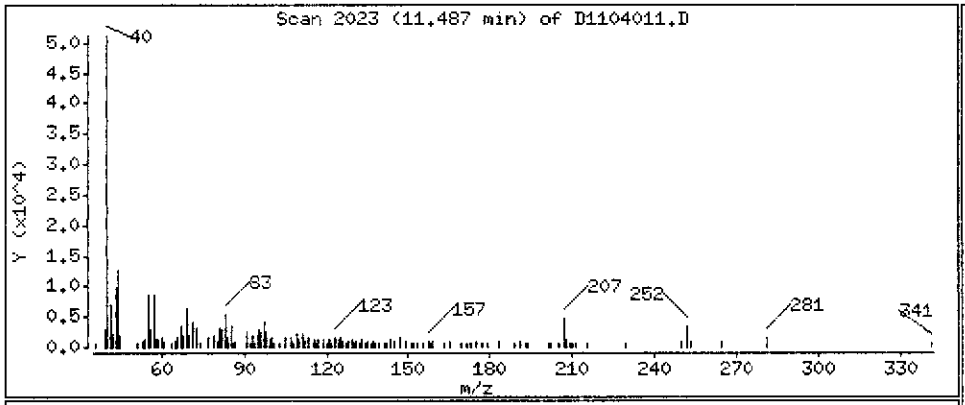
Operator: 430261nc

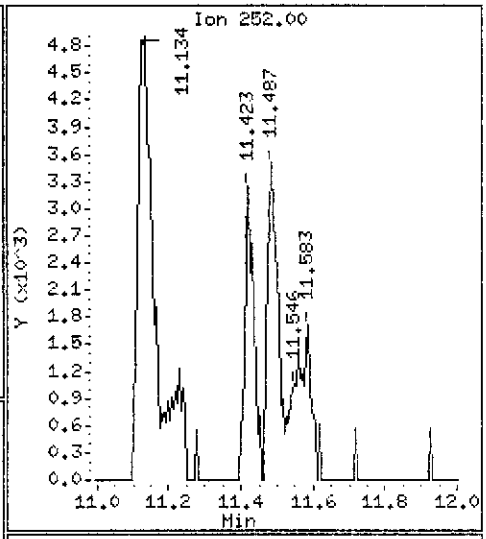
Column phase: DB5-MS

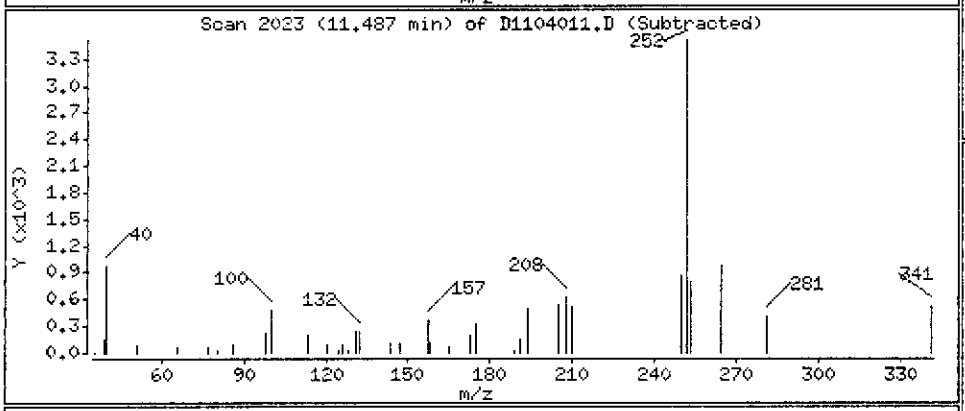
Column diameter: 0.32

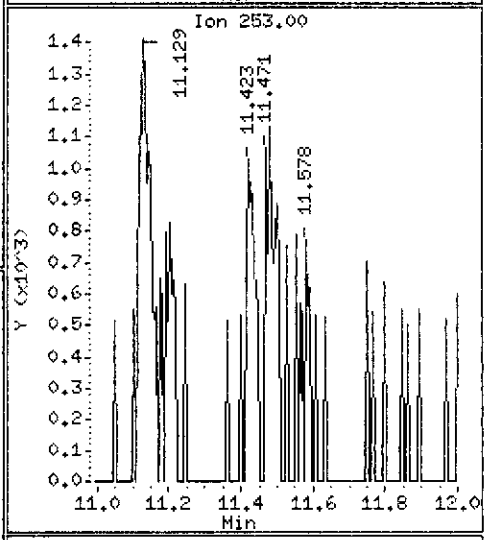
146 Benzo(a)pyrene

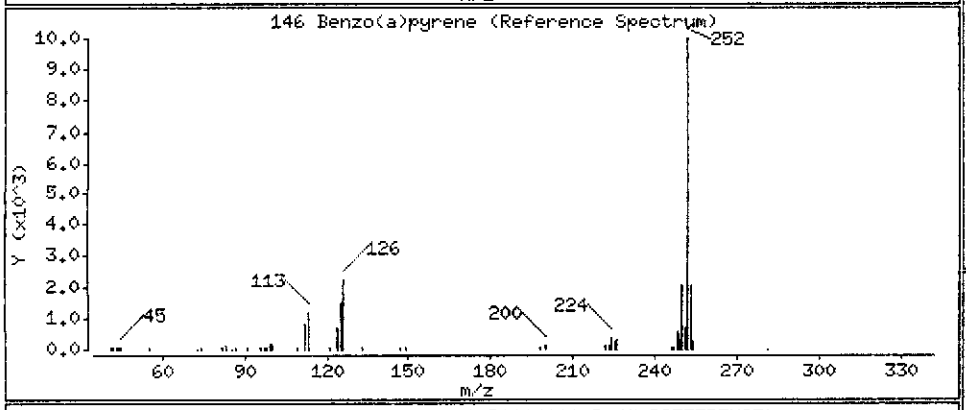
Concentration: 76.096 ug/kg

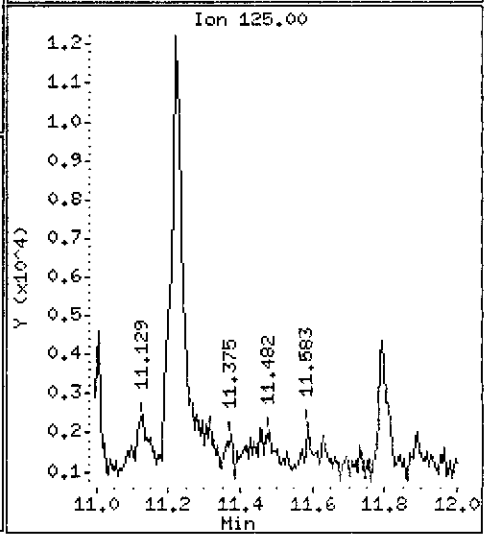


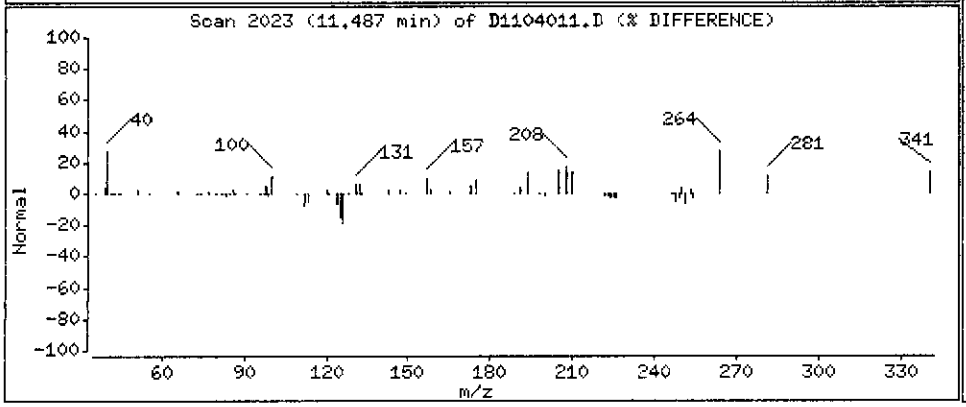












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104011.D

Date : 04-NOV-2010 16:07

Client ID: 20100836 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-001 10x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

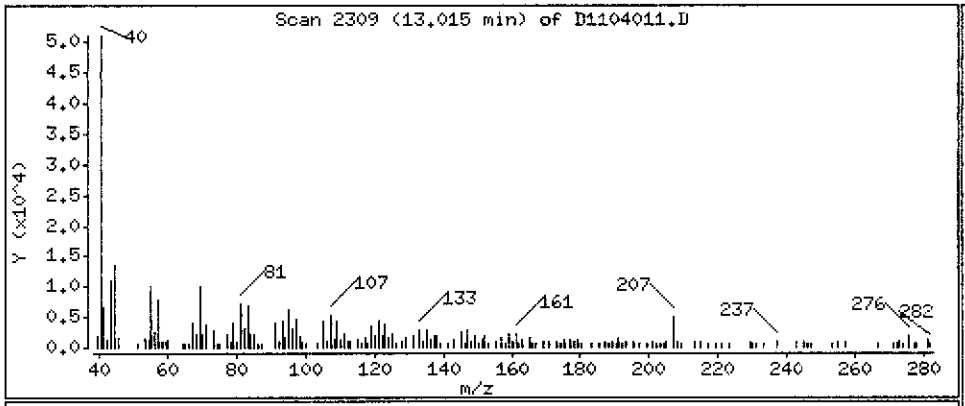
Operator: 430261nc

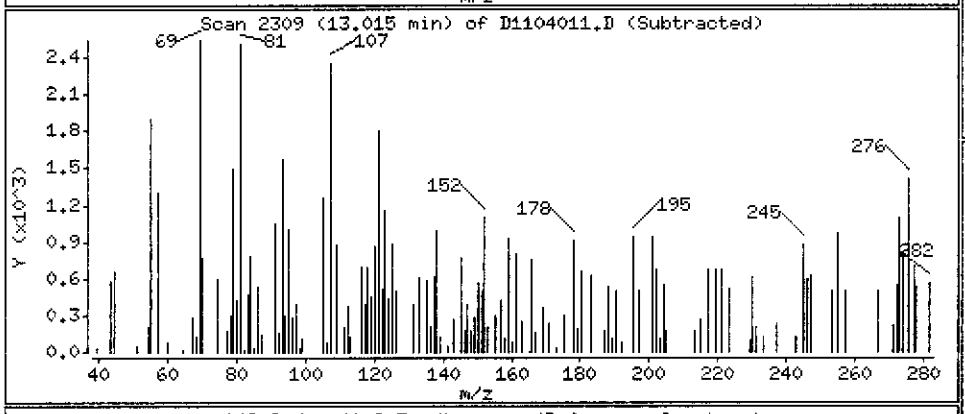
Column phase: DB5-MS

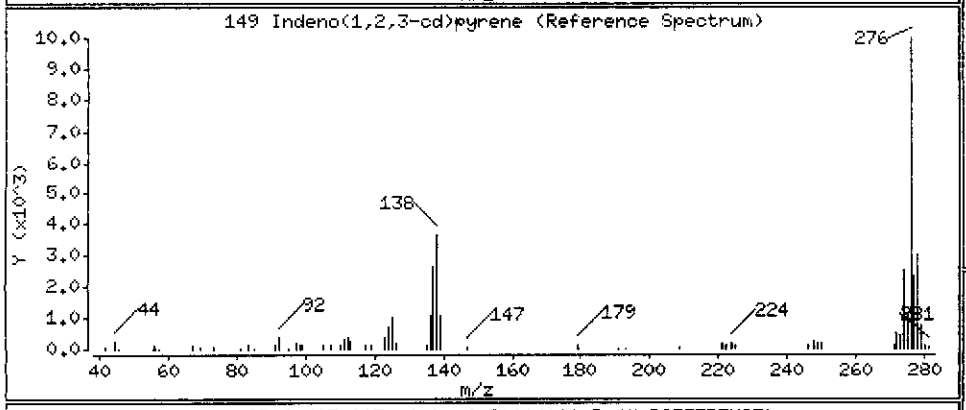
Column diameter: 0.32

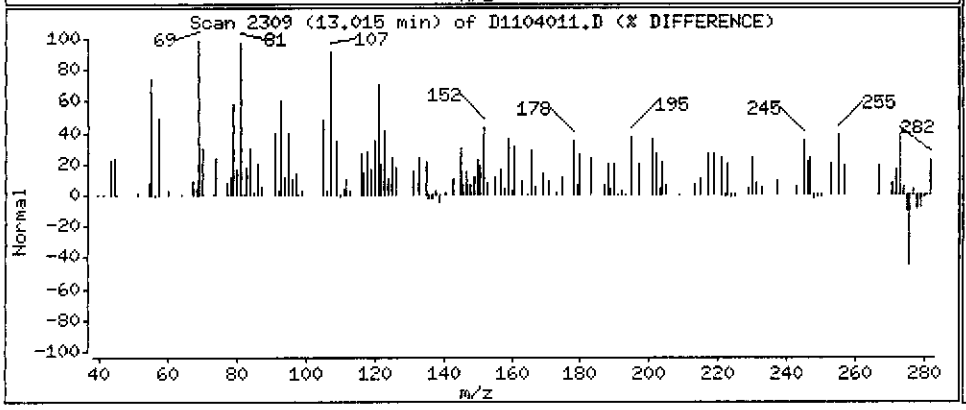
149 Indeno(1,2,3-cd)pyrene

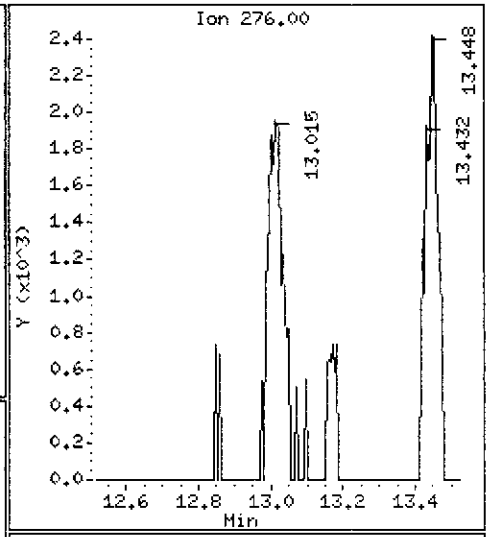
Concentration: 76.351 ug/kg

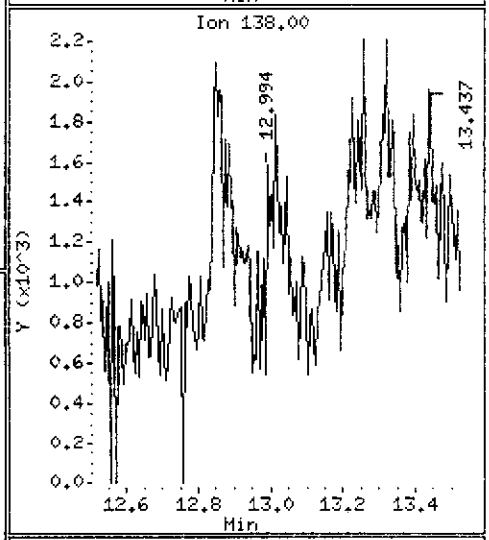


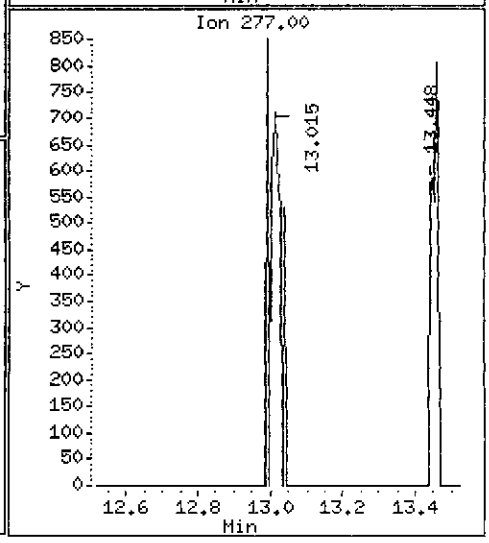












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104011.D

Date : 04-NOV-2010 16:07

Client ID: 20100836 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-001 10x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

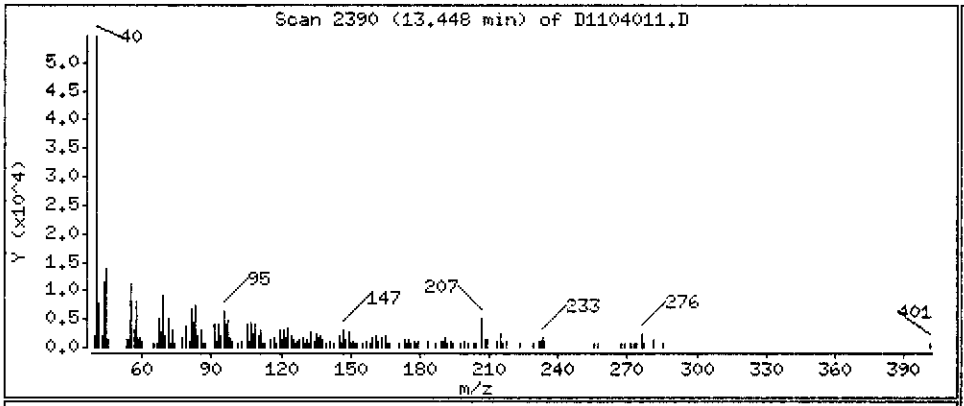
Operator: 430261nc

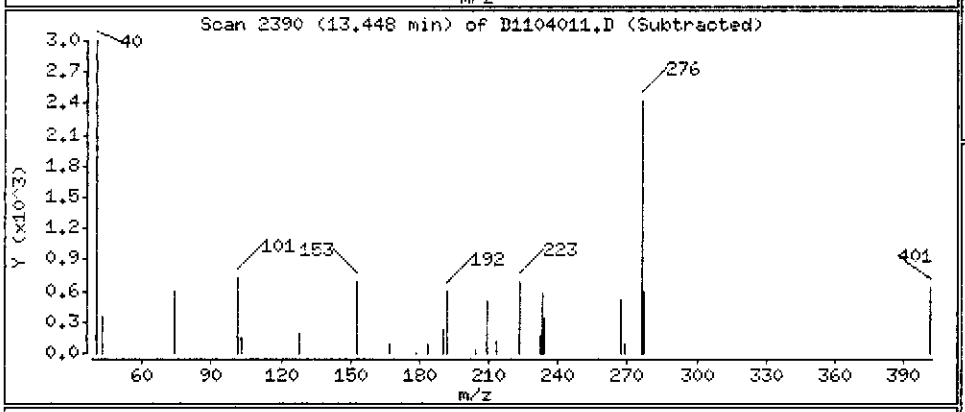
Column phase: DB5-MS

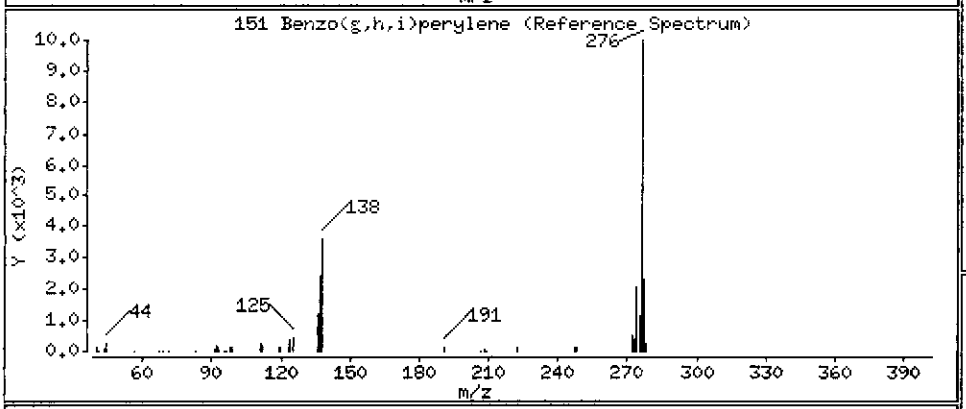
Column diameter: 0.32

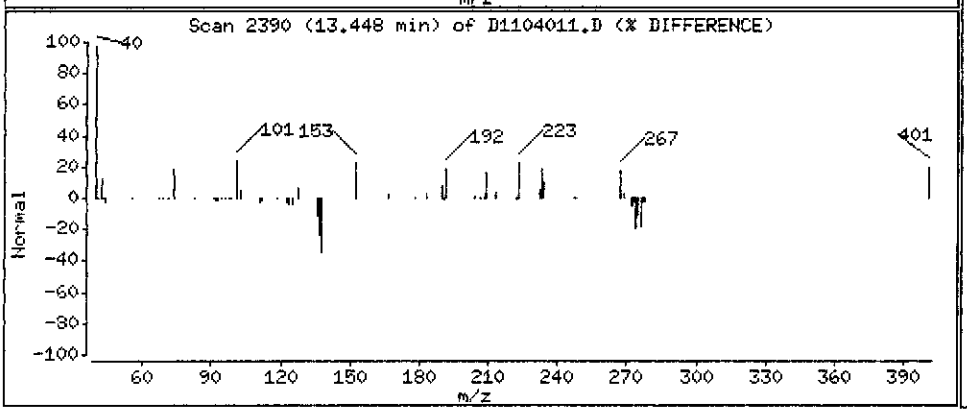
151 Benzo(g,h,i)perylene

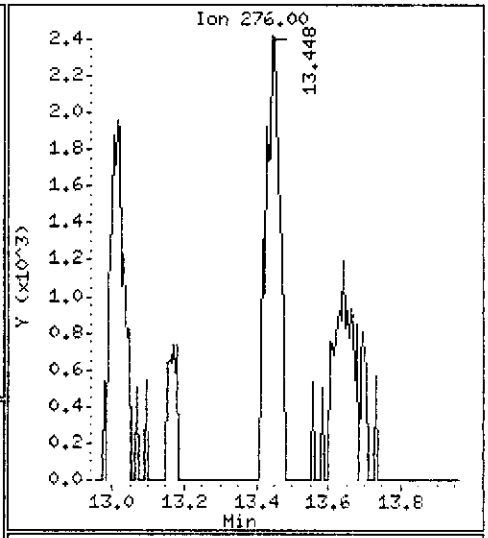
Concentration: 7.7428 ug/kg

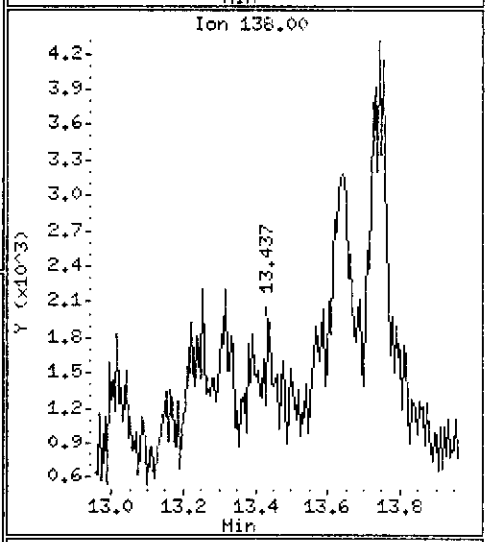


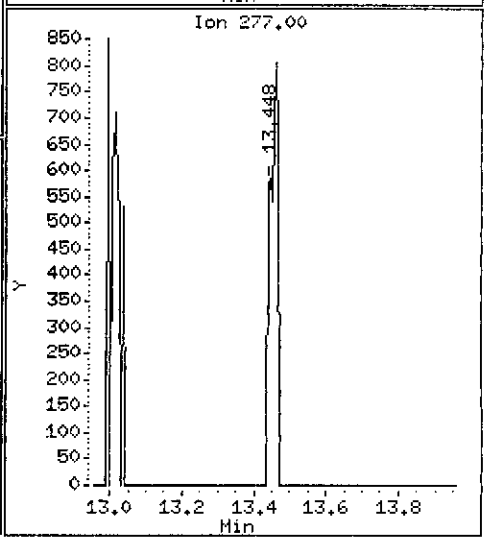




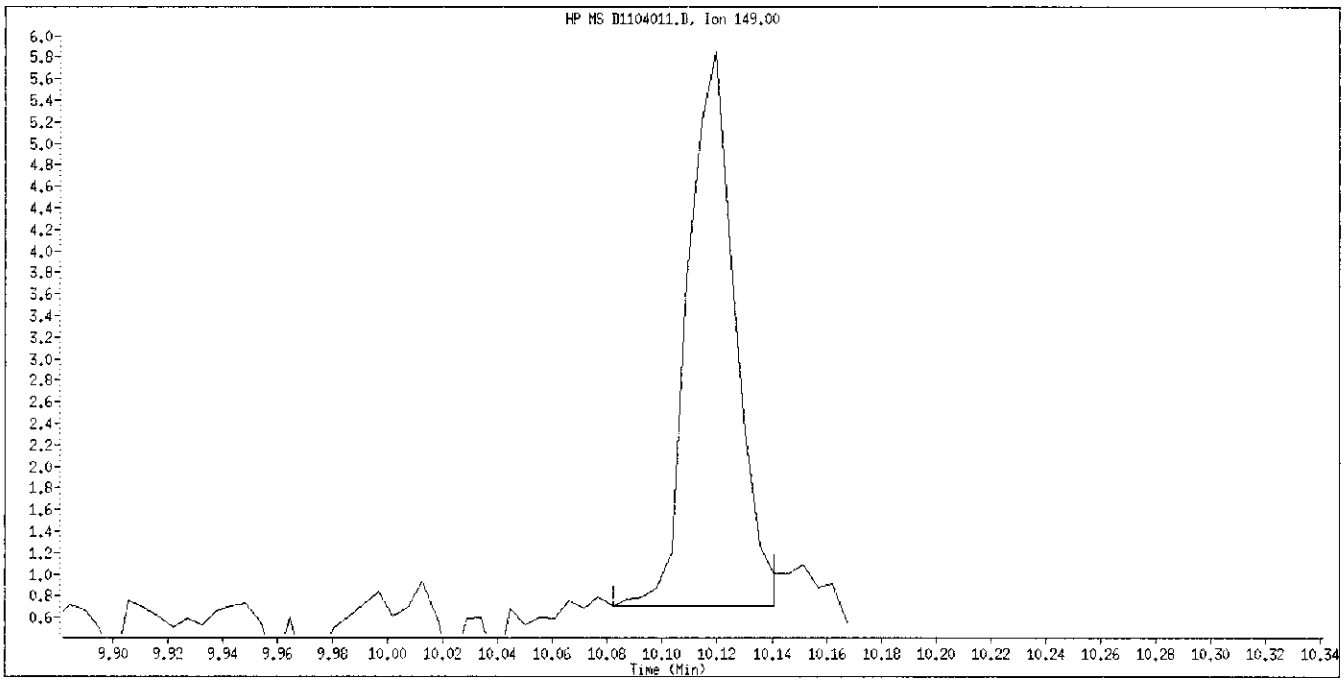




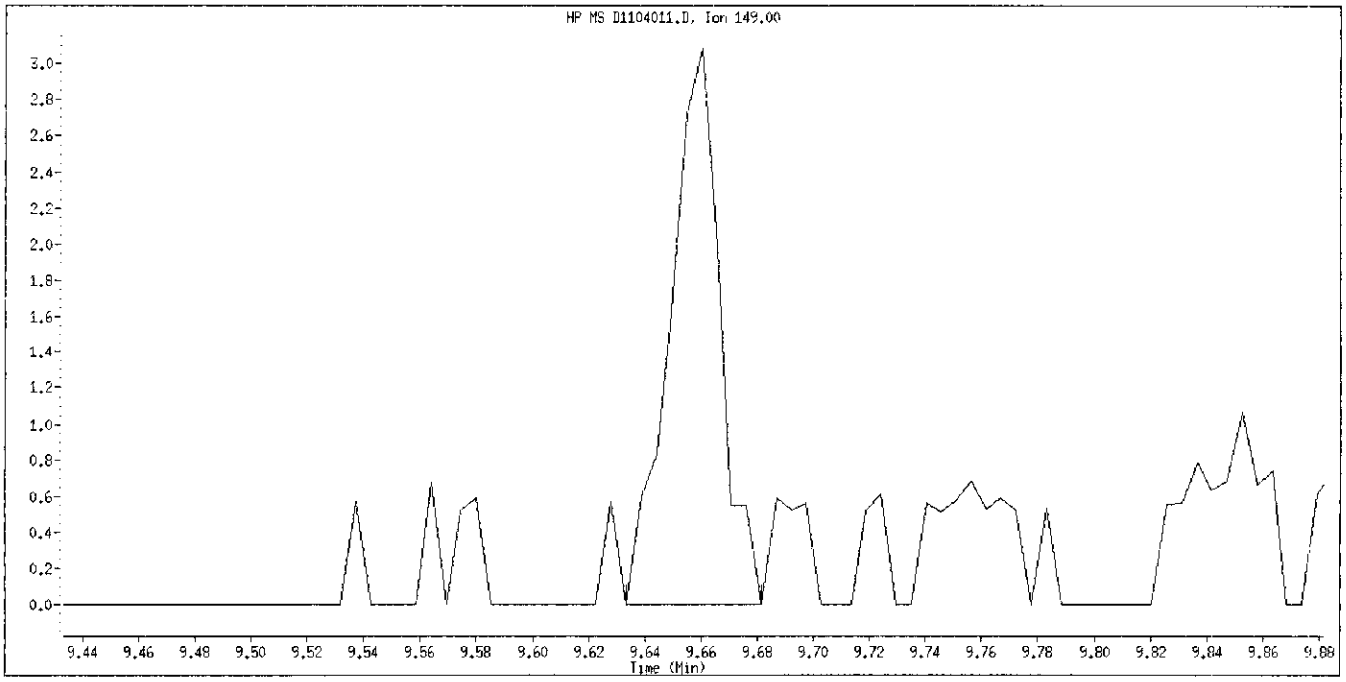




Data File Name: D1104011.D
Inj. Date and Time: 04-NOV-2010 16:07
Instrument ID: 732.i
Client ID: 20100836 RSD10-01
Compound Name: Butylbenzylphthalate
CAS #: 85-68-7



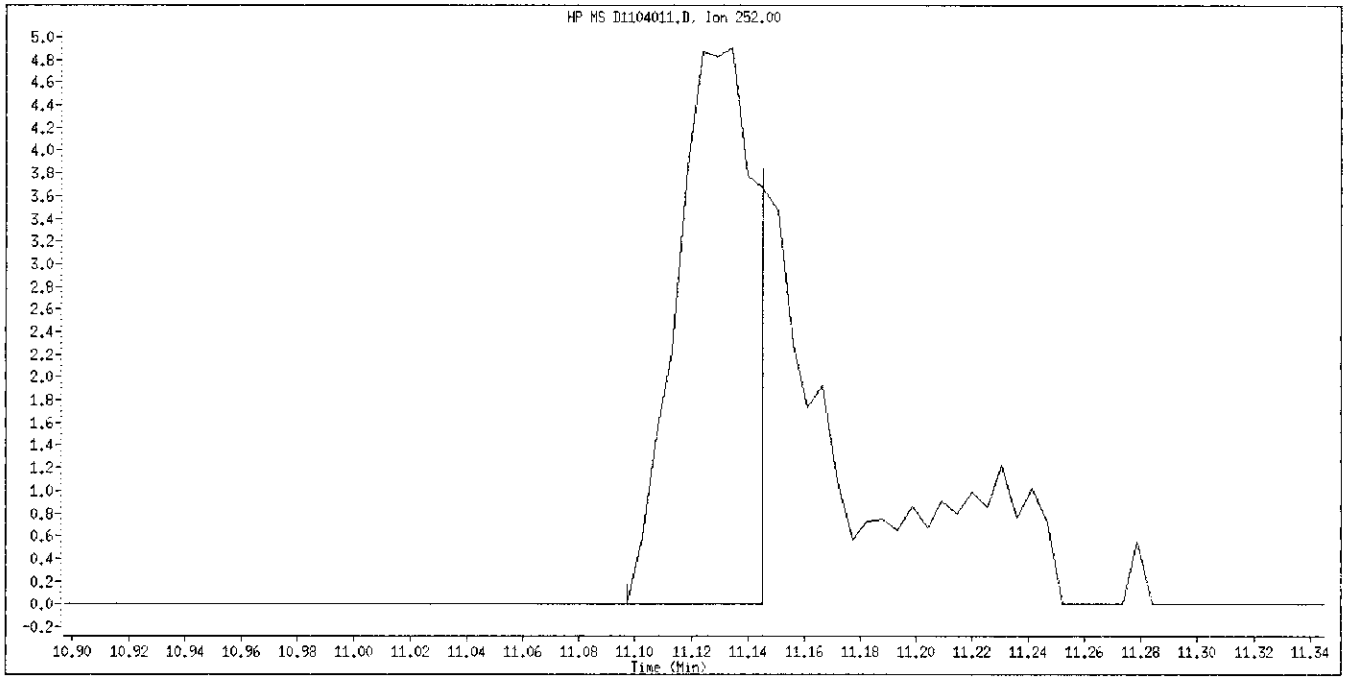
Original Integration



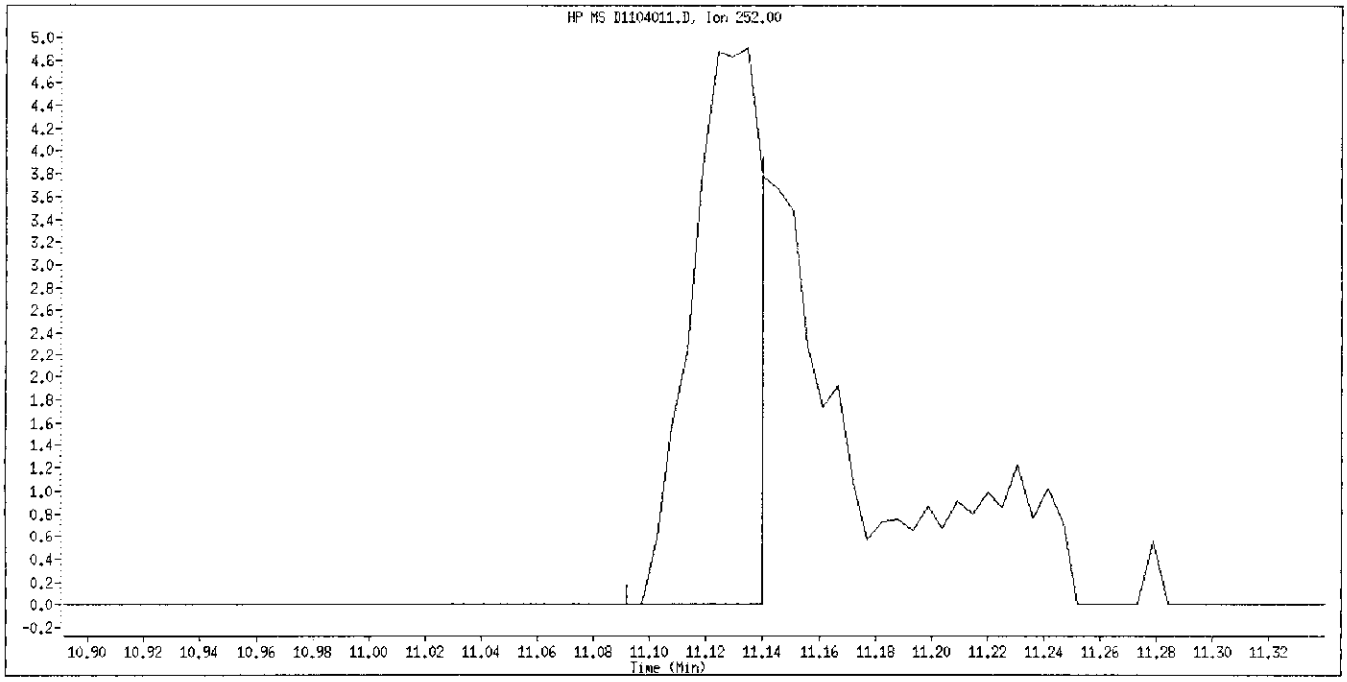
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1104011.D
Inj. Date and Time: 04-NOV-2010 16:07
Instrument ID: 732.i
Client ID: 20100836 RSD10-01
Compound Name: Benzo(b)fluoranthene
CAS #: 205-99-2



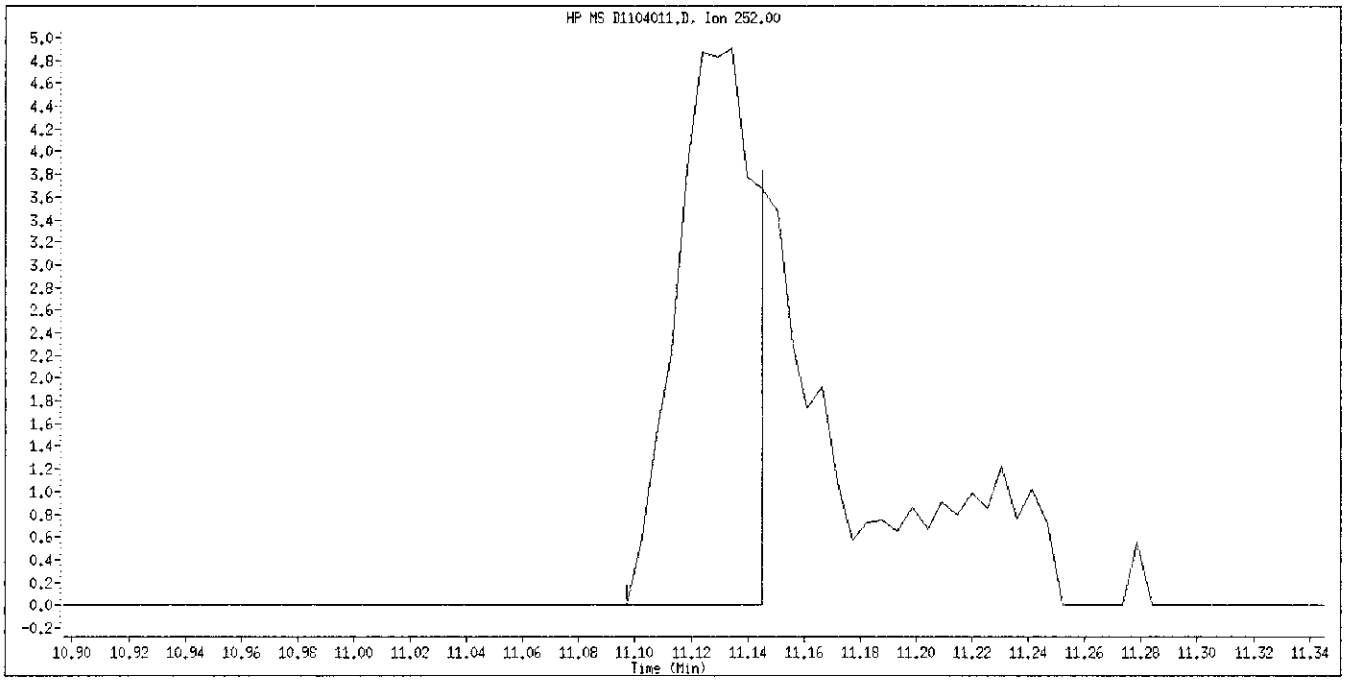
Original Integration



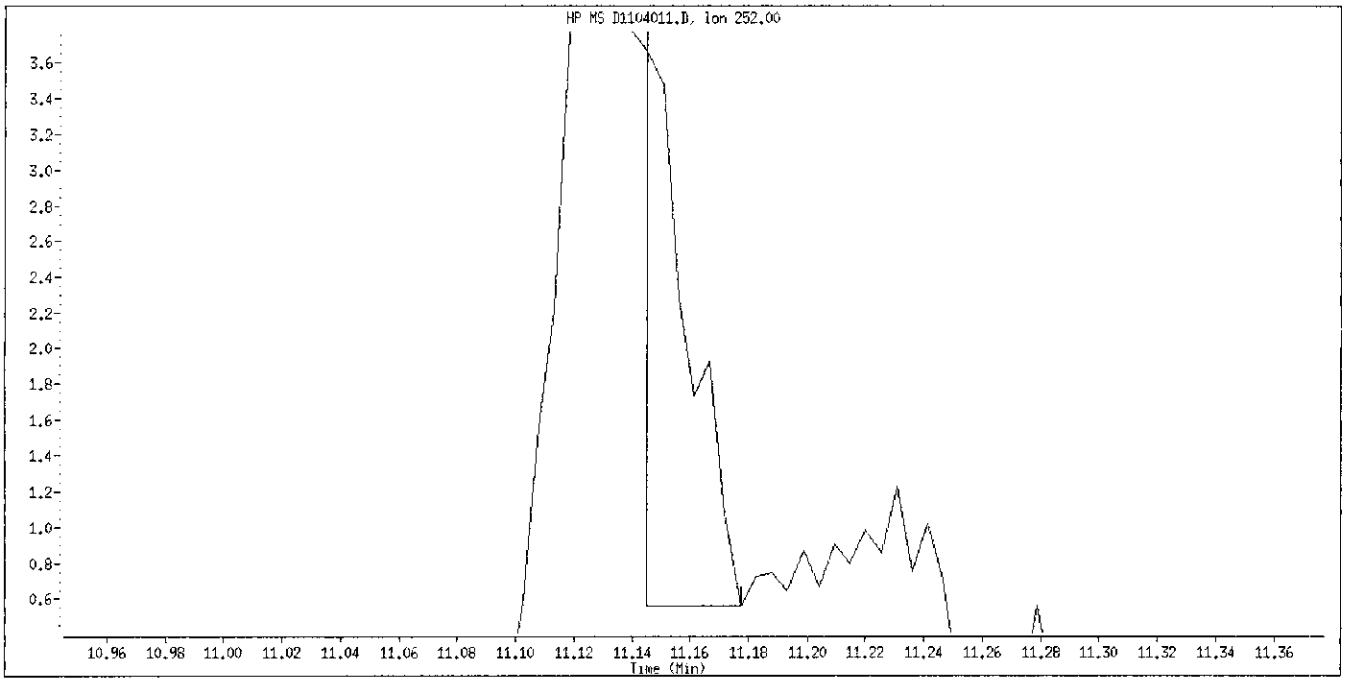
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1104011.D
Inj. Date and Time: 04-NOV-2010 16:07
Instrument ID: 732.i
Client ID: 20100836 RSD10-01
Compound Name: Benzo(k)fluoranthene
CAS #: 207-08-9



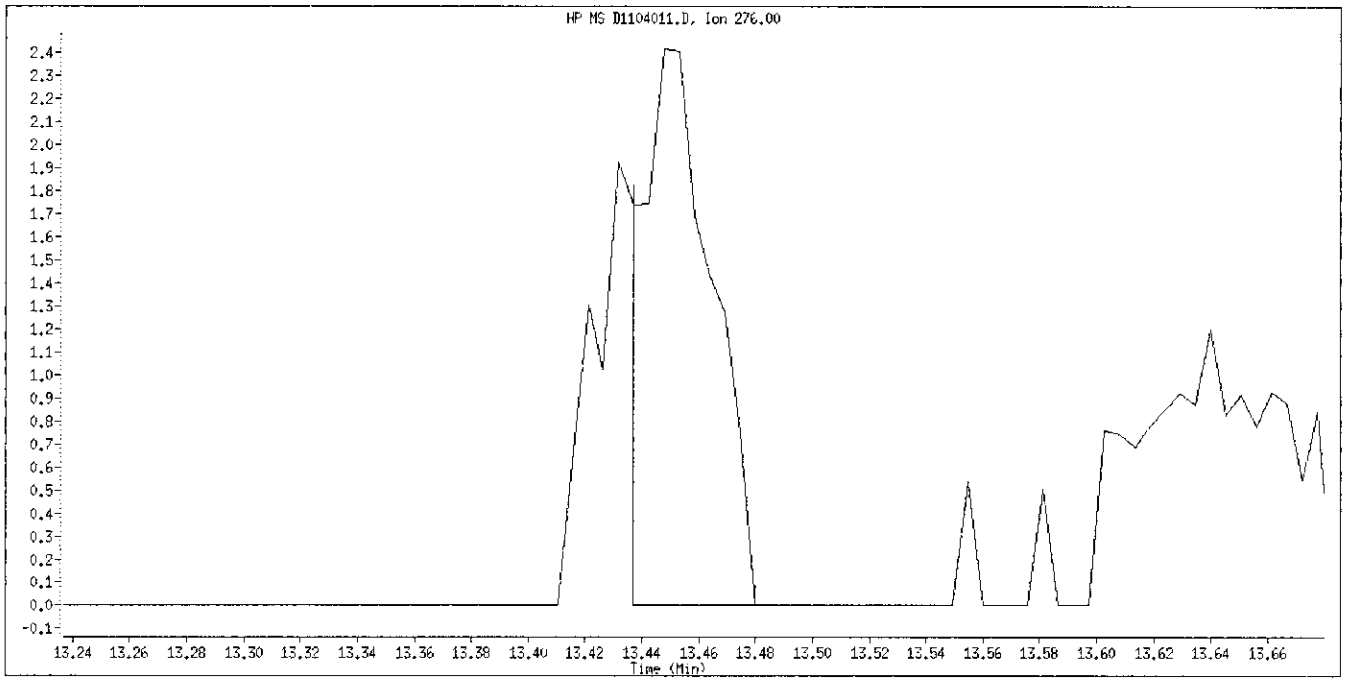
Original Integration



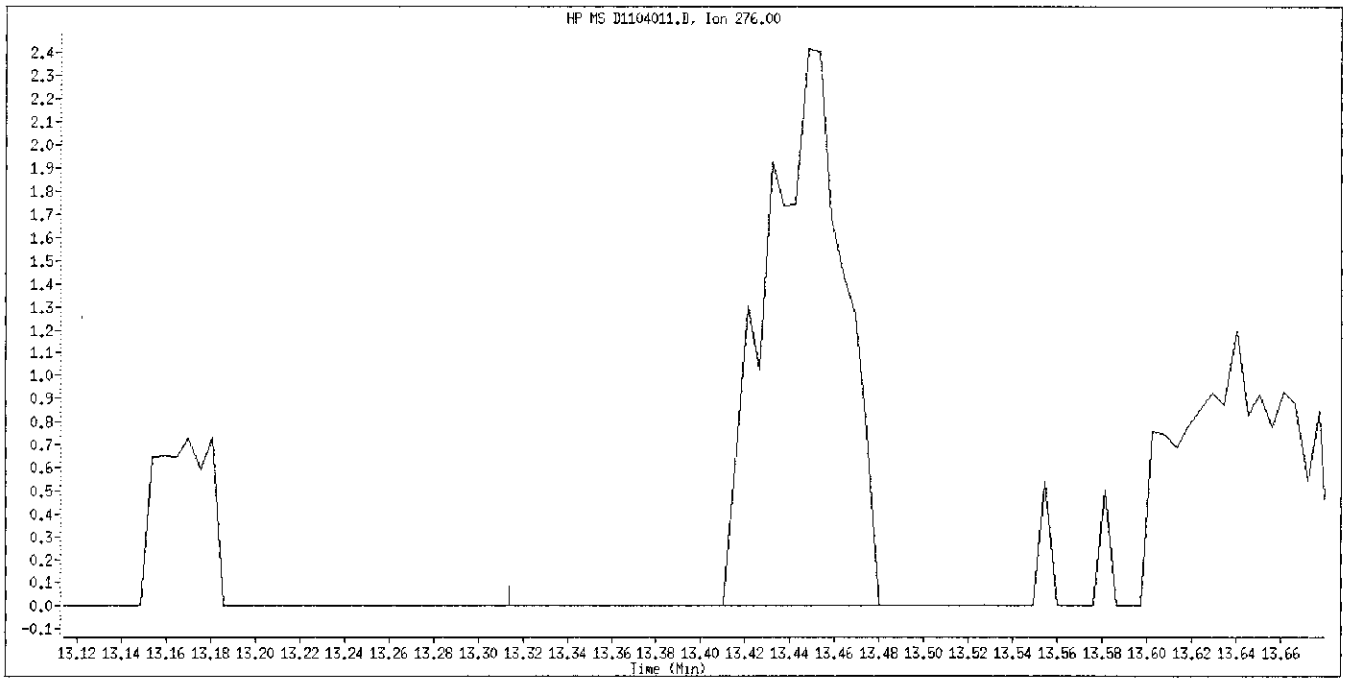
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1104011.D
Inj. Date and Time: 04-NOV-2010 16:07
Instrument ID: 732.i
Client ID: 20100836 RSD10-01
Compound Name: Benzo(g,h,i)perylene
CAS #: 191-24-2



Original Integration



Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Leo Brausch Consulting

Client Sample ID: 20100837 SD10-01

GC/MS Semivolatiles

Lot-Sample #...:	C0K030562-002	**Work Order #...:**	L9HH61AK	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308011
Prep Date.....:	11/04/10	**Analysis Date..:**	11/04/10		
Prep Batch #...:	0308035	**Analysis Time..:**	16:54		
Dilution Factor:	9.93	**Initial Wgt/Vol:**	30.2 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	78	**Analyst ID.....:**	430261	**Instrument ID..:**	732
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**36 J**	**310**	**ug/kg**	**30**
Acenaphthylene	ND	310	ug/kg	35
Acetophenone	ND	1500	ug/kg	130
Anthracene	**130 J**	**310**	**ug/kg**	**30**
Atrazine	ND	1500	ug/kg	150
Benzo(a)anthracene	**590**	**310**	**ug/kg**	**39**
Benzo(a)pyrene	**1400**	**310**	**ug/kg**	**31**
Benzo(b)fluoranthene	**1000**	**310**	**ug/kg**	**48**
Benzo(ghi)perylene	**930**	**310**	**ug/kg**	**31**
Benzo(k)fluoranthene	**780**	**310**	**ug/kg**	**62**
Benzaldehyde	ND	1500	ug/kg	230
1,1'-Biphenyl	ND	1500	ug/kg	140
bis(2-Chloroethoxy) methane	ND	1500	ug/kg	100
bis(2-Chloroethyl)-ether	ND	310	ug/kg	41
bis(2-Ethylhexyl) phthalate	**790 J**	**1500**	**ug/kg**	**250**
4-Bromophenyl phenyl ether	ND	1500	ug/kg	130
Butyl benzyl phthalate	ND	1500	ug/kg	210
Caprolactam	ND	7800	ug/kg	1200
Carbazole	**97 J**	**310**	**ug/kg**	**28**
4-Chloroaniline	ND	1500	ug/kg	120
4-Chloro-3-methylphenol	ND	1500	ug/kg	140
2-Chloronaphthalene	ND	310	ug/kg	32
2-Chlorophenol	ND	1500	ug/kg	130
4-Chlorophenyl phenyl ether	ND	1500	ug/kg	170
Chrysene	**1000**	**310**	**ug/kg**	**37**
Dibenz(a,h)anthracene	ND	310	ug/kg	34
Dibenzofuran	ND	1500	ug/kg	150
3,3'-Dichlorobenzidine	ND	1500	ug/kg	160
2,4-Dichlorophenol	ND	310	ug/kg	31
Diethyl phthalate	ND	1500	ug/kg	170
2,4-Dimethylphenol	ND	1500	ug/kg	240
Dimethyl phthalate	ND	1500	ug/kg	170

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100837 SD10-01

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-002 **Work Order #...:** L9HH61AK **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	1500	ug/kg	190
4,6-Dinitro-2-methylphenol	ND	7800	ug/kg	620
2,4-Dinitrophenol	ND	7800	ug/kg	1800
2,4-Dinitrotoluene	ND	1500	ug/kg	120
2,6-Dinitrotoluene	ND	1500	ug/kg	160
Di-n-octyl phthalate	**1700**	**1500**	**ug/kg**	**160**
Fluoranthene	**1600**	**310**	**ug/kg**	**33**
Fluorene	ND	310	ug/kg	41
Hexachlorobenzene	ND	310	ug/kg	33
Hexachlorobutadiene	ND	310	ug/kg	34
Hexachlorocyclopentadiene	ND	1500	ug/kg	170
Hexachloroethane	ND	1500	ug/kg	110
Indeno(1,2,3-cd)pyrene	**1300**	**310**	**ug/kg**	**32**
Isophorone	ND	1500	ug/kg	120
2-Methylnaphthalene	ND	310	ug/kg	28
2-Methylphenol	ND	1500	ug/kg	110
4-Methylphenol	ND	1500	ug/kg	150
Naphthalene	ND	310	ug/kg	27
2-Nitroaniline	ND	7800	ug/kg	690
3-Nitroaniline	ND	7800	ug/kg	630
4-Nitroaniline	ND	7800	ug/kg	620
Nitrobenzene	ND	310	ug/kg	130
2-Nitrophenol	ND	1500	ug/kg	170
4-Nitrophenol	ND	7800	ug/kg	530
N-Nitrosodi-n-propylamine	ND	310	ug/kg	36
N-Nitrosodiphenylamine	ND	310	ug/kg	140
2,2'-oxybis (1-Chloropropane)	ND	310	ug/kg	33
Pentachlorophenol	ND	1500	ug/kg	140
Phenanthrene	**560**	**310**	**ug/kg**	**49**
Phenol	ND	310	ug/kg	36
Pyrene	**1200**	**310**	**ug/kg**	**31**
2,4,5-Trichlorophenol	ND	1500	ug/kg	160
2,4,6-Trichlorophenol	ND	1500	ug/kg	230

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100837 SD10-01

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-002 **Work Order #...:** L9HH61AK **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	NC,DIL	(27 - 110)
Terphenyl-d14	NC,DIL	(21 - 130)
2-Fluorobiphenyl	NC,DIL	(28 - 108)
2-Fluorophenol	NC,DIL	(28 - 107)
Phenol-d5	NC,DIL	(30 - 112)
2,4,6-Tribromophenol	NC,DIL	(21 - 116)

NOTE(S):

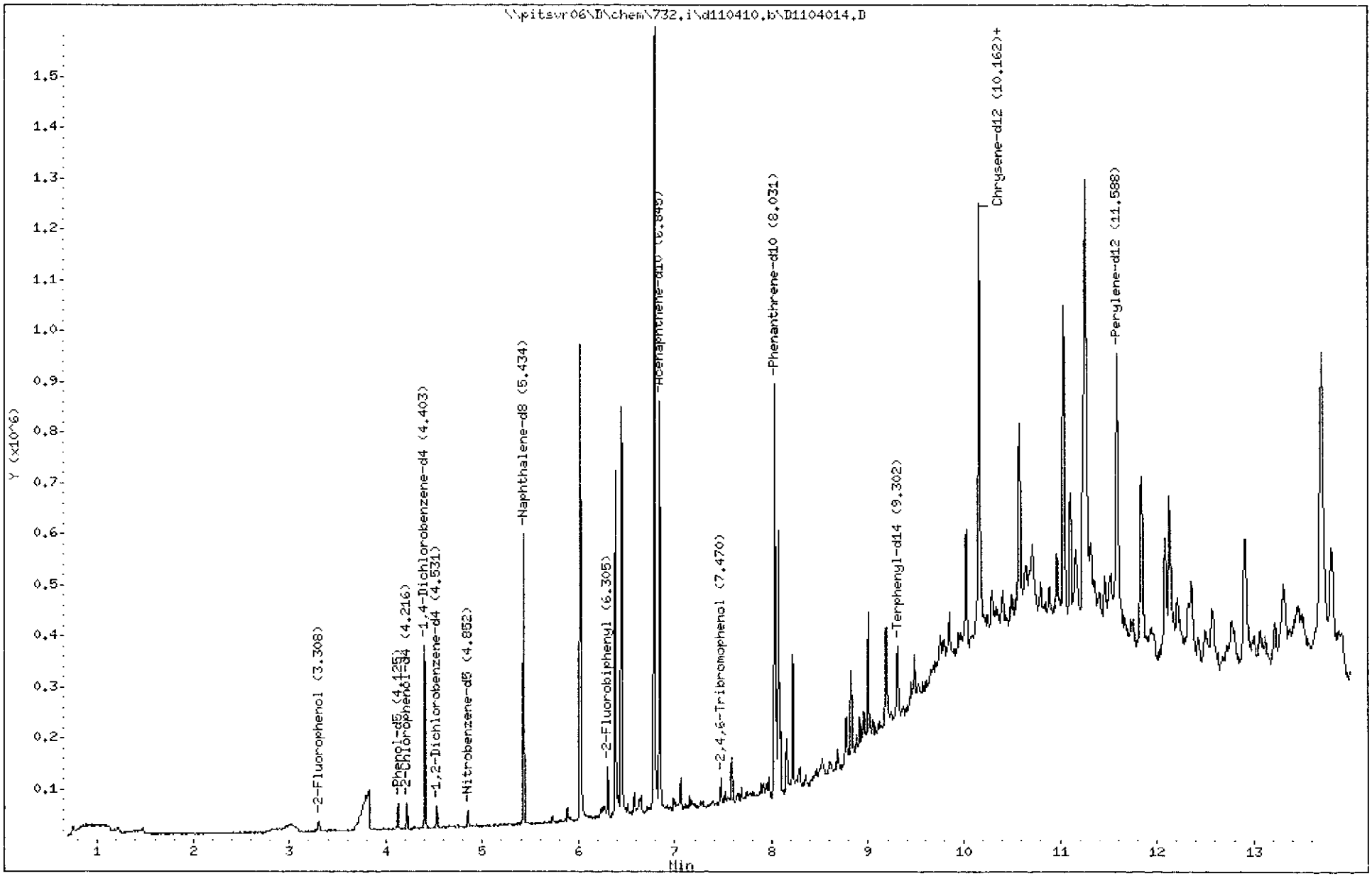
NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104014.D
Date : 04-NOV-2010 16:54
Client ID: 20100837 SD10-01
Instrument: 732.i
Sample Info: c0k030562-002 20x 11/04/10 sedS42(0308035)
Volume Injected (uL): 2.0
Operator: 430261nc
Column phase: DB5-MS
Column diameter: 0.32



(1001 - 1489)
1043
C0K030562

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d110410.b\D1104014.D
Lab Smp Id: l9hh61ak Client Smp ID: 20100837 SD10-01
Inj Date : 04-NOV-2010 16:54
Operator : 430261nc Inst ID: 732.i
Smp Info : c0k030562-002 20x 11/04/10 sedS42(0308035)
Misc Info : l9hh61ak,d110410.b,ll.m,3-root.sub
Comment :
Method : \\pitsvr06\D\chem\732.i\d110410.b\ll.m
Meth Date : 08-Nov-2010 18:58 campisin Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 16
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws)*1 * CpndVariable

Name	Value	Description
DF	20.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.200	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
* 1	1,4-Dichlorobenzene-d4	152	4.403	4.382	(1.000)	50514	8.00000	
* 2	Naphthalene-d8	136	5.434	5.407	(1.000)	233840	8.00000	
* 3	Acenaphthene-d10	164	6.844	6.823	(1.000)	166573	8.00000	
* 4	Phenanthrene-d10	188	8.030	8.014	(1.000)	292017	8.00000	
* 5	Chrysene-d12	240	10.162	10.140	(1.000)	331635	8.00000	
* 6	Perylene-d12	264	11.588	11.556	(1.000)	318619	8.00000	
198	1,4-Dioxane	88	Compound Not Detected.					
10	N-Nitrosodimethylamine	74	Compound Not Detected.					
9	Pyridine	79	Compound Not Detected.					
16	Methyl methanesulfonate	80	Compound Not Detected.					
206	Benzaldehyde	77	Compound Not Detected.					
21	Aniline	93	Compound Not Detected.					
22	Phenol	94	Compound Not Detected.					
23	bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24	2-Chlorophenol	128	Compound Not Detected.					
26	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
28	1,2-Dichlorobenzene	146	Compound Not Detected.					
29	Benzyl Alcohol	108	Compound Not Detected.					
217	Indene	116	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
30	2-Methylphenol	108	Compound Not Detected.					
31	2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
36	N-Nitrosopyrrolidine	100	Compound Not Detected.					
37	Acetophenone	105	Compound Not Detected.					
32	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192	4-Methylphenol	108	Compound Not Detected.					
34	Hexachloroethane	117	Compound Not Detected.					
35	Nitrobenzene	77	Compound Not Detected.					
41	Isophorone	82	Compound Not Detected.					
42	2-Nitrophenol	139	Compound Not Detected.					
43	2,4-Dimethylphenol	107	Compound Not Detected.					
44	bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48	2,4-Dichlorophenol	162	Compound Not Detected.					
49	Benzoic Acid	122	Compound Not Detected.					
50	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51	Naphthalene	128	Compound Not Detected.					
52	4-Chloroaniline	127	Compound Not Detected.					
54	2,6-Dichlorophenol	162	Compound Not Detected.					
56	Hexachlorobutadiene	224	Compound Not Detected.					
208	Caprolactam	113	Compound Not Detected.					
59	4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62	2-Methylnaphthalene	142	Compound Not Detected.					
63	1-Methylnaphthalene	142	Compound Not Detected.					
64	Hexachlorocyclopentadiene	236	Compound Not Detected.					
65	1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66	2,4,6-Trichlorophenol	196	Compound Not Detected.					
67	2,4,5-Trichlorophenol	196	Compound Not Detected.					
209	1,1'-Biphenyl	154	Compound Not Detected.					
70	2-Chloronaphthalene	162	Compound Not Detected.					
73	2-Nitroaniline	65	Compound Not Detected.					
76	Dimethylphthalate	163	Compound Not Detected.					
78	2,6-Dinitrotoluene	165	Compound Not Detected.					
79	Acenaphthylene	152	Compound Not Detected.					
81	3-Nitroaniline	138	Compound Not Detected.					
82	Acenaphthene	153	6.871	6.850	(1.004)	997	0.04647	7.6939
83	2,4-Dinitrophenol	184	Compound Not Detected.					
85	4-Nitrophenol	109	Compound Not Detected.					
86	Dibenzofuran	168	Compound Not Detected.					
87	2,4-Dinitrotoluene	165	Compound Not Detected.					
91	2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88	2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92	2-Naphthylamine	143	Compound Not Detected.					
93	Diethylphthalate	149	Compound Not Detected.					
94	Fluorene	166	Compound Not Detected.					
95	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96	4-Nitroaniline	138	Compound Not Detected.					
98	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99	N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100	1,2-Diphenylhydrazine	77	Compound Not Detected.					
106	4-Bromophenyl-phenylether	248	Compound Not Detected.					
107	Hexachlorobenzene	283	Compound Not Detected.					
210	Atrazine	200	Compound Not Detected.					
111	Pentachlorophenol	265	Compound Not Detected.					
115	Phenanthrene	178	8.051	8.030	(1.003)	29503	0.72216	119.56

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
116 Anthracene	178	8.089	8.073	(1.007)	6611	0.16527	27.362
119 Carbazole	167	8.217	8.196	(1.023)	4792	0.12660	20.960(Q)
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	9.002	8.987	(1.121)	90408	2.11056	349.43
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	9.189	9.168	(0.904)	77203	1.53547	254.22
131 Butylbenzylphthalate	149	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	10.151	10.130	(0.999)	32906	0.76232	126.21
137 Chrysene	228	10.183	10.162	(1.002)	62379	1.31509	217.73
139 bis(2-ethylhexyl)Phthalate	149	10.140	10.124	(0.998)	29902	1.03076	170.66
140 Di-n-octylphthalate	149	10.712	10.680	(0.924)	12631	2.14376	354.93(M)
141 Benzo(b)fluoranthene	252	11.161	11.129	(0.963)	60975	1.29770	214.85(M)
142 Benzo(k)fluoranthene	252	11.166	11.155	(0.964)	52405	1.00857	166.98(QM)
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	11.524	11.497	(0.994)	44946	1.85047	306.37
149 Indeno(1,2,3-cd)pyrene	276	13.062	13.020	(1.127)	41966	1.66021	274.87
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	13.506	13.458	(1.165)	45983	1.21241	200.73
$ 154 Nitrobenzene-d5	82	4.851	4.825	(0.893)	10237	1.28139	212.15
$ 155 2-Fluorobiphenyl	172	6.305	6.283	(0.921)	26742	1.20111	198.86
$ 156 Terphenyl-d14	244	9.301	9.280	(0.915)	34436	1.15950	191.97
$ 157 Phenol-d5	99	4.125	4.098	(0.937)	15565	1.92203	318.22
$ 158 2-Fluorophenol	112	3.302	3.281	(0.750)	9442	1.72340	285.33
$ 159 2,4,6-Tribromophenol	330	7.474	7.453	(0.931)	4557	1.48016	245.06
$ 186 2-Chlorophenol-d4	132	4.216	4.195	(0.958)	13331	1.70145	281.70
$ 187 1,2-Dichlorobenzene-d4	152	4.531	4.504	(1.029)	6297	1.03284	171.00

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104014.D

Date : 04-NOV-2010 16:54

Client ID: 20100837 SD10-01

Instrument: 732.i

Sample Info: c0k030562-002 20x 11/04/10 sed542(0308035)

Volume Injected (uL): 2.0

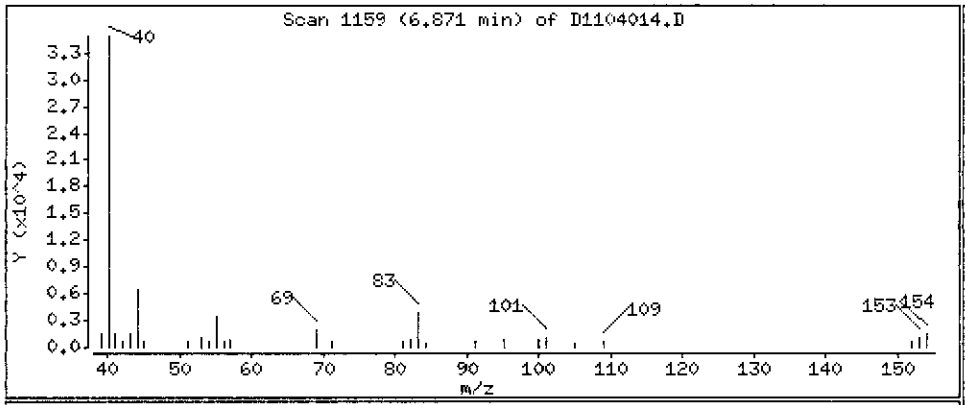
Operator: 430261nc

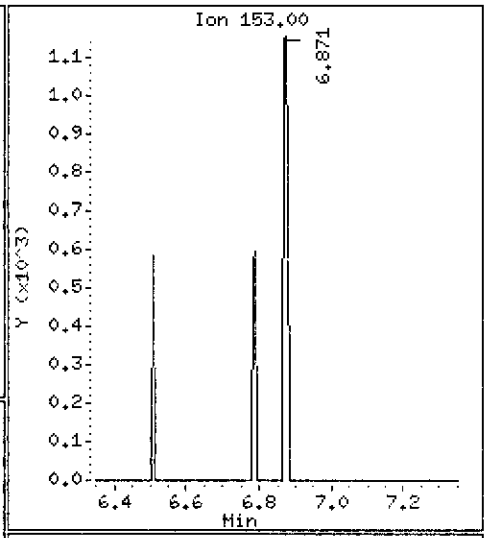
Column phase: DB5-MS

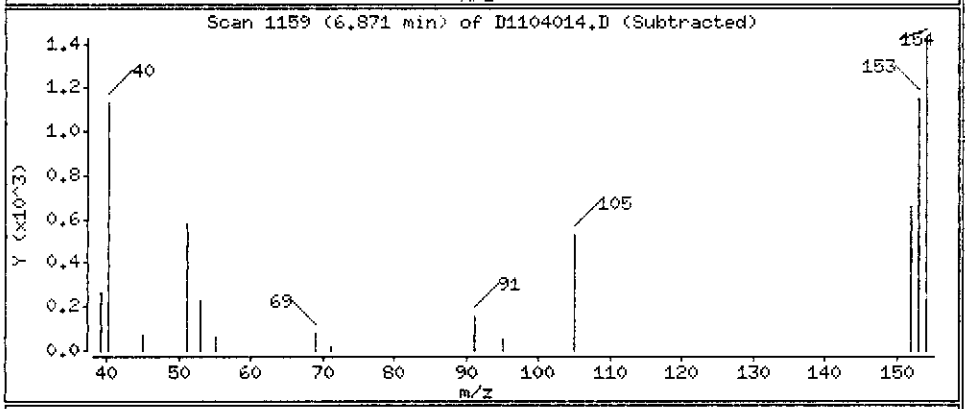
Column diameter: 0.32

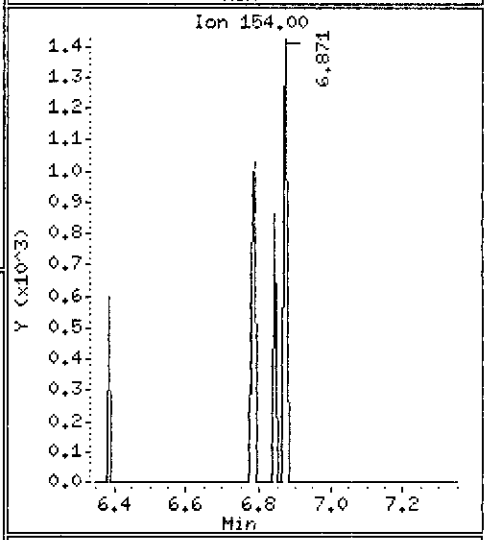
82 Acenaphthene

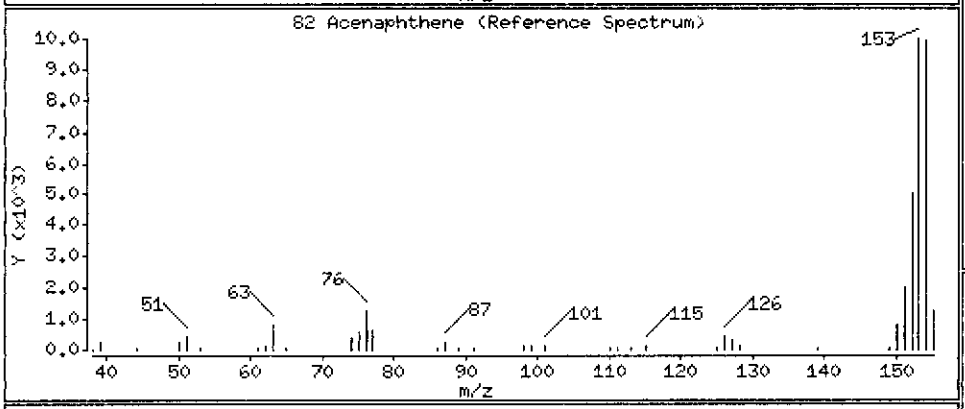
Concentration: 7.6939 ug/kg

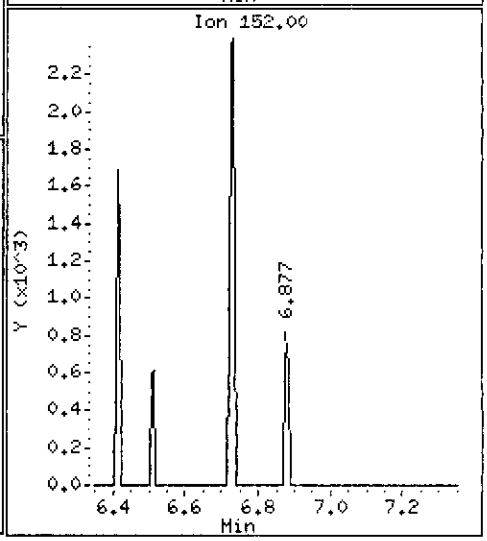


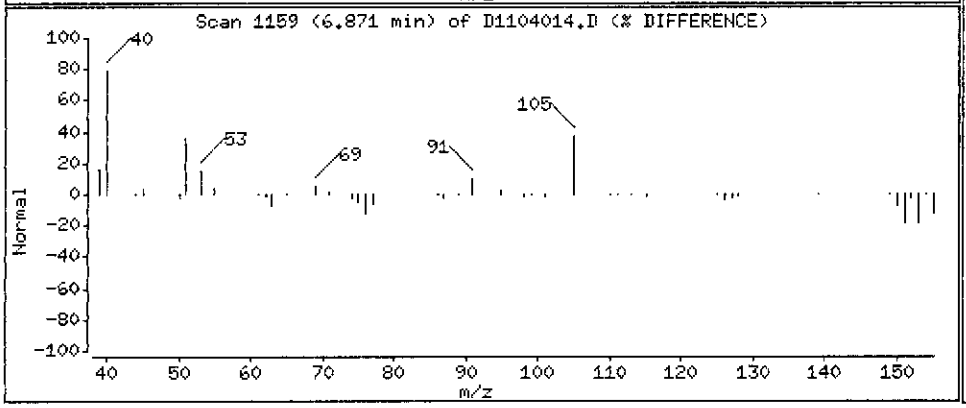












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104014.D

Date : 04-NOV-2010 16:54

Client ID: 20100837 SD10-01

Instrument: 732.i

Sample Info: c0k030562-002 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

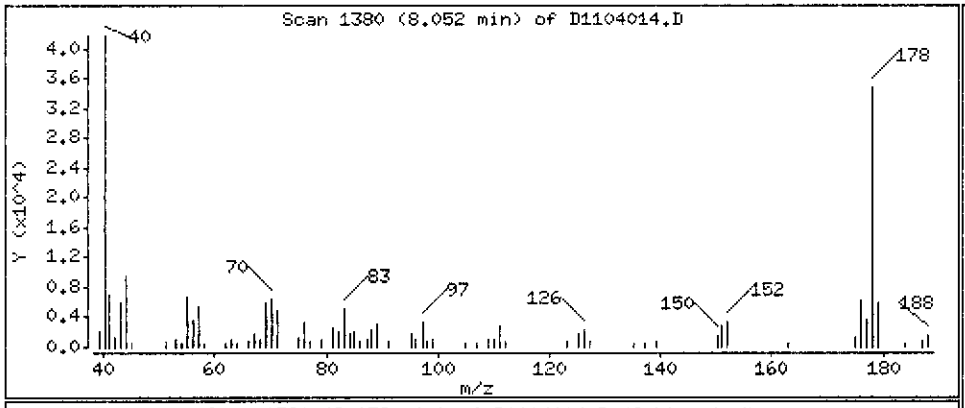
Operator: 430261nc

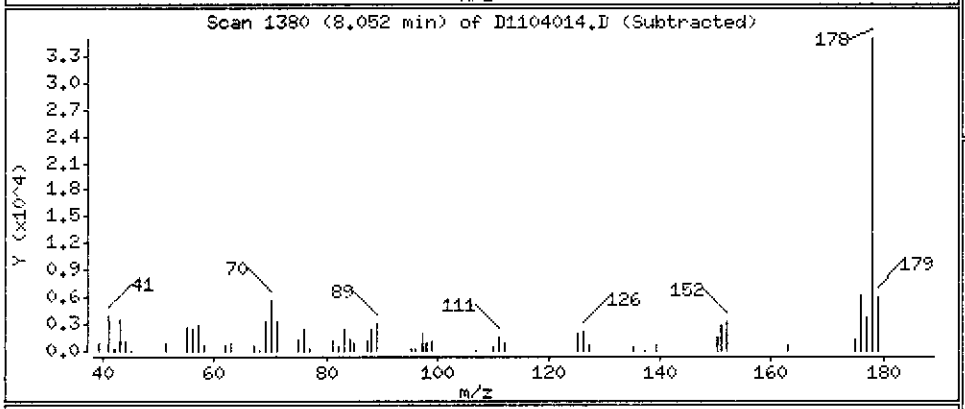
Column phase: DB5-MS

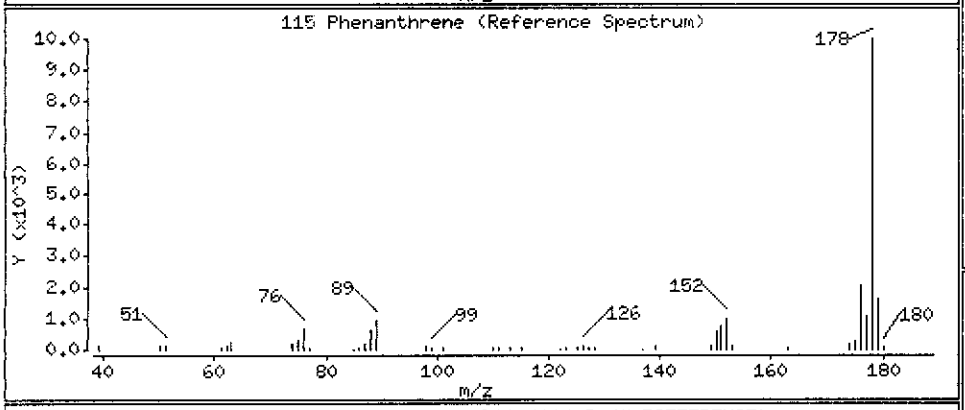
Column diameter: 0.32

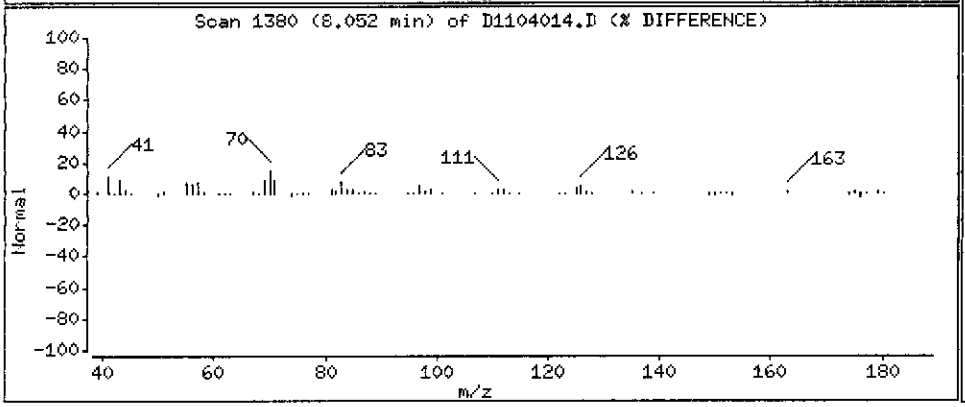
115 Phenanthrene

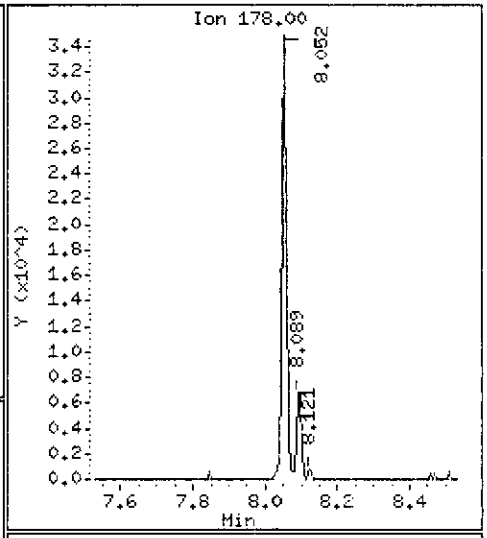
Concentration: 119.56 ug/kg

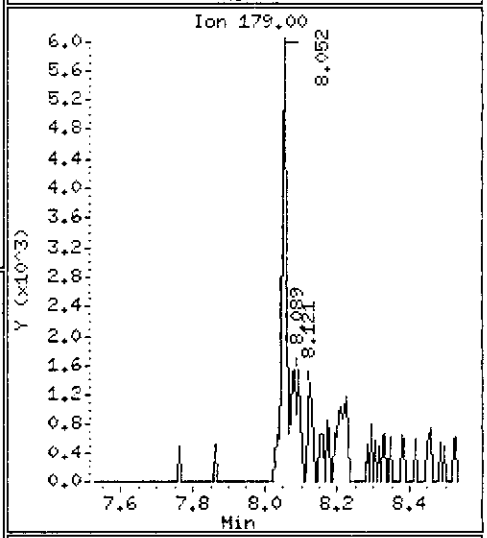


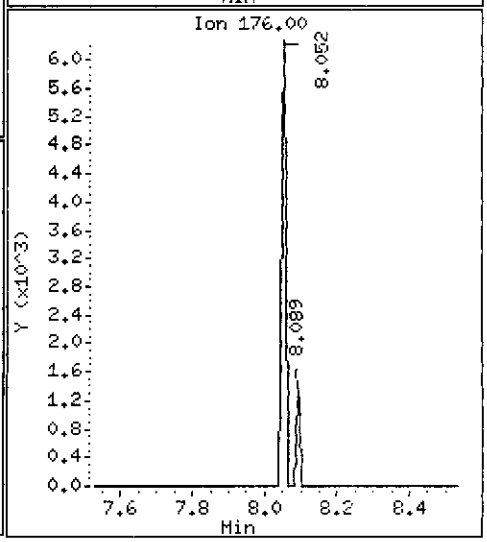












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104014.D

Date : 04-NOV-2010 16:54

Client ID: 20100837 SD10-01

Instrument: 732.i

Sample Info: c0k030562-002 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

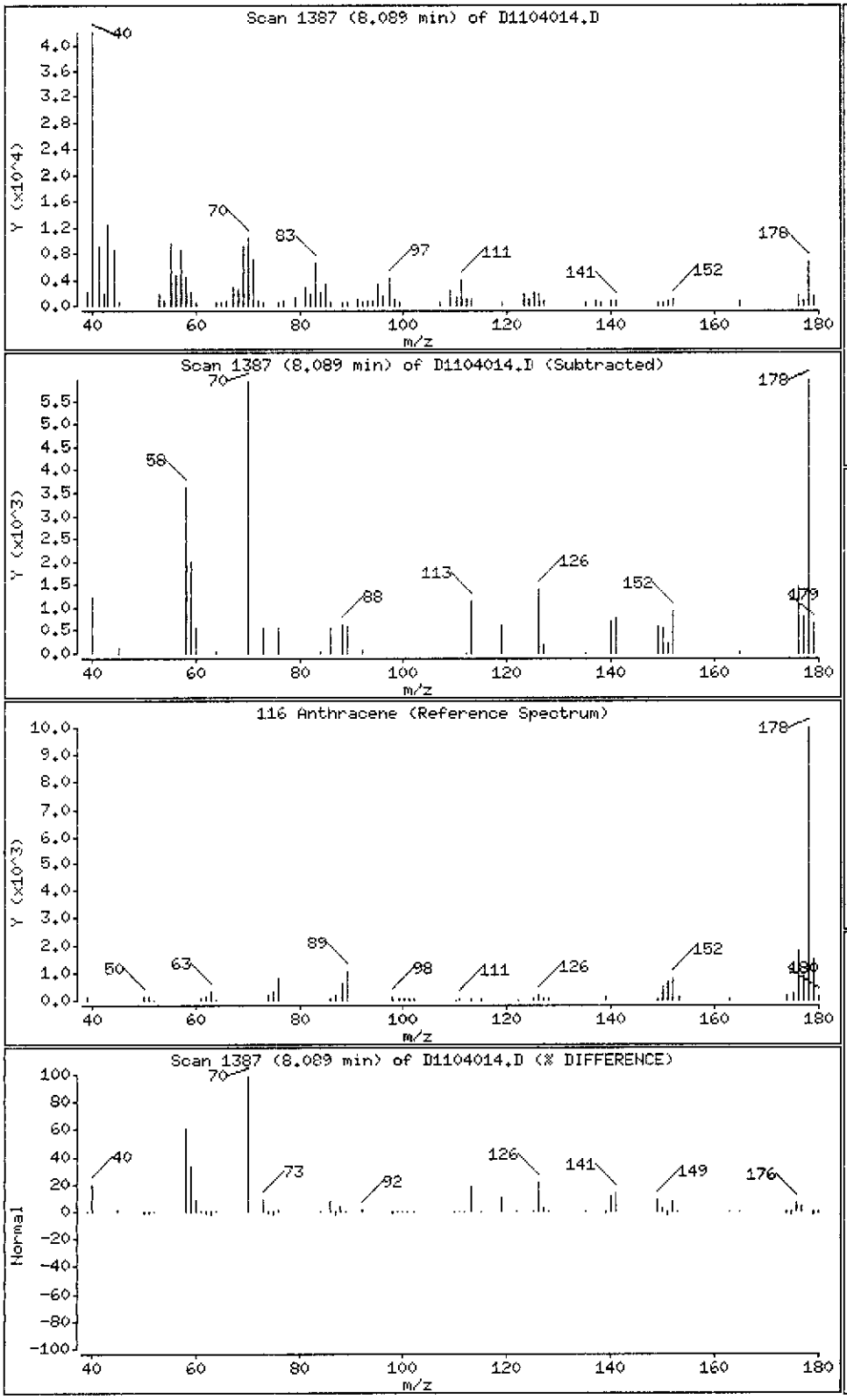
Operator: 430261nc

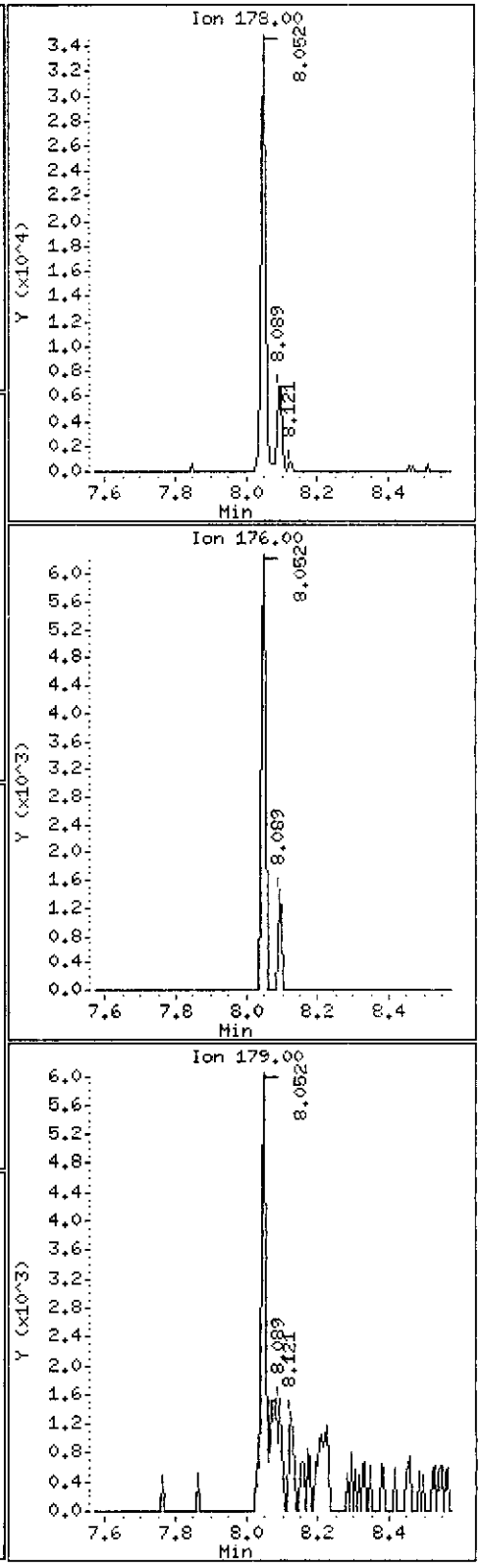
Column phase: DB5-MS

Column diameter: 0.32

116 Anthracene

Concentration: 27.362 ug/kg





Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104014.D

Date : 04-NOV-2010 16:54

Client ID: 20100837 SD10-01

Instrument: 732.i

Sample Info: c0k030562-002 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

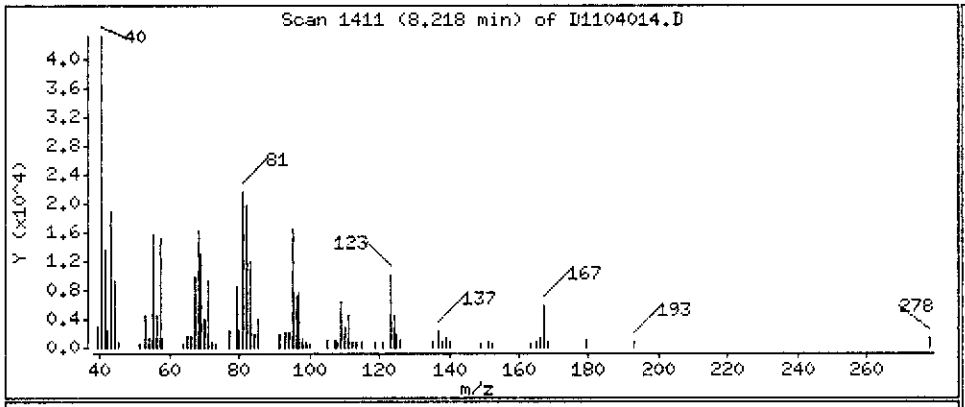
Operator: 430261nc

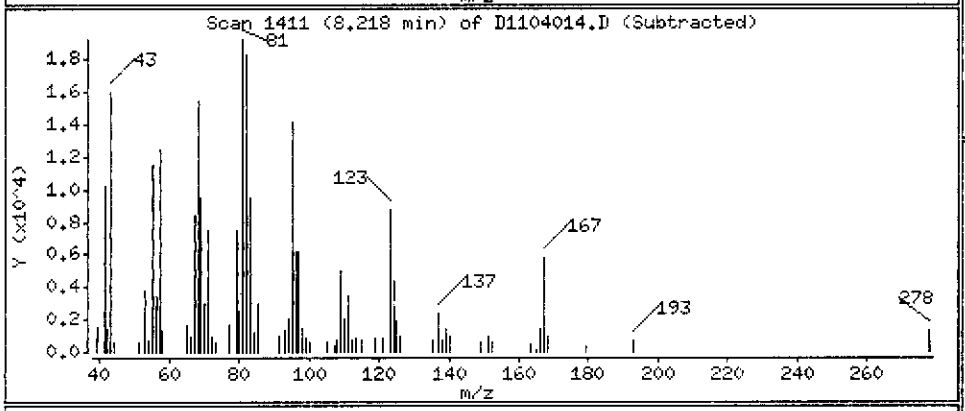
Column phase: DB5-MS

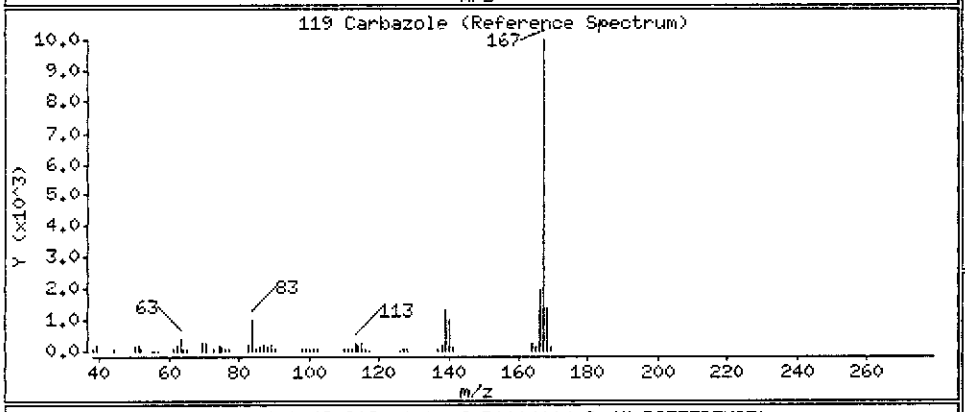
Column diameter: 0.32

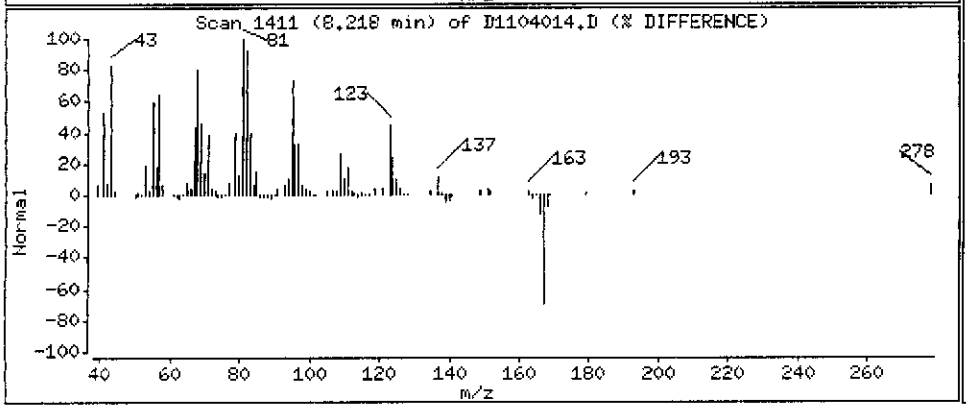
119 Carbazole

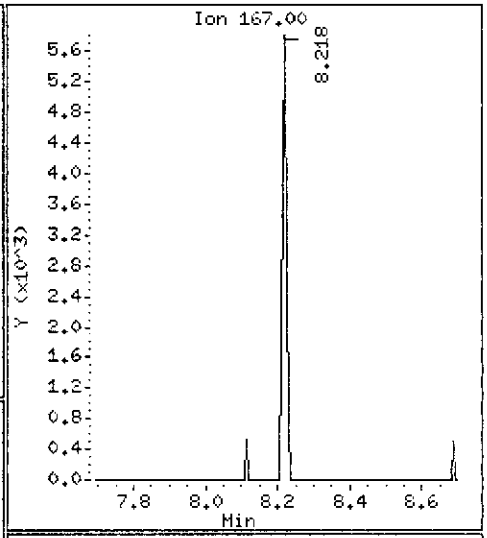
Concentration: 20.960 ug/kg

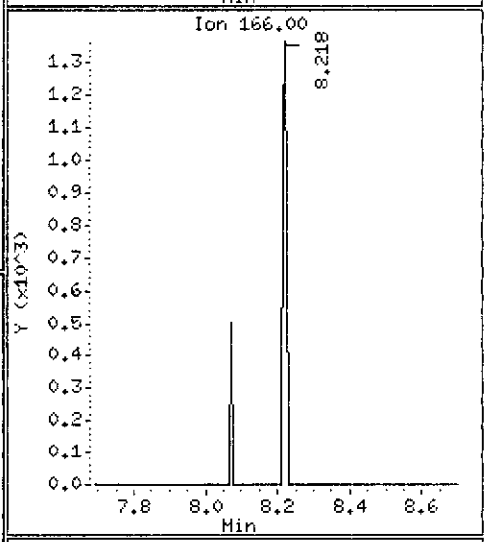


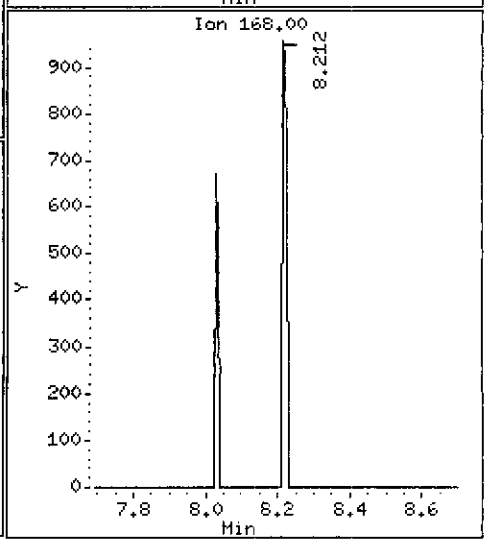












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104014.D

Date : 04-NOV-2010 16:54

Client ID: 20100837 SD10-01

Instrument: 732.i

Sample Info: c0k030562-002 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

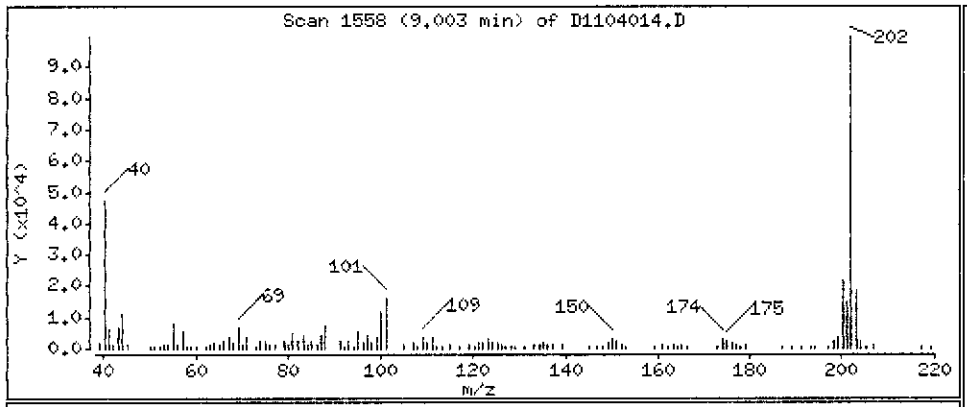
Operator: 430261nc

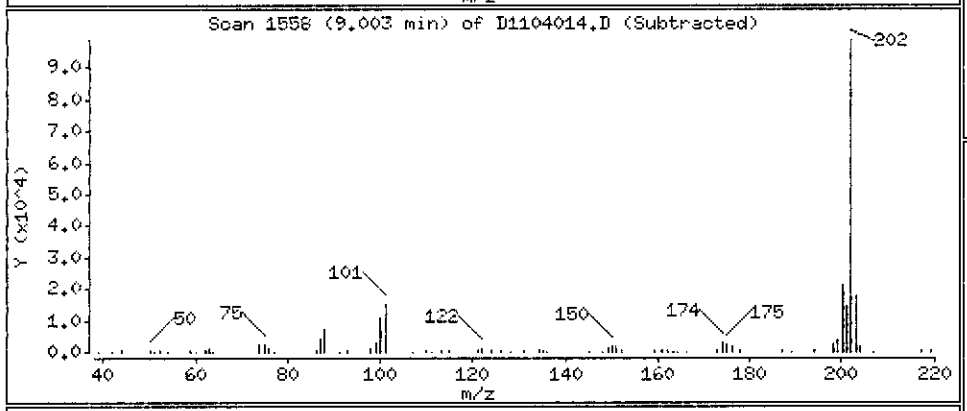
Column phase: DB5-MS

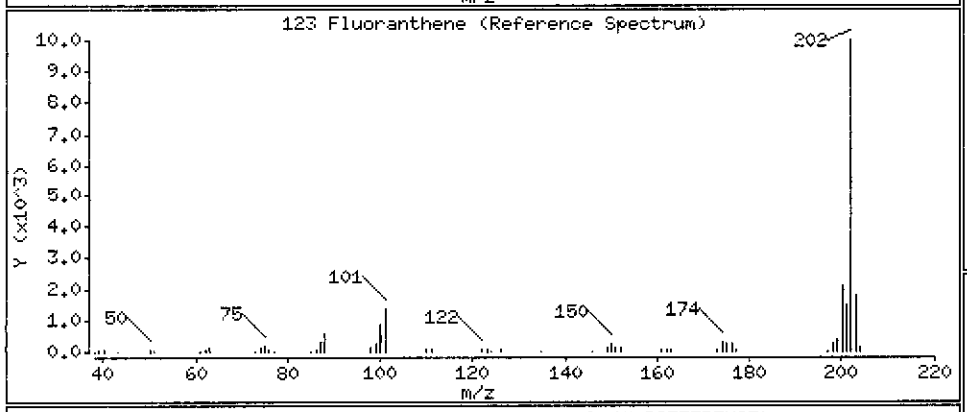
Column diameter: 0.32

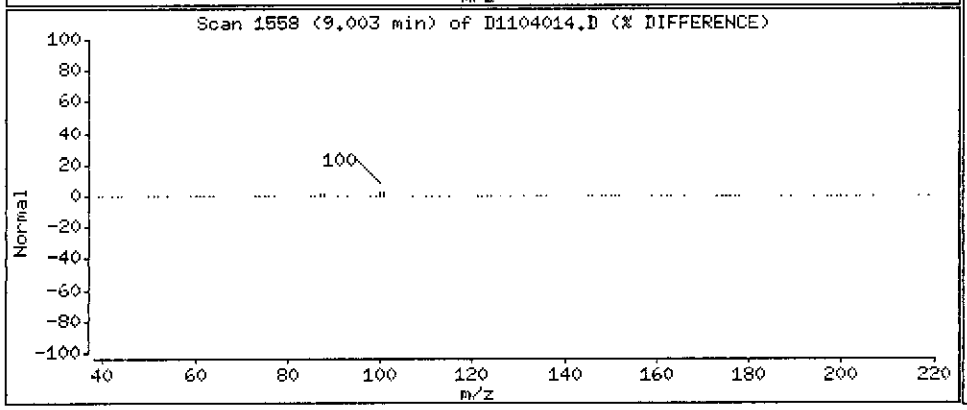
123 Fluoranthene

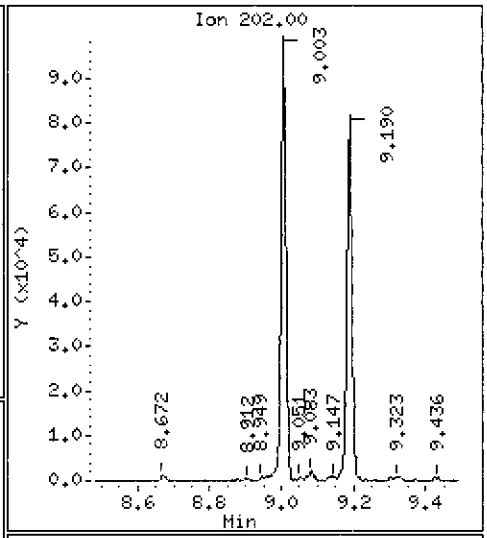
Concentration: 349.43 ug/kg

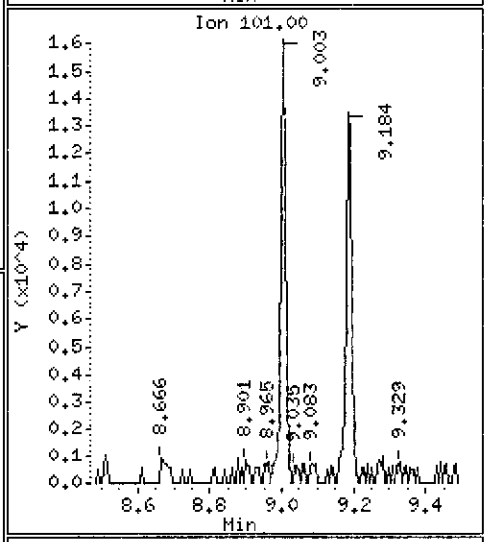


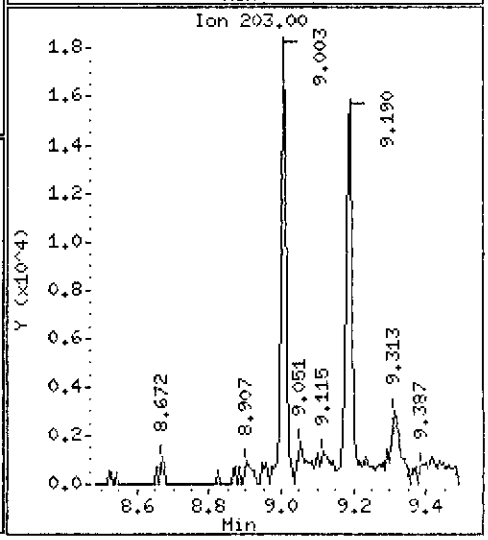












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104014.D

Date : 04-NOV-2010 16:54

Client ID: 20100837 SD10-01

Instrument: 732.i

Sample Info: c0k030562-002 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

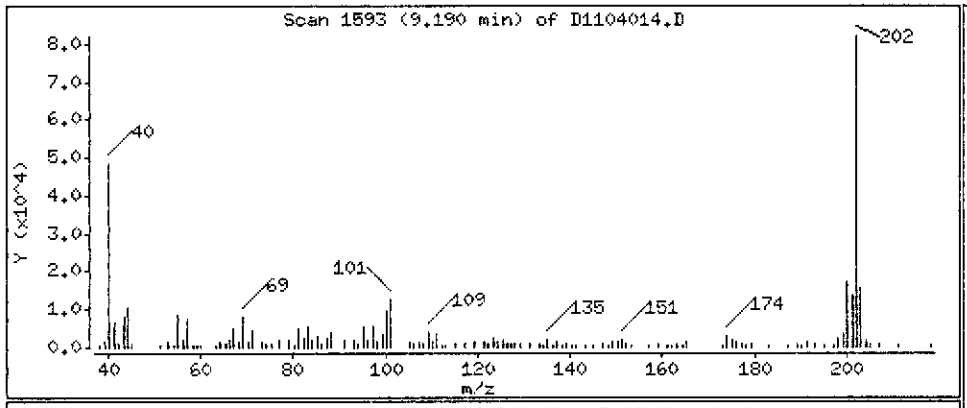
Operator: 430261nc

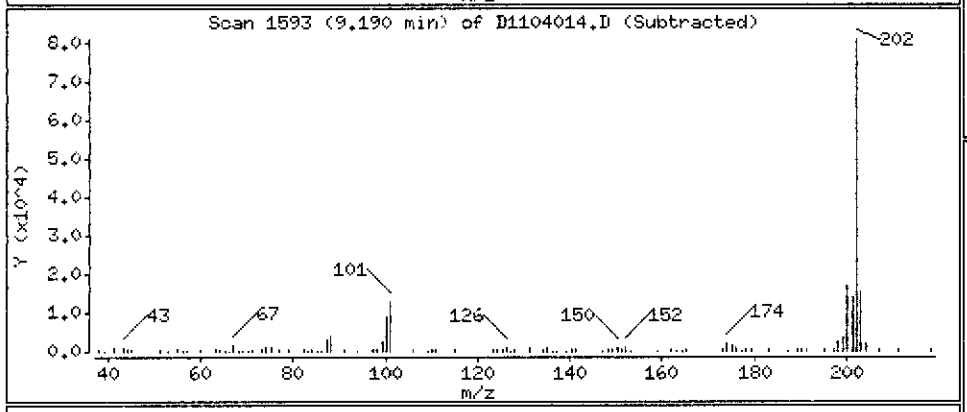
Column phase: DB5-MS

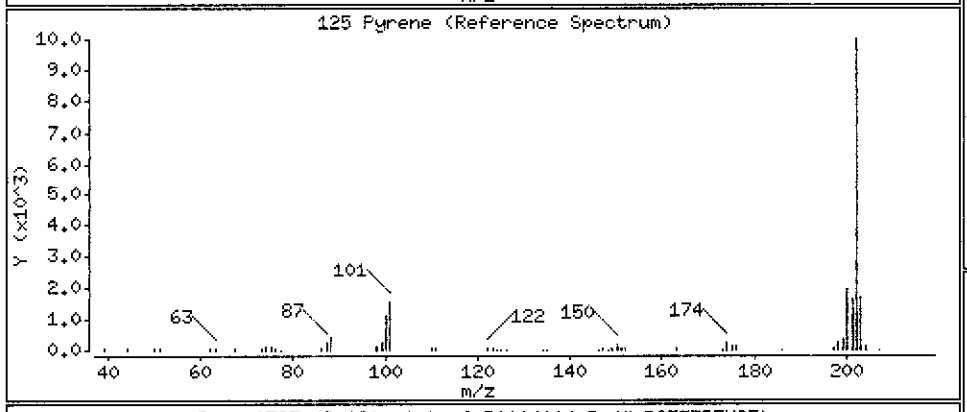
Column diameter: 0.32

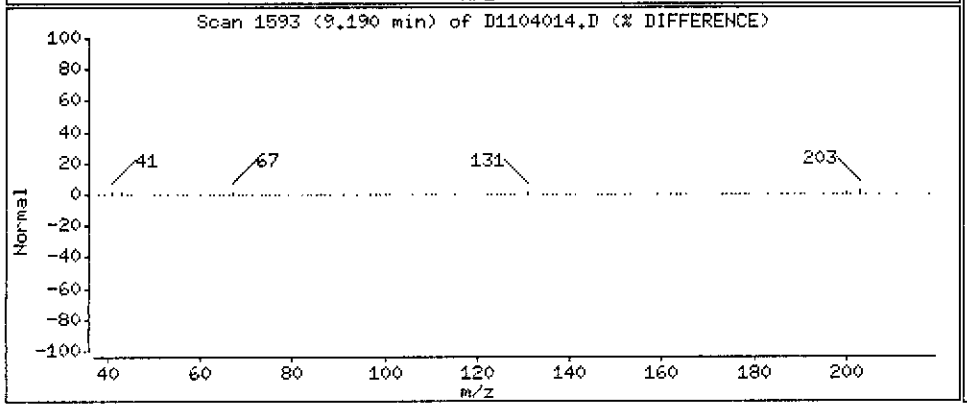
125 Pyrene

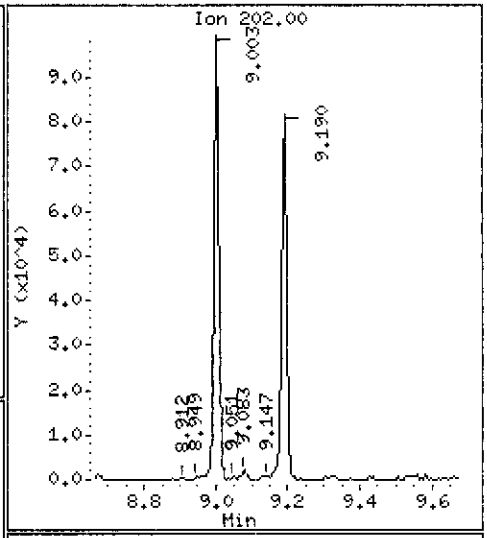
Concentration: 254.22 ug/kg

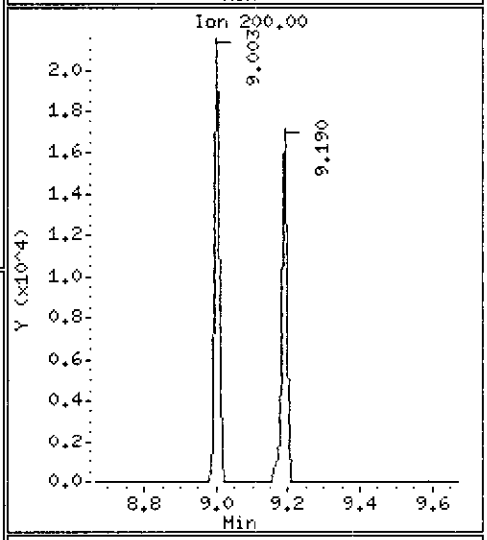


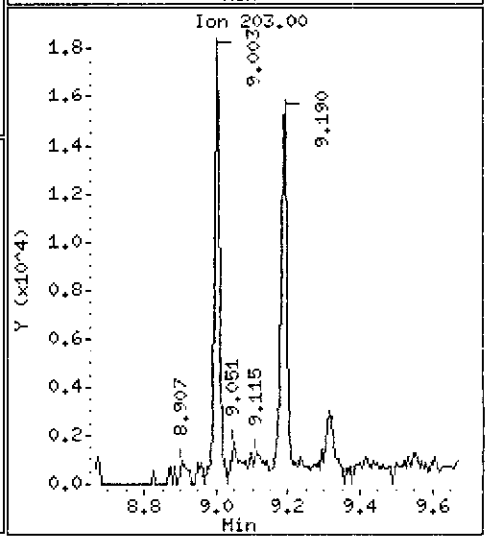












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104014.D

Date : 04-NOV-2010 16:54

Client ID: 20100837 SD10-01

Instrument: 732.i

Sample Info: c0k030562-002 20x 11/04/10 sed842(0308035)

Volume Injected (uL): 2.0

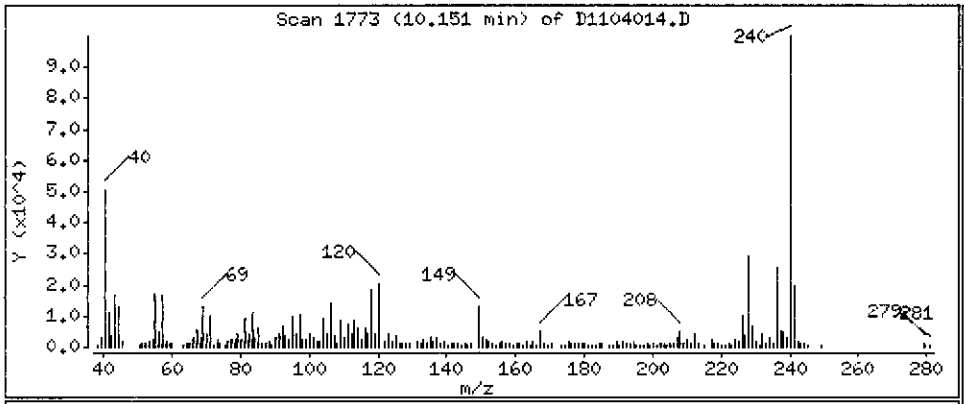
Operator: 430261nc

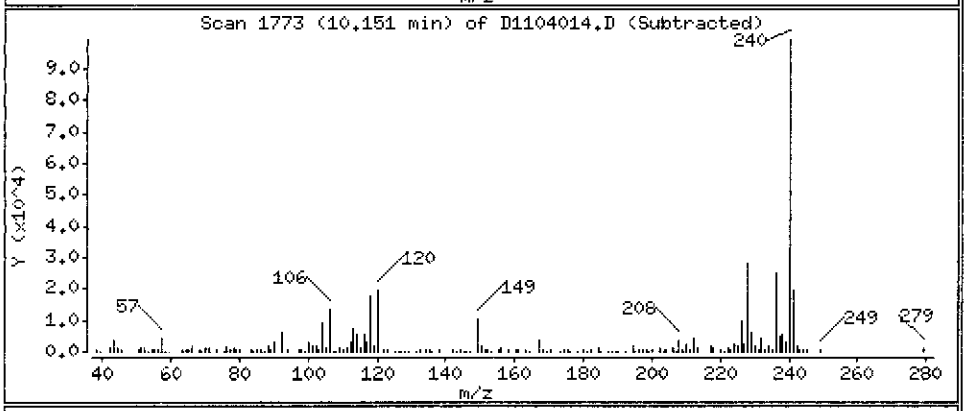
Column phase: DB5-MS

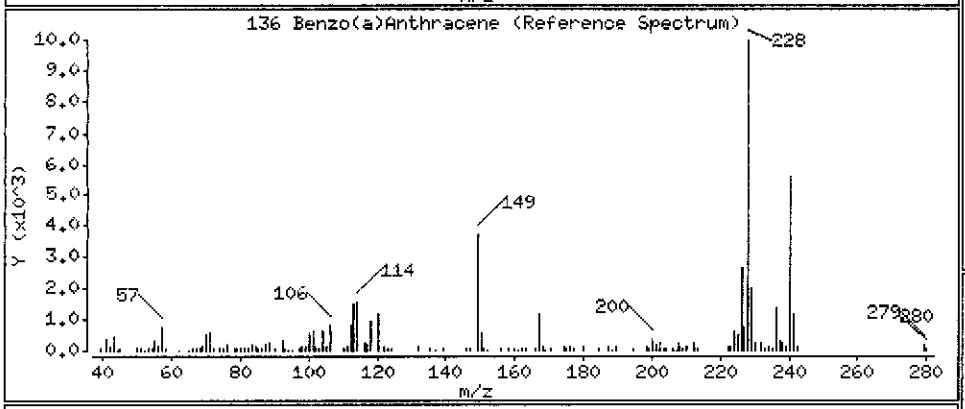
Column diameter: 0.32

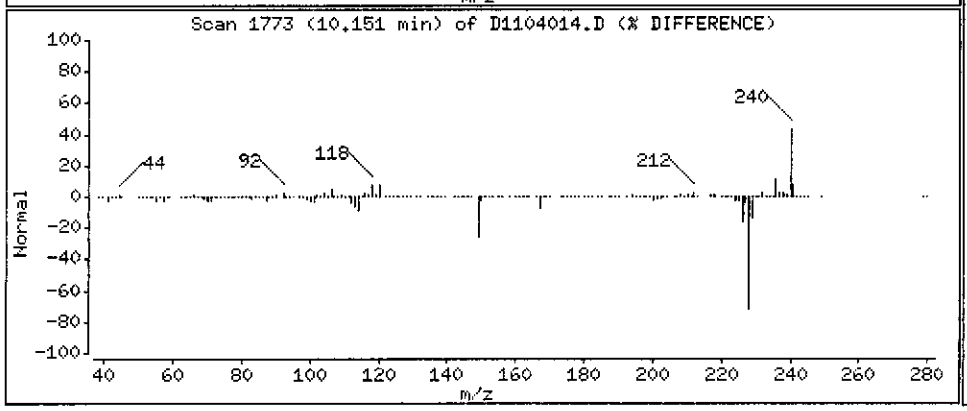
136 Benzo(a)Anthracene

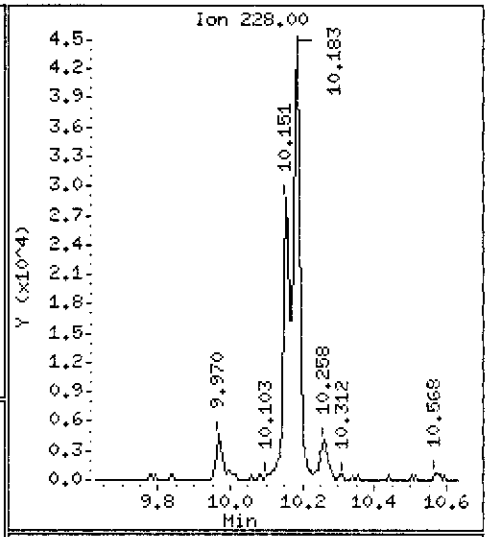
Concentration: 126.21 ug/kg

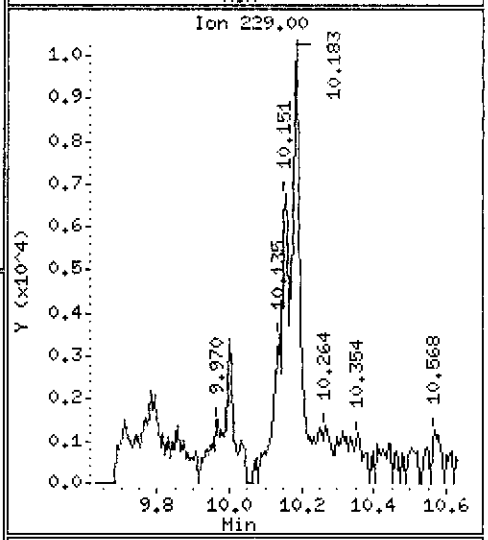


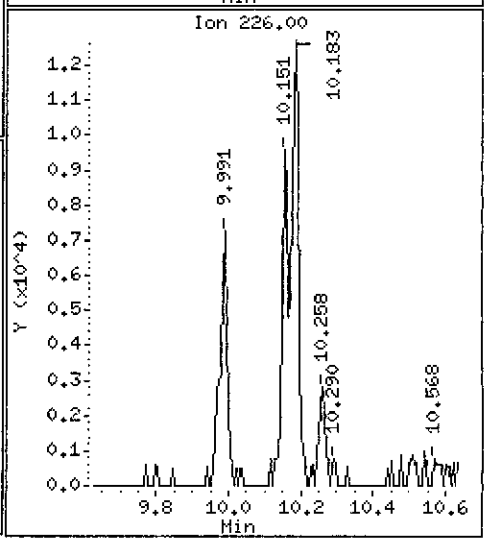












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104014.D

Date : 04-NOV-2010 16:54

Client ID: 20100837 SD10-01

Instrument: 732.i

Sample Info: c0k030562-002 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

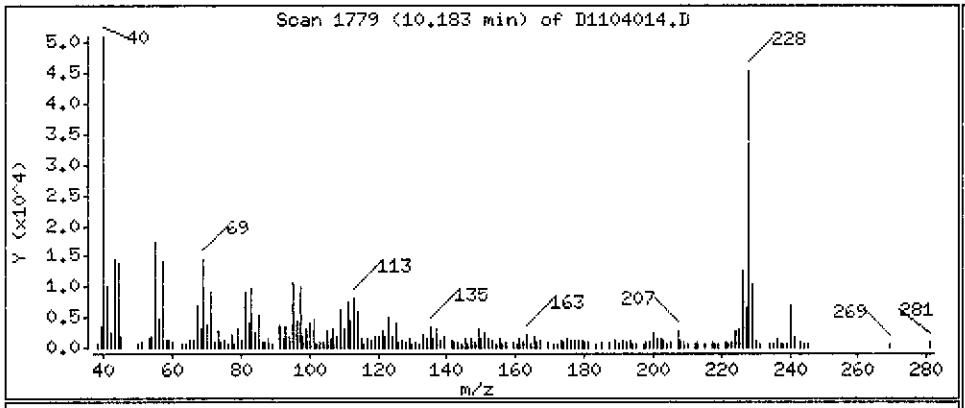
Operator: 430261nc

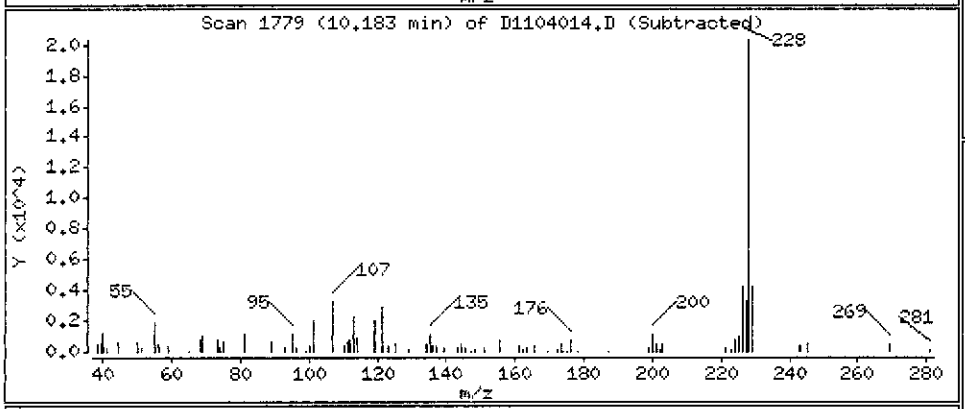
Column phase: DB5-MS

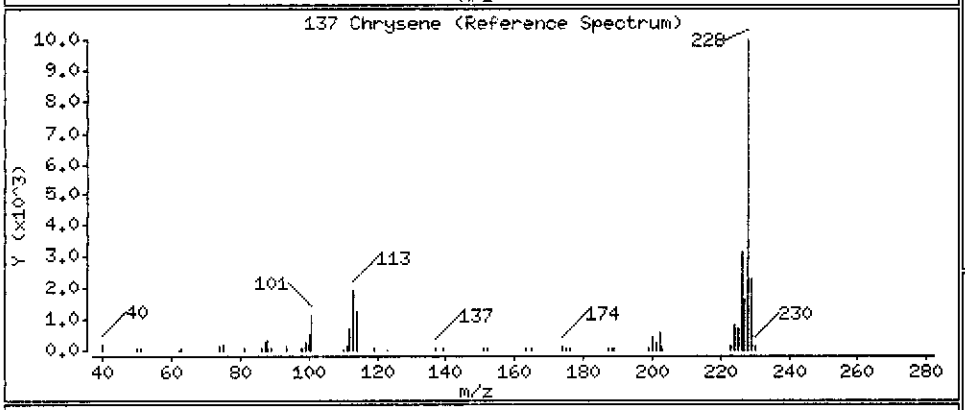
Column diameter: 0.32

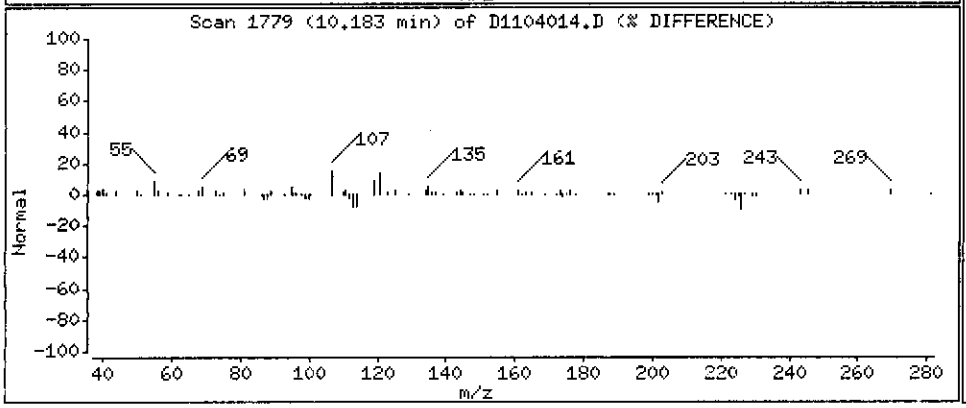
137 Chrysene

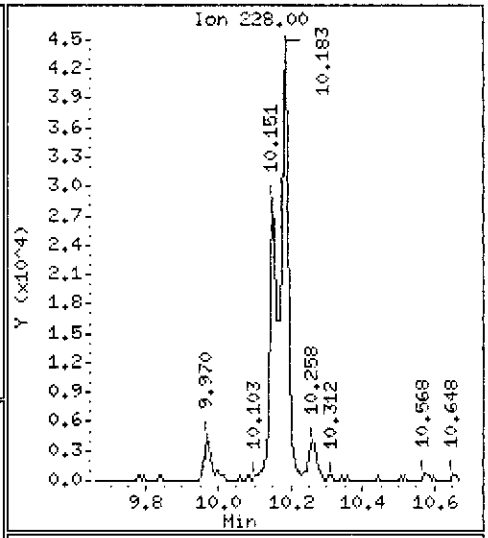
Concentration: 217.73 ug/kg

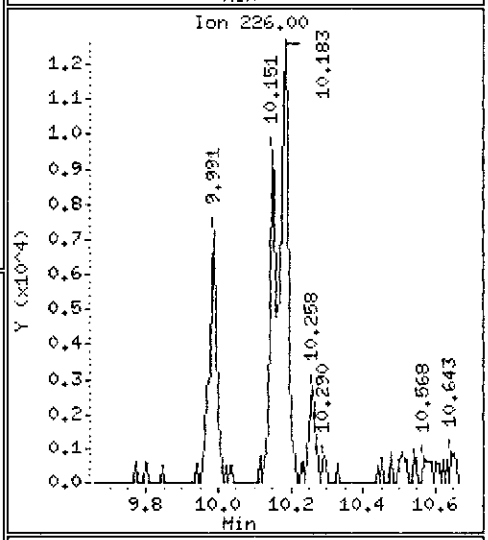


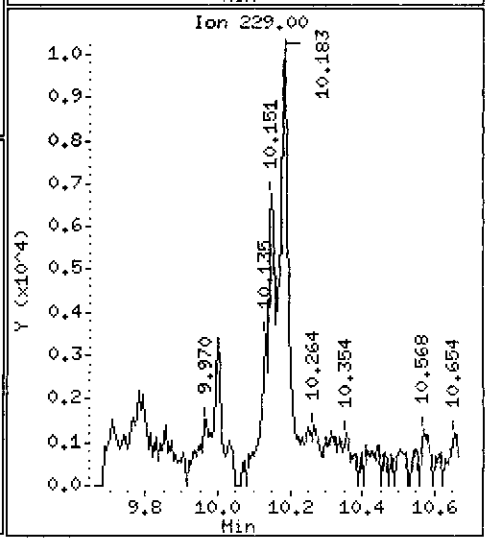












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104014.D

Date : 04-NOV-2010 16:54

Client ID: 20100837 SD10-01

Instrument: 732.i

Sample Info: c0k030562-002 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

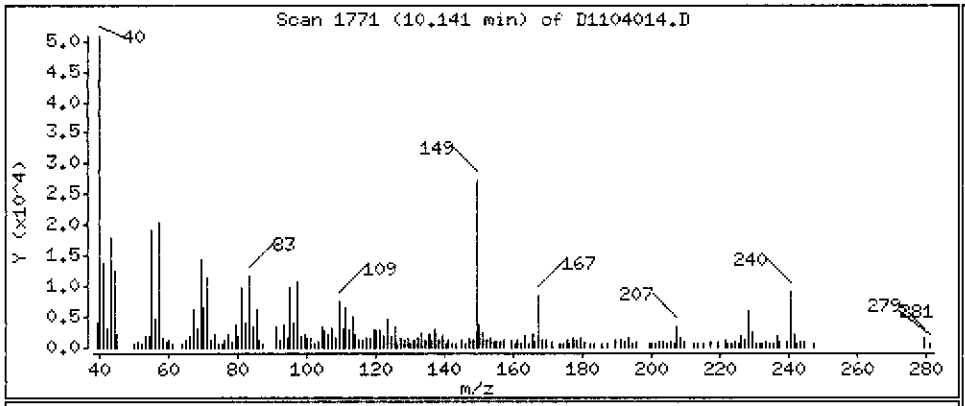
Operator: 430261mc

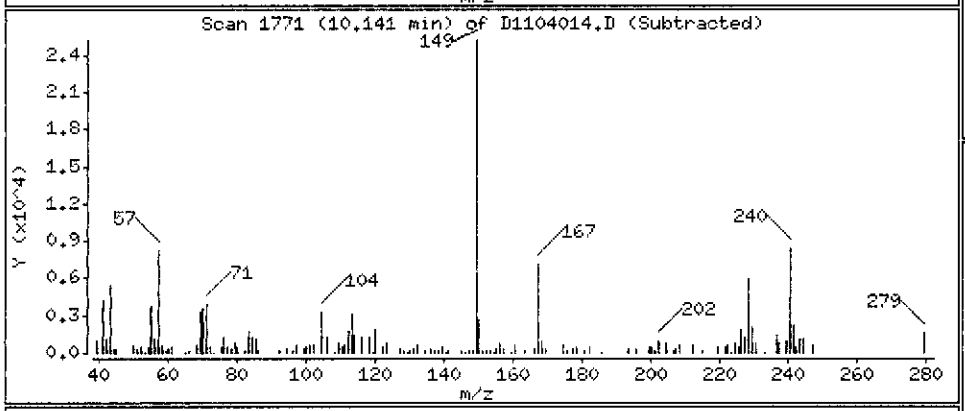
Column phase: DB5-MS

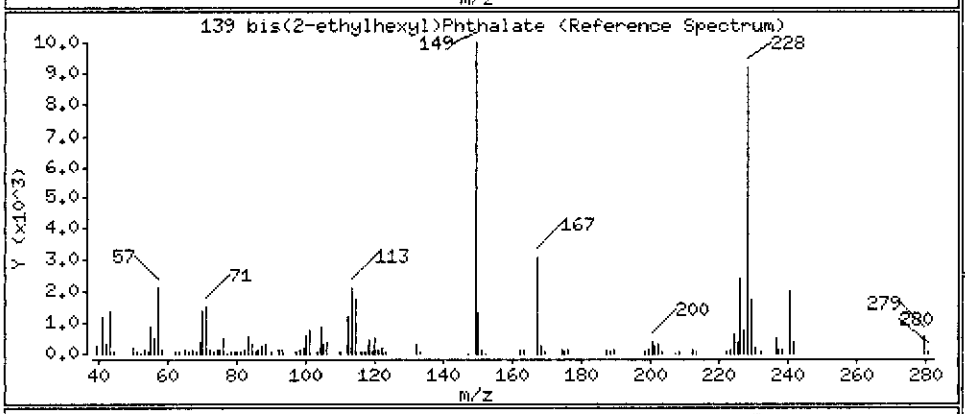
Column diameter: 0.32

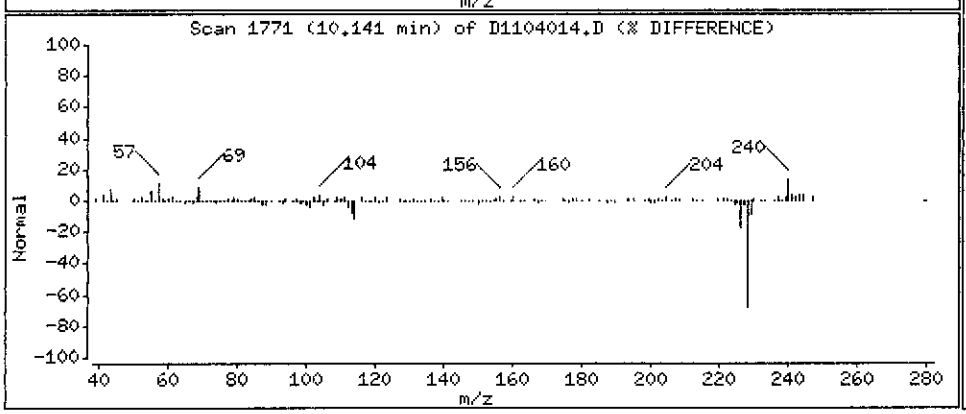
139 bis(2-ethylhexyl)Phthalate

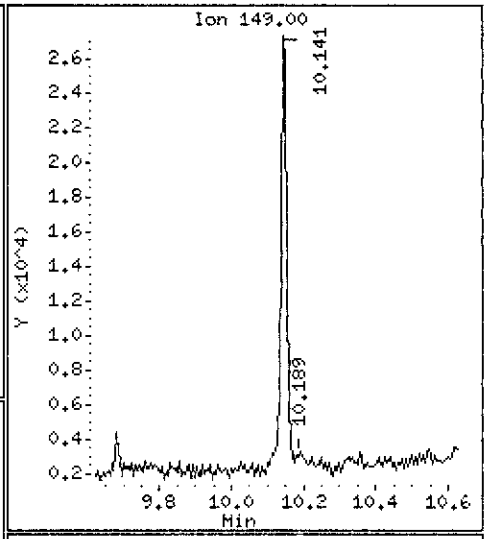
Concentration: 170.66 ug/kg

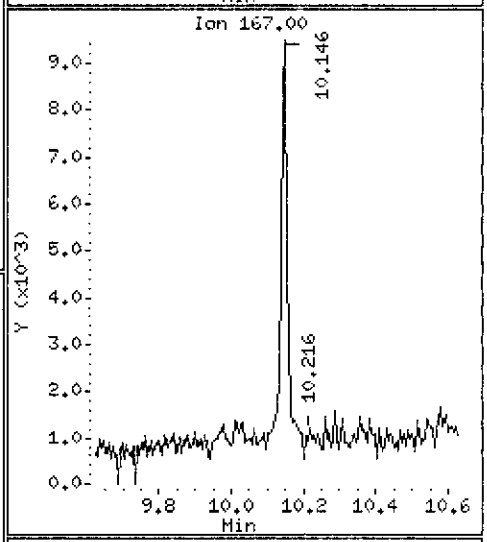


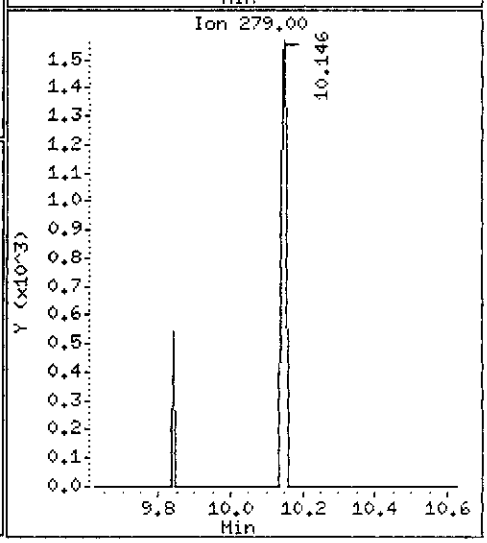












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104014.D

Date : 04-NOV-2010 16:54

Client ID: 20100837 SD10-01

Instrument: 732.i

Sample Info: c0k030562-002 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

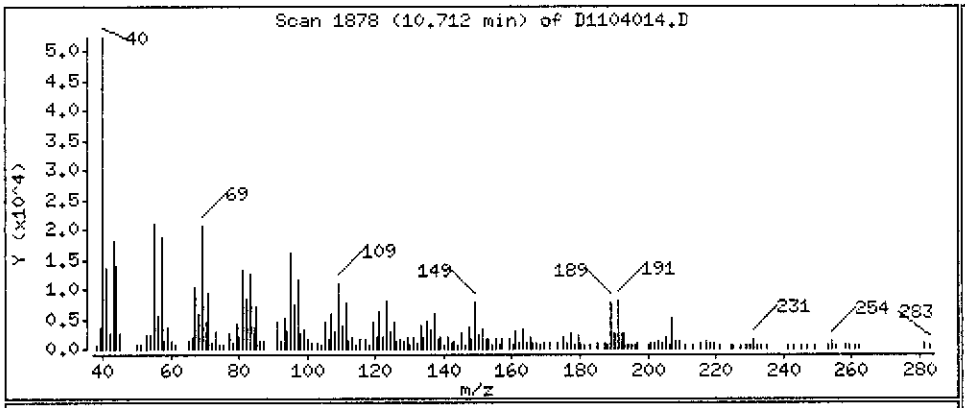
Operator: 430261nc

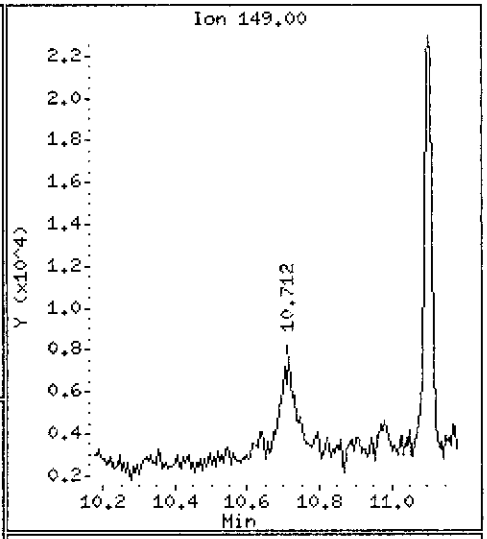
Column phase: DB5-MS

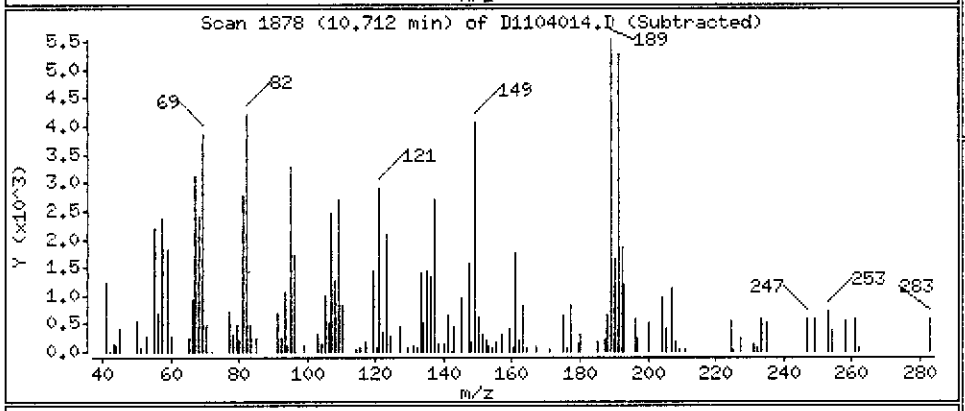
Column diameter: 0.32

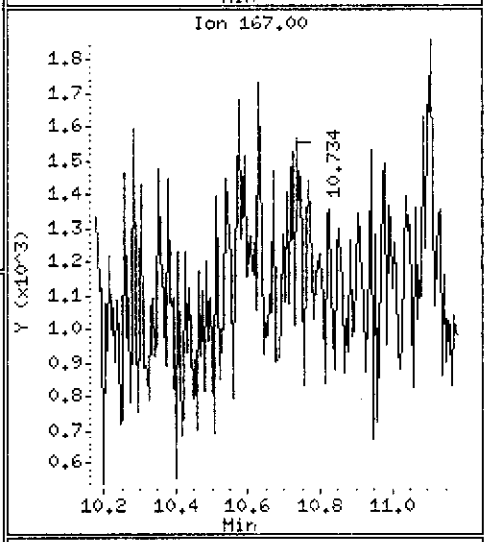
140 Di-n-octylphthalate

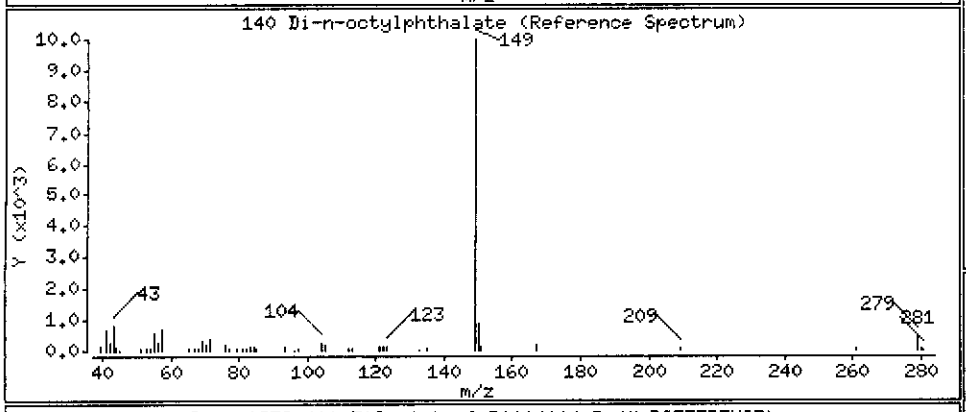
Concentration: 354.93 ug/kg

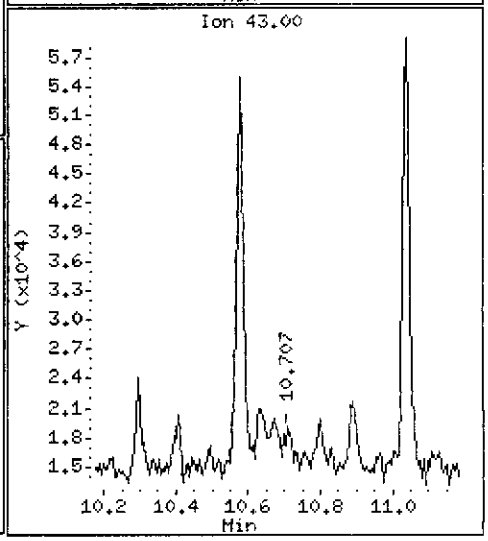


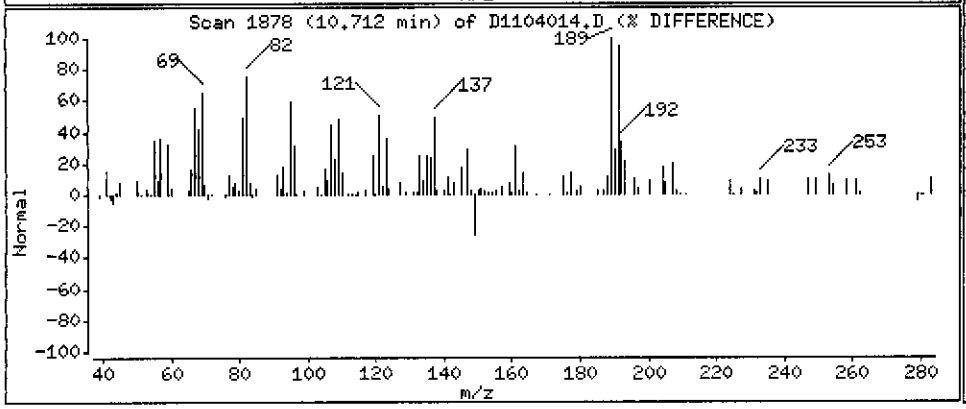












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104014.D

Date : 04-NOV-2010 16:54

Client ID: 20100837 SD10-01

Instrument: 732.i

Sample Info: c0k030562-002 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

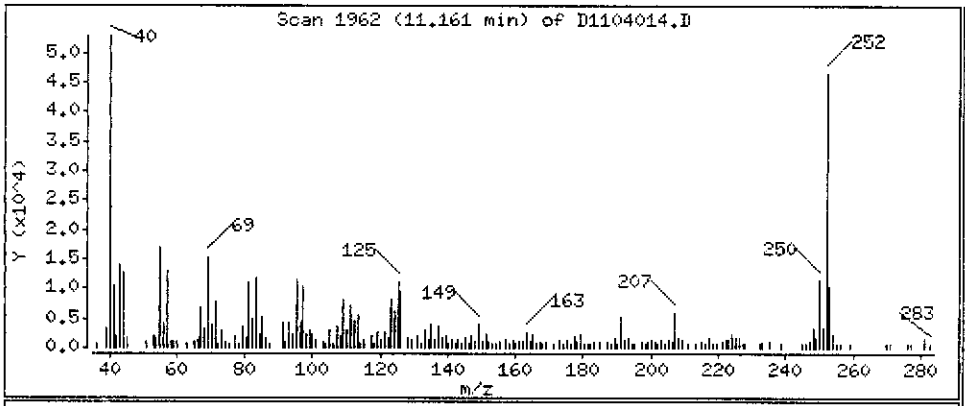
Operator: 430261nc

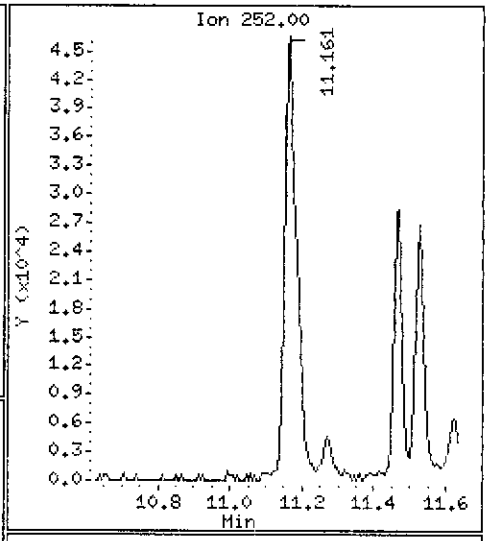
Column phase: DB5-MS

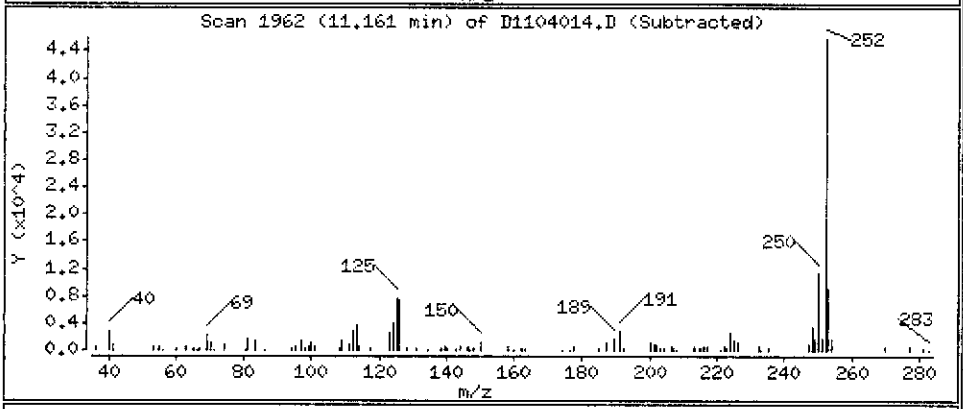
Column diameter: 0.32

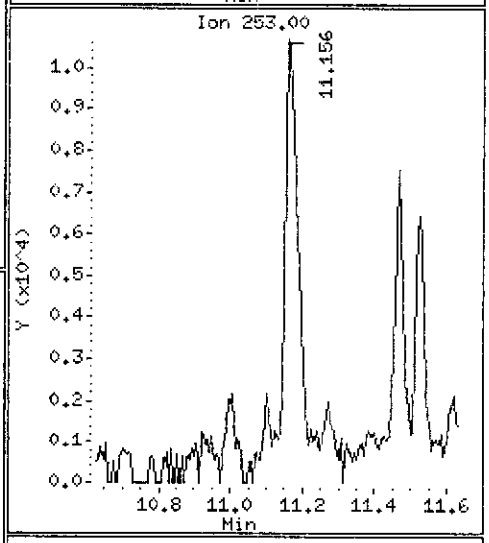
141 Benzo(b)fluoranthene

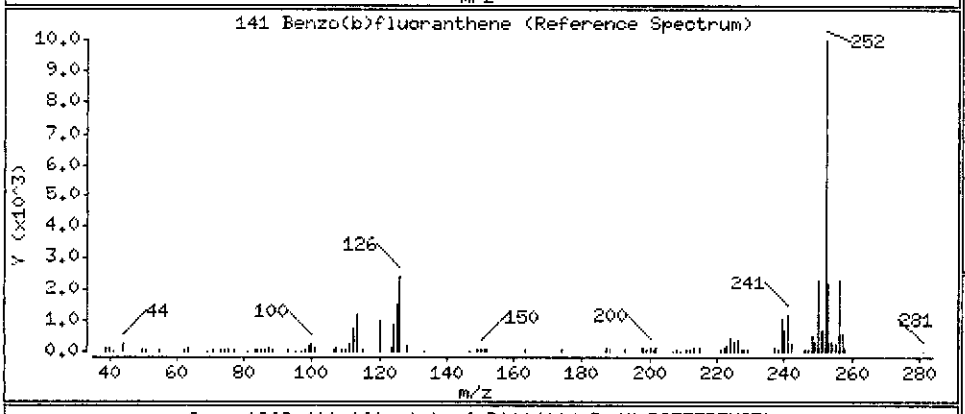
Concentration: 214.85 ug/kg

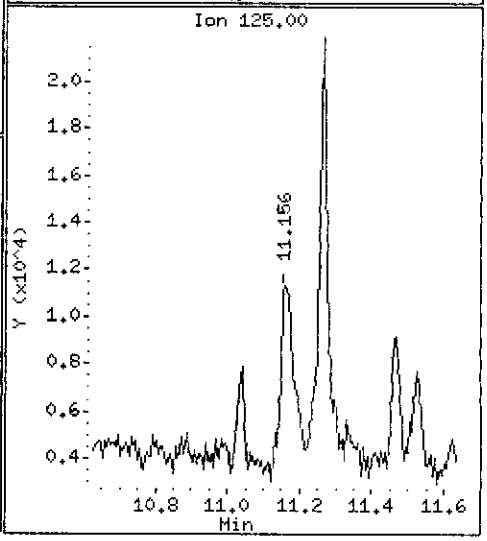


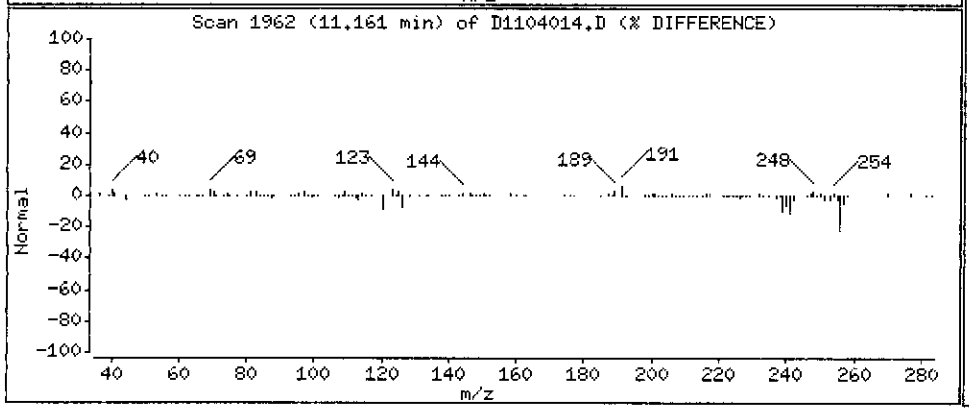












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104014.D

Date : 04-NOV-2010 16:54

Client ID: 20100837 SD10-01

Instrument: 732.i

Sample Info: c0k030562-002 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

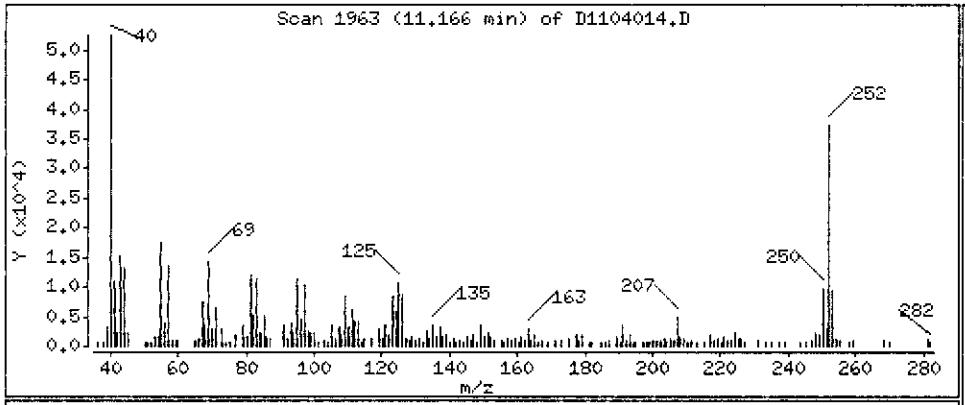
Operator: 430261nc

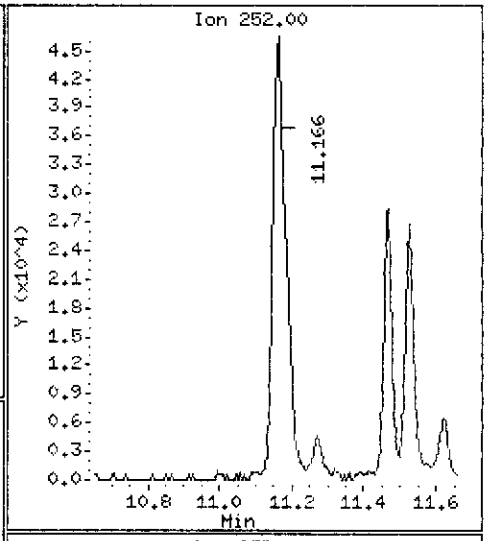
Column phase: DB5-MS

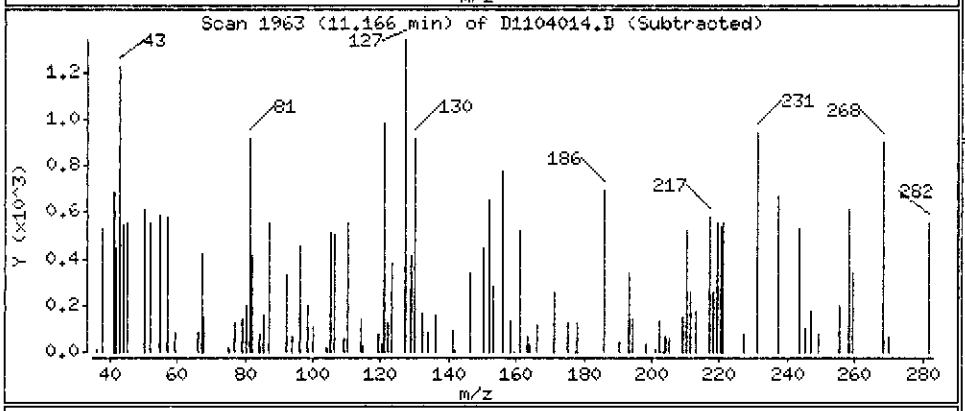
Column diameter: 0.32

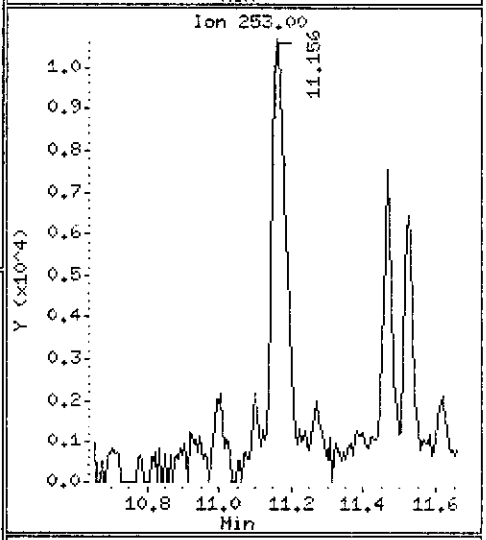
142 Benzo(k)fluoranthene

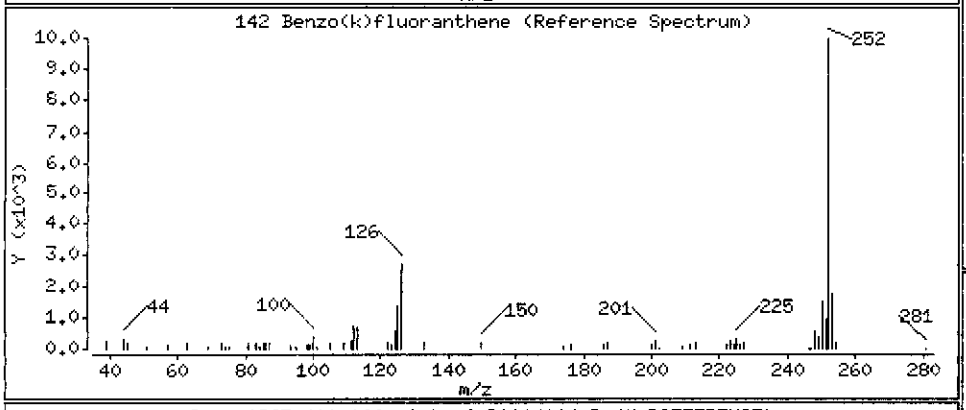
Concentration: 166.98 ug/kg

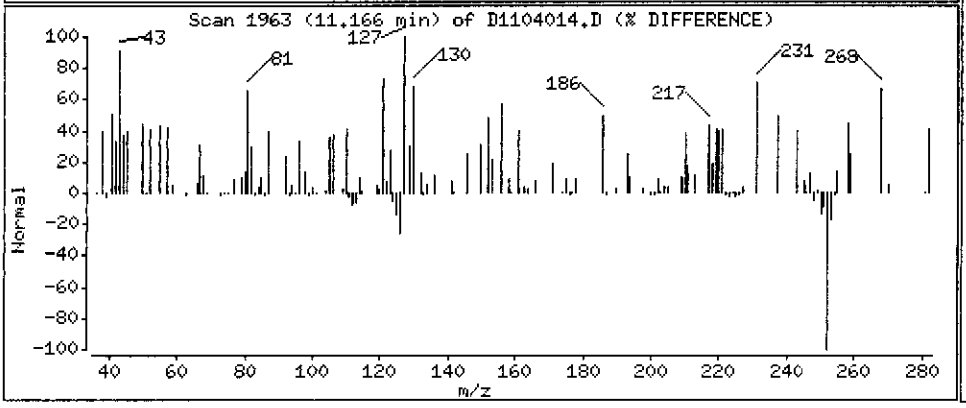


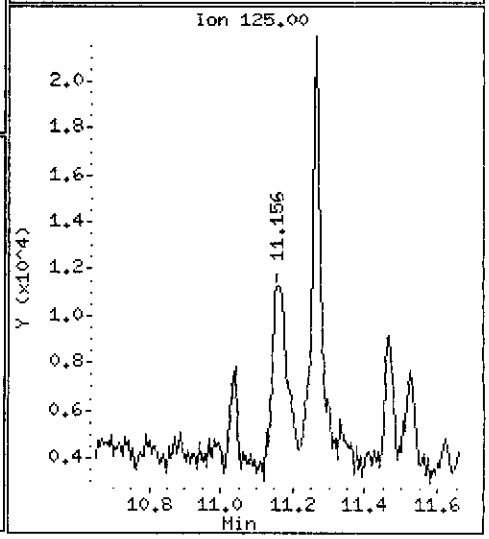












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104014.D

Date : 04-NOV-2010 16:54

Client ID: 20100837 SD10-01

Instrument: 732.i

Sample Info: c0k030562-002 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

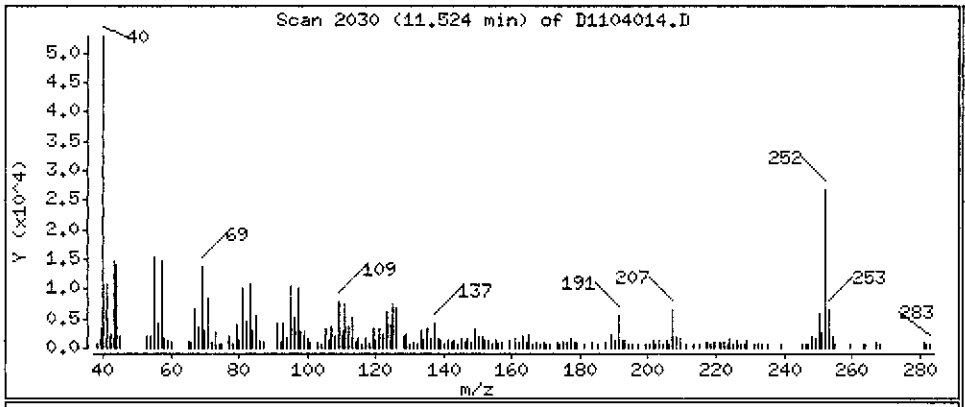
Operator: 430261nc

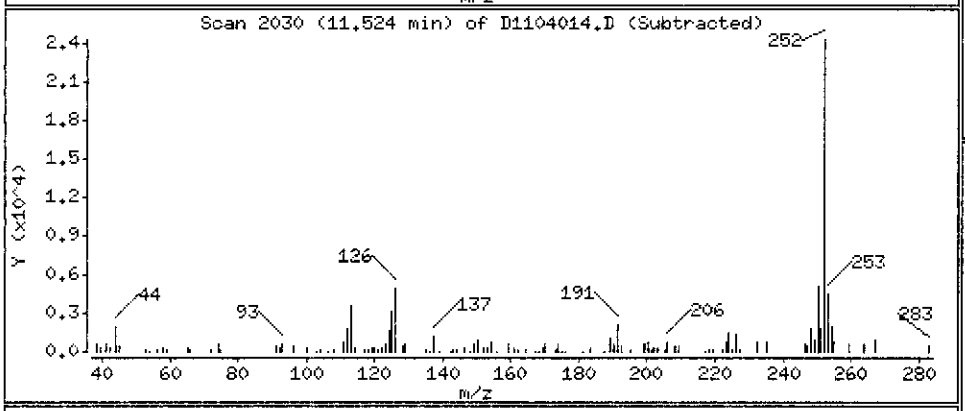
Column phase: DB5-MS

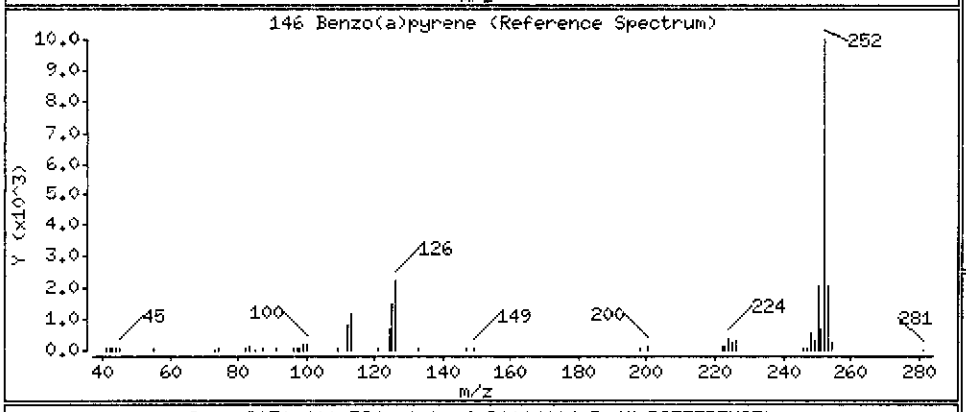
Column diameter: 0.32

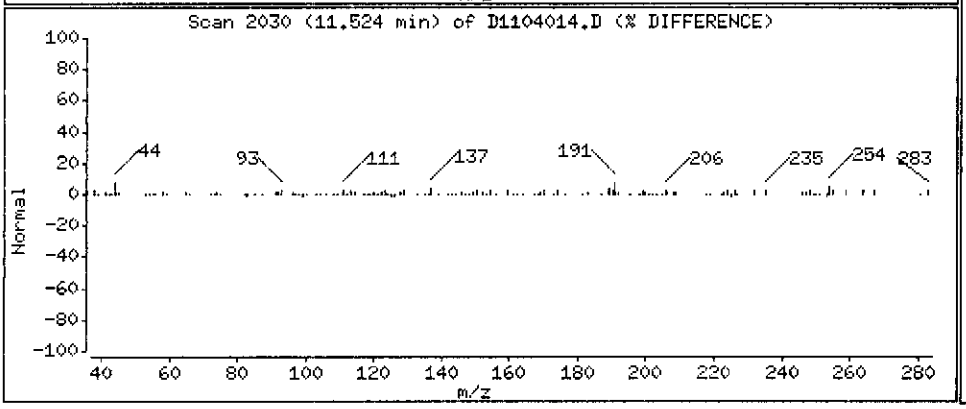
146 Benzo(a)pyrene

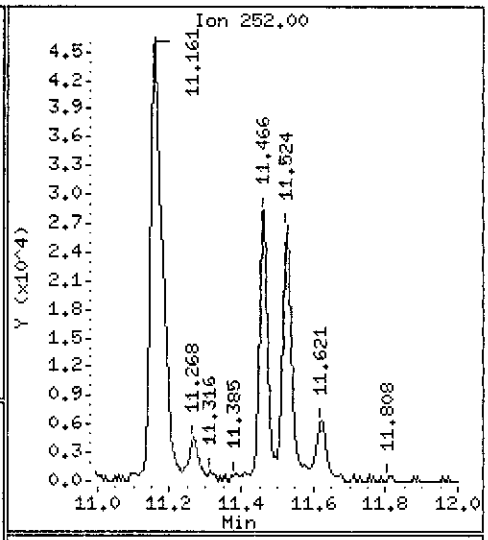
Concentration: 306.37 ug/kg

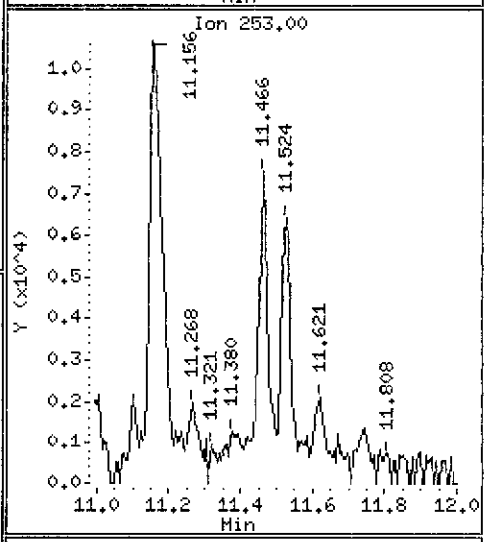


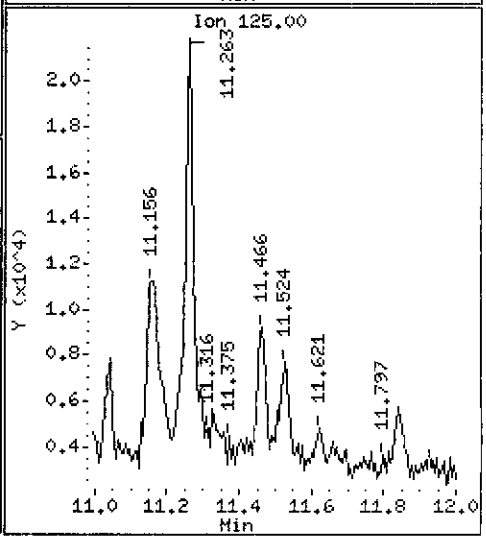












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104014.D

Date : 04-NOV-2010 16:54

Client ID: 20100837 SD10-01

Instrument: 732.i

Sample Info: c0k030562-002 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

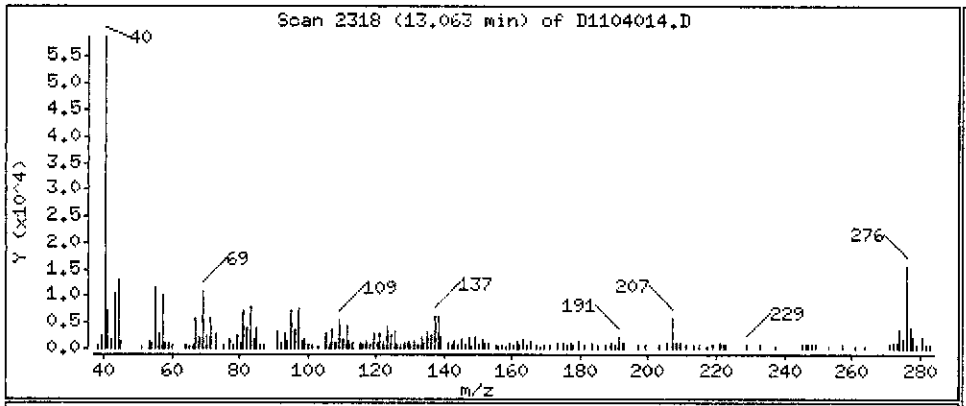
Operator: 430261nc

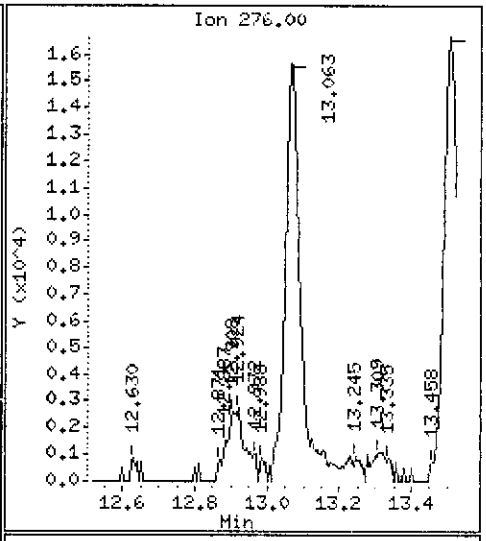
Column phase: DB5-MS

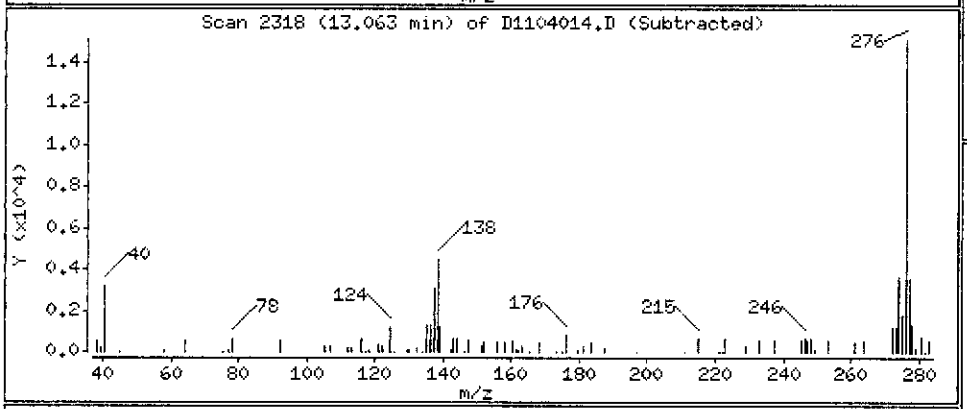
Column diameter: 0.32

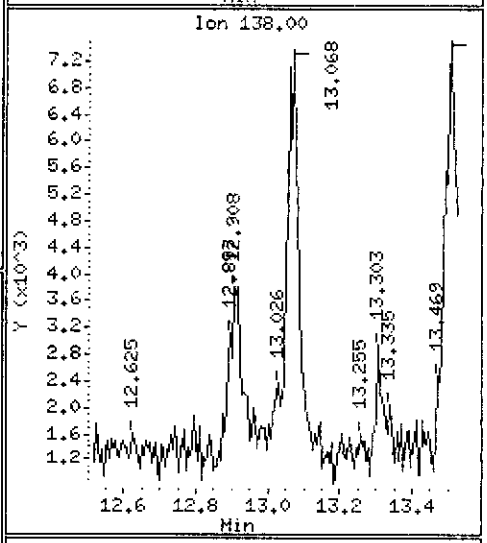
149 Indeno(1,2,3-cd)pyrene

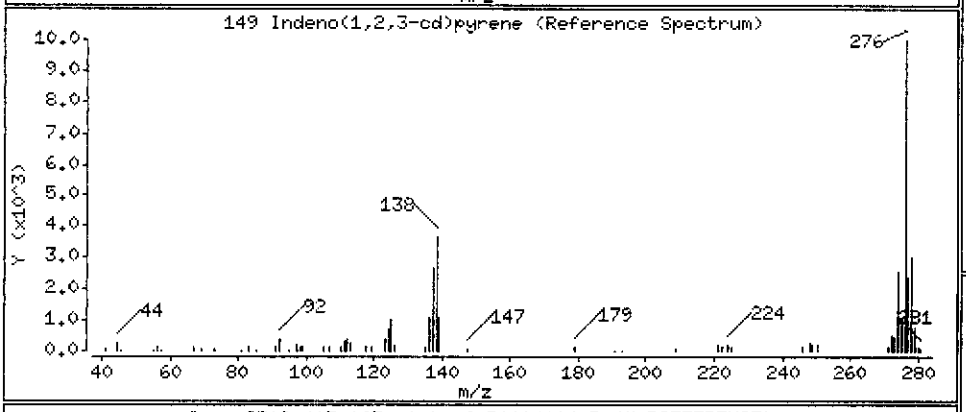
Concentration: 274.87 ug/kg

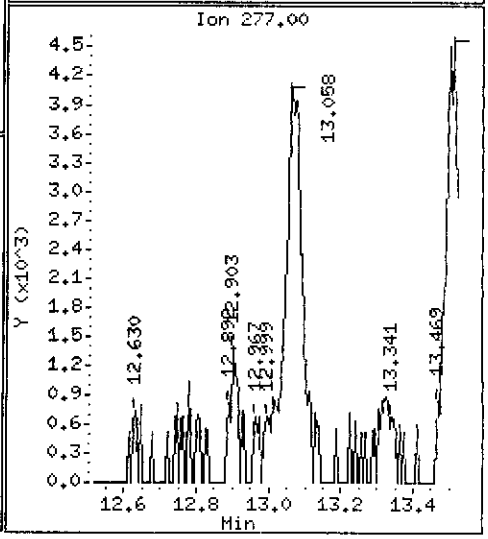


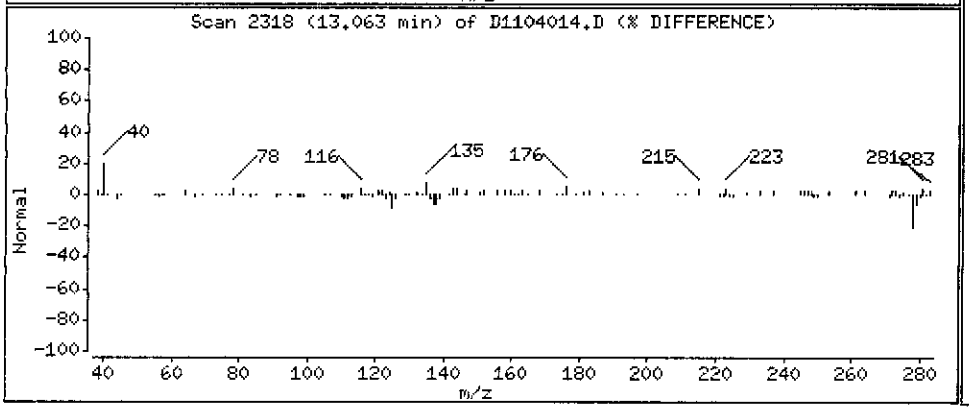












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104014.D

Date : 04-NOV-2010 16:54

Client ID: 20100837 SD10-01

Instrument: 732.i

Sample Info: c0k030562-002 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

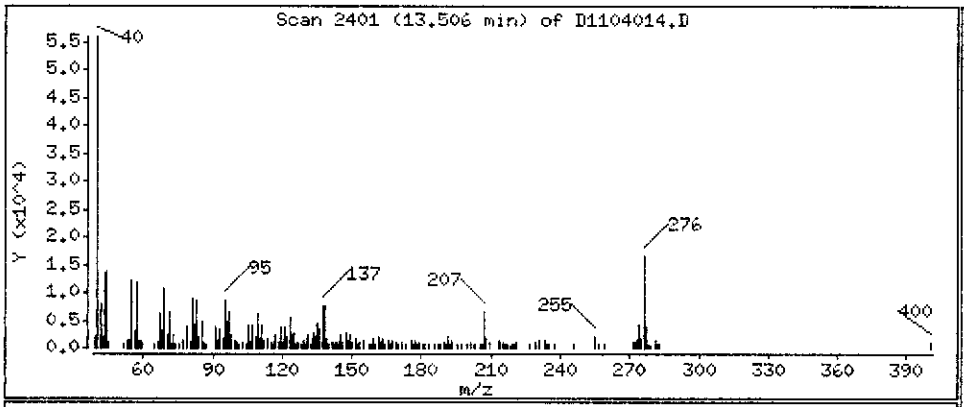
Operator: 430261nc

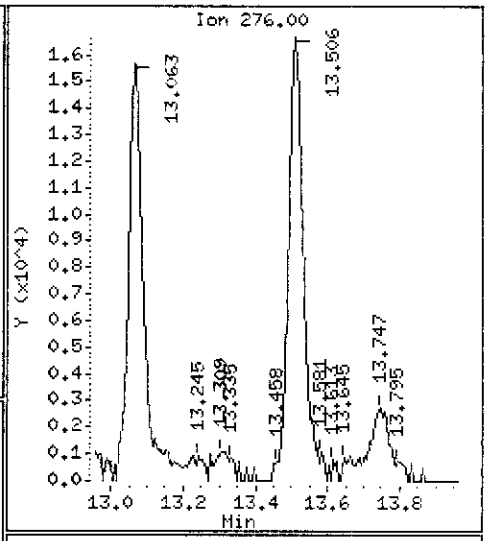
Column phase: DB5-MS

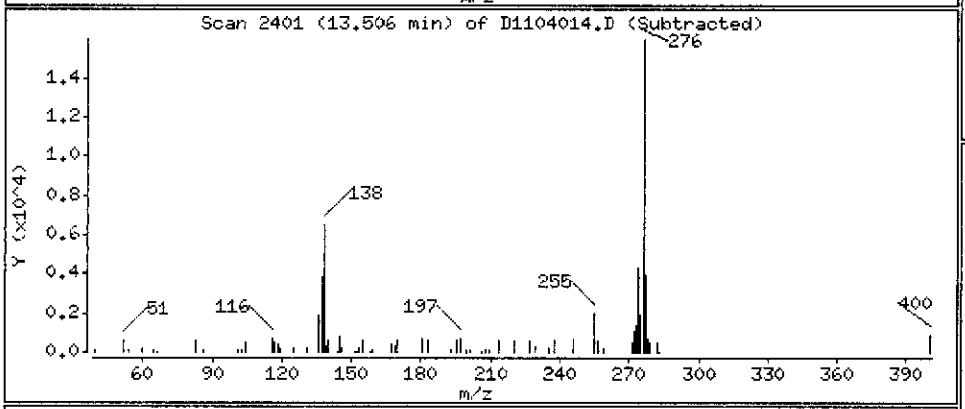
Column diameter: 0.32

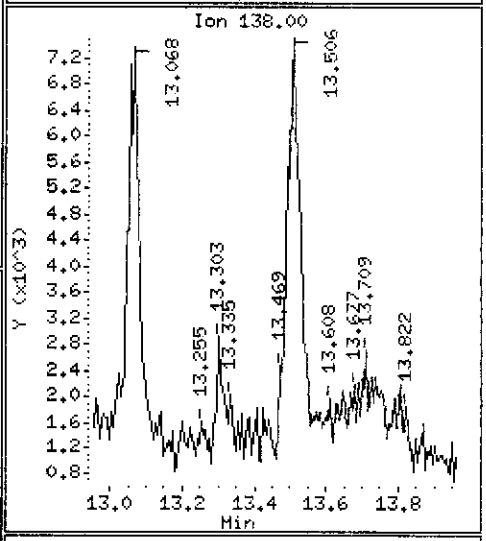
151 Benzo(g,h,i)perylene

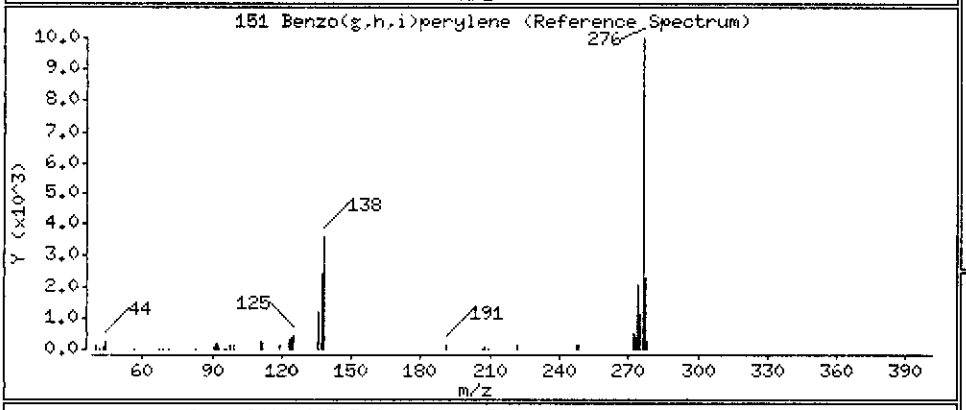
Concentration: 200.73 ug/kg

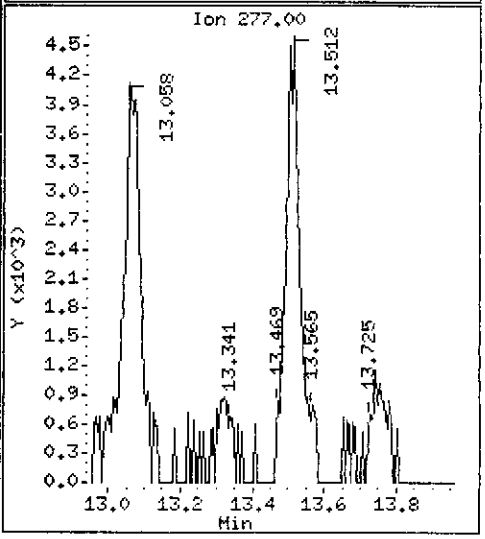


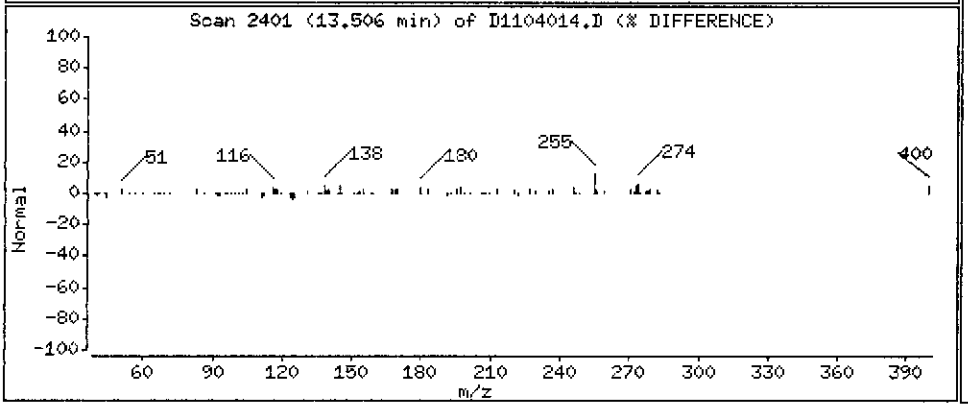




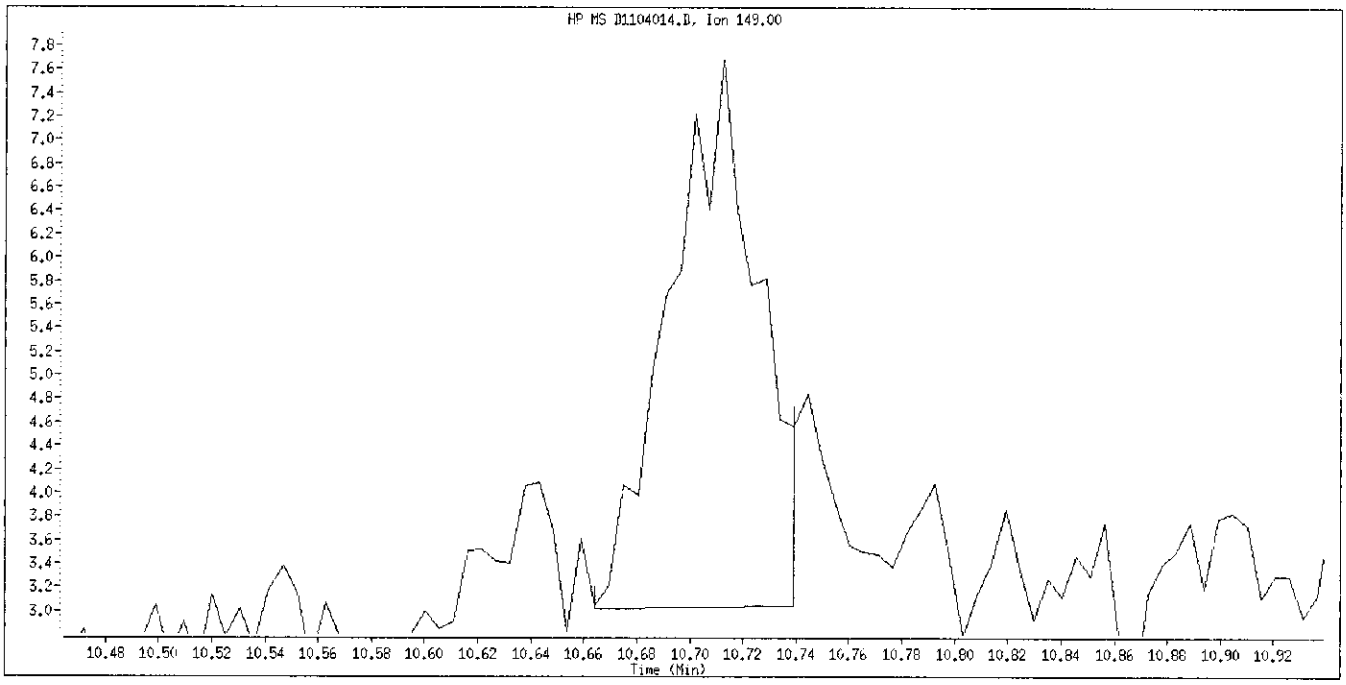




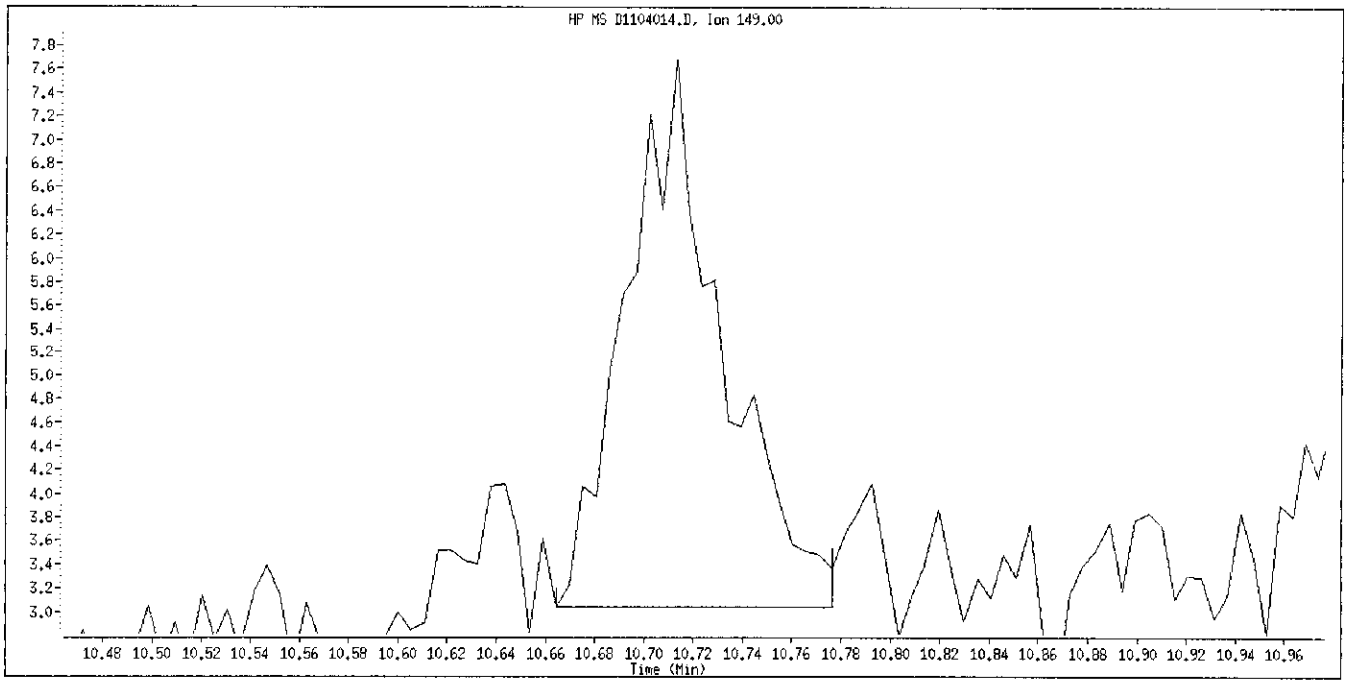




Data File Name: D1104014.D
Inj. Date and Time: 04-NOV-2010 16:54
Instrument ID: 732.i
Client ID: 20100837 SD10-01
Compound Name: Di-n-octylphthalate
CAS #: 117-84-0



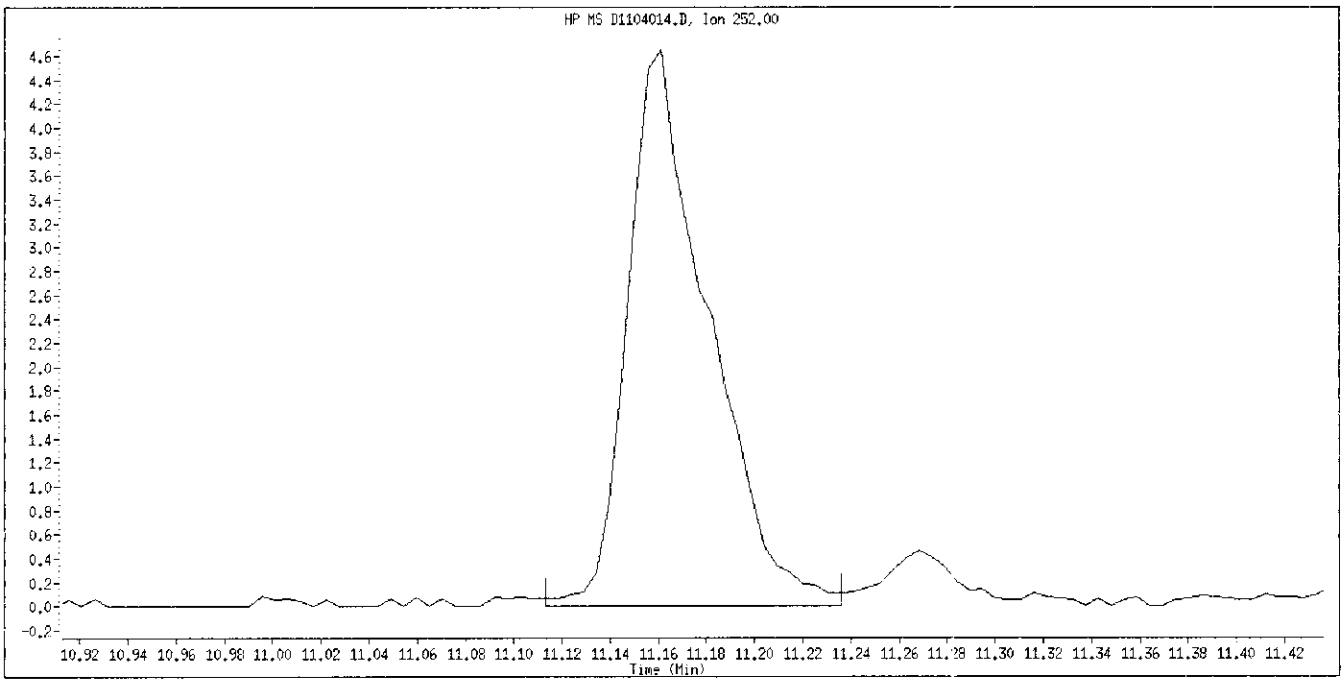
Original Integration



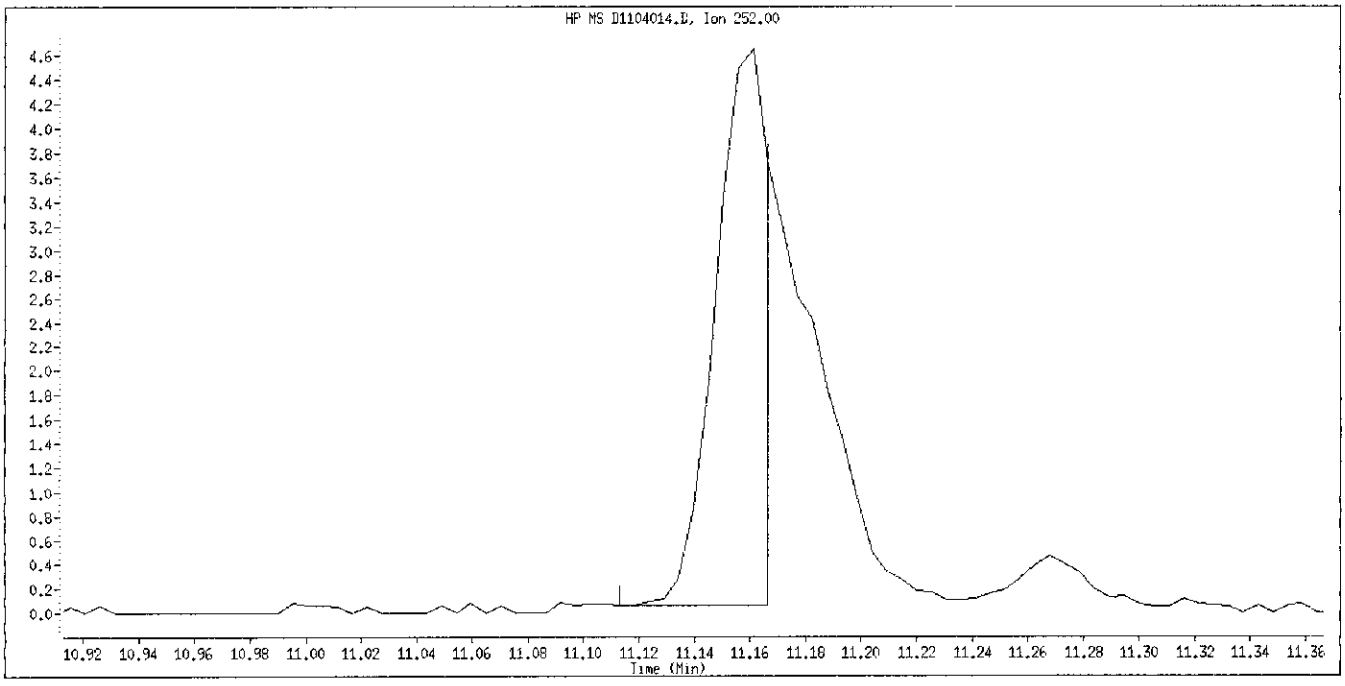
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Unknown

Data File Name: D1104014.D
Inj. Date and Time: 04-NOV-2010 16:54
Instrument ID: 732.i
Client ID: 20100837 SD10-01
Compound Name: Benzo(b)fluoranthene
CAS #: 205-99-2



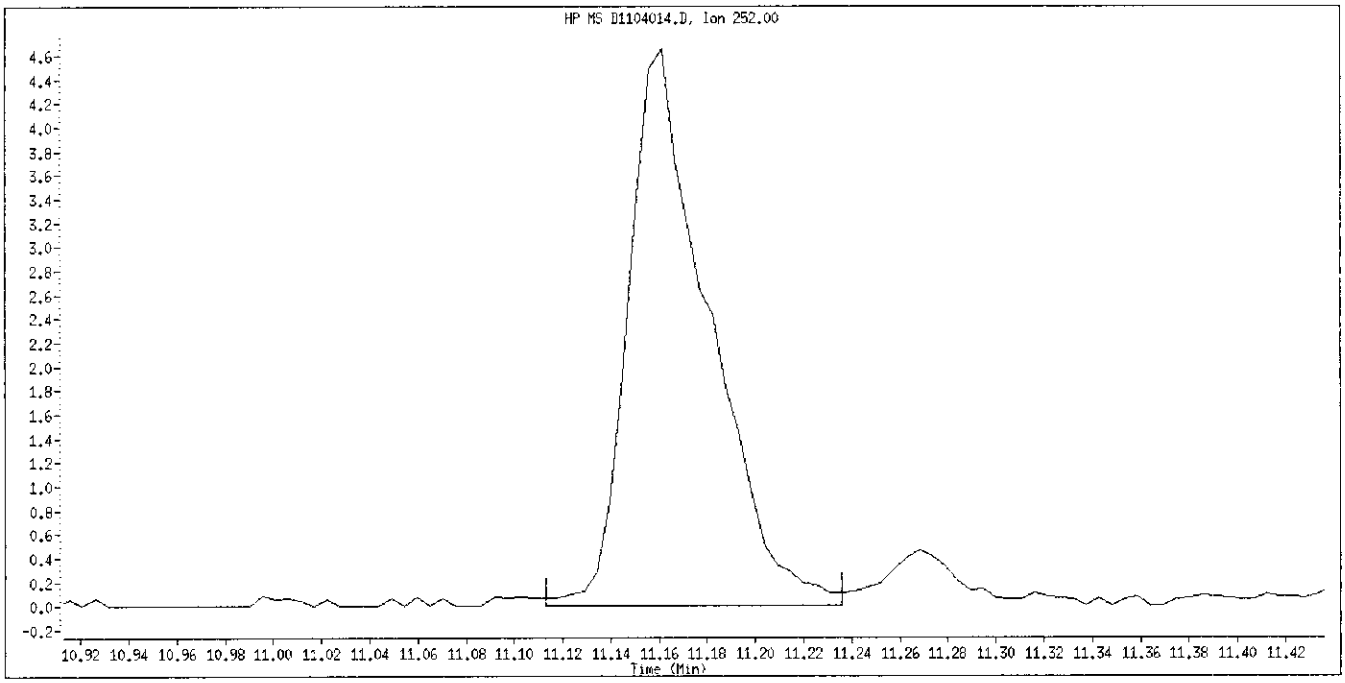
Original Integration



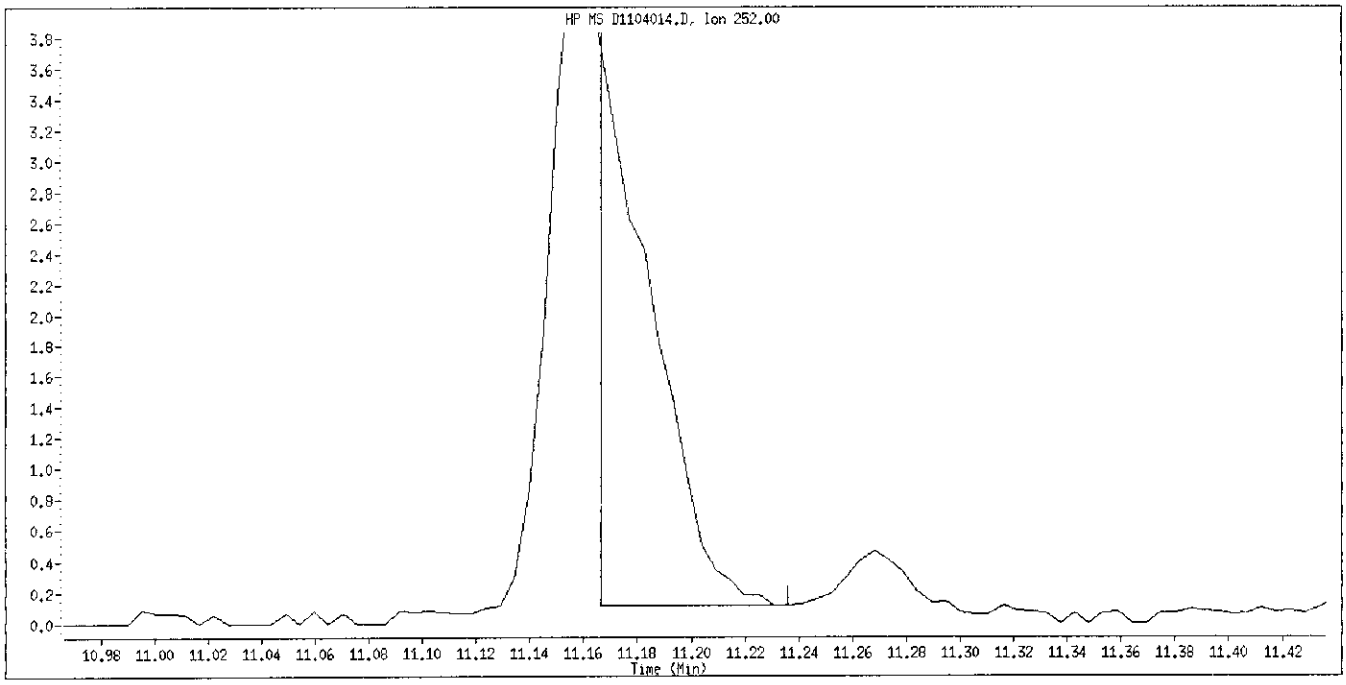
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1104014.D
Inj. Date and Time: 04-NOV-2010 16:54
Instrument ID: 732.i
Client ID: 20100837 SD10-01
Compound Name: Benzo(k)fluoranthene
CAS #: 207-08-9



Original Integration



Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Leo Brausch Consulting

Client Sample ID: 20100838 SD10-DUP

GC/MS Semivolatiles

Lot-Sample #...:	C0K030562-003	**Work Order #...:**	L9HH81AK	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308011
Prep Date.....:	11/04/10	**Analysis Date..:**	11/04/10		
Prep Batch #...:	0308035	**Analysis Time..:**	17:32		
Dilution Factor:	9.97	**Initial Wgt/Vol:**	30.1 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	78	**Analyst ID.....:**	430261	**Instrument ID..:**	732
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**53 J**	**300**	**ug/kg**	**29**
Acenaphthylene	ND	300	ug/kg	35
Acetophenone	ND	1500	ug/kg	120
Anthracene	**150 J**	**300**	**ug/kg**	**30**
Atrazine	ND	1500	ug/kg	150
Benzo(a)anthracene	**670**	**300**	**ug/kg**	**38**
Benzo(a)pyrene	**1500**	**300**	**ug/kg**	**30**
Benzo(b)fluoranthene	**1600**	**300**	**ug/kg**	**48**
Benzo(ghi)perylene	**1200**	**300**	**ug/kg**	**30**
Benzo(k)fluoranthene	**470**	**300**	**ug/kg**	**61**
Benzaldehyde	ND	1500	ug/kg	230
1,1'-Biphenyl	ND	1500	ug/kg	140
bis(2-Chloroethoxy) methane	ND	1500	ug/kg	100
bis(2-Chloroethyl)-ether	ND	300	ug/kg	41
bis(2-Ethylhexyl) phthalate	**960 J**	**1500**	**ug/kg**	**240**
4-Bromophenyl phenyl ether	ND	1500	ug/kg	130
Butyl benzyl phthalate	ND	1500	ug/kg	210
Caprolactam	ND	7700	ug/kg	1200
Carbazole	**120 J**	**300**	**ug/kg**	**28**
4-Chloroaniline	ND	1500	ug/kg	120
4-Chloro-3-methylphenol	ND	1500	ug/kg	140
2-Chloronaphthalene	ND	300	ug/kg	32
2-Chlorophenol	ND	1500	ug/kg	120
4-Chlorophenyl phenyl ether	ND	1500	ug/kg	170
Chrysene	**1100**	**300**	**ug/kg**	**36**
Dibenz(a,h)anthracene	ND	300	ug/kg	34
Dibenzofuran	ND	1500	ug/kg	150
3,3'-Dichlorobenzidine	ND	1500	ug/kg	160
2,4-Dichlorophenol	ND	300	ug/kg	30
Diethyl phthalate	ND	1500	ug/kg	170
2,4-Dimethylphenol	ND	1500	ug/kg	240
Dimethyl phthalate	ND	1500	ug/kg	160

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100838 SD10-DUP

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-003 **Work Order #...:** L9HH81AK **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	1500	ug/kg	190
4,6-Dinitro-2-methylphenol	ND	7700	ug/kg	610
2,4-Dinitrophenol	ND	7700	ug/kg	1800
2,4-Dinitrotoluene	ND	1500	ug/kg	120
2,6-Dinitrotoluene	ND	1500	ug/kg	160
Di-n-octyl phthalate	ND	1500	ug/kg	160
Fluoranthene	**1900**	**300**	**ug/kg**	**32**
Fluorene	ND	300	ug/kg	40
Hexachlorobenzene	ND	300	ug/kg	32
Hexachlorobutadiene	ND	300	ug/kg	34
Hexachlorocyclopentadiene	ND	1500	ug/kg	160
Hexachloroethane	ND	1500	ug/kg	110
Indeno(1,2,3-cd)pyrene	**1400**	**300**	**ug/kg**	**31**
Isophorone	ND	1500	ug/kg	110
2-Methylnaphthalene	ND	300	ug/kg	27
2-Methylphenol	ND	1500	ug/kg	110
4-Methylphenol	ND	1500	ug/kg	150
Naphthalene	ND	300	ug/kg	26
2-Nitroaniline	ND	7700	ug/kg	680
3-Nitroaniline	ND	7700	ug/kg	620
4-Nitroaniline	ND	7700	ug/kg	610
Nitrobenzene	ND	300	ug/kg	130
2-Nitrophenol	ND	1500	ug/kg	170
4-Nitrophenol	ND	7700	ug/kg	520
N-Nitrosodi-n-propylamine	ND	300	ug/kg	35
N-Nitrosodiphenylamine	ND	300	ug/kg	140
2,2'-oxybis (1-Chloropropane)	ND	300	ug/kg	33
Pentachlorophenol	ND	1500	ug/kg	140
Phenanthrene	**620**	**300**	**ug/kg**	**48**
Phenol	ND	300	ug/kg	36
Pyrene	**1400**	**300**	**ug/kg**	**31**
2,4,5-Trichlorophenol	ND	1500	ug/kg	160
2,4,6-Trichlorophenol	ND	1500	ug/kg	230

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100838 SD10-DUP

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-003 **Work Order #...:** L9HH81AK **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	NC,DIL	(27 - 110)
Terphenyl-d14	NC,DIL	(21 - 130)
2-Fluorobiphenyl	NC,DIL	(28 - 108)
2-Fluorophenol	NC,DIL	(28 - 107)
Phenol-d5	NC,DIL	(30 - 112)
2,4,6-Tribromophenol	NC,DIL	(21 - 116)

NOTE(S):

NC The recovery and/or RPD were not calculated.

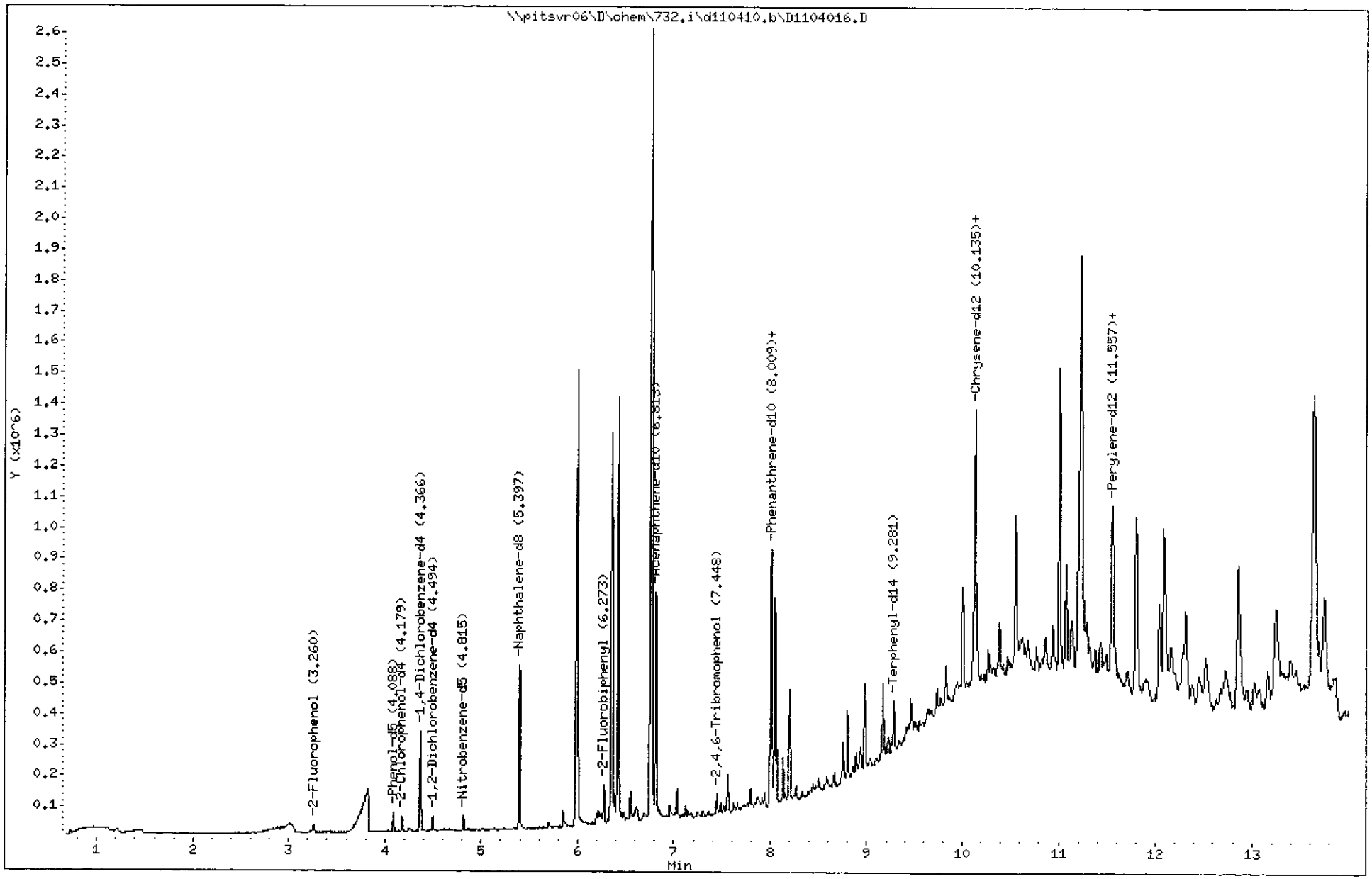
DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104016.D
Date : 04-NOV-2010 17:32
Client ID: 20100838 SD10-DUP
Sample Info: c0k030562-003 20x 11/04/10 sedS42(0308035)
Volume Injected (uL): 2.0
Column phase: DB5-MS

Instrument: 732.i
Operator: 430261nc
Column diameter: 0.32



C0K030562 1068 (1001 - 1489)

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d110410.b\D1104016.D
Lab Smp Id: l9hh81ak Client Smp ID: 20100838 SD10-DUP
Inj Date : 04-NOV-2010 17:32
Operator : 430261nc Inst ID: 732.i
Smp Info : c0k030562-003 20x 11/04/10 sedS42(0308035)
Misc Info : l9hh81ak,d110410.b,ll.m,3-root.sub
Comment :
Method : \\pitsvr06\D\chem\732.i\d110410.b\ll.m
Meth Date : 08-Nov-2010 18:58 campisin Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 18
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws)*1 * CpndVariable

Name	Value	Description
DF	20.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.100	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)
* 1	1,4-Dichlorobenzene-d4	152	4.371	4.382	(1.000)	50604	8.00000	
* 2	Naphthalene-d8	136	5.396	5.407	(1.000)	230908	8.00000	
* 3	Acenaphthene-d10	164	6.817	6.823	(1.000)	159363	8.00000	
* 4	Phenanthrene-d10	188	8.009	8.014	(1.000)	298778	8.00000	
* 5	Chrysene-d12	240	10.135	10.140	(1.000)	339393	8.00000	
* 6	Perylene-d12	264	11.556	11.556	(1.000)	338839	8.00000	
198	1,4-Dioxane	88	Compound Not Detected.					
10	N-Nitrosodimethylamine	74	Compound Not Detected.					
9	Pyridine	79	Compound Not Detected.					
16	Methyl methanesulfonate	80	Compound Not Detected.					
206	Benzaldehyde	77	Compound Not Detected.					
21	Aniline	93	Compound Not Detected.					
22	Phenol	94	Compound Not Detected.					
23	bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24	2-Chlorophenol	128	Compound Not Detected.					
26	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
28	1,2-Dichlorobenzene	146	Compound Not Detected.					
29	Benzyl Alcohol	108	Compound Not Detected.					
217	Indene	116	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)
30	2-Methylphenol	108	Compound Not Detected.					
31	2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
36	N-Nitrosopyrrolidine	100	Compound Not Detected.					
37	Acetophenone	105	Compound Not Detected.					
32	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192	4-Methylphenol	108	Compound Not Detected.					
34	Hexachloroethane	117	Compound Not Detected.					
35	Nitrobenzene	77	Compound Not Detected.					
41	Isophorone	82	Compound Not Detected.					
42	2-Nitrophenol	139	Compound Not Detected.					
43	2,4-Dimethylphenol	107	Compound Not Detected.					
44	bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48	2,4-Dichlorophenol	162	Compound Not Detected.					
49	Benzoic Acid	122	Compound Not Detected.					
50	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51	Naphthalene	128	Compound Not Detected.					
52	4-Chloroaniline	127	Compound Not Detected.					
54	2,6-Dichlorophenol	162	Compound Not Detected.					
56	Hexachlorobutadiene	224	Compound Not Detected.					
208	Caprolactam	113	Compound Not Detected.					
59	4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62	2-Methylnaphthalene	142	Compound Not Detected.					
63	1-Methylnaphthalene	142	Compound Not Detected.					
64	Hexachlorocyclopentadiene	236	Compound Not Detected.					
65	1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66	2,4,6-Trichlorophenol	196	Compound Not Detected.					
67	2,4,5-Trichlorophenol	196	Compound Not Detected.					
209	1,1'-Biphenyl	154	Compound Not Detected.					
70	2-Chloronaphthalene	162	Compound Not Detected.					
73	2-Nitroaniline	65	Compound Not Detected.					
76	Dimethylphthalate	163	Compound Not Detected.					
78	2,6-Dinitrotoluene	165	Compound Not Detected.					
79	Acenaphthylene	152	Compound Not Detected.					
81	3-Nitroaniline	138	Compound Not Detected.					
82	Acenaphthene	153	6.839	6.850	(1.003)	1449	0.07059	11.727(Q)
83	2,4-Dinitrophenol	184	Compound Not Detected.					
85	4-Nitrophenol	109	Compound Not Detected.					
86	Dibenzofuran	168	6.978	6.989	(1.024)	1824	0.05854	9.7248
87	2,4-Dinitrotoluene	165	Compound Not Detected.					
91	2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88	2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92	2-Naphthylamine	143	Compound Not Detected.					
93	Diethylphthalate	149	Compound Not Detected.					
94	Fluorene	166	Compound Not Detected.					
95	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96	4-Nitroaniline	138	Compound Not Detected.					
98	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99	N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100	1,2-Diphenylhydrazine	77	Compound Not Detected.					
106	4-Bromophenyl-phenylether	248	Compound Not Detected.					
107	Hexachlorobenzene	283	Compound Not Detected.					
210	Atrazine	200	Compound Not Detected.					
111	Pentachlorophenol	265	Compound Not Detected.					
115	Phenanthrene	178	8.025	8.030	(1.002)	34087	0.81549	135.46

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
116 Anthracene	178	8.068	8.073	(1.007)	7967	0.19466	32.335
119 Carbazole	167	8.190	8.196	(1.023)	5948	0.15359	25.513(M)
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	8.981	8.987	(1.121)	107545	2.45381	407.61
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	9.163	9.168	(0.904)	92747	1.80245	299.41
131 Butylbenzylphthalate	149	9.660	9.665	(0.953)	4607	0.20084	33.363(Q)
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	10.130	10.130	(0.999)	39429	0.89256	148.26
137 Chrysene	228	10.162	10.162	(1.003)	69532	1.43239	237.94
139 bis(2-ethylhexyl)Phthalate	149	10.119	10.124	(0.998)	37807	1.27346	211.54
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	11.129	11.129	(0.963)	104648	2.05667	341.64(M)
142 Benzo(k)fluoranthene	252	11.150	11.155	(0.965)	34655	0.62716	104.18(QM)
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	11.492	11.497	(0.994)	54200	1.98792	330.22
149 Indeno(1,2,3-cd)pyrene	276	13.014	13.020	(1.126)	51906	1.79083	297.48
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	13.453	13.458	(1.164)	62904	1.55958	259.07
$ 154 Nitrobenzene-d5	82	4.814	4.825	(0.892)	12989	1.64651	273.51
$ 155 2-Fluorobiphenyl	172	6.273	6.283	(0.920)	31772	1.49160	247.77
$ 156 Terphenyl-d14	244	9.280	9.280	(0.916)	37250	1.22558	203.58
$ 157 Phenol-d5	99	4.088	4.098	(0.935)	16231	2.00071	332.34
$ 158 2-Fluorophenol	112	3.260	3.281	(0.746)	9494	1.72981	287.34
$ 159 2,4,6-Tribromophenol	330	7.448	7.453	(0.930)	5781	1.83524	304.86
$ 186 2-Chlorophenol-d4	132	4.178	4.195	(0.956)	14111	1.79780	298.64
$ 187 1,2-Dichlorobenzene-d4	152	4.494	4.504	(1.028)	6825	1.11745	185.62

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104016.D

Date : 04-NOV-2010 17:32

Client ID: 20100838 SD10-DUP

Instrument: 732.i

Sample Info: c0k030562-003 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

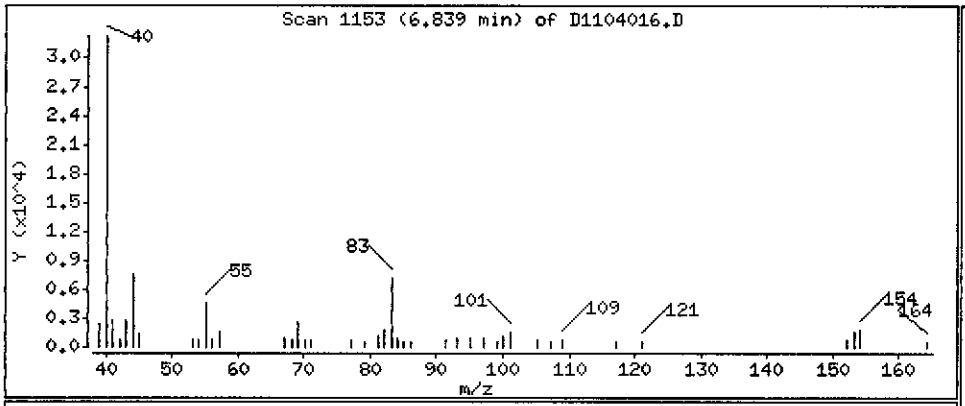
Operator: 430261nc

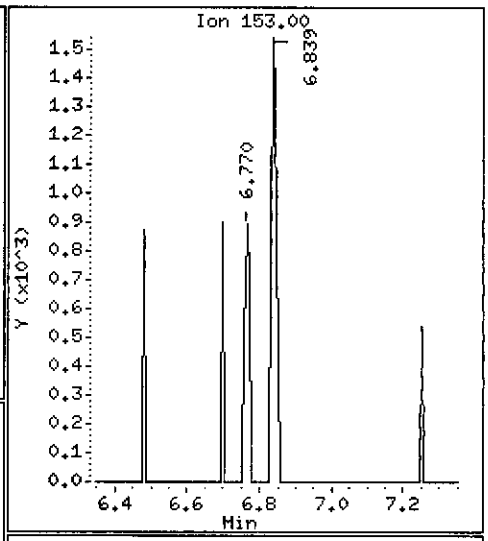
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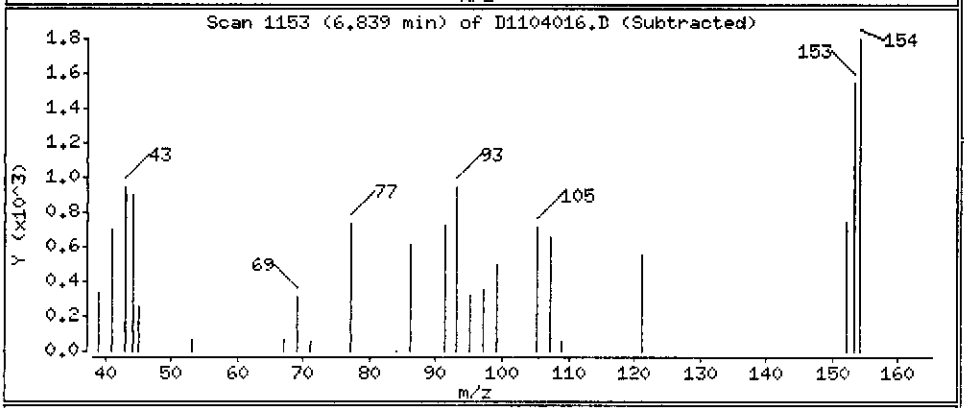
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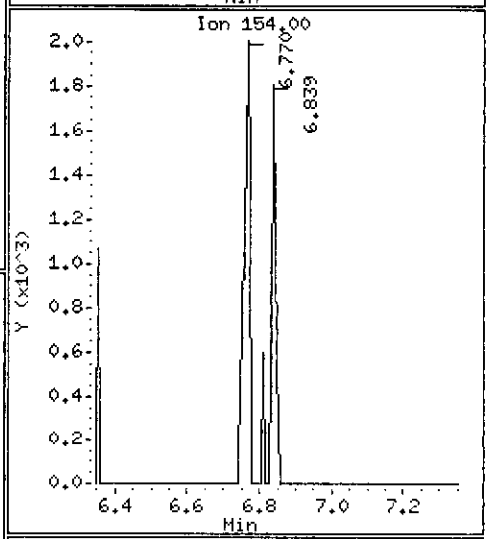
82 Acenaphthene

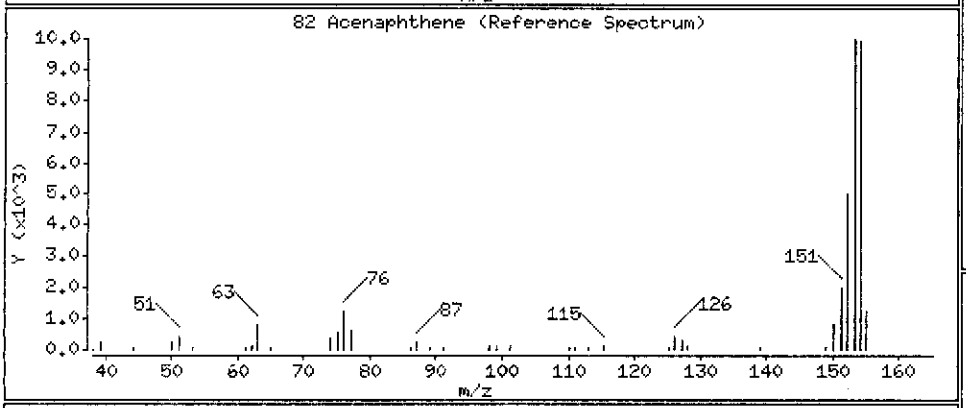
Concentration: 11.727 ug/kg

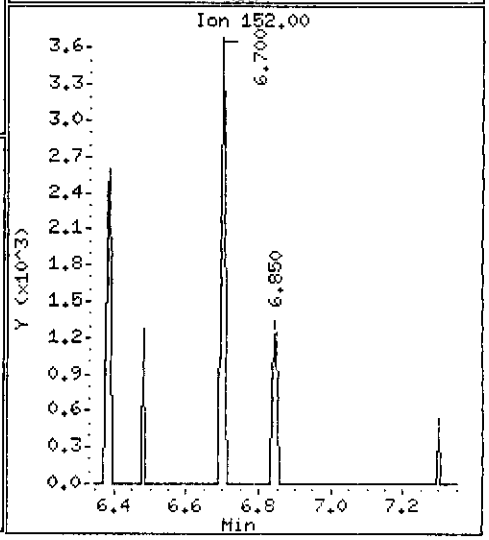


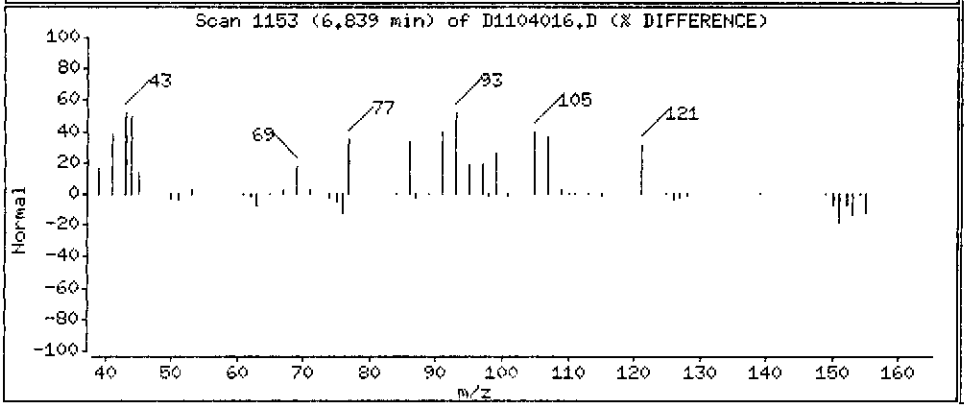












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104016.D

Date : 04-NOV-2010 17:32

Client ID: 20100838 SD10-DUP

Instrument: 732.i

Sample Info: c0k030562-003 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

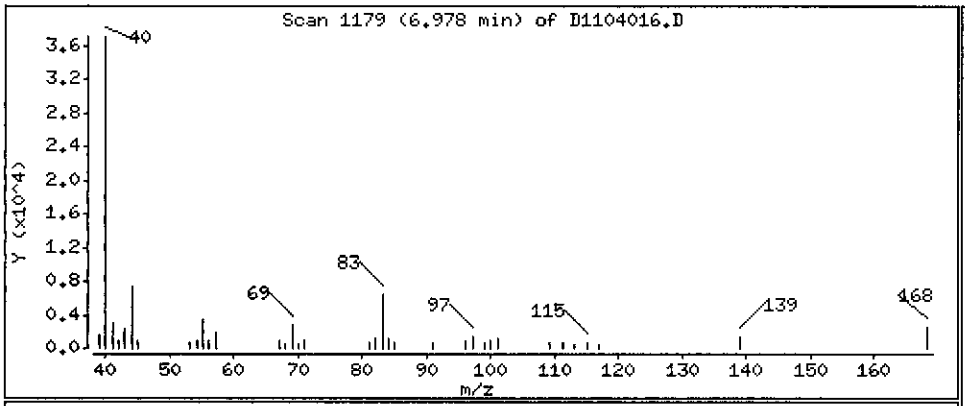
Operator: 430261nc

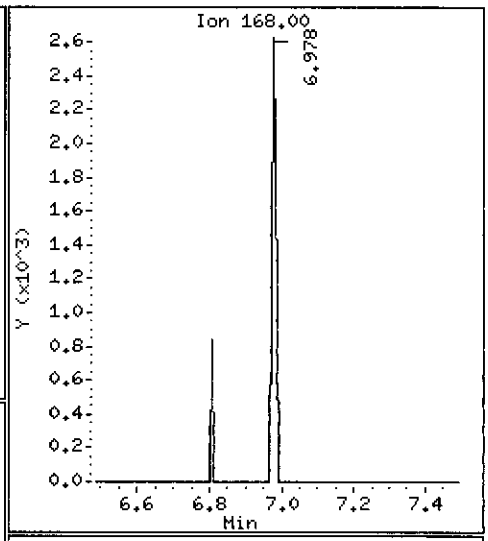
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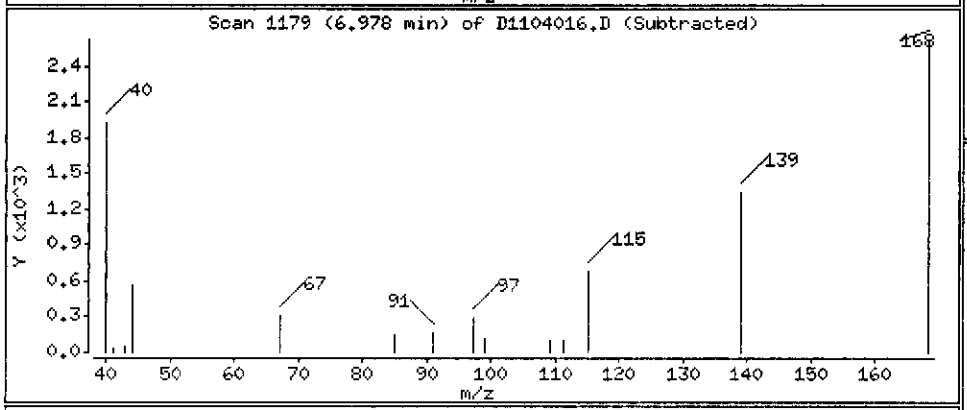
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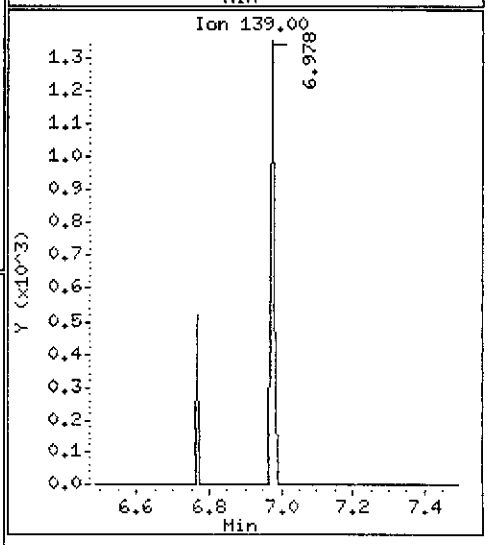
86 Dibenzofuran

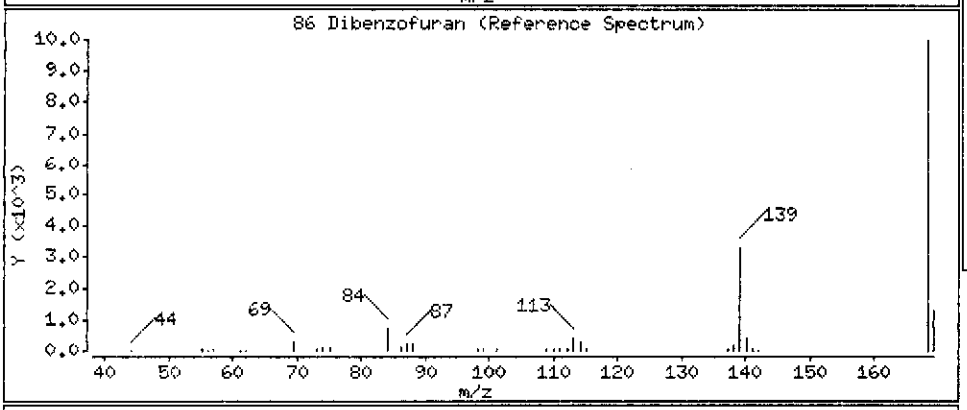
Concentration: 9.7248 ug/kg

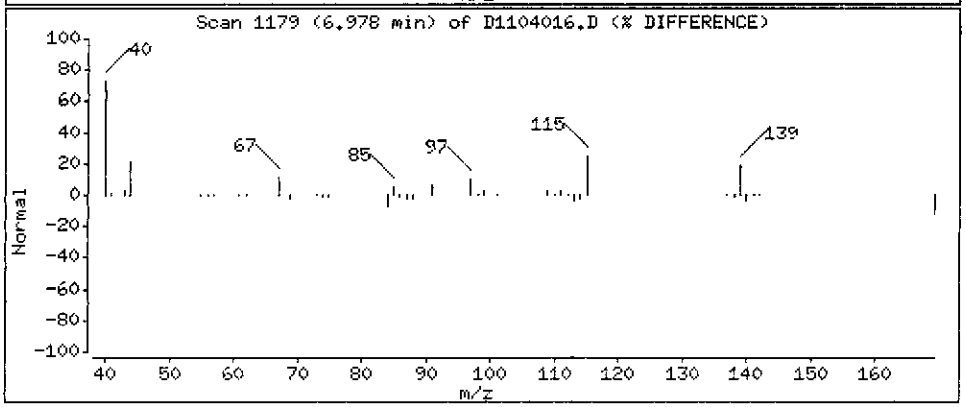












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104016.D

Date : 04-NOV-2010 17:32

Client ID: 20100838 SD10-DUP

Instrument: 732.i

Sample Info: c0k030562-003 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

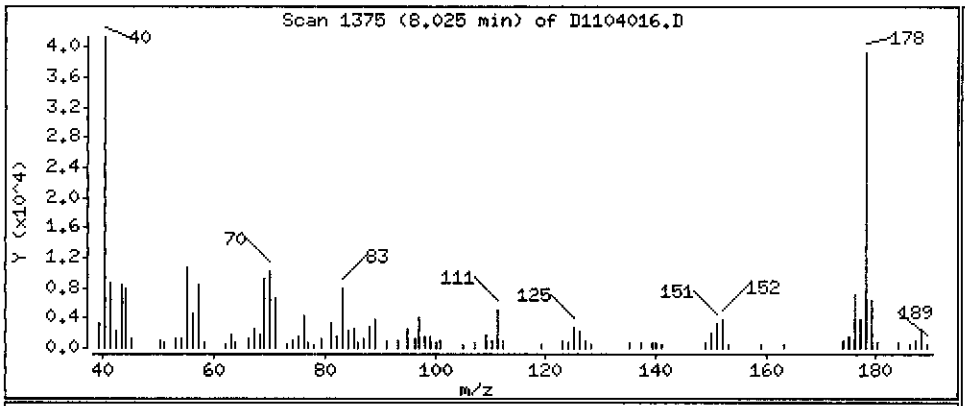
Operator: 430261nc

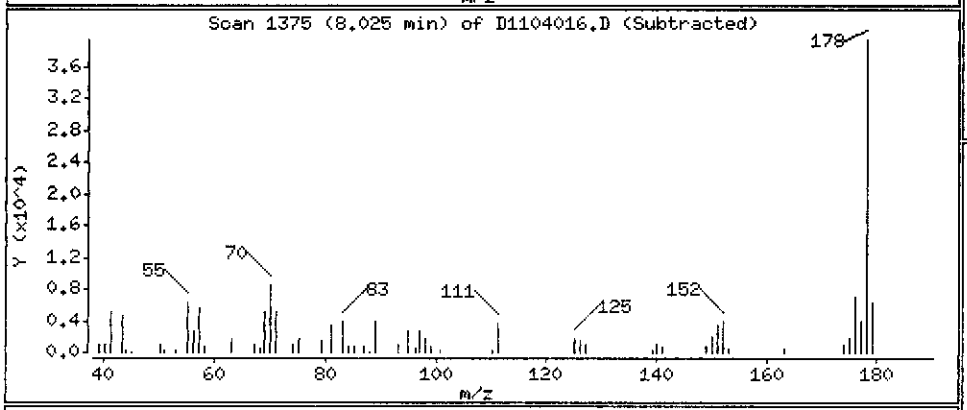
Column phase: DB5-MS

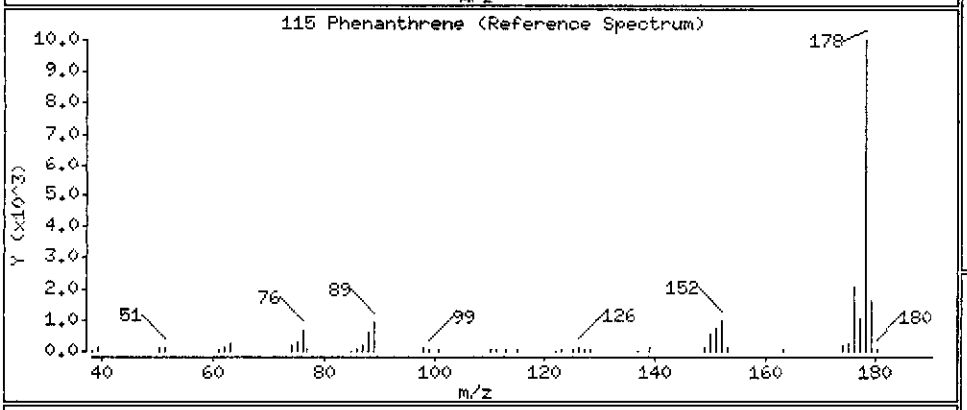
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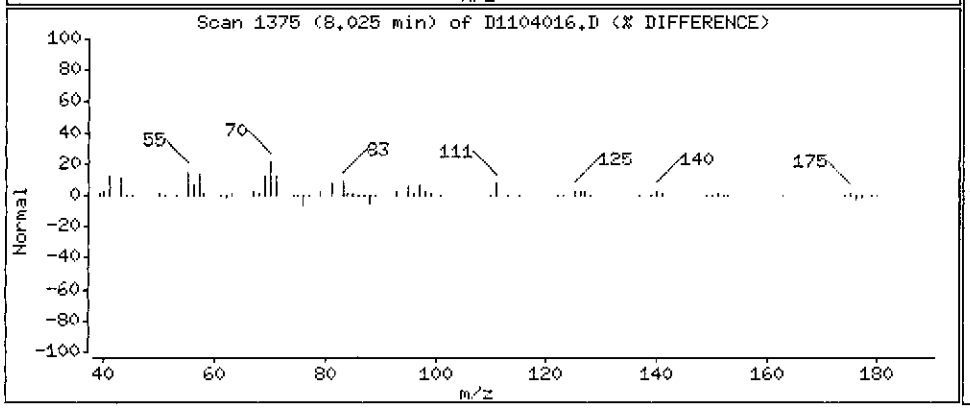
115 Phenanthrene

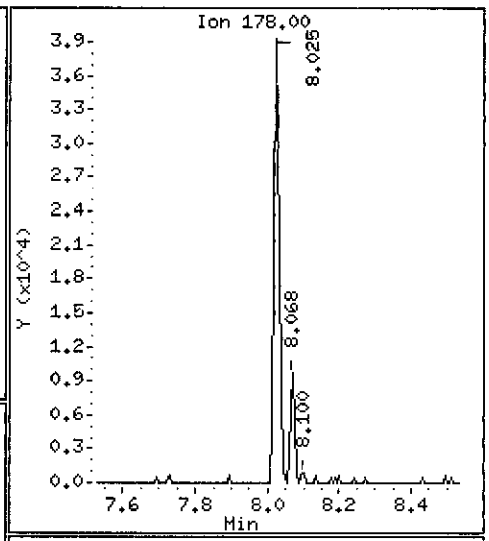
Concentration: 135.46 ug/kg

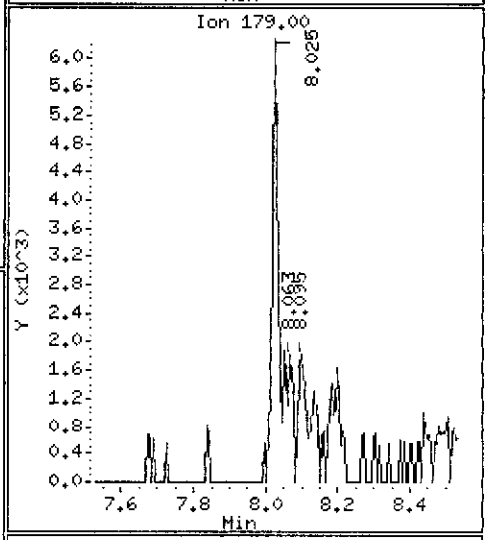


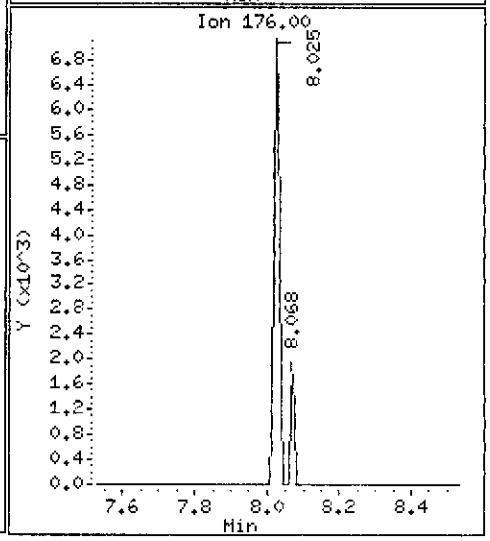












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104016.D

Date : 04-NOV-2010 17:32

Client ID: 20100838 SD10-DUP

Instrument: 732.i

Sample Info: c0k030562-003 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

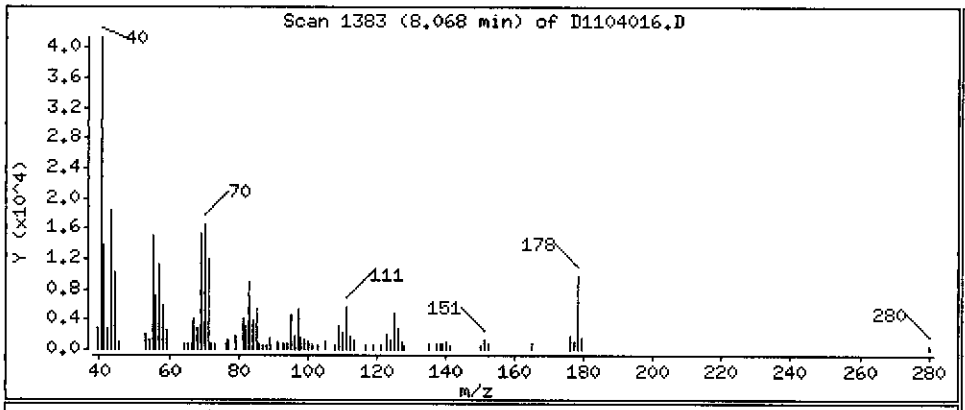
Operator: 430261nc

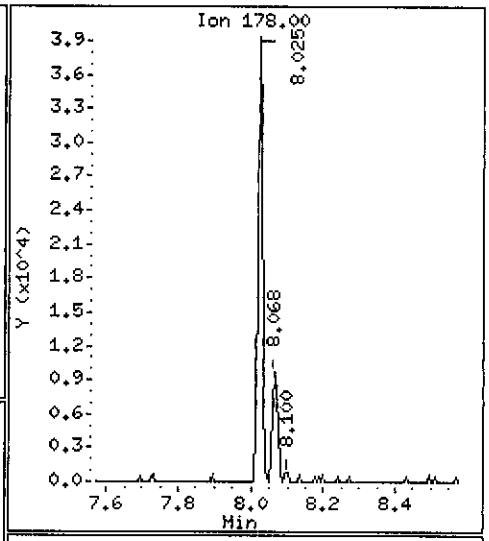
Column phase: DB5-MS

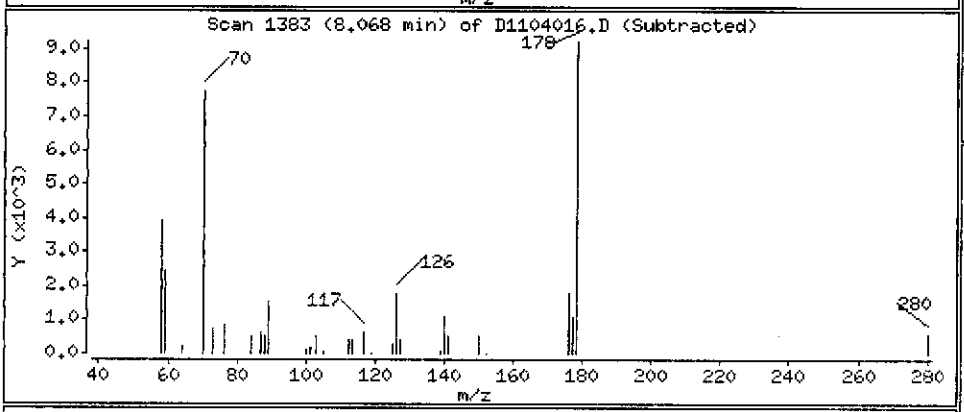
Column diameter: 0.32

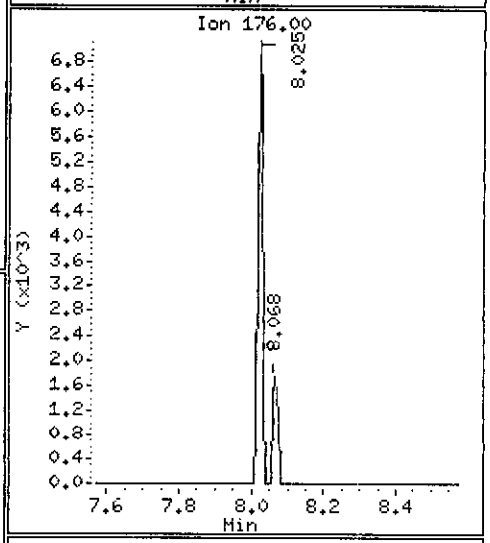
116 Anthracene

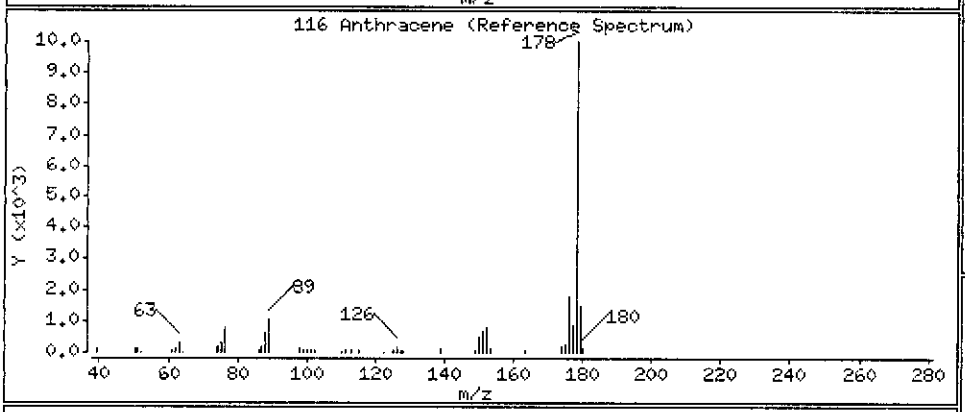
Concentration: 32.335 ug/kg

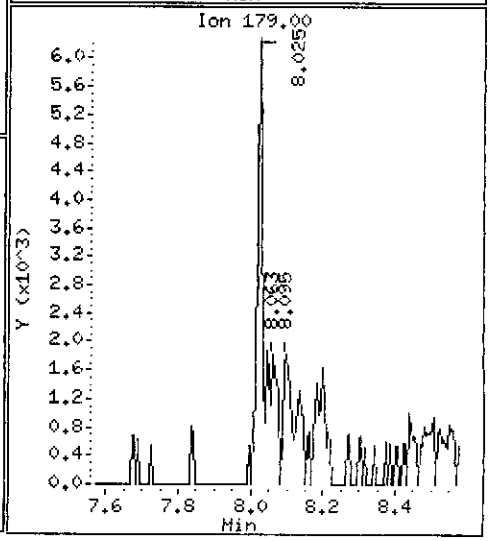


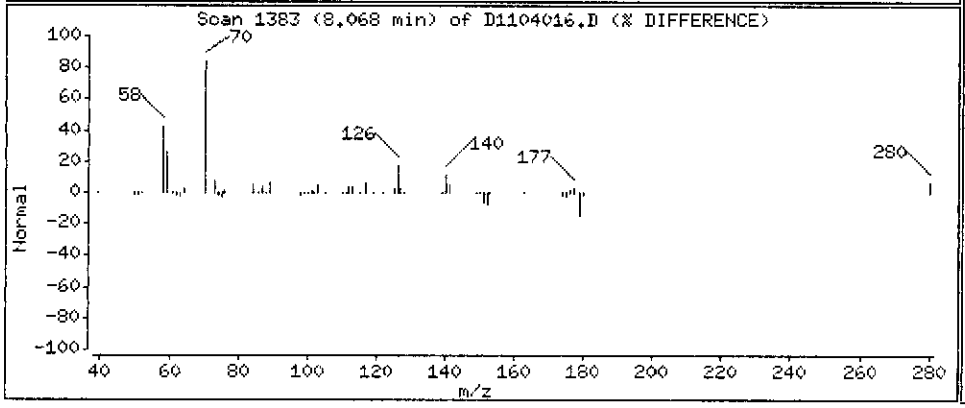












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104016.D

Date : 04-NOV-2010 17:32

Client ID: 20100838 SD10-DUP

Instrument: 732.i

Sample Info: c0k030562-003 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

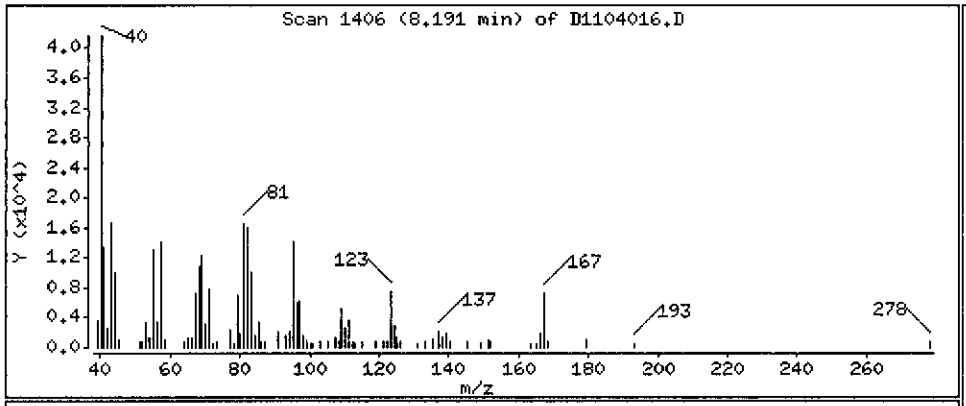
Operator: 430261nc

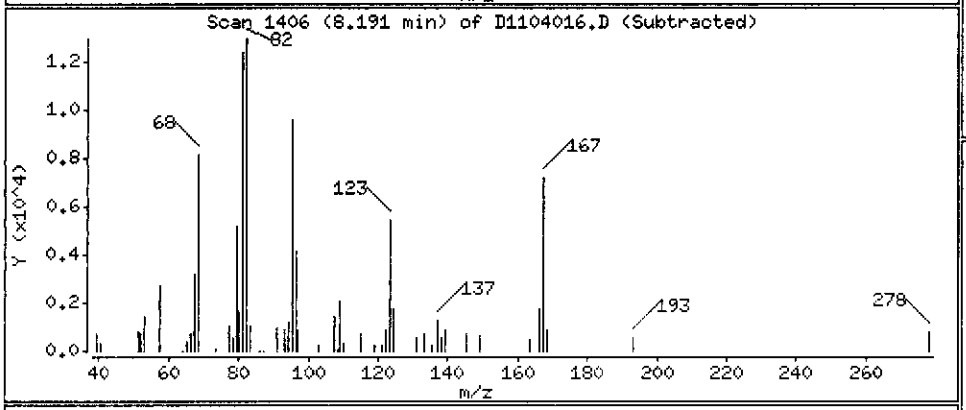
Column phase: DB5-MS

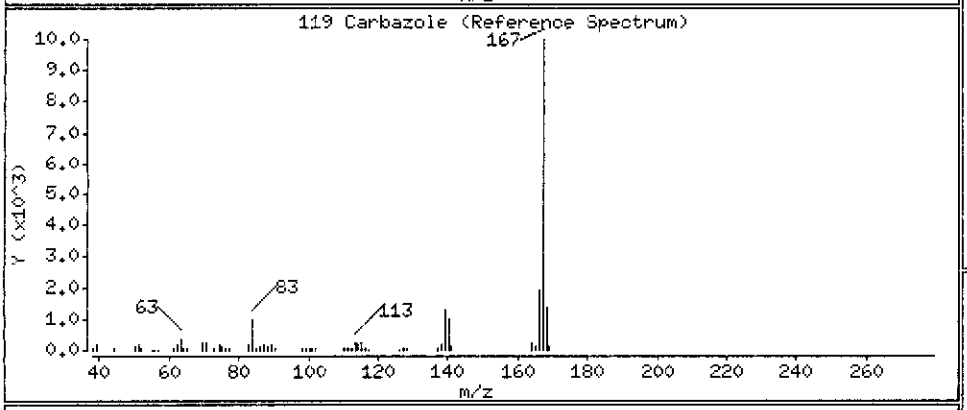
Column diameter: 0.32

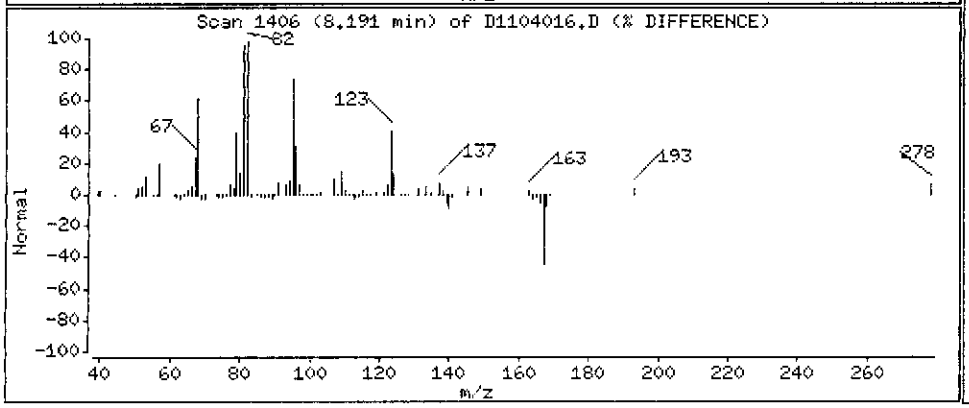
119 Carbazole

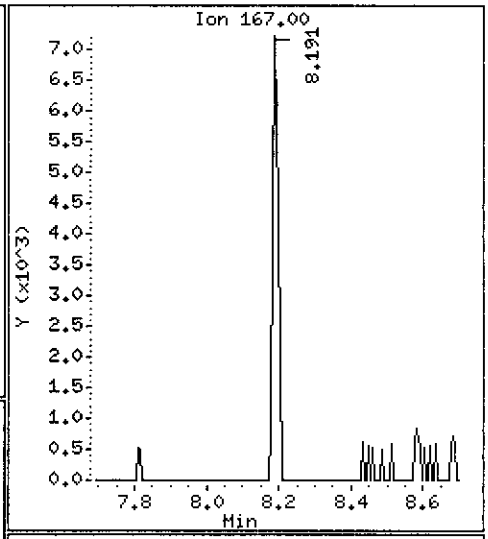
Concentration: 25.513 ug/kg

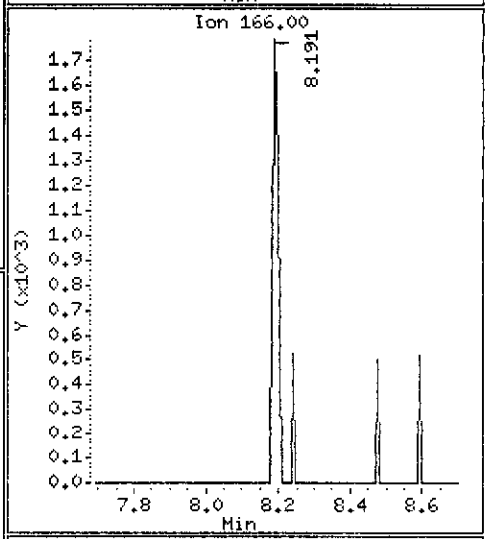


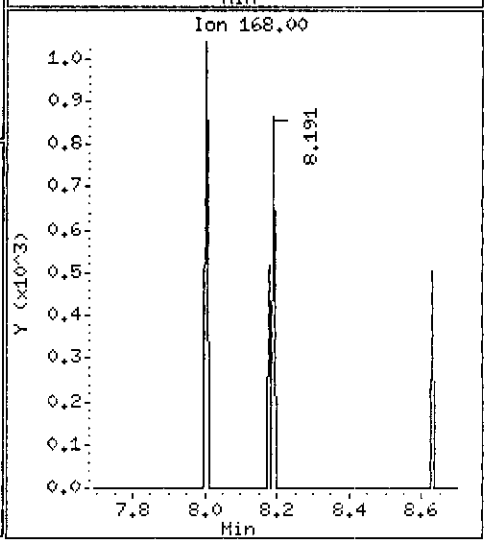












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104016.D

Date : 04-NOV-2010 17:32

Client ID: 20100838 SD10-DUP

Instrument: 732.i

Sample Info: c0k030562-003 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

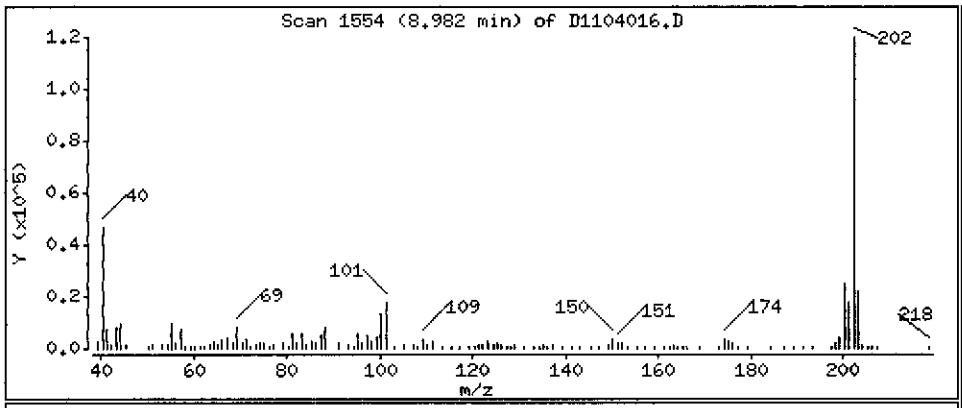
Operator: 430261nc

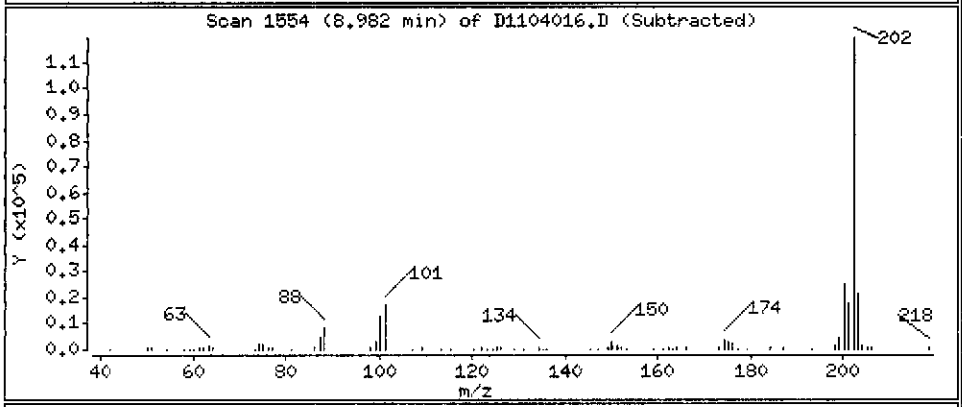
Column phase: DB5-MS

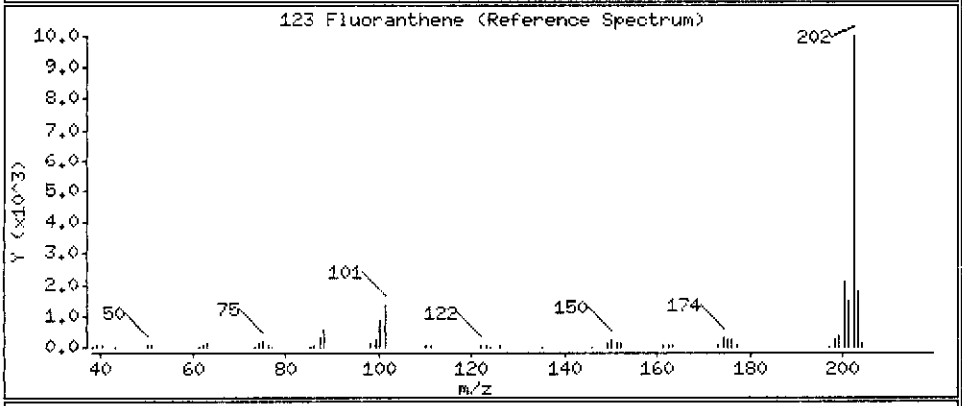
Column diameter: 0.32

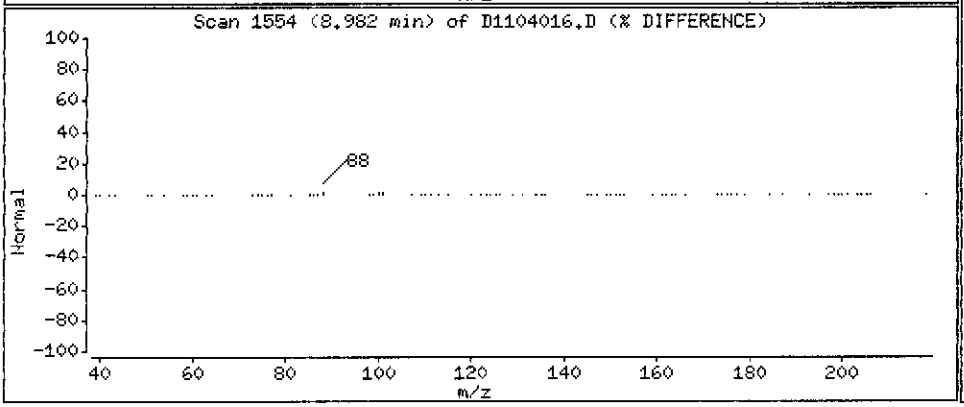
123 Fluoranthene

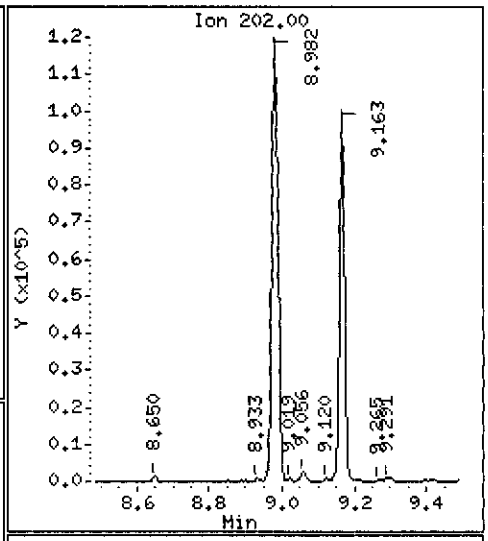
Concentration: 407.61 ug/kg

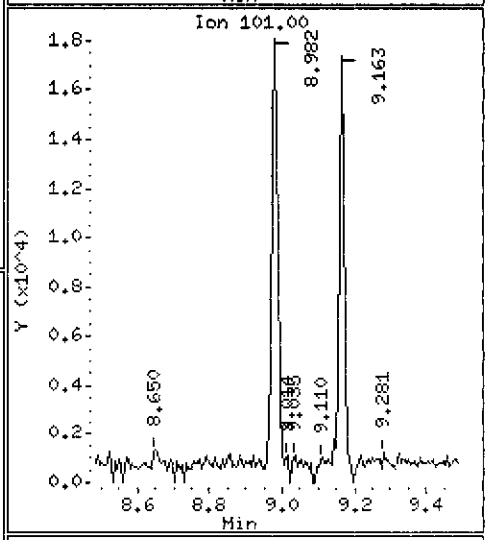


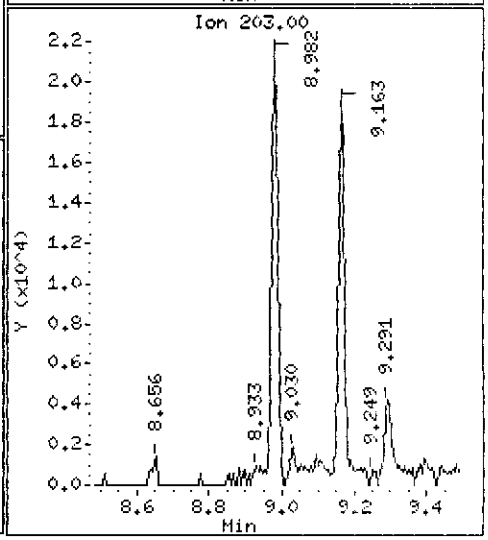












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104016.D

Date : 04-NOV-2010 17:32

Client ID: 20100838 SD10-DUP

Instrument: 732.i

Sample Info: c0k030562-003 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

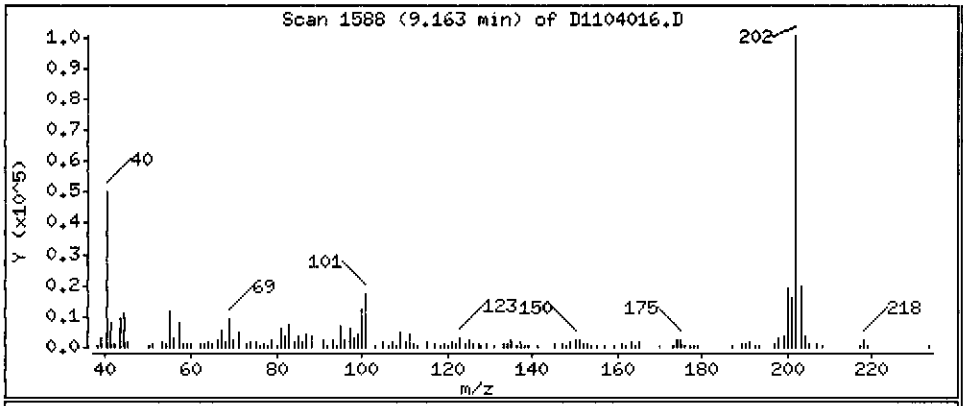
Operator: 430261nc

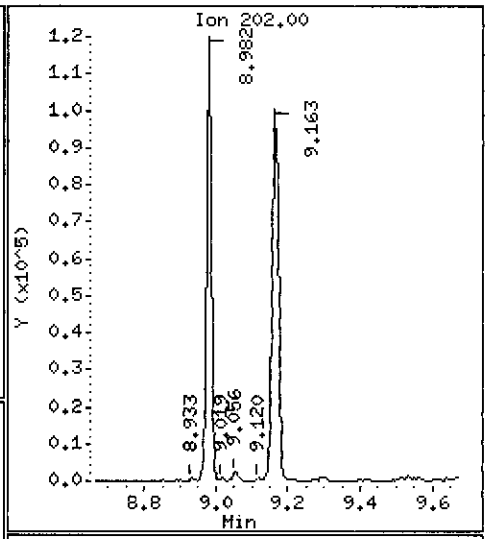
Column phase: DB5-MS

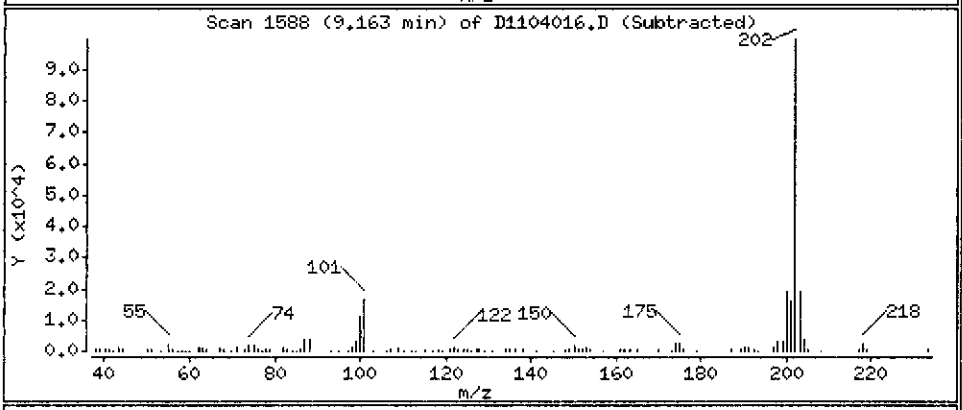
Column diameter: 0.32

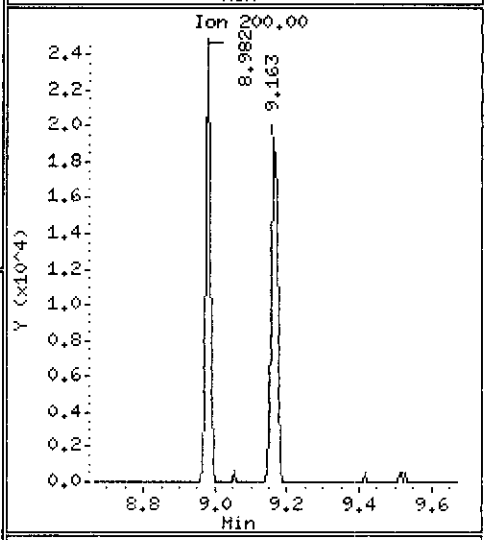
125 Pyrene

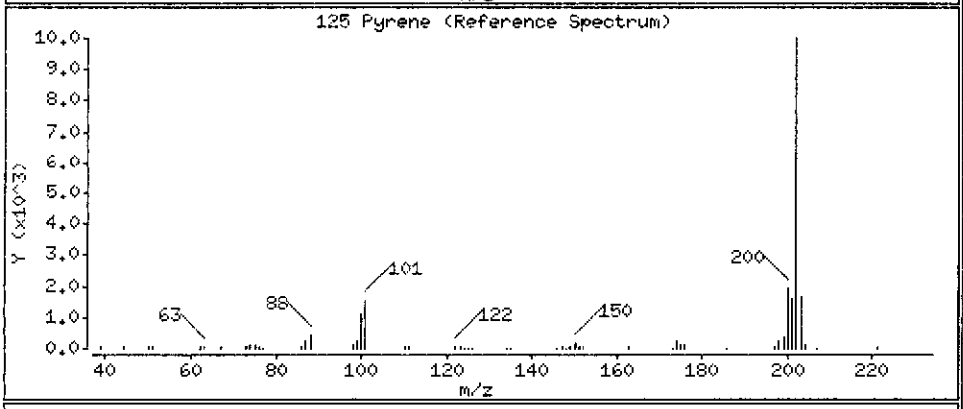
Concentration: 299.41 ug/kg

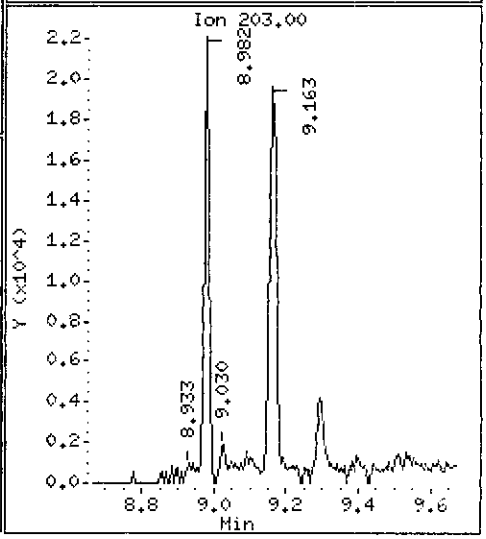


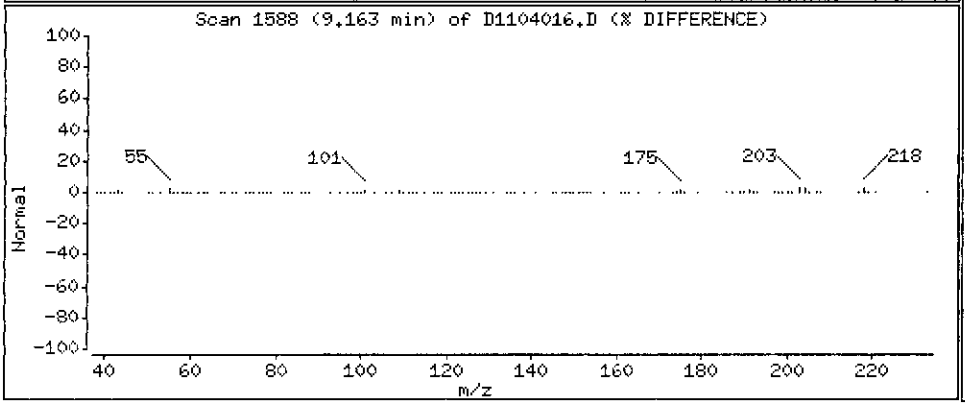












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104016.D

Date : 04-NOV-2010 17:32

Client ID: 20100838 SD10-DUP

Instrument: 732.i

Sample Info: c0k030562-003 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

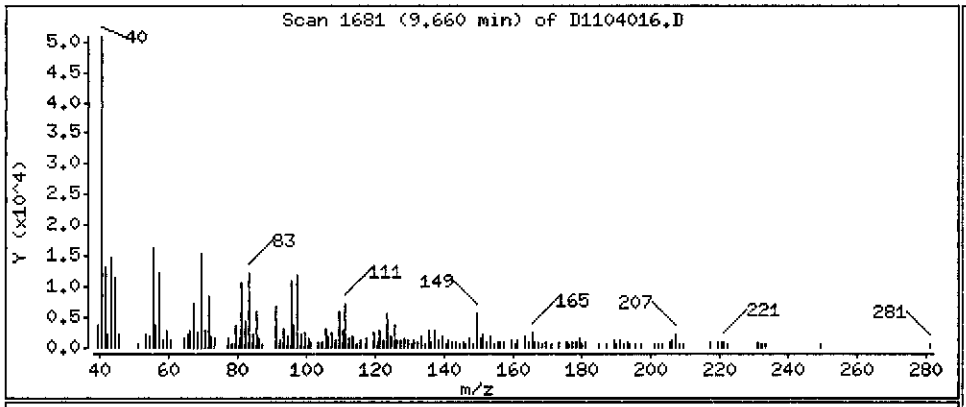
Operator: 430261nc

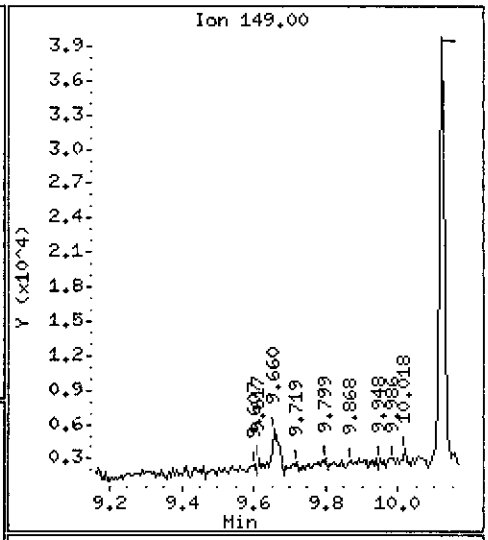
Column phase: DB5-MS

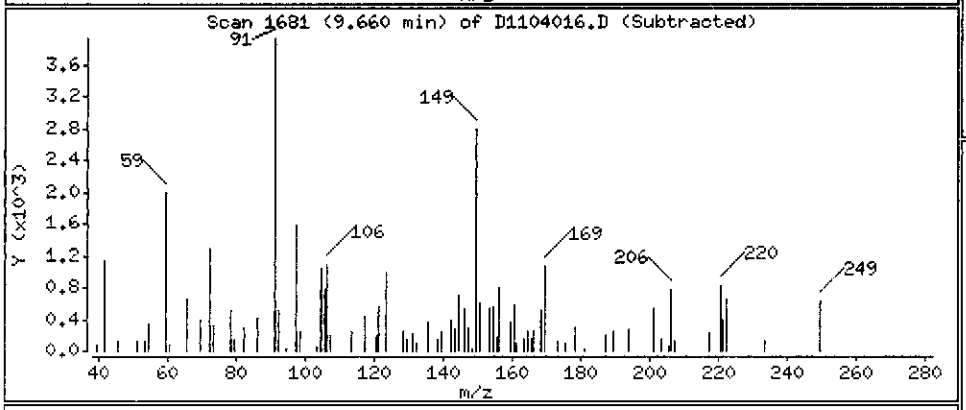
Column diameter: 0.32

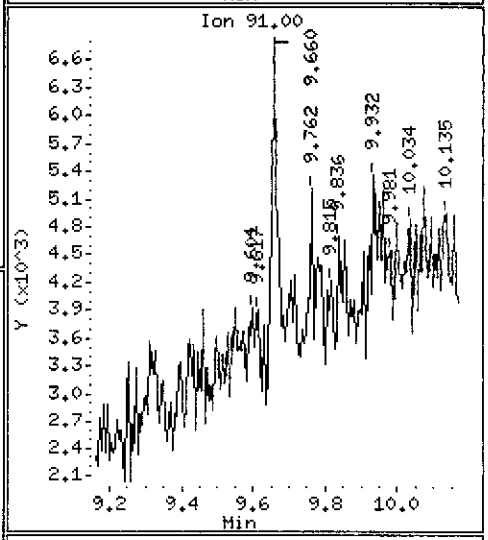
131 Butylbenzylphthalate

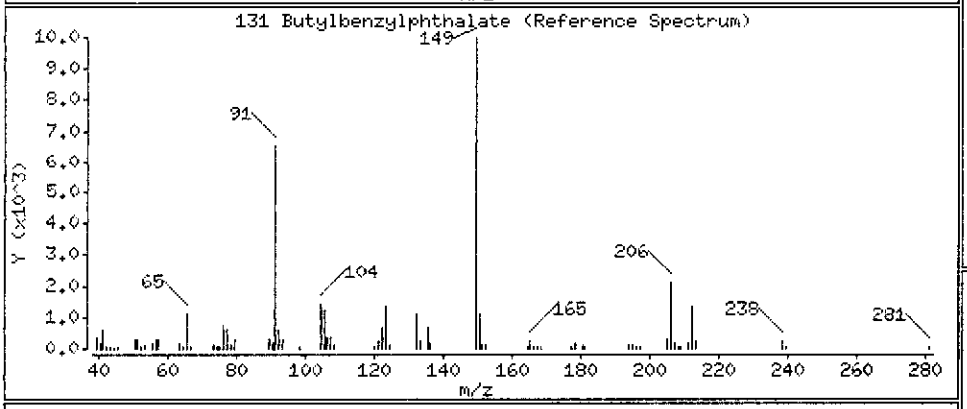
Concentration: 33.363 ug/kg

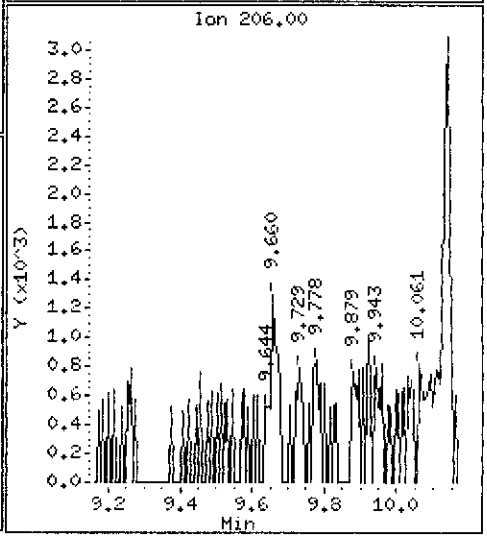


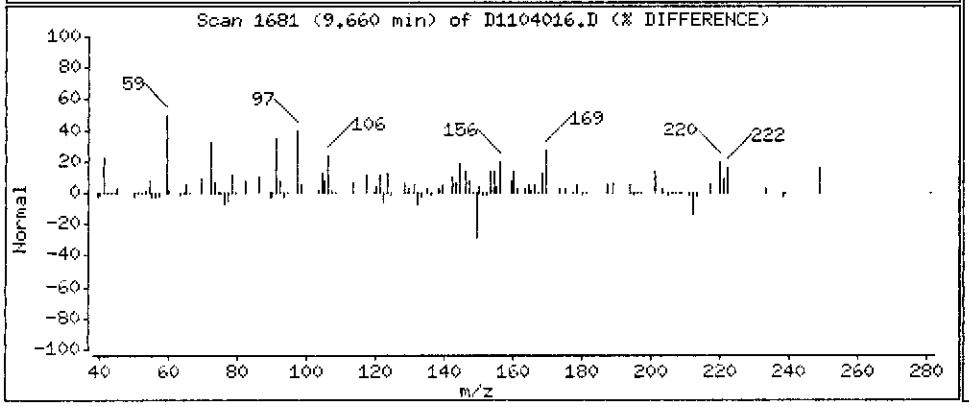












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104016.D

Date : 04-NOV-2010 17:32

Client ID: 20100838 SD10-DUP

Instrument: 732.i

Sample Info: c0k030562-003 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

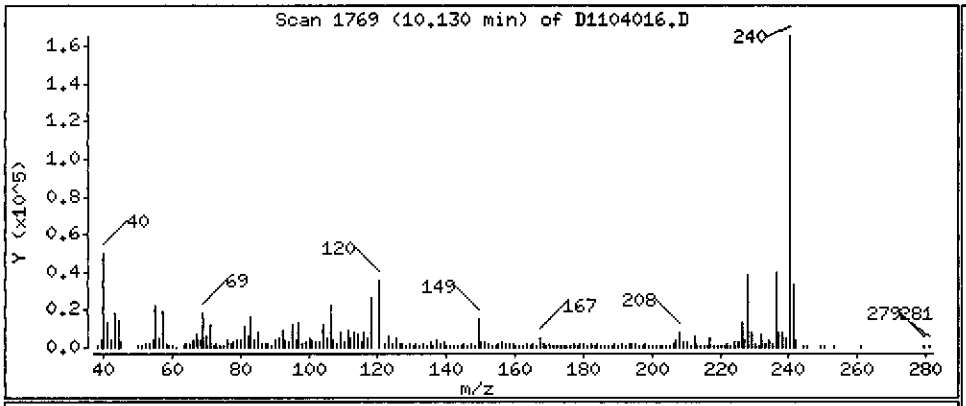
Operator: 430261nc

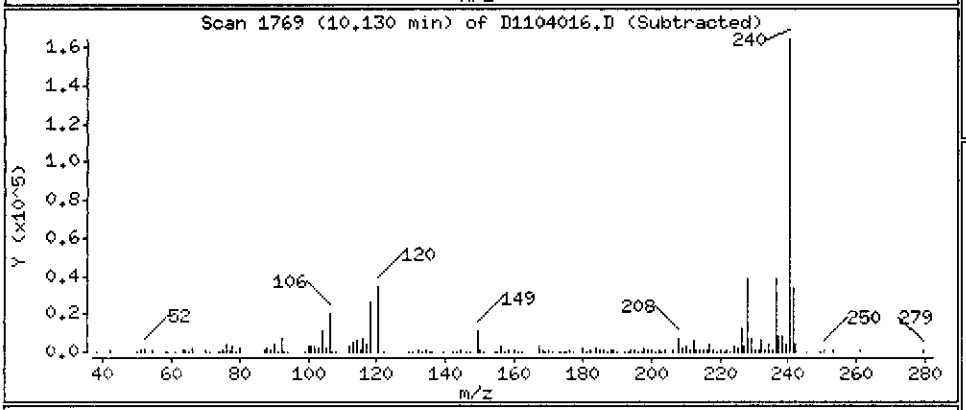
Column phase: DB5-MS

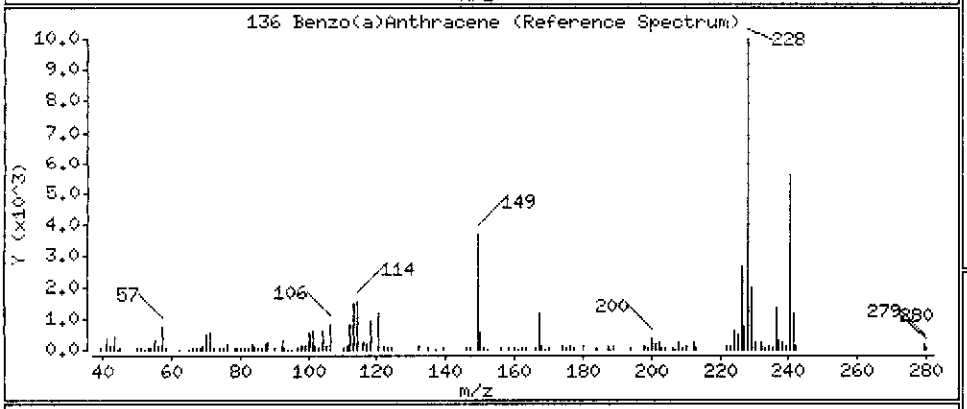
Column diameter: 0.32

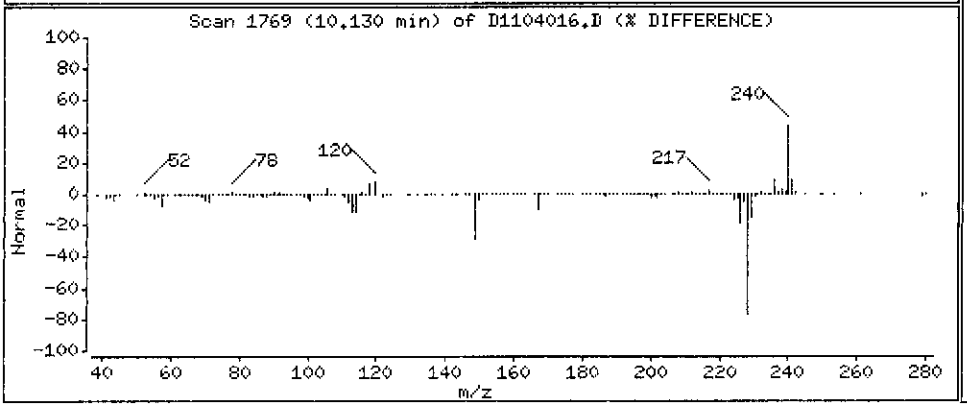
136 Benzo(a)Anthracene

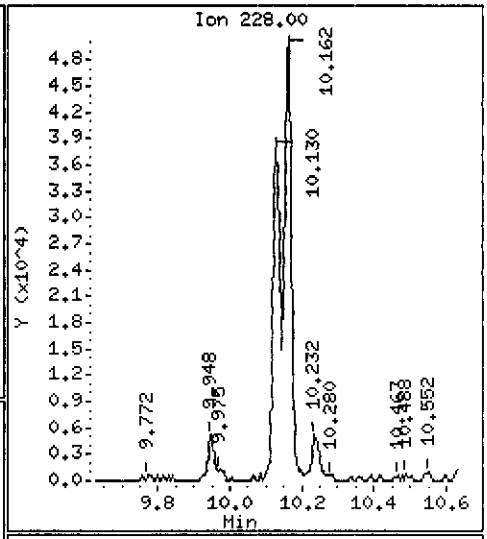
Concentration: 148.26 ug/kg

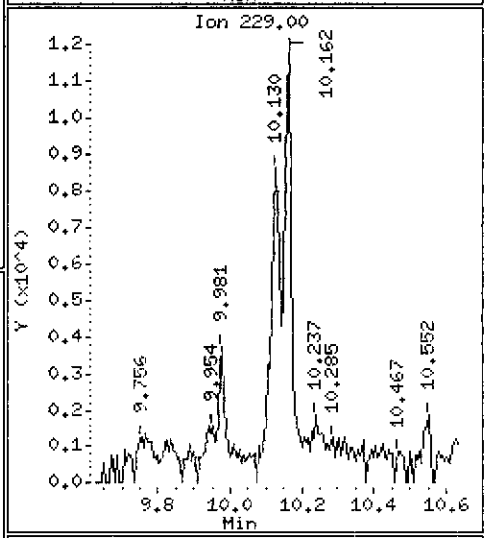


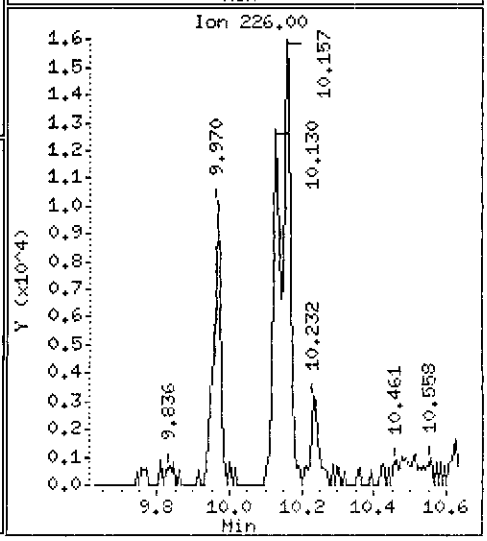












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104016.D

Date : 04-NOV-2010 17:32

Client ID: 20100838 SD10-DUP

Instrument: 732.i

Sample Info: c0k030562-003 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

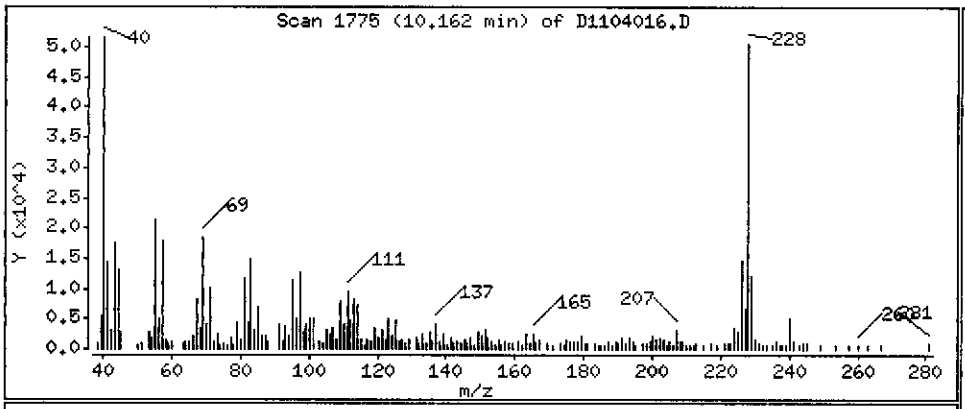
Operator: 430261nc

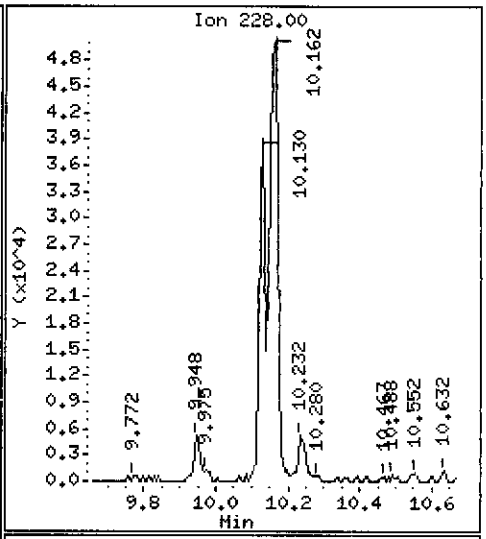
Column phase: DB5-MS

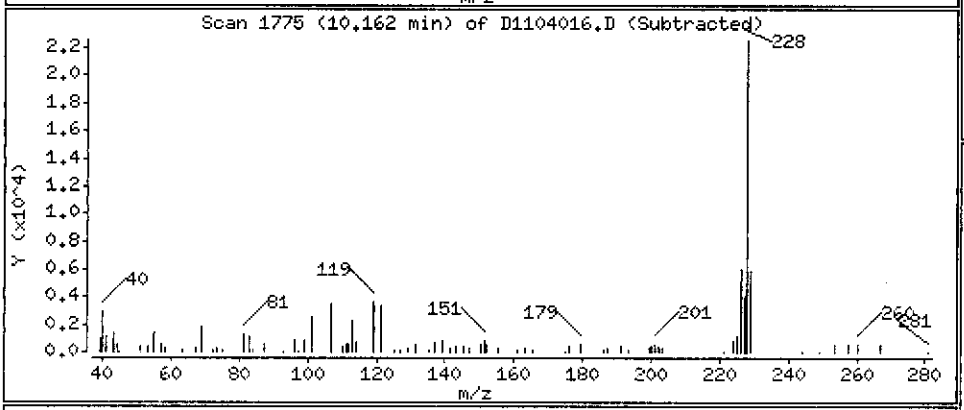
Column diameter: 0.32

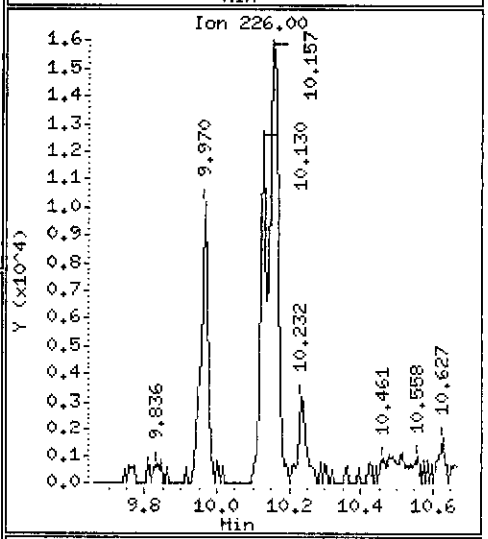
137 Chrysene

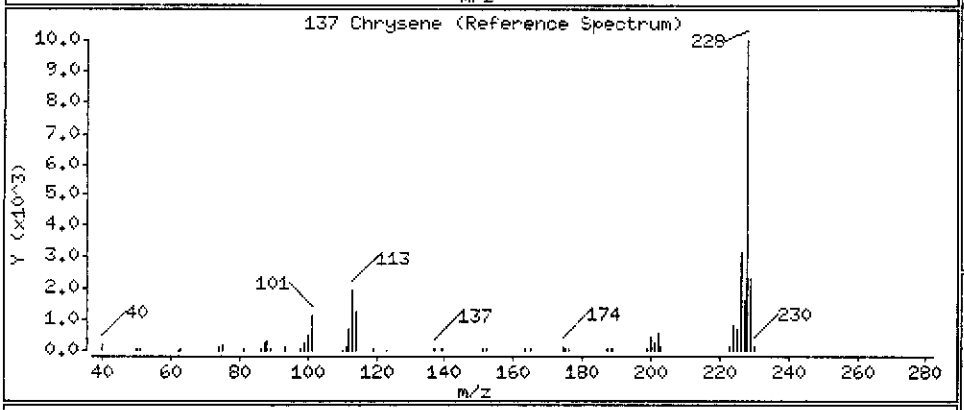
Concentration: 237.94 ug/kg

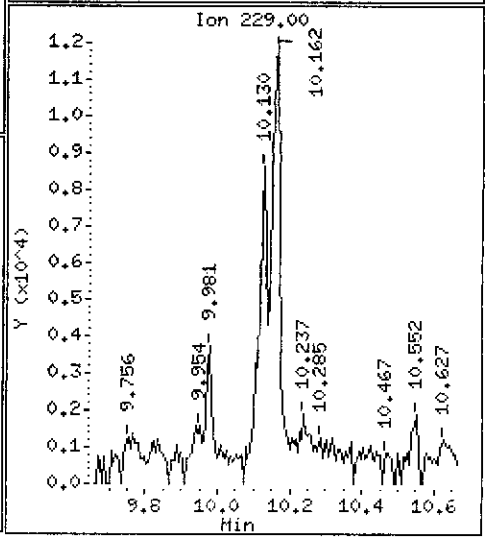


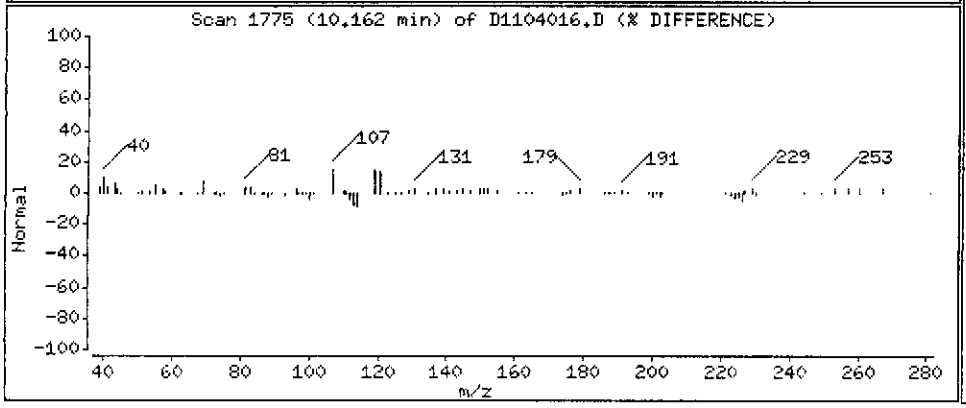












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104016.D

Date : 04-NOV-2010 17:32

Client ID: 20100838 SD10-DUP

Instrument: 732.i

Sample Info: c0k030562-003 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

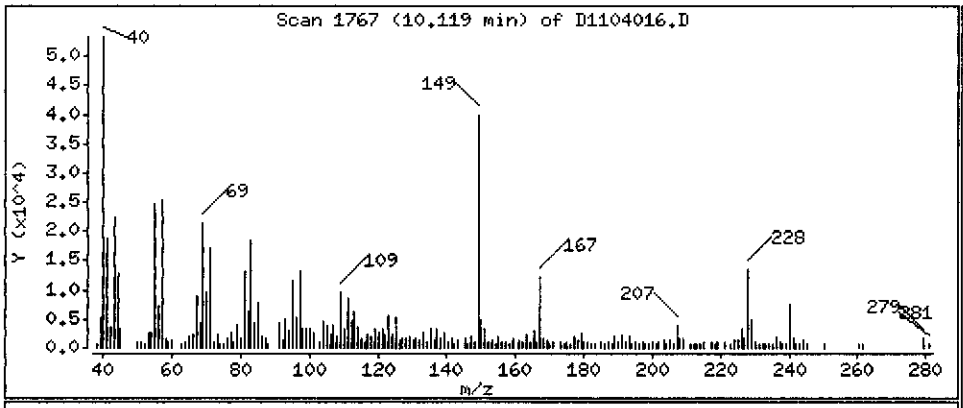
Operator: 430261nc

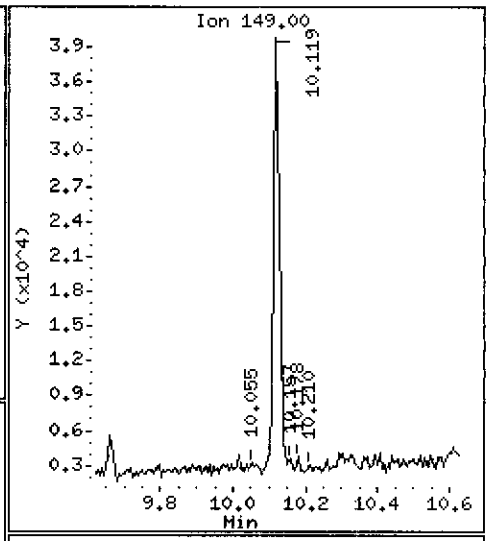
Column phase: DB5-MS

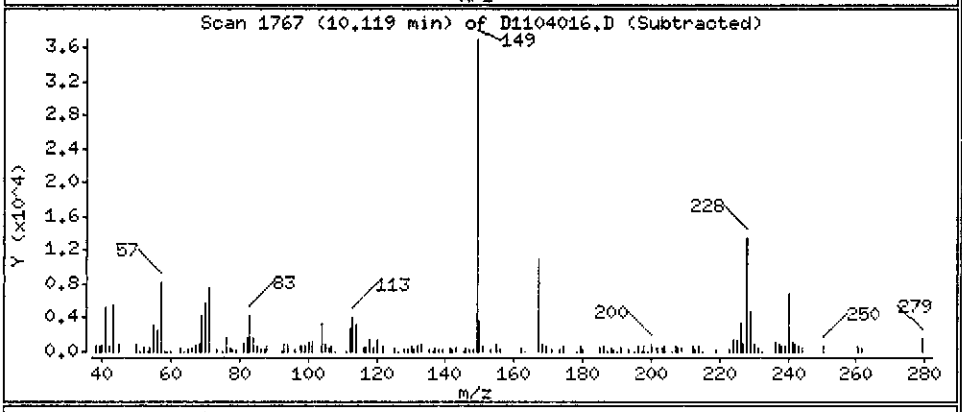
Column diameter: 0.32

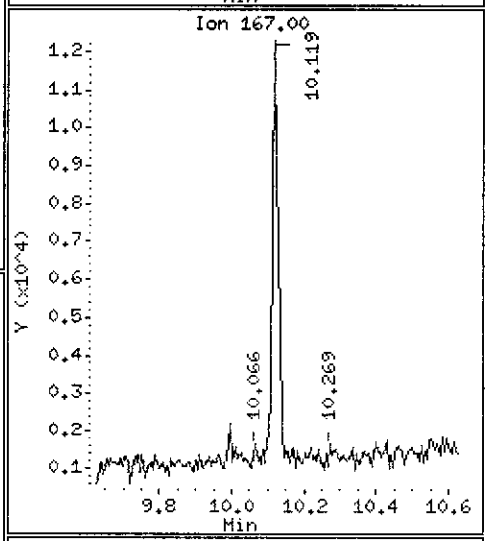
139 bis(2-ethylhexyl)Phthalate

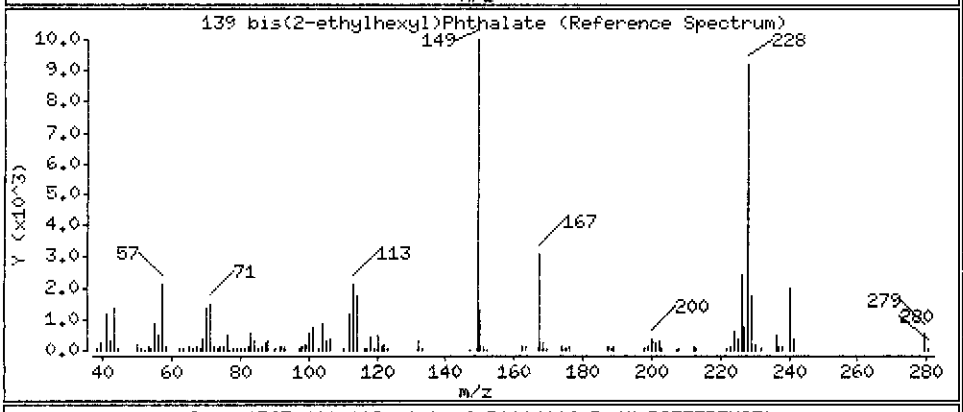
Concentration: 211.54 ug/kg

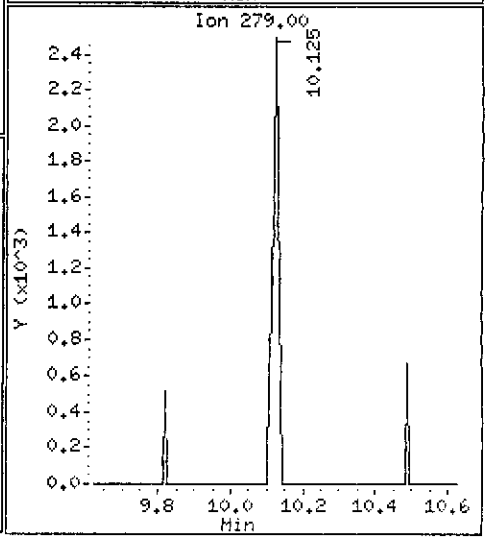


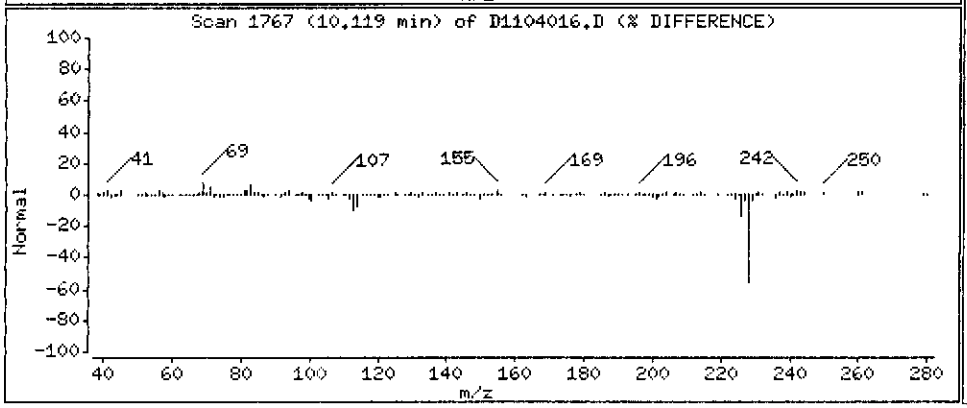












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104016.D

Date : 04-NOV-2010 17:32

Client ID: 20100838 SD10-DUP

Instrument: 732.i

Sample Info: c0k030562-003 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

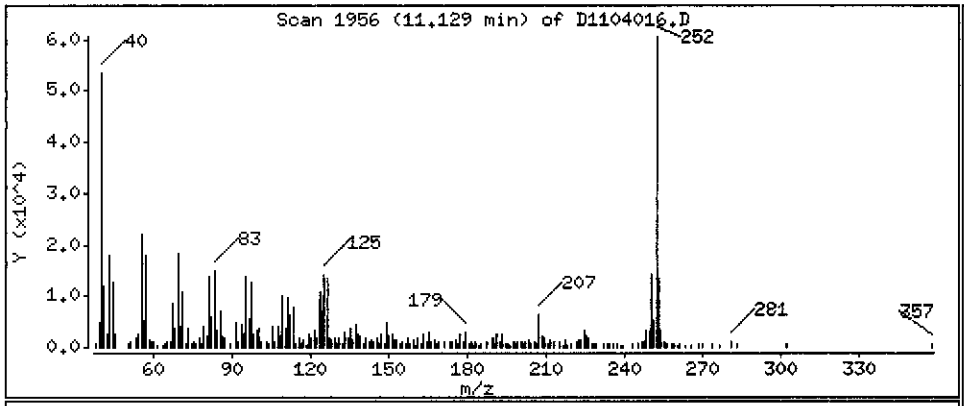
Operator: 430261nc

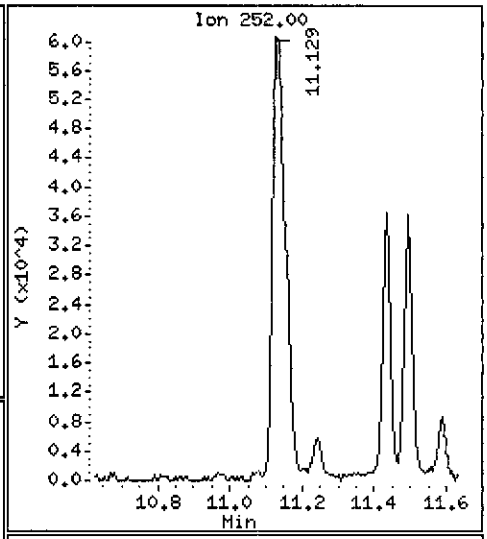
Column phase: DB5-MS

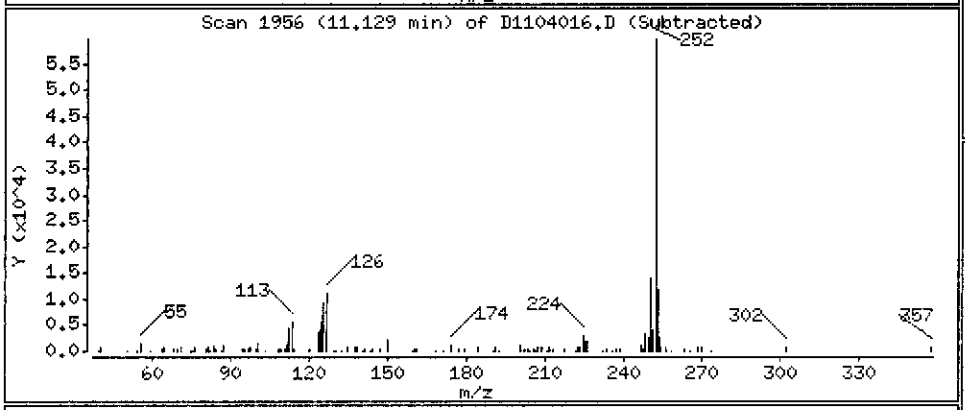
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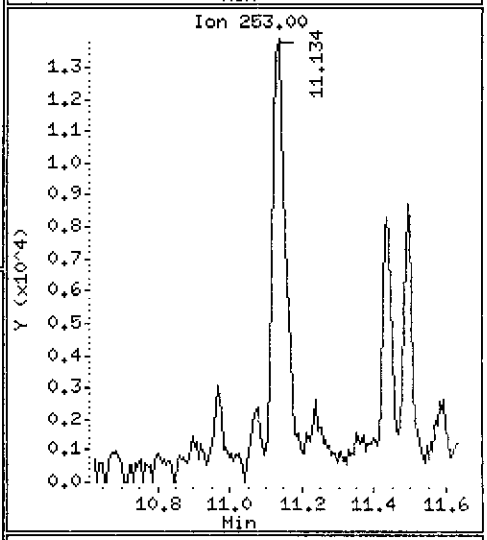
141 Benzo(b)fluoranthene

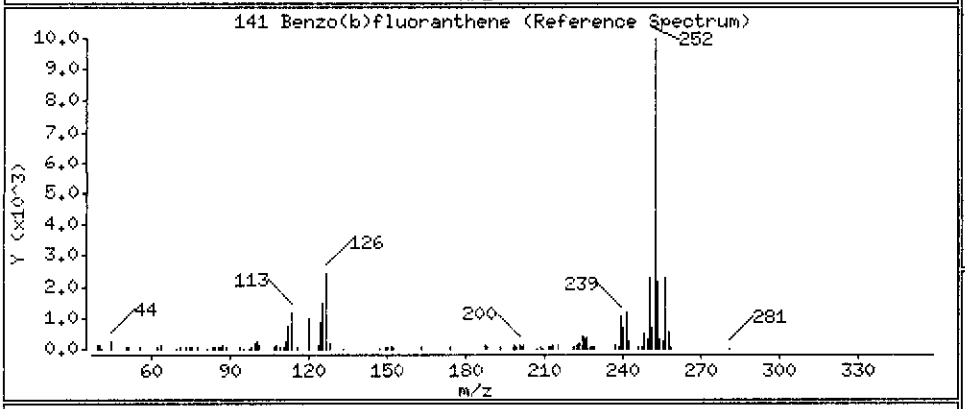
Concentration: 341.64 ug/kg

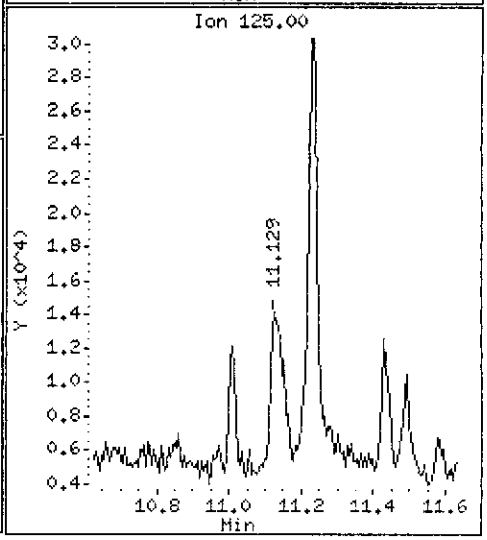


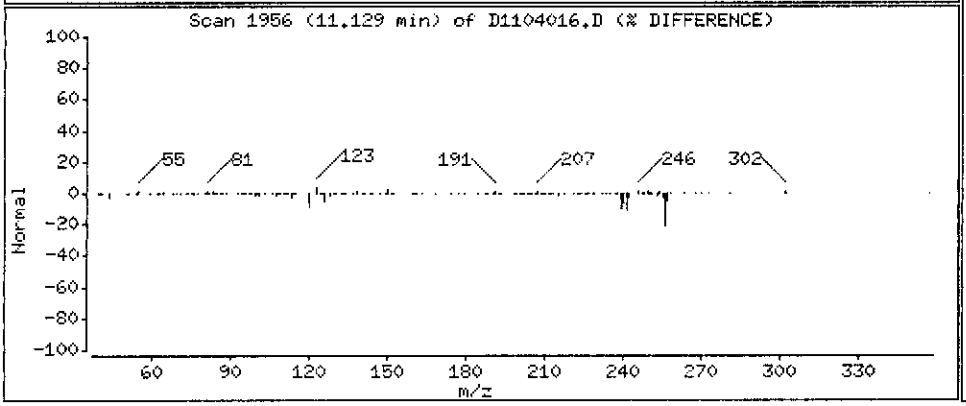












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104016.D

Date : 04-NOV-2010 17:32

Client ID: 20100838 SD10-DUP

Instrument: 732.i

Sample Info: c0k030562-003 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

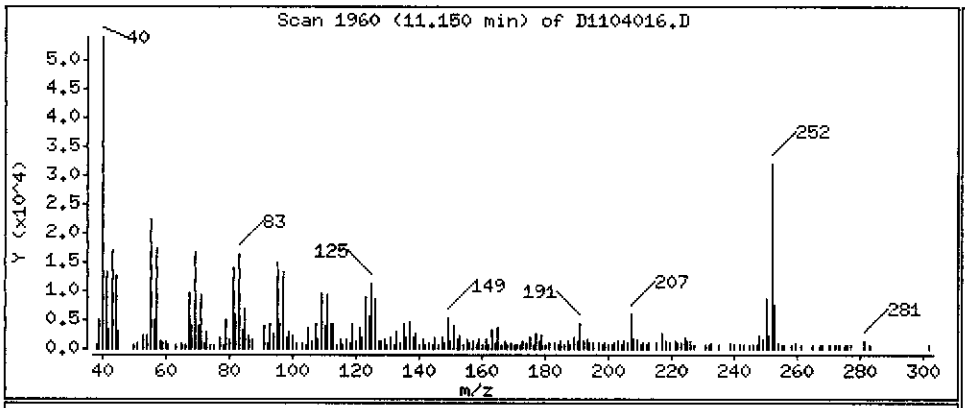
Operator: 430261nc

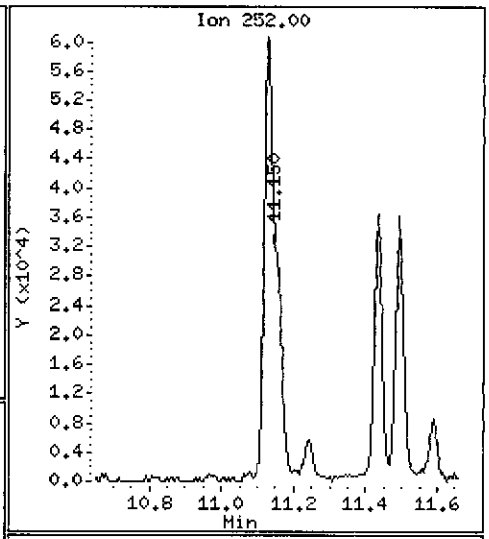
Column phase: DB5-MS

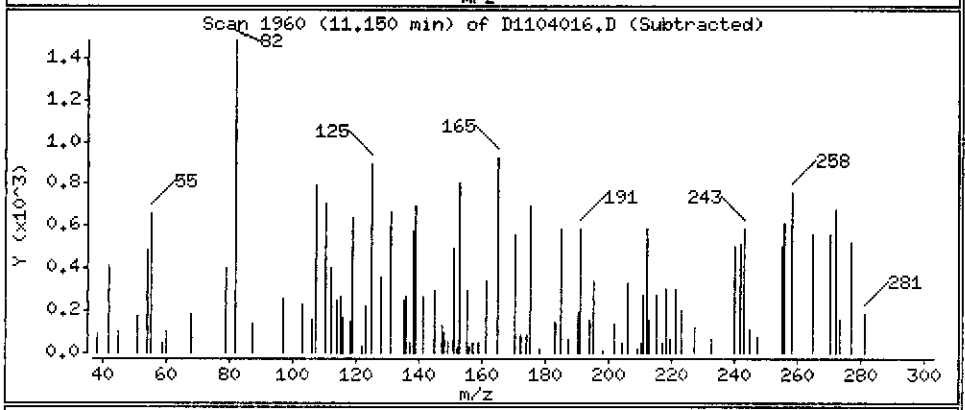
Column diameter: 0.32

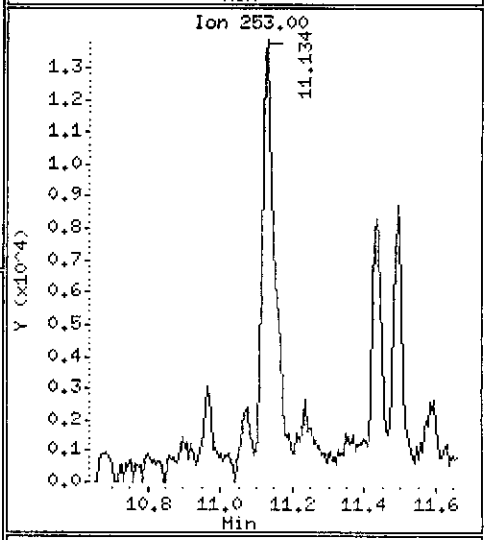
142 Benzo(k)fluoranthene

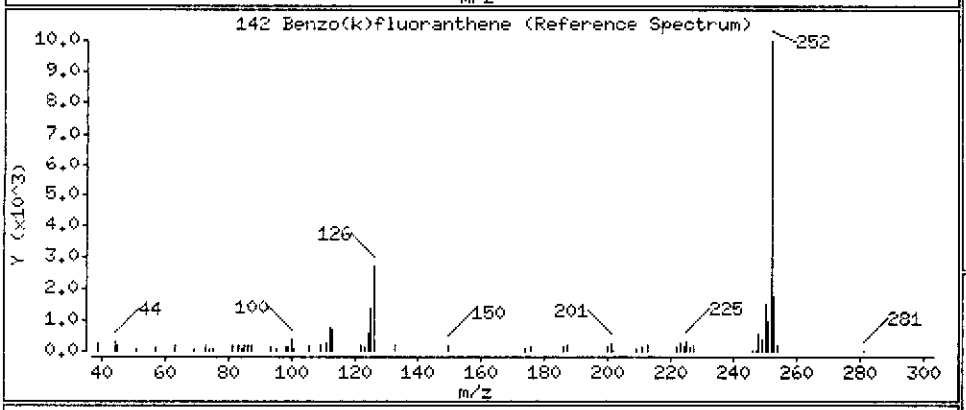
Concentration: 104.18 ug/kg

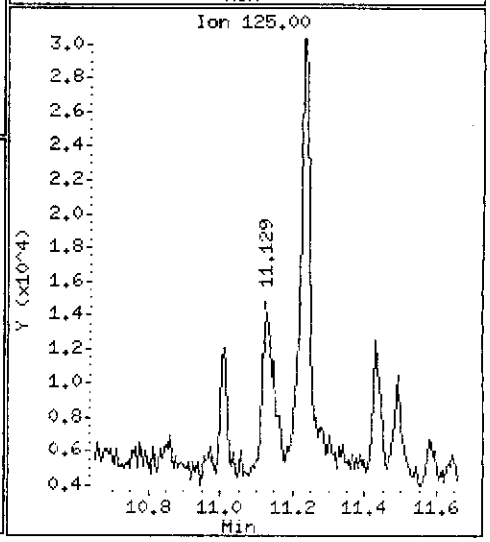


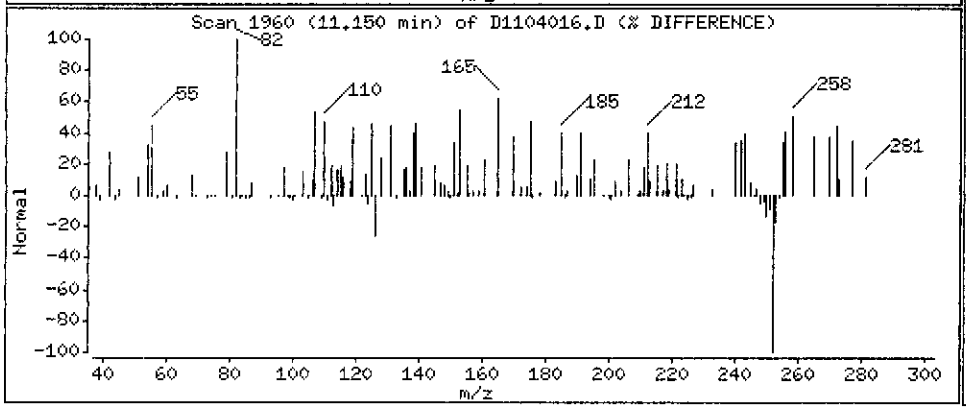












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104016.D

Date : 04-NOV-2010 17:32

Client ID: 20100838 SD10-DUP

Instrument: 732.i

Sample Info: c0k030562-003 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

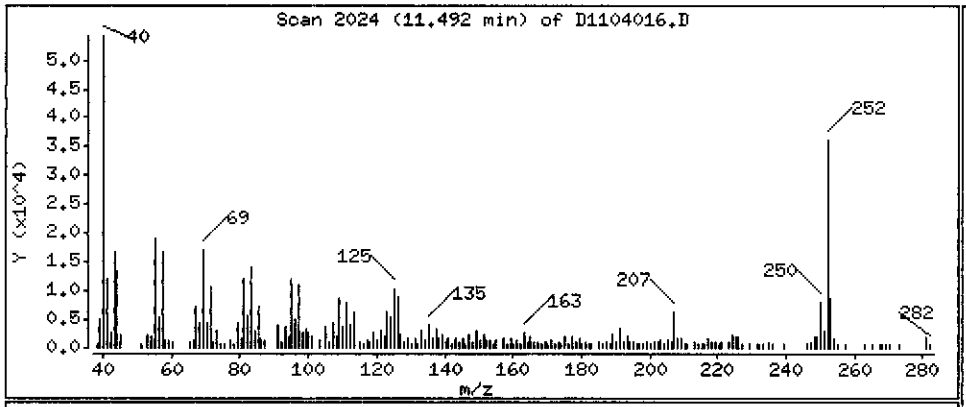
Operator: 430261nc

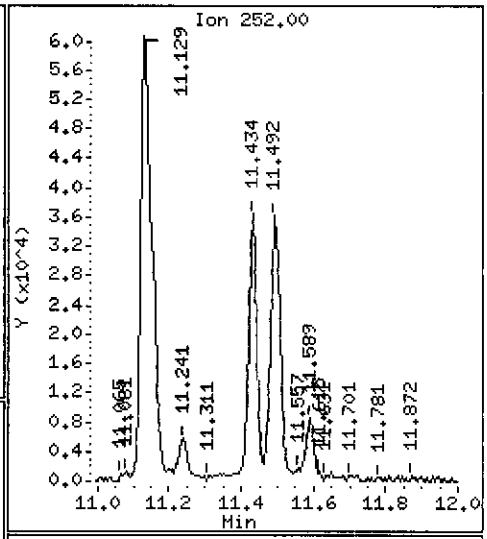
Column phase: DB5-MS

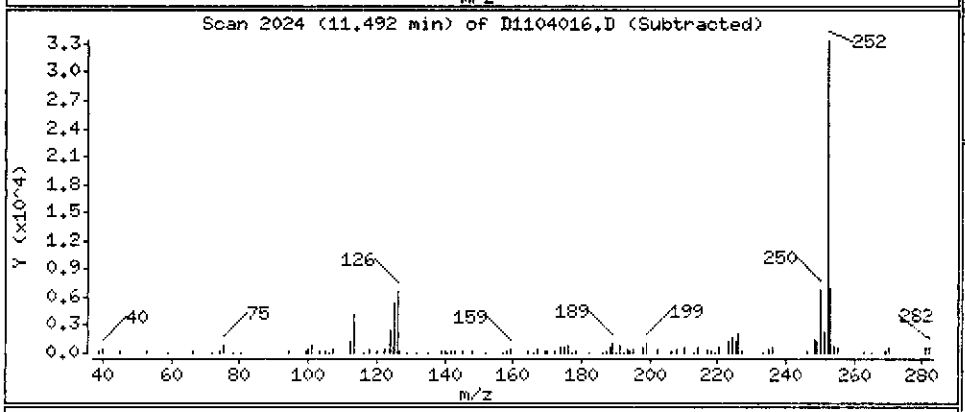
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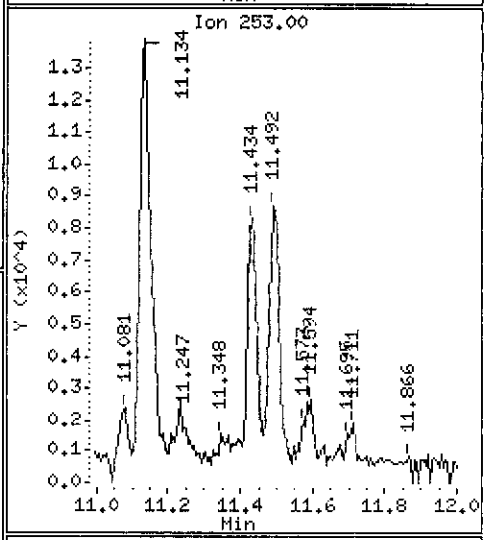
146 Benzo(a)pyrene

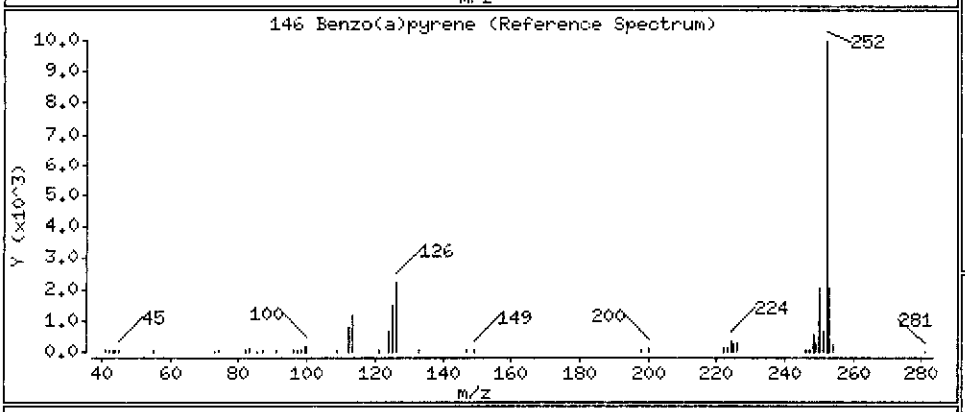
Concentration: 330.22 ug/kg

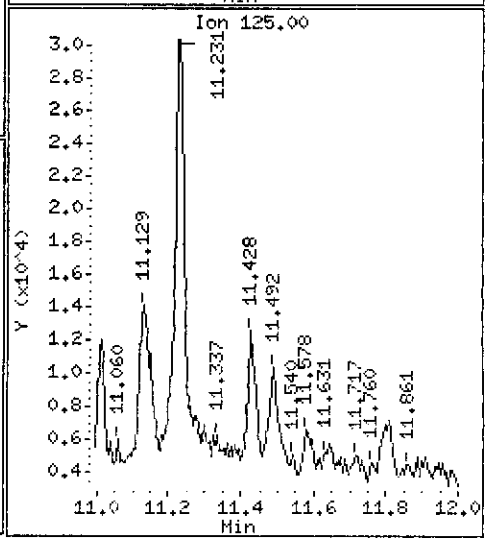


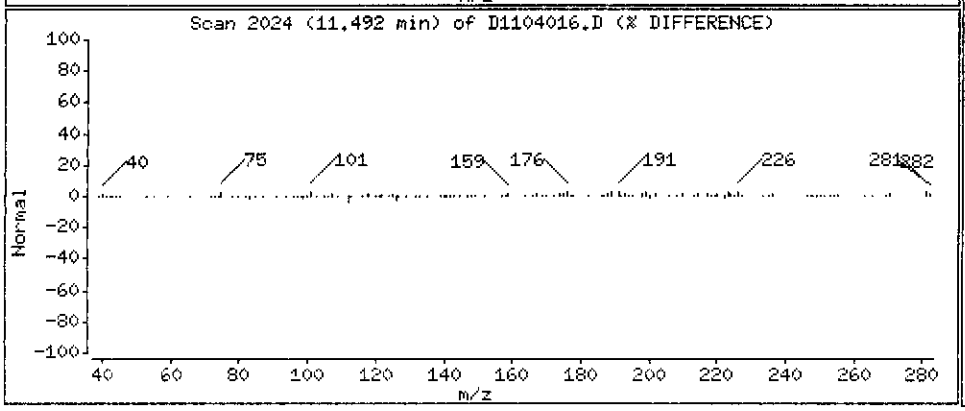












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104016.D

Date : 04-NOV-2010 17:32

Client ID: 20100838 SD10-DUP

Instrument: 732.i

Sample Info: c0k030562-003 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

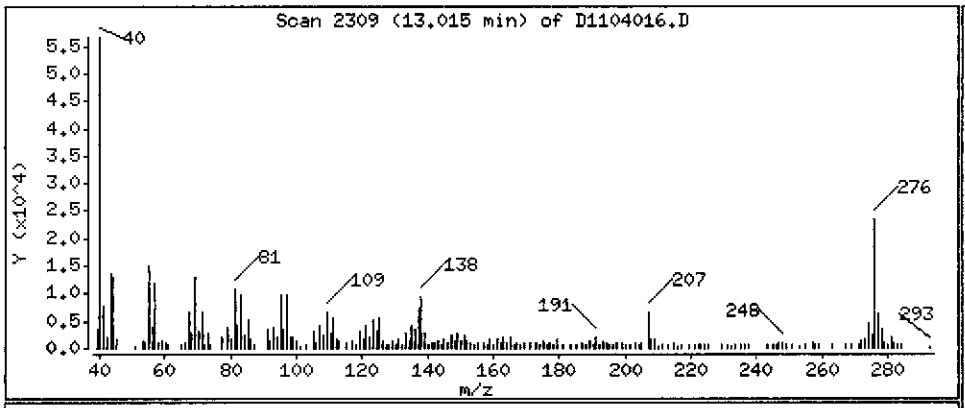
Operator: 430261nc

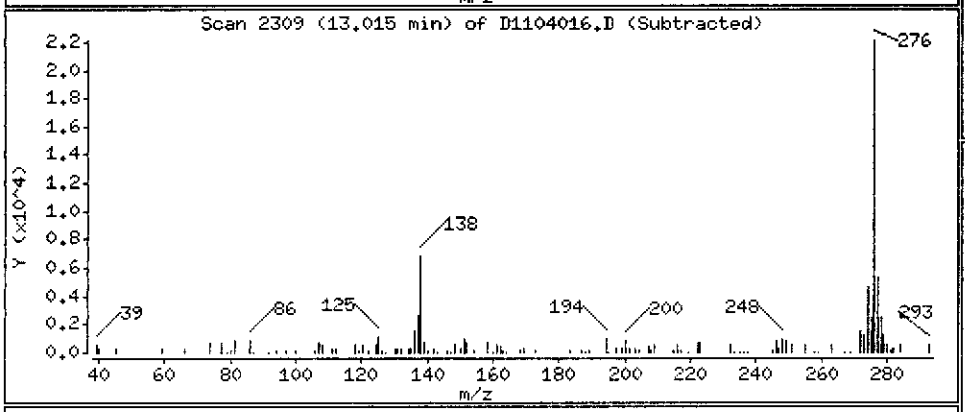
Column phase: DB5-MS

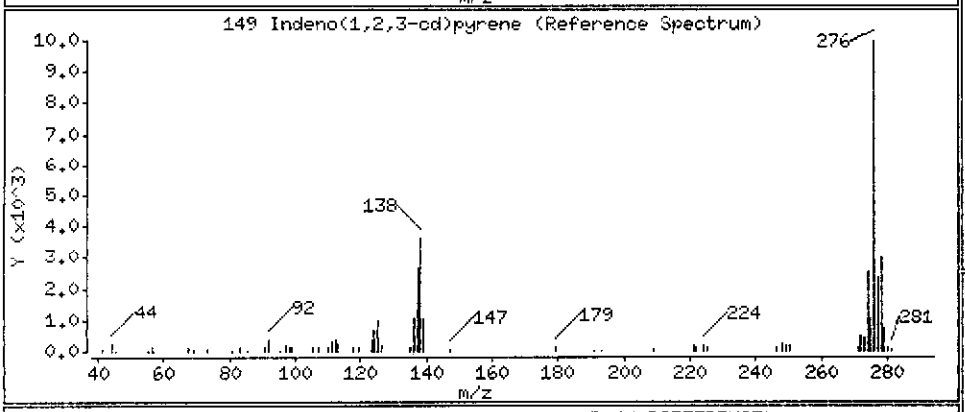
Column diameter: 0.32

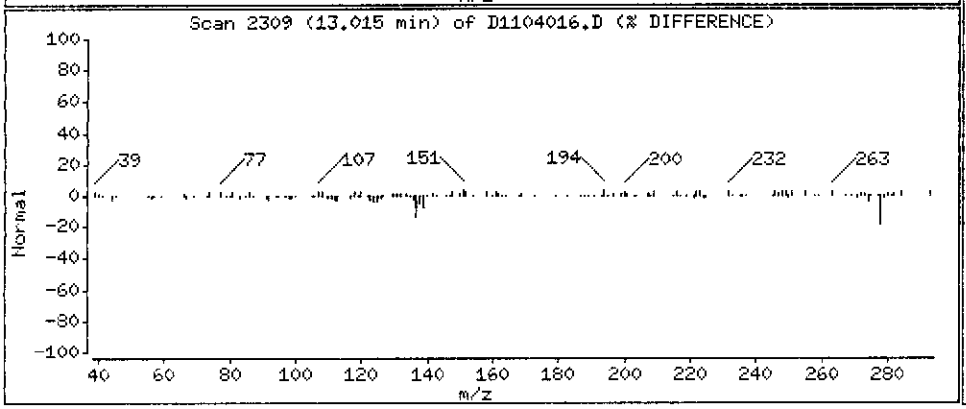
149 Indeno(1,2,3-cd)pyrene

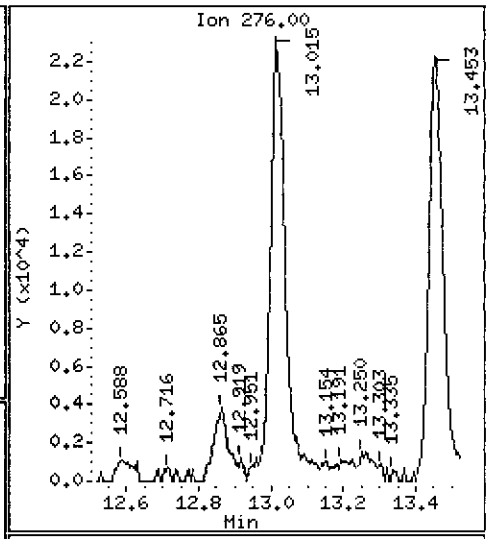
Concentration: 297.48 ug/kg

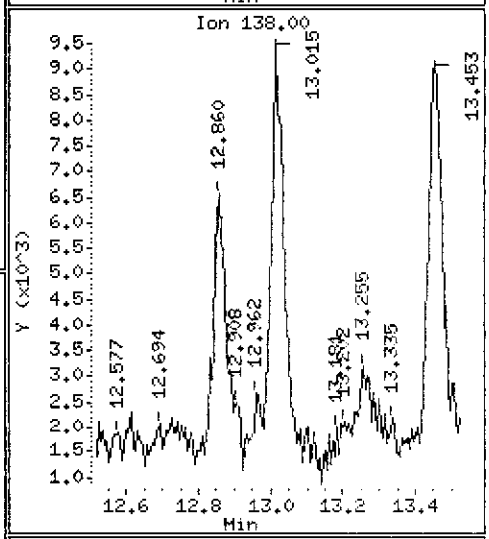


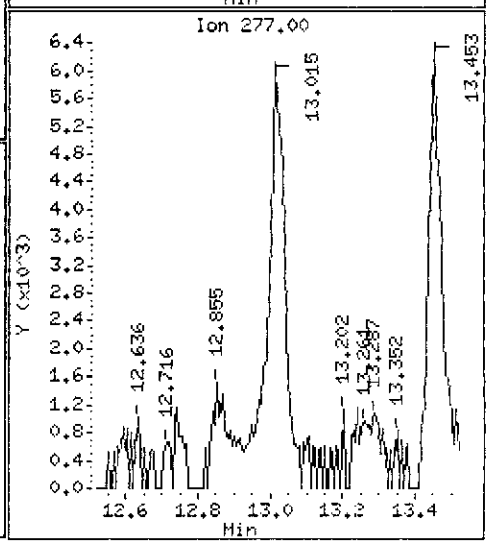












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104016.D

Date : 04-NOV-2010 17:32

Client ID: 20100838 SD10-DUP

Instrument: 732.i

Sample **Info:** c0k030562-003 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

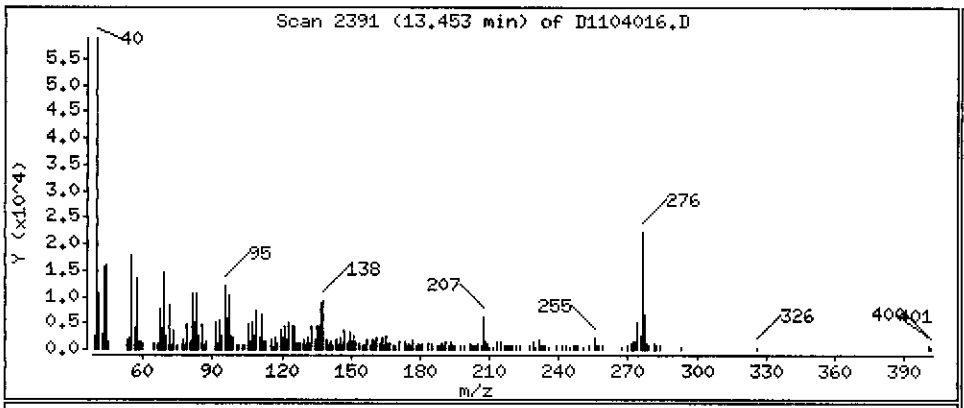
Operator: 430261nc

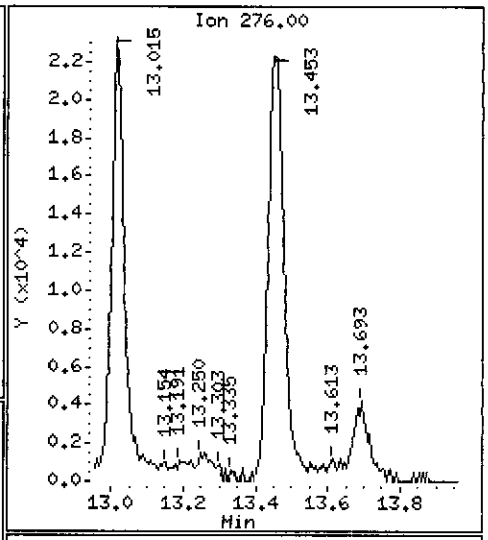
Column phase: DB5-MS

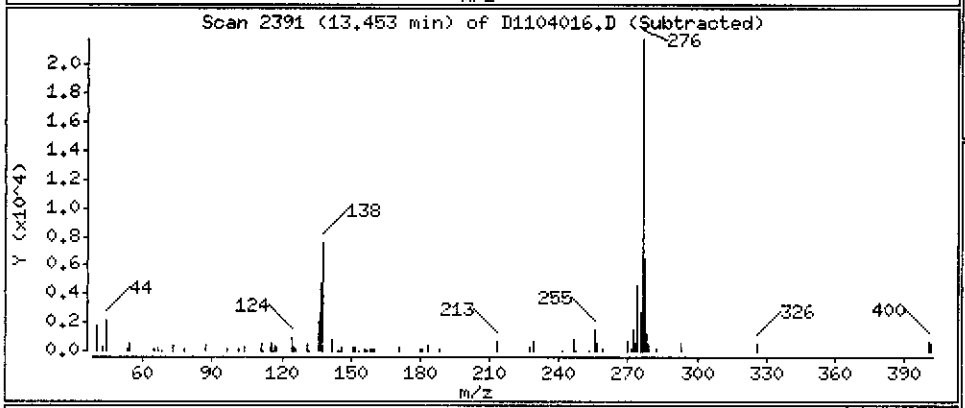
Column diameter: 0.32

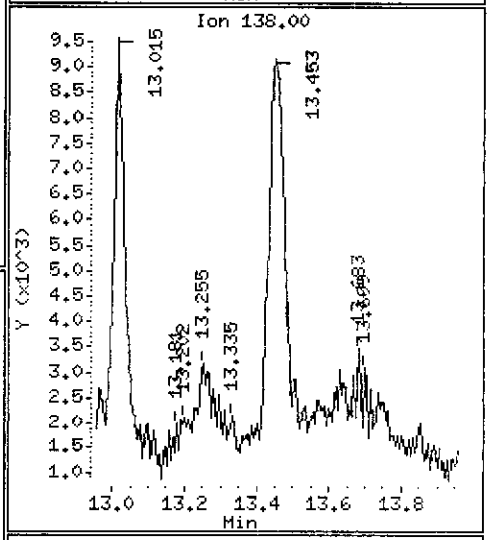
151 Benzo(g,h,i)perylene

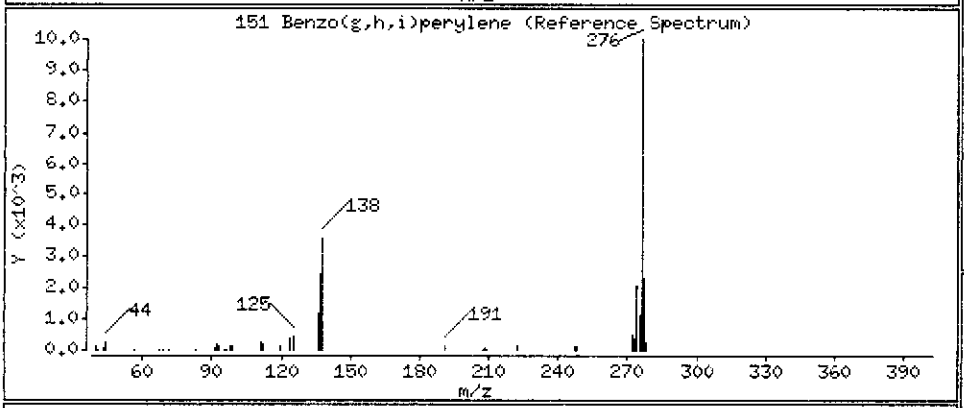
Concentration: 259.07 ug/kg

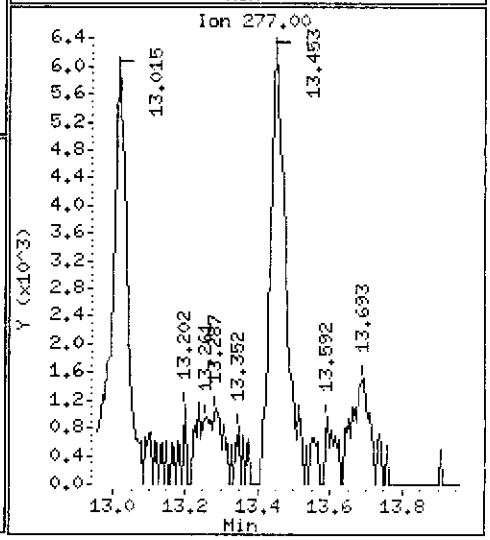


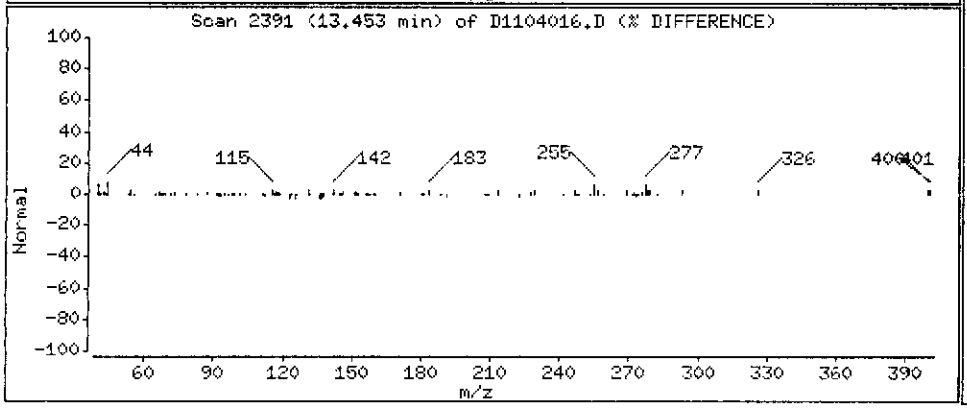




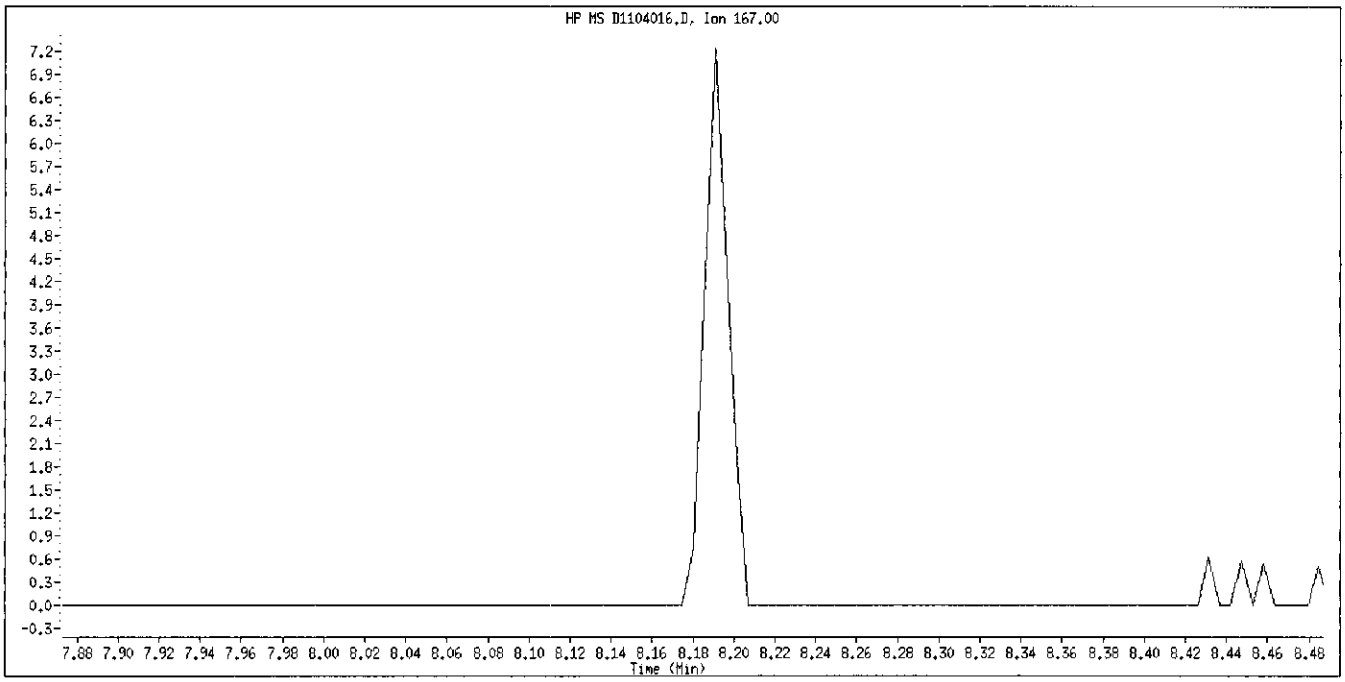




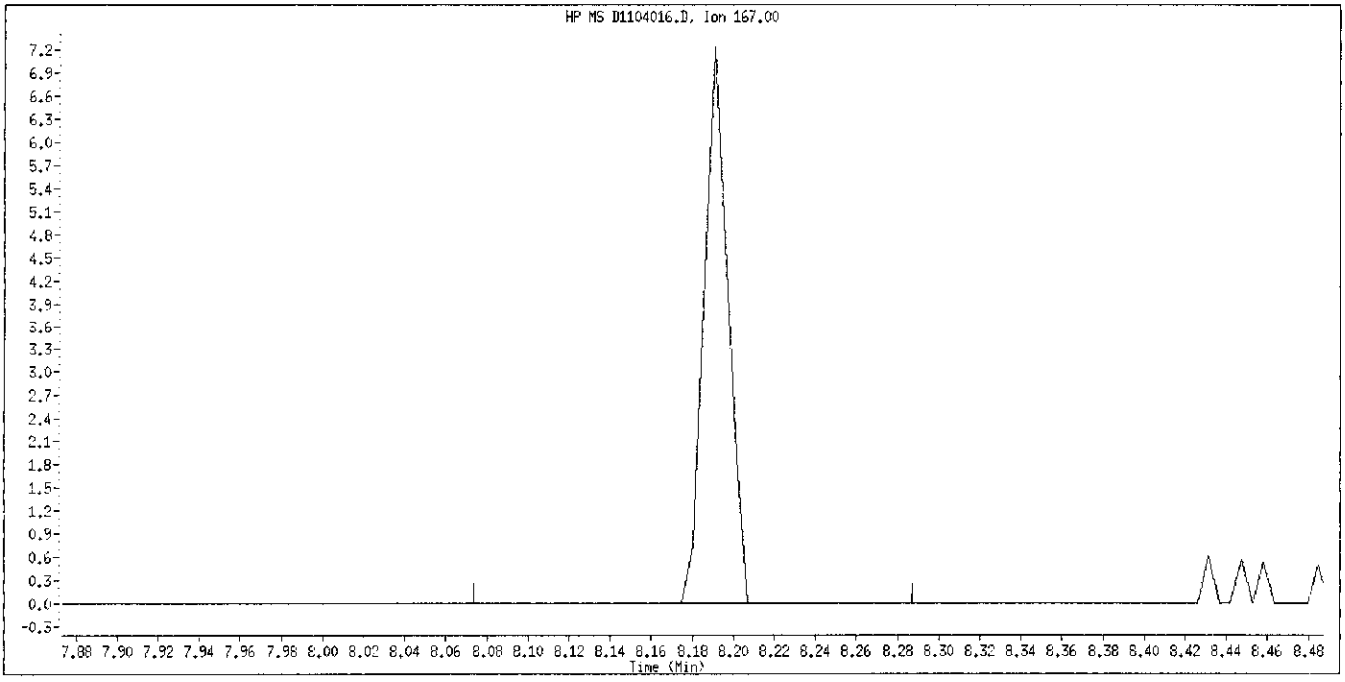




Data File Name: D1104016.D
Inj. Date and Time: 04-NOV-2010 17:32
Instrument ID: 732.i
Client ID: 20100838 SD10-DUP
Compound Name: Carbazole
CAS #: 86-74-8



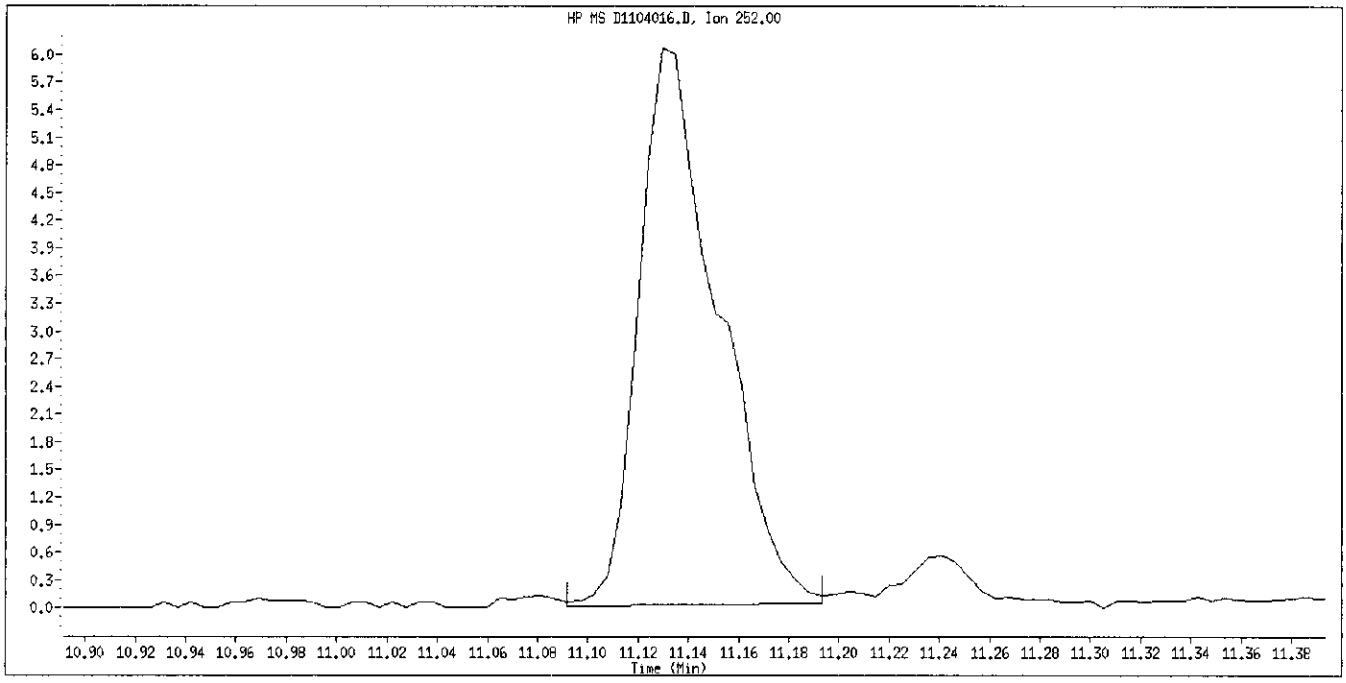
Original Integration



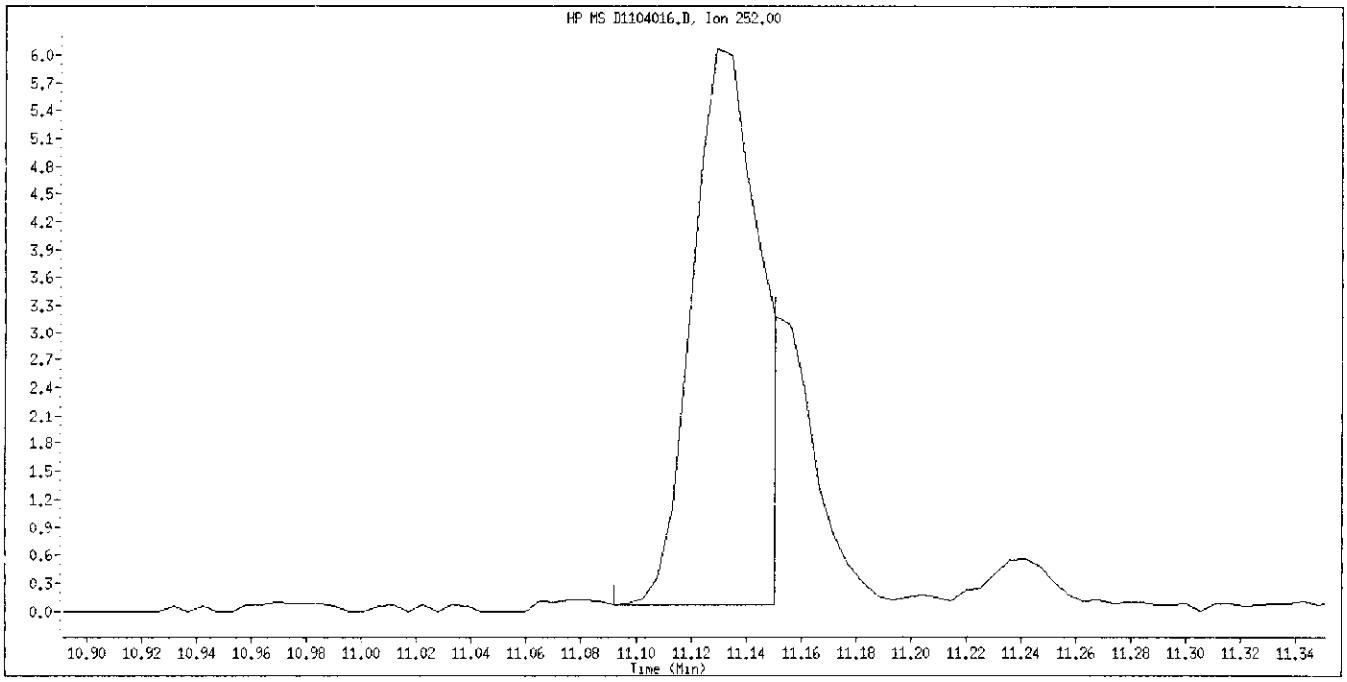
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1104016.D
Inj. Date and Time: 04-NOV-2010 17:32
Instrument ID: 732.i
Client ID: 20100838 SD10-DUP
Compound Name: Benzo(b)fluoranthene
CAS #: 205-99-2



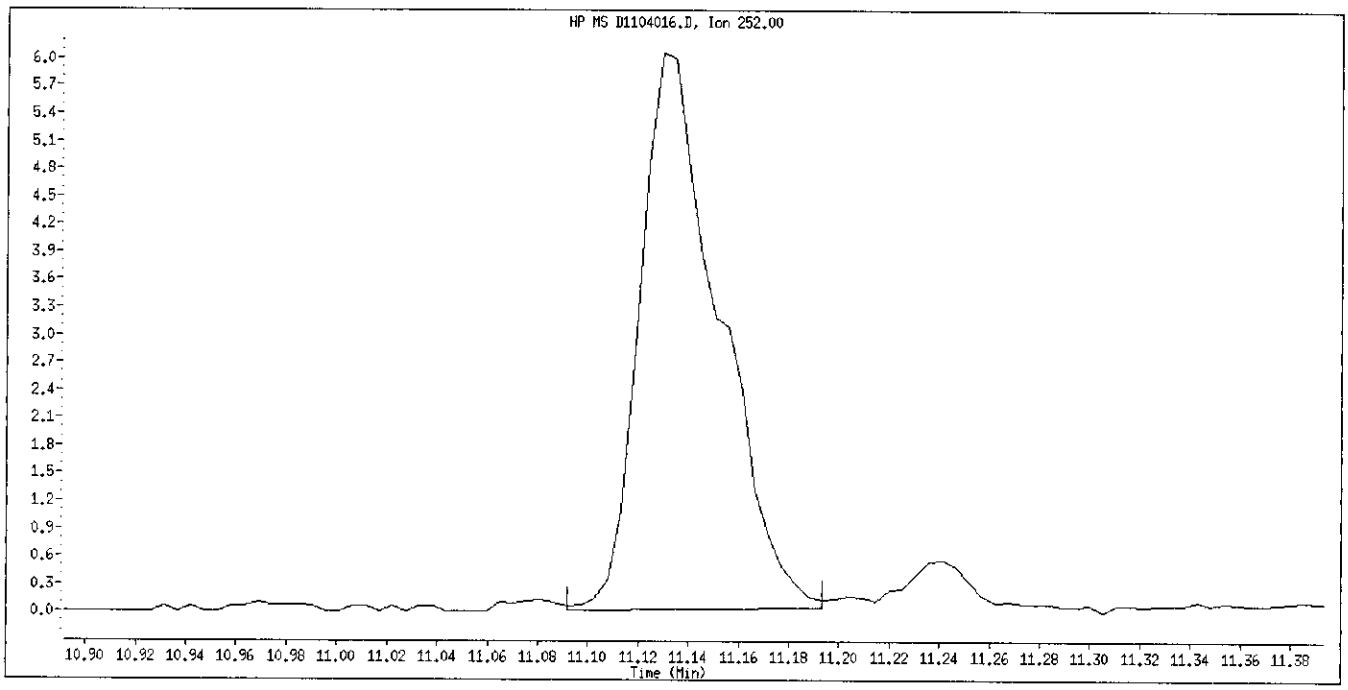
Original Integration



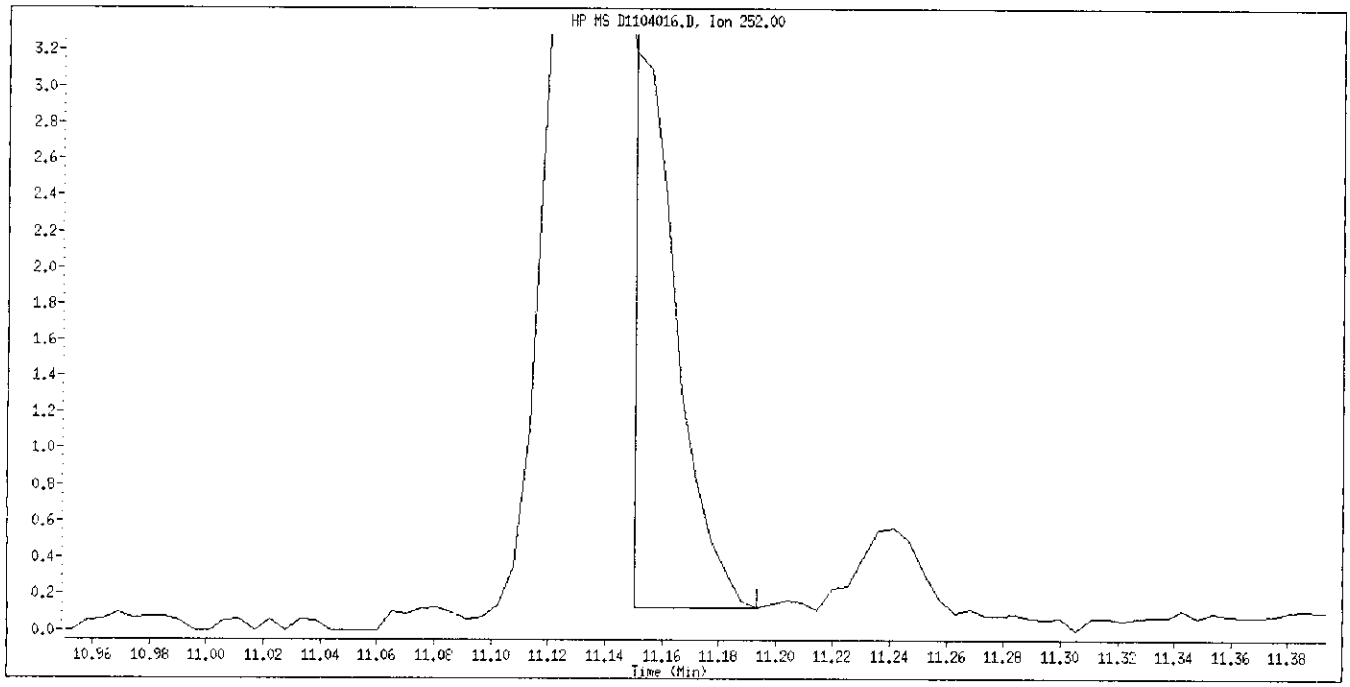
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1104016.D
Inj. Date and Time: 04-NOV-2010 17:32
Instrument ID: 732.i
Client ID: 20100838 SD10-DUP
Compound Name: Benzo(k)fluoranthene
CAS #: 207-08-9



Original Integration



Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Leo Brausch Consulting

Client Sample ID: 20100839 SD10-06

GC/MS Semivolatiles

Lot-Sample #...:	C0K030562-004	**Work Order #...:**	L9HH91AK	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308011
Prep Date.....:	11/04/10	**Analysis Date..:**	11/04/10		
Prep Batch #...:	0308035	**Analysis Time..:**	18:10		
Dilution Factor:	2.5	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	68	**Analyst ID.....:**	430261	**Instrument ID..:**	732
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**15 J**	**52**	**ug/kg**	**5.0**
Acenaphthylene	**18 J**	**52**	**ug/kg**	**6.0**
Acetophenone	ND	260	ug/kg	21
Anthracene	**31 J**	**52**	**ug/kg**	**5.1**
Atrazine	ND	260	ug/kg	25
Benzo(a)anthracene	**140**	**52**	**ug/kg**	**6.5**
Benzo(a)pyrene	**300**	**52**	**ug/kg**	**5.2**
Benzo(b)fluoranthene	**250**	**52**	**ug/kg**	**8.2**
Benzo(ghi)perylene	**260**	**52**	**ug/kg**	**5.2**
Benzo(k)fluoranthene	**120**	**52**	**ug/kg**	**11**
Benzaldehyde	ND	260	ug/kg	39
1,1'-Biphenyl	ND	260	ug/kg	24
bis(2-Chloroethoxy) methane	ND	260	ug/kg	17
bis(2-Chloroethyl)-ether	ND	52	ug/kg	7.0
bis(2-Ethylhexyl) phthalate	**200 J**	**260**	**ug/kg**	**42**
4-Bromophenyl phenyl ether	ND	260	ug/kg	23
Butyl benzyl phthalate	ND	260	ug/kg	36
Caprolactam	ND	1300	ug/kg	200
Carbazole	**26 J**	**52**	**ug/kg**	**4.8**
4-Chloroaniline	ND	260	ug/kg	21
4-Chloro-3-methylphenol	ND	260	ug/kg	24
2-Chloronaphthalene	ND	52	ug/kg	5.4
2-Chlorophenol	ND	260	ug/kg	21
4-Chlorophenyl phenyl ether	ND	260	ug/kg	29
Chrysene	**230**	**52**	**ug/kg**	**6.2**
Dibenz(a,h)anthracene	**170**	**52**	**ug/kg**	**5.8**
Dibenzofuran	ND	260	ug/kg	26
3,3'-Dichlorobenzidine	ND	260	ug/kg	28
2,4-Dichlorophenol	ND	52	ug/kg	5.2
Diethyl phthalate	ND	260	ug/kg	29
2,4-Dimethylphenol	ND	260	ug/kg	41
Dimethyl phthalate	ND	260	ug/kg	28

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100839 SD10-06

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-004 **Work Order #...:** L9HH91AK **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	260	ug/kg	33
4,6-Dinitro-2-methylphenol	ND	1300	ug/kg	100
2,4-Dinitrophenol	ND	1300	ug/kg	310
2,4-Dinitrotoluene	ND	260	ug/kg	21
2,6-Dinitrotoluene	ND	260	ug/kg	27
Di-n-octyl phthalate	ND	260	ug/kg	28
Fluoranthene	**370**	**52**	**ug/kg**	**5.6**
Fluorene	**15 J**	**52**	**ug/kg**	**6.9**
Hexachlorobenzene	ND	52	ug/kg	5.6
Hexachlorobutadiene	ND	52	ug/kg	5.8
Hexachlorocyclopentadiene	ND	260	ug/kg	28
Hexachloroethane	ND	260	ug/kg	19
Indeno(1,2,3-cd)pyrene	**250**	**52**	**ug/kg**	**5.4**
Isophorone	ND	260	ug/kg	20
2-Methylnaphthalene	ND	52	ug/kg	4.7
2-Methylphenol	ND	260	ug/kg	18
4-Methylphenol	ND	260	ug/kg	26
Naphthalene	ND	52	ug/kg	4.5
2-Nitroaniline	ND	1300	ug/kg	120
3-Nitroaniline	ND	1300	ug/kg	110
4-Nitroaniline	ND	1300	ug/kg	110
Nitrobenzene	ND	52	ug/kg	22
2-Nitrophenol	ND	260	ug/kg	29
4-Nitrophenol	ND	1300	ug/kg	89
N-Nitrosodi-n-propylamine	ND	52	ug/kg	6.1
N-Nitrosodiphenylamine	ND	52	ug/kg	24
2,2'-oxybis (1-Chloropropane)	ND	52	ug/kg	5.6
Pentachlorophenol	ND	260	ug/kg	23
Phenanthrene	**160**	**52**	**ug/kg**	**8.3**
Phenol	ND	52	ug/kg	6.2
Pyrene	**270**	**52**	**ug/kg**	**5.3**
2,4,5-Trichlorophenol	ND	260	ug/kg	28
2,4,6-Trichlorophenol	ND	260	ug/kg	39

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100839 SD10-06

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-004 **Work Order #...:** L9HH91AK **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	50	(27 - 110)
Terphenyl-d14	43	(21 - 130)
2-Fluorobiphenyl	49	(28 - 108)
2-Fluorophenol	41	(28 - 107)
Phenol-d5	46	(30 - 112)
2,4,6-Tribromophenol	41	(21 - 116)

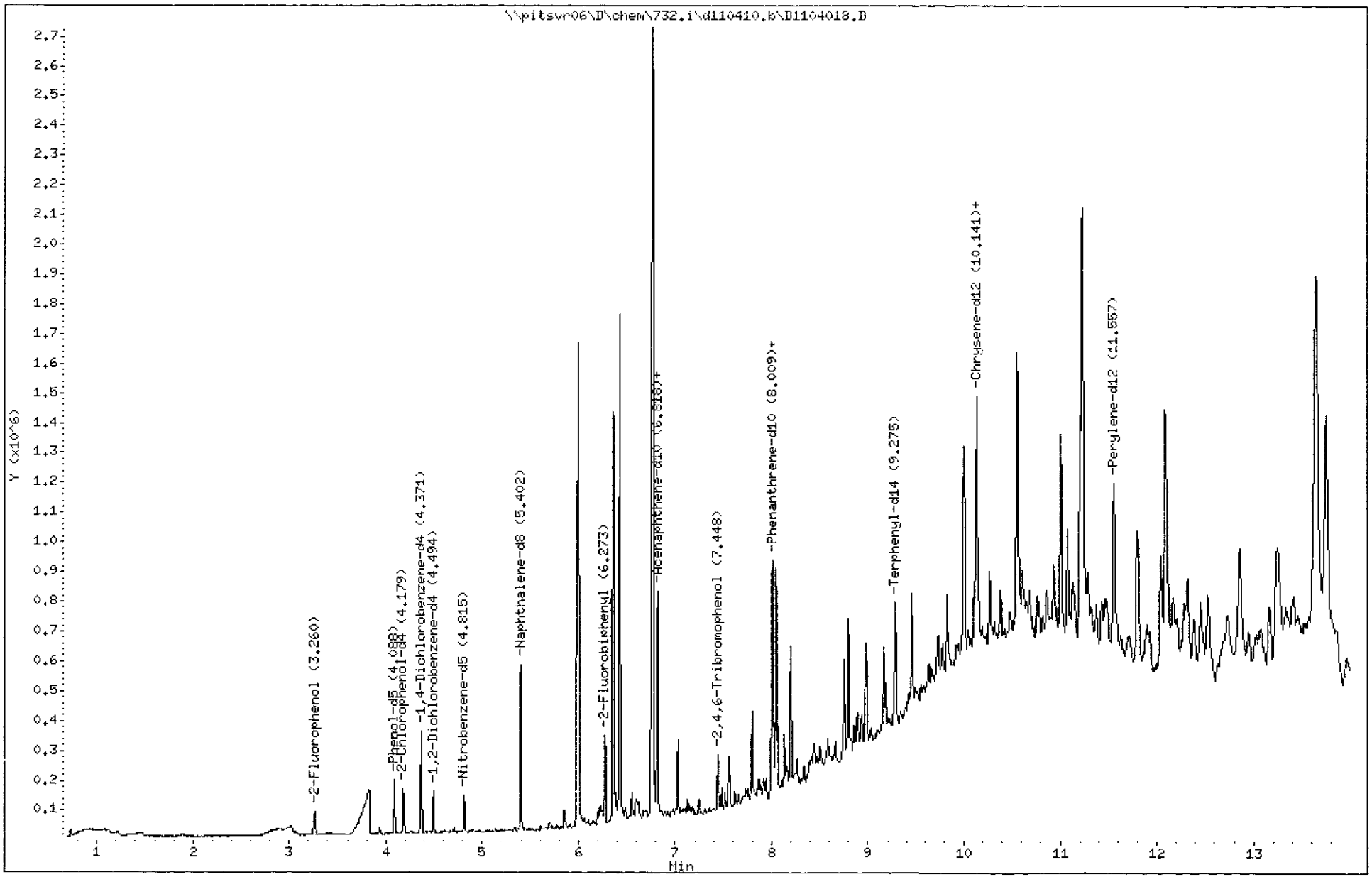
NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D
Date : 04-NOV-2010 18:10
Client ID: 20100839 SD10-06
Sample Info: c0k030562-004 5x 11/04/10 sedS42(0308035)
Volume Injected (uL): 2.0
Column phase: DB5-MS

Instrument: 732.i
Operator: 430261nc
Column diameter: 0.32



Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D
Lab Smp Id: 19hh91ak Client Smp ID: 20100839 SD10-06
Inj Date : 04-NOV-2010 18:10
Operator : 430261nc Inst ID: 732.i
Smp Info : c0k030562-004 5x 11/04/10 sedS42(0308035)
Misc Info : 19hh91ak,d110410.b,ll.m,3-root.sub
Comment :
Method : \\pitsvr06\D\chem\732.i\d110410.b\ll.m
Meth Date : 08-Nov-2010 18:58 campisin Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 20
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws)*1 * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
* 1	1,4-Dichlorobenzene-d4	152	4.371	4.382	(1.000)	52301	8.00000	
* 2	Naphthalene-d8	136	5.402	5.407	(1.000)	232391	8.00000	
* 3	Acenaphthene-d10	164	6.818	6.823	(1.000)	154756	8.00000	
* 4	Phenanthrene-d10	188	8.009	8.014	(1.000)	290250	8.00000	
* 5	Chrysene-d12	240	10.140	10.140	(1.000)	338639	8.00000	
* 6	Perylene-d12	264	11.556	11.556	(1.000)	355430	8.00000	
198	1,4-Dioxane	88	Compound Not Detected.					
10	N-Nitrosodimethylamine	74	Compound Not Detected.					
9	Pyridine	79	Compound Not Detected.					
16	Methyl methanesulfonate	80	Compound Not Detected.					
206	Benzaldehyde	77	Compound Not Detected.					
21	Aniline	93	Compound Not Detected.					
22	Phenol	94	Compound Not Detected.					
23	bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24	2-Chlorophenol	128	Compound Not Detected.					
26	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
28	1,2-Dichlorobenzene	146	Compound Not Detected.					
29	Benzyl Alcohol	108	Compound Not Detected.					
217	Indene	116	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)
30	2-Methylphenol	108	Compound Not Detected.					
31	2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
36	N-Nitrosopyrrolidine	100	Compound Not Detected.					
37	Acetophenone	105	Compound Not Detected.					
32	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192	4-Methylphenol	108	Compound Not Detected.					
34	Hexachloroethane	117	Compound Not Detected.					
35	Nitrobenzene	77	Compound Not Detected.					
41	Isophorone	82	Compound Not Detected.					
42	2-Nitrophenol	139	Compound Not Detected.					
43	2,4-Dimethylphenol	107	Compound Not Detected.					
44	bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48	2,4-Dichlorophenol	162	Compound Not Detected.					
49	Benzoic Acid	122	Compound Not Detected.					
50	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51	Naphthalene	128	Compound Not Detected.					
52	4-Chloroaniline	127	Compound Not Detected.					
54	2,6-Dichlorophenol	162	Compound Not Detected.					
56	Hexachlorobutadiene	224	Compound Not Detected.					
208	Caprolactam	113	Compound Not Detected.					
59	4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62	2-Methylnaphthalene	142	Compound Not Detected.					
63	1-Methylnaphthalene	142	6.059	6.064	(1.122)	3935	0.18910	7.8790(H)
64	Hexachlorocyclopentadiene	236	Compound Not Detected.					
65	1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66	2,4,6-Trichlorophenol	196	Compound Not Detected.					
67	2,4,5-Trichlorophenol	196	Compound Not Detected.					
209	1,1'-Biphenyl	154	Compound Not Detected.					
70	2-Chloronaphthalene	162	Compound Not Detected.					
73	2-Nitroaniline	65	Compound Not Detected.					
76	Dimethylphthalate	163	Compound Not Detected.					
78	2,6-Dinitrotoluene	165	Compound Not Detected.					
79	Acenaphthylene	152	6.700	6.705	(0.983)	4337	0.13594	5.6644(Q)
81	3-Nitroaniline	138	Compound Not Detected.					
82	Acenaphthene	153	6.839	6.850	(1.003)	2314	0.11609	4.8372(Q)
83	2,4-Dinitrophenol	184	Compound Not Detected.					
85	4-Nitrophenol	109	Compound Not Detected.					
86	Dibenzofuran	168	6.978	6.989	(1.024)	4113	0.13594	5.6642
87	2,4-Dinitrotoluene	165	Compound Not Detected.					
91	2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88	2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92	2-Naphthylamine	143	Compound Not Detected.					
93	Diethylphthalate	149	Compound Not Detected.					
94	Fluorene	166	7.256	7.261	(1.064)	4527	0.11204	4.6684(Q)
95	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96	4-Nitroaniline	138	Compound Not Detected.					
98	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99	N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100	1,2-Diphenylhydrazine	77	Compound Not Detected.					
106	4-Bromophenyl-phenylether	248	Compound Not Detected.					
107	Hexachlorobenzene	283	Compound Not Detected.					
210	Atrazine	200	Compound Not Detected.					
111	Pentachlorophenol	265	Compound Not Detected.					
115	Phenanthrene	178	8.025	8.030	(1.002)	48631	1.19762	49.901

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
116 Anthracene	178	8.068	8.073	(1.007)	9500	0.23893	9.9555
119 Carbazole	167	8.190	8.196	(1.023)	7519	0.19986	8.3273(Q)
120 Di-n-Butylphthalate	149	8.468	8.468	(1.057)	3959	0.08649	3.6039
123 Fluoranthene	202	8.981	8.987	(1.121)	119996	2.81835	117.43
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	9.163	9.168	(0.904)	105007	2.04526	85.219
131 Butylbenzylphthalate	149	9.660	9.665	(0.953)	4451	0.19448	8.1032(Q)
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	10.130	10.130	(0.999)	48624	1.10316	45.965
137 Chrysene	228	10.162	10.162	(1.002)	87234	1.80106	75.044
139 bis(2-ethylhexyl)Phthalate	149	10.119	10.124	(0.998)	44439	1.50018	62.508
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	11.129	11.129	(0.963)	100075	1.88007	78.336(M)
142 Benzo(k)fluoranthene	252	11.145	11.155	(0.964)	52895	0.91257	38.024(QM)
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	11.492	11.497	(0.994)	72835	2.31548	96.478
149 Indeno(1,2,3-cd)pyrene	276	13.025	13.020	(1.127)	59795	1.88238	78.432
150 Dibenz(a,h)anthracene	278	13.041	13.047	(1.129)	13747	1.28305	53.460
151 Benzo(g,h,i)perylene	276	13.458	13.458	(1.165)	84846	2.00540	83.558
$ 154 Nitrobenzene-d5	82	4.814	4.825	(0.891)	32041	4.03565	168.15
$ 155 2-Fluorobiphenyl	172	6.273	6.283	(0.920)	80392	3.88652	161.94
$ 156 Terphenyl-d14	244	9.280	9.280	(0.915)	104189	3.43561	143.15
$ 157 Phenol-d5	99	4.088	4.098	(0.935)	46537	5.55024	231.26
$ 158 2-Fluorophenol	112	3.260	3.281	(0.746)	28127	4.95847	206.60
$ 159 2,4,6-Tribromophenol	330	7.448	7.453	(0.930)	15108	4.93710	205.71
$ 186 2-Chlorophenol-d4	132	4.178	4.195	(0.956)	40160	4.95053	206.27
$ 187 1,2-Dichlorobenzene-d4	152	4.494	4.504	(1.028)	19058	3.01910	125.80

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D

Date : 04-NOV-2010 18:10

Client ID: 20100839 SD10-06

Instrument: 732.i

Sample Info: c0k030562-004 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

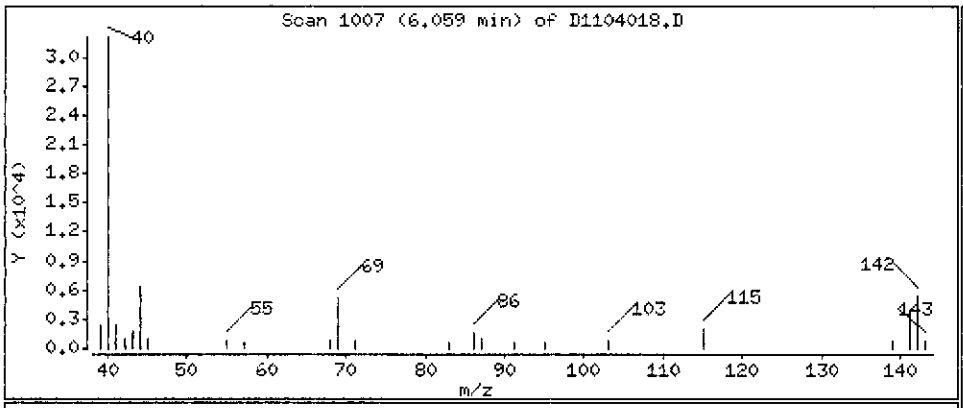
Operator: 430261nc

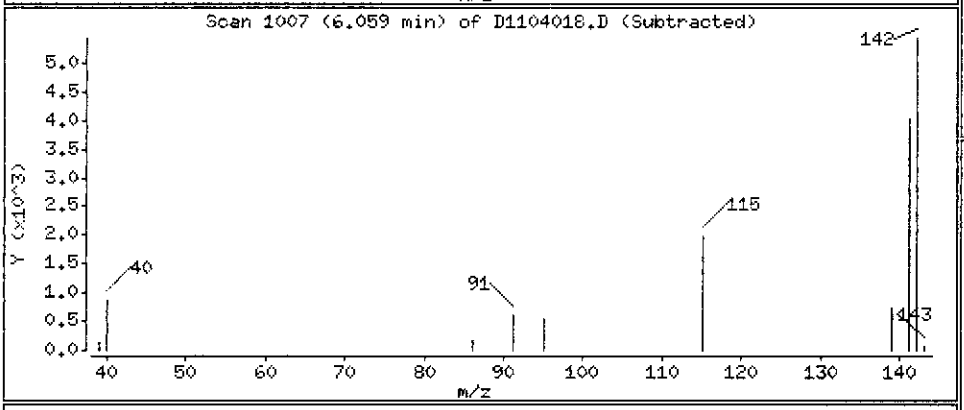
Column phase: DB5-MS

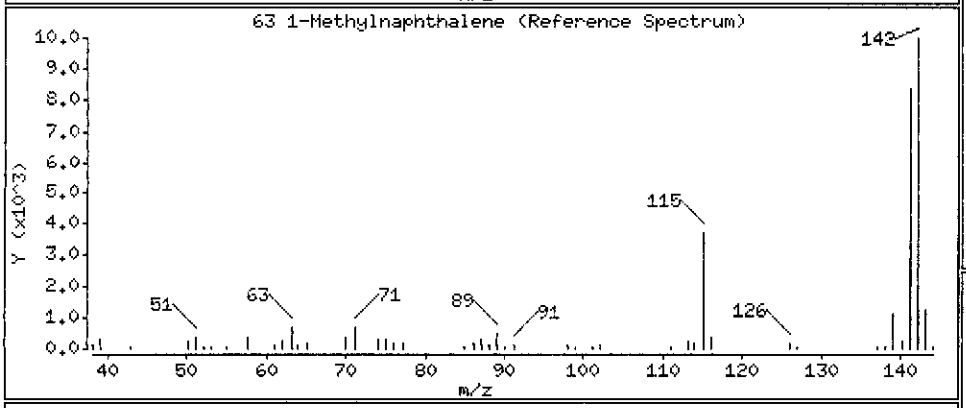
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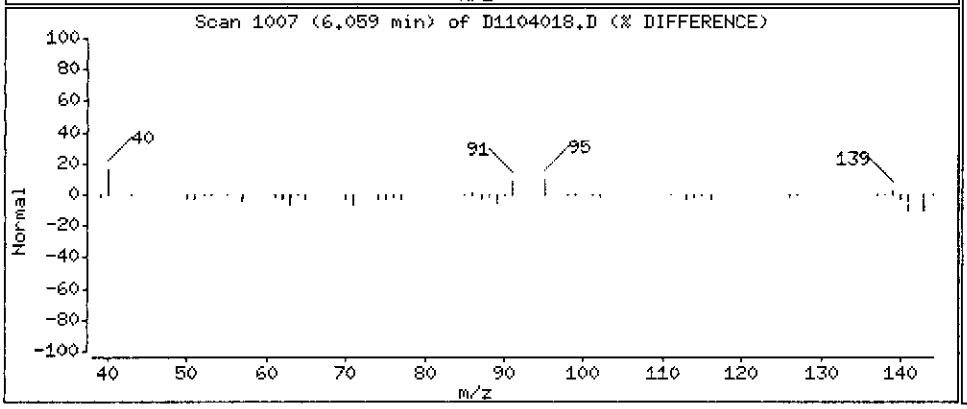
63 1-Methylnaphthalene

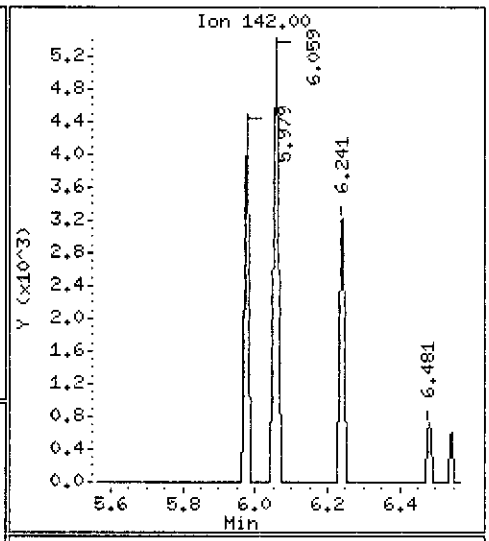
Concentration: 7.8790 ug/kg

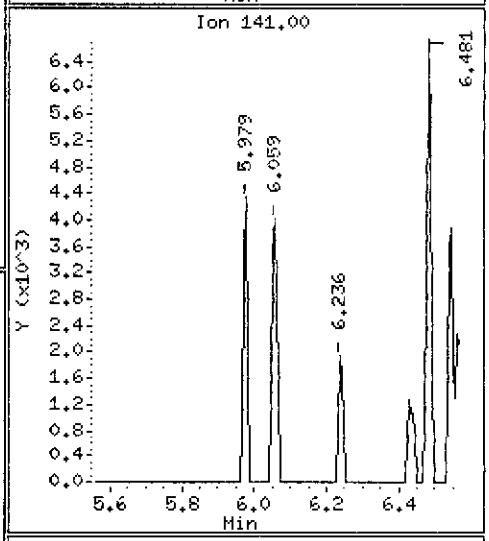


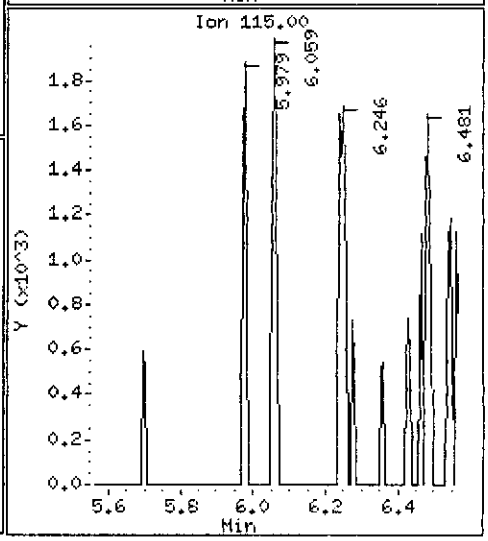












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D

Date : 04-NOV-2010 18:10

Client ID: 20100839 SD10-06

Instrument: 732.i

Sample Info: c0k030562-004 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

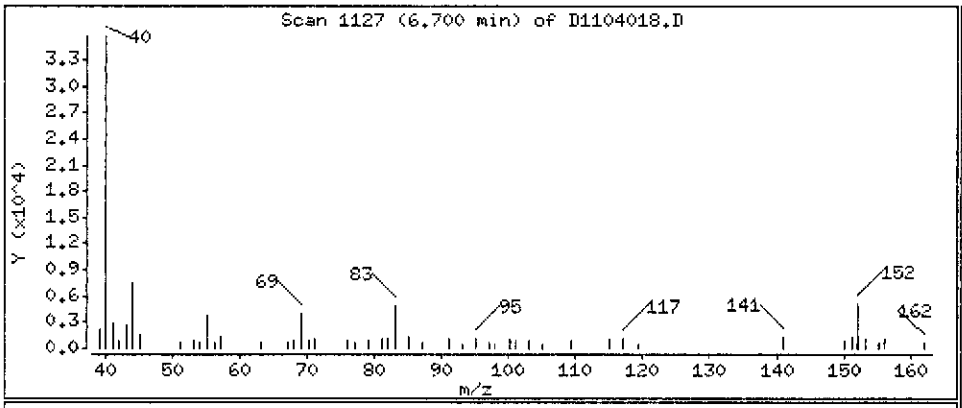
Operator: 430261nc

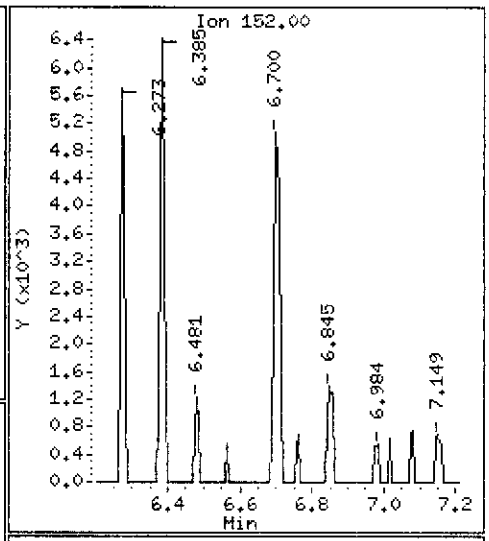
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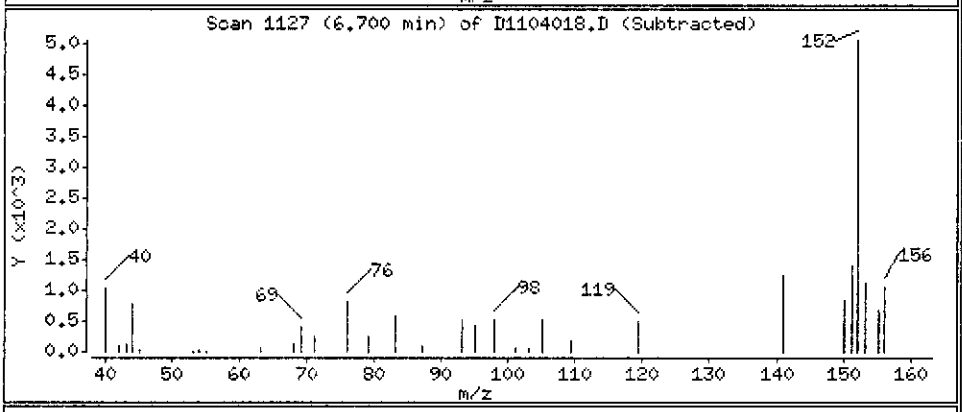
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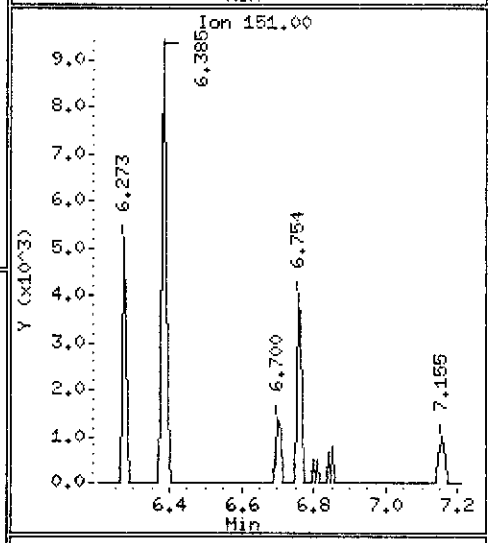
79 Acenaphthylene

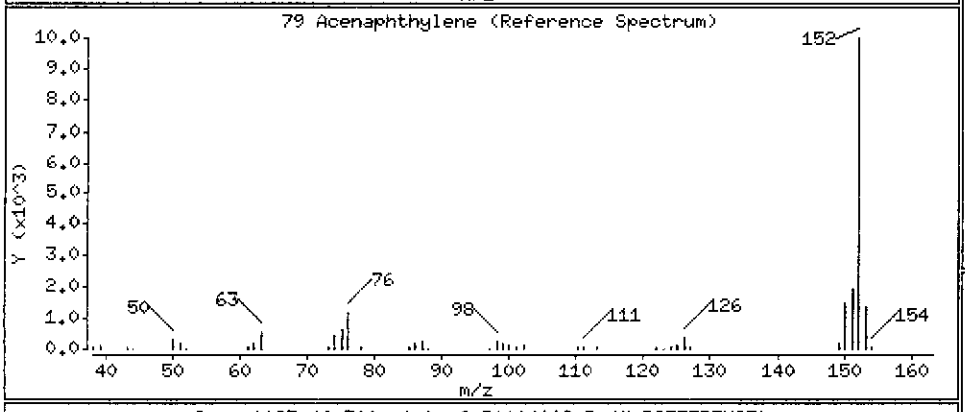
Concentration: 5.6644 ug/kg

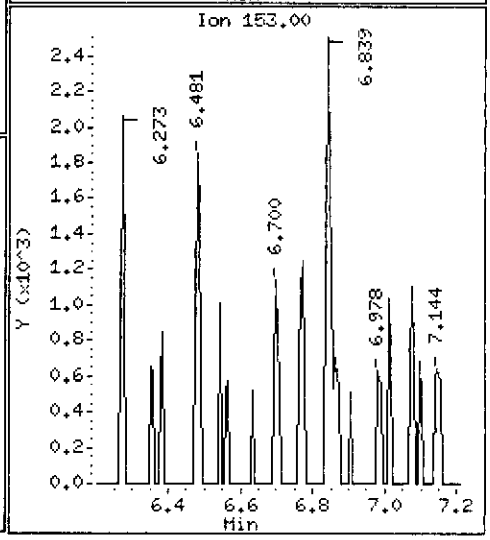


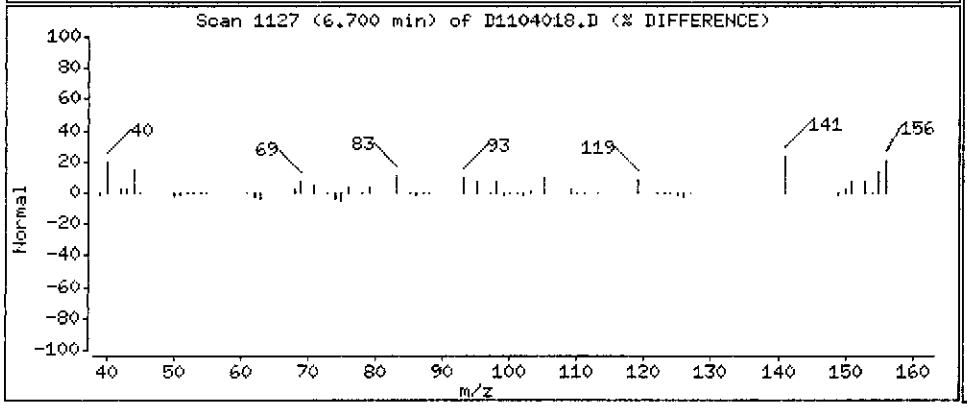












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D

Date : 04-NOV-2010 18:10

Client ID: 20100839 SD10-06

Instrument: 732.i

Sample Info: c0k030562-004 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

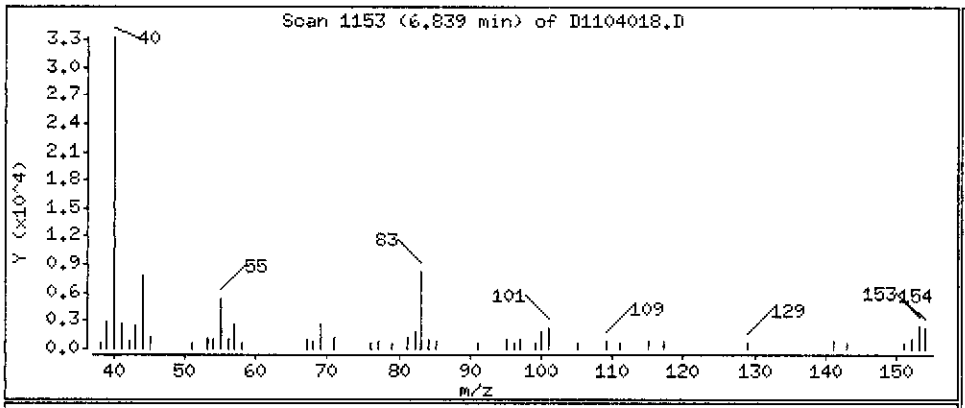
Operator: 430261nc

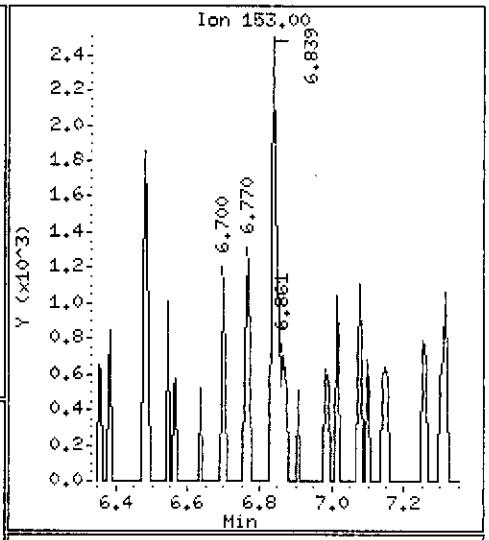
Column phase: DB5-MS

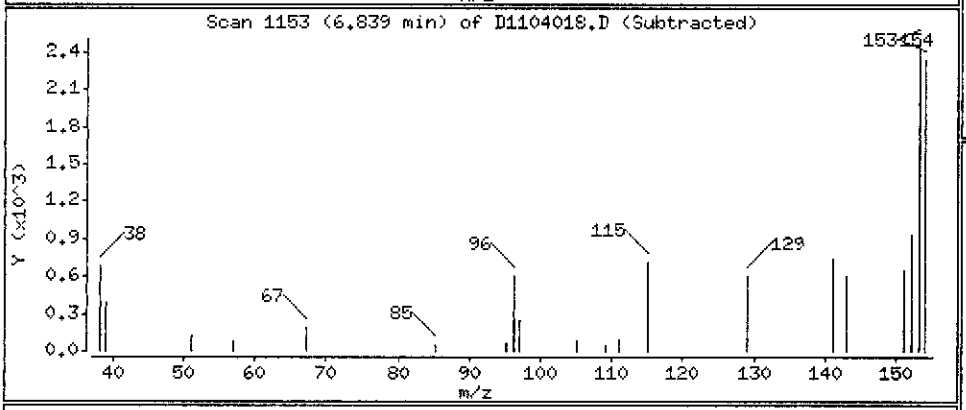
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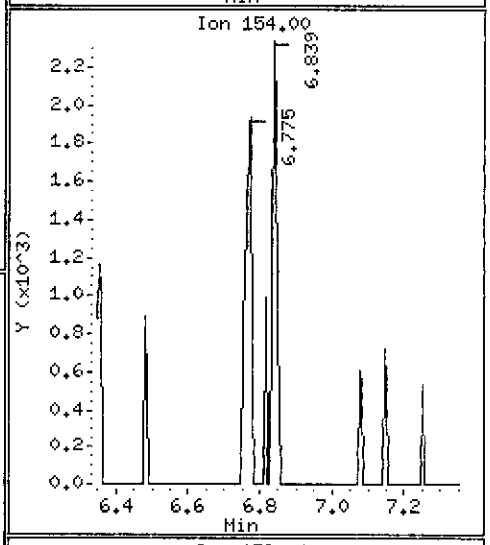
82 Acenaphthene

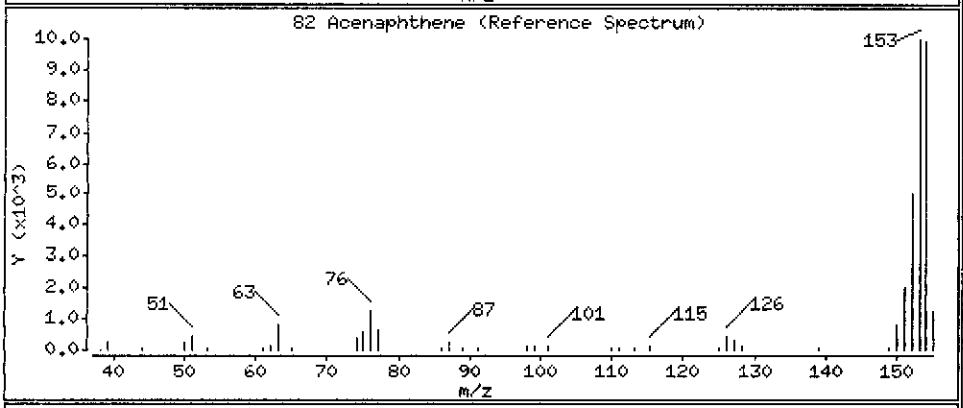
Concentration: 4.8372 ug/kg

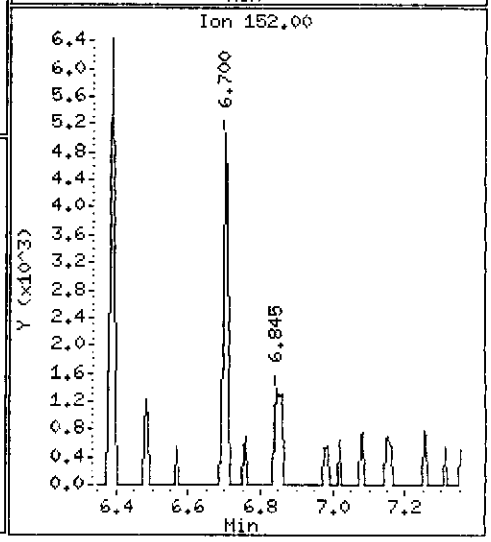


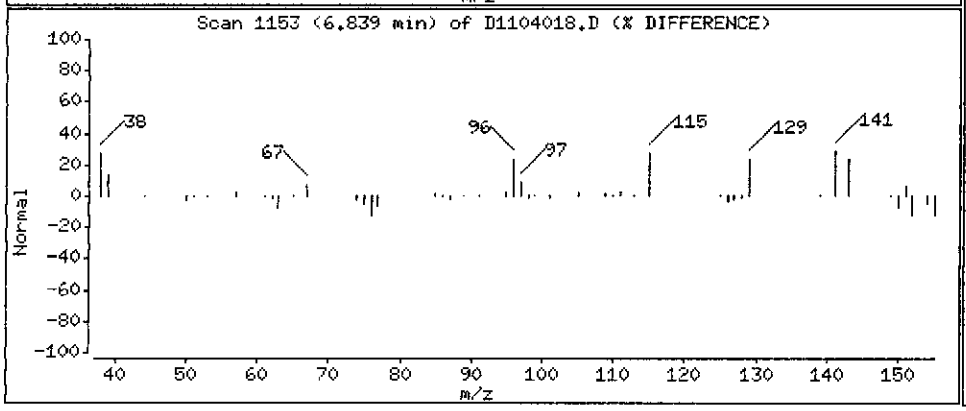












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D

Date : 04-NOV-2010 18:10

Client ID: 20100839 SD10-06

Instrument: 732.i

Sample Info: c0k030562-004 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

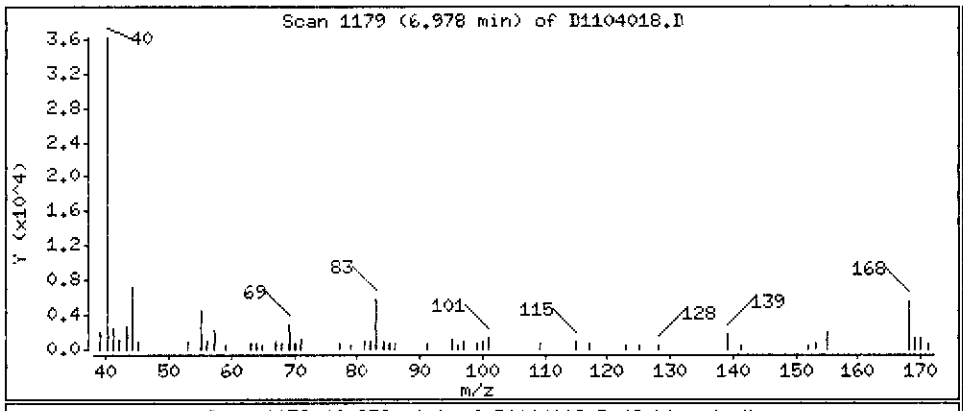
Operator: 430261nc

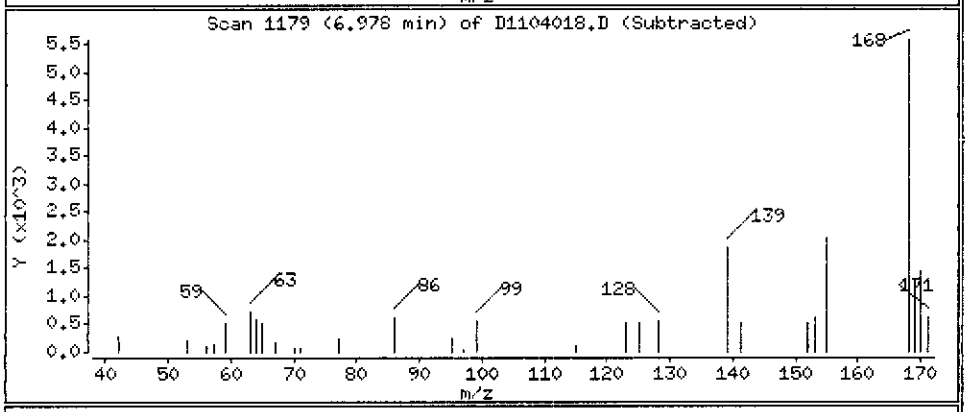
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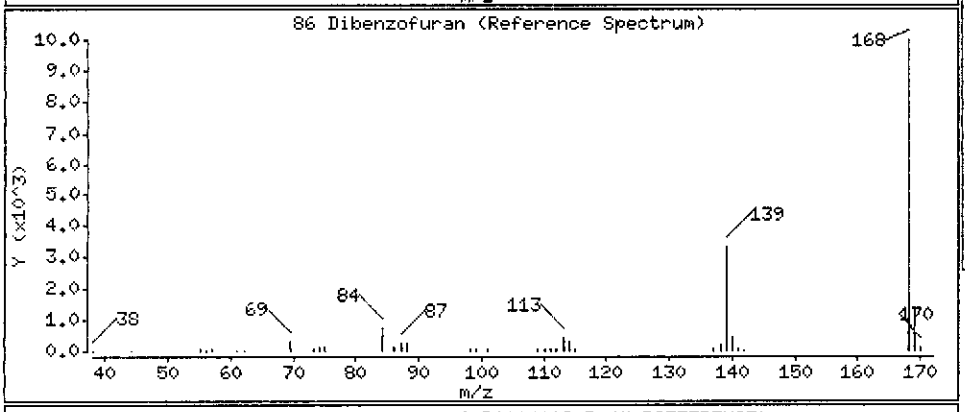
Column diameter: 0.32

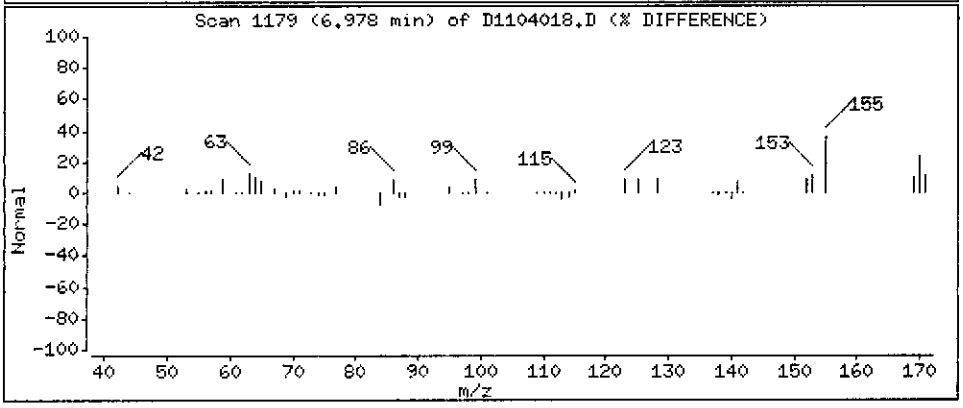
86 Dibenzofuran

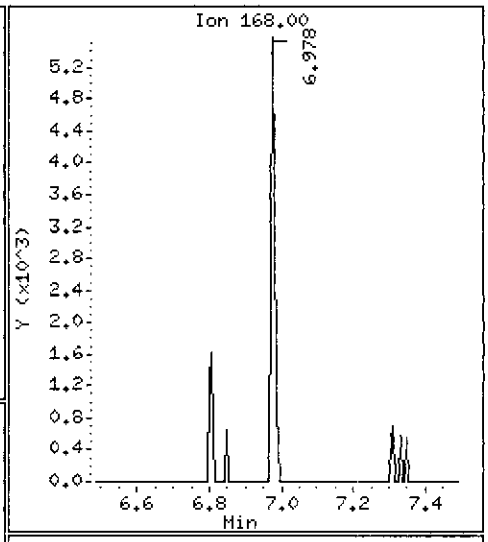
Concentration: 5.6642 ug/kg

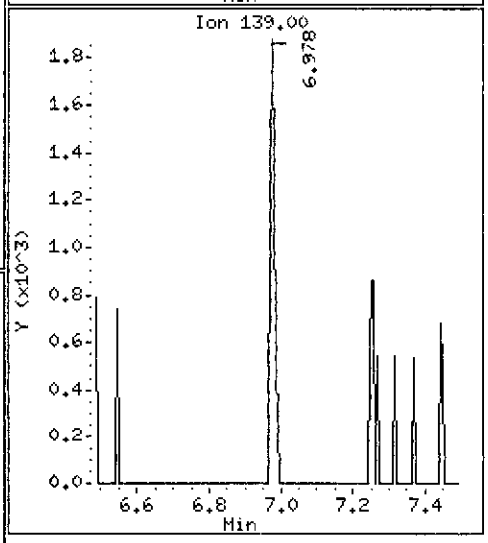












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D

Date : 04-NOV-2010 18:10

Client ID: 20100839 SD10-06

Instrument: 732.i

Sample Info: c0k030562-004 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

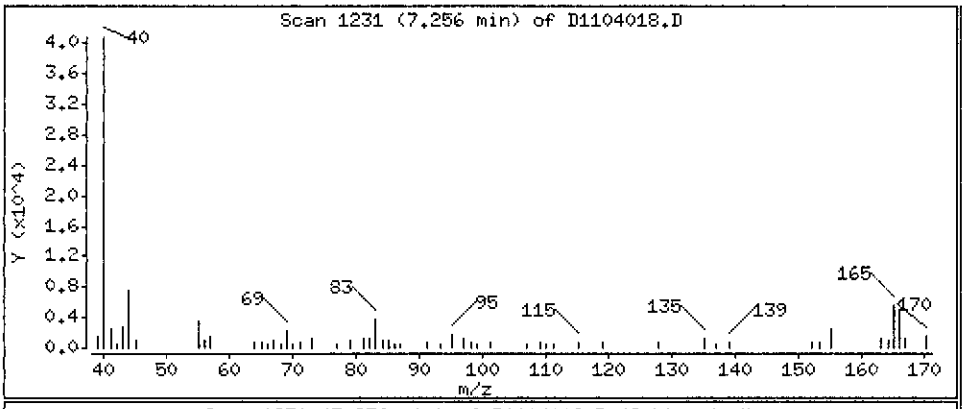
Operator: 430261nc

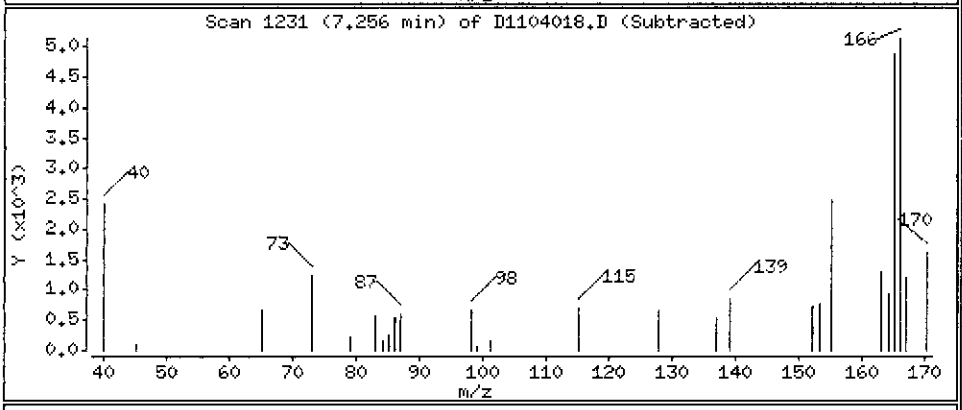
Column phase: DB5-MS

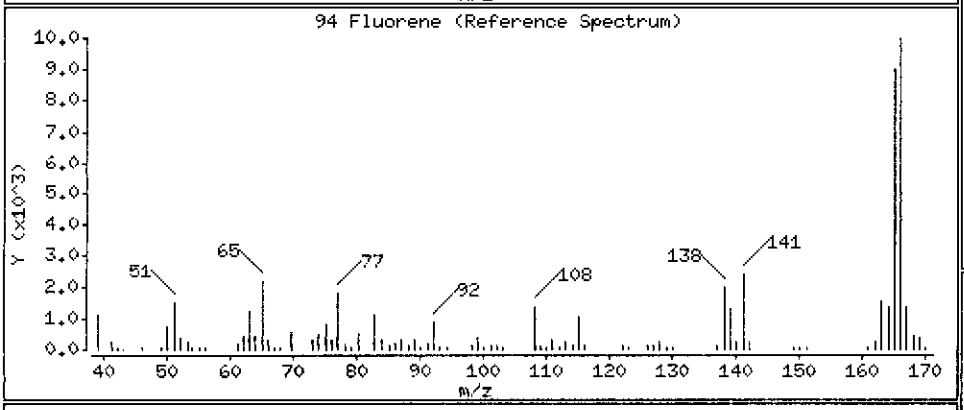
Column diameter: 0.32

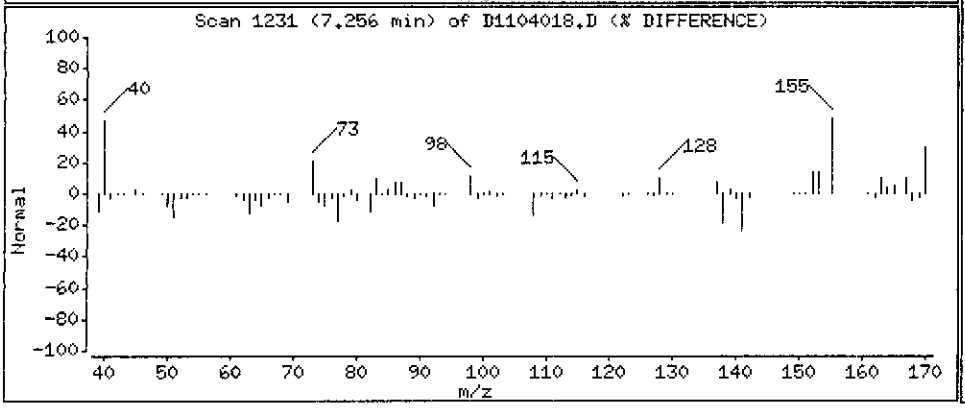
94 Fluorene

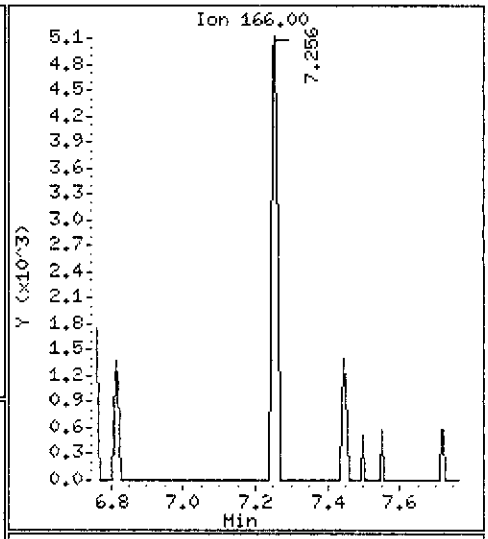
Concentration: 4.6684 ug/kg

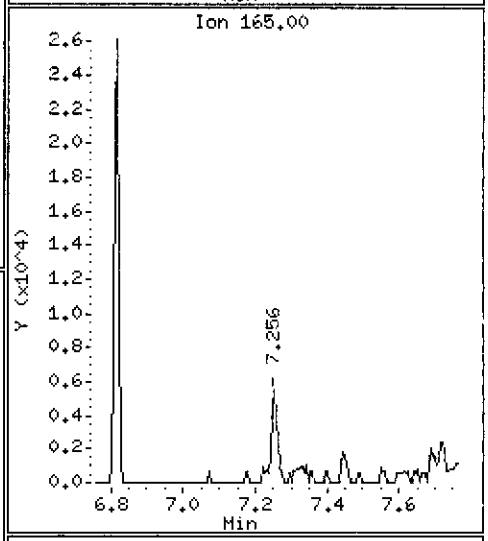


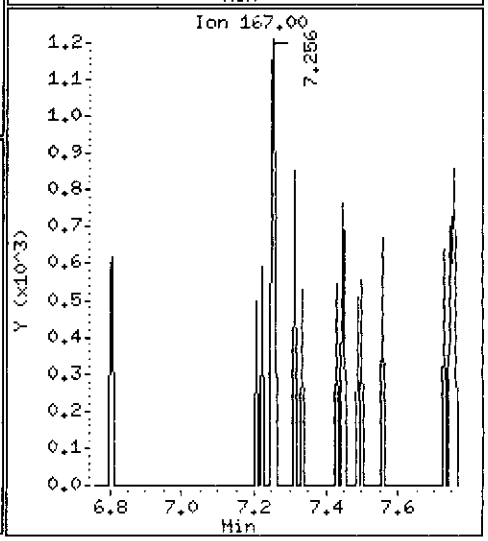












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D

Date : 04-NOV-2010 18:10

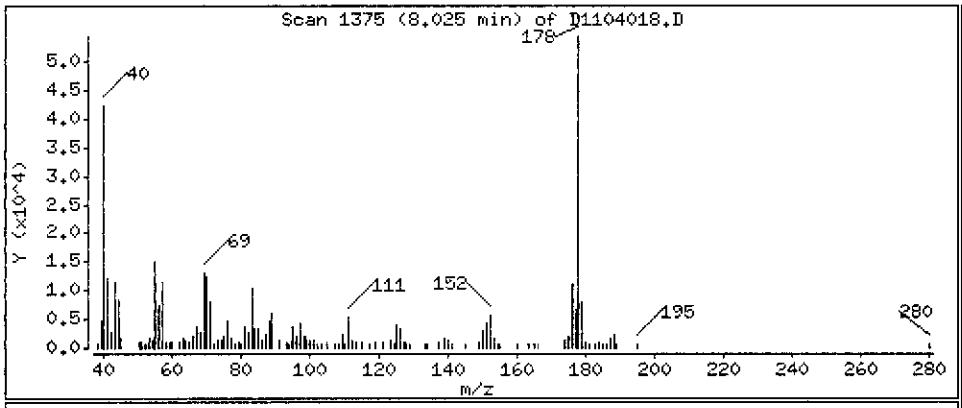
Client ID: 20100839 SD10-06 Instrument: 732.i

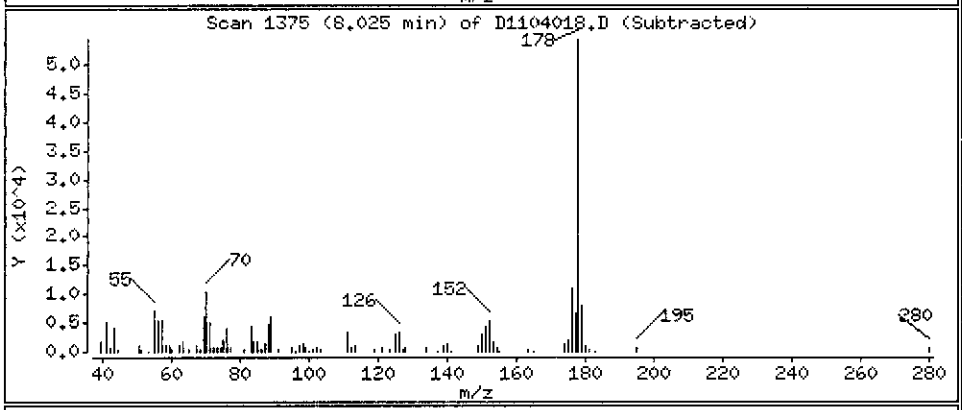
Sample Info: c0k030562-004 5x 11/04/10 sedS42(0308035)

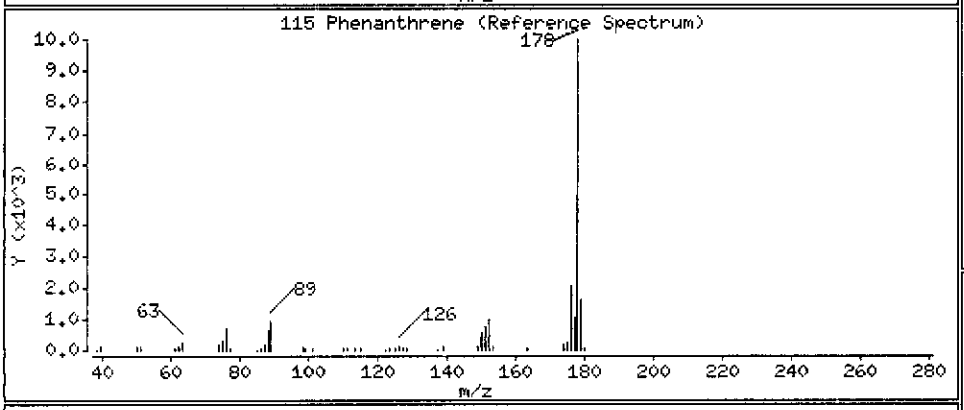
Volume Injected (uL): 2.0 Operator: 430261nc

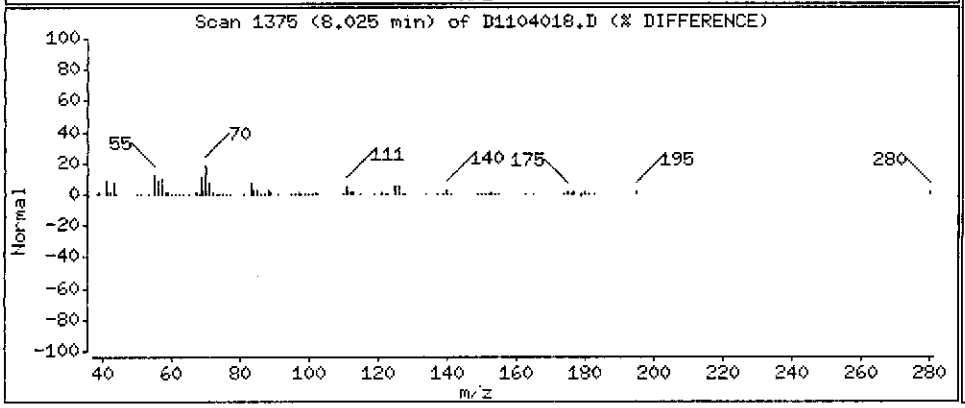
Column phase: DB5-MS Column diameter: 0.32

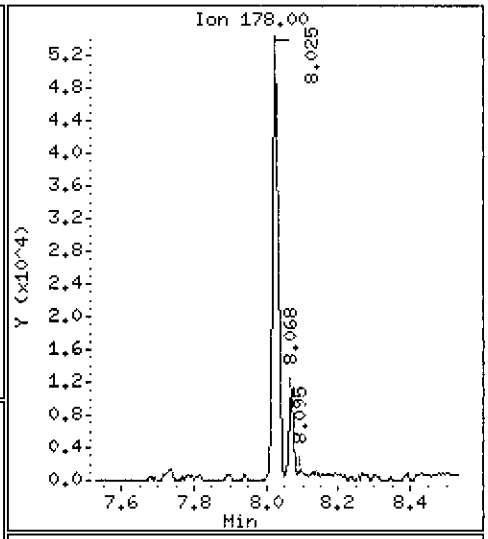
115 Phenanthrene Concentration: 49.901 ug/kg

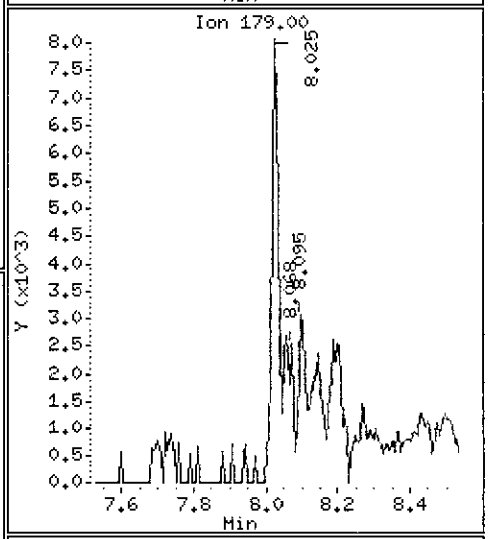


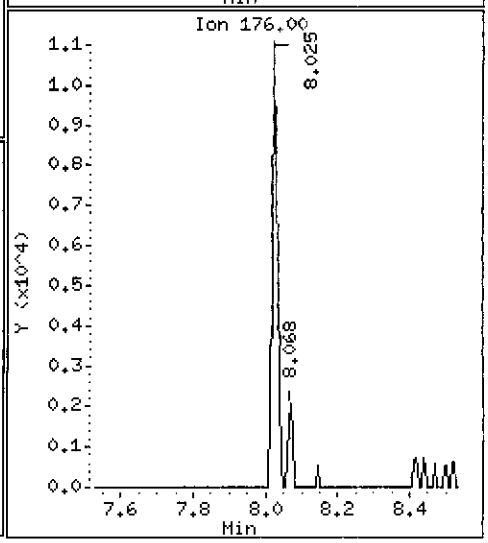












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D

Date : 04-NOV-2010 18:10

Client ID: 20100839 SD10-06

Instrument: 732.i

Sample Info: c0k030562-004 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

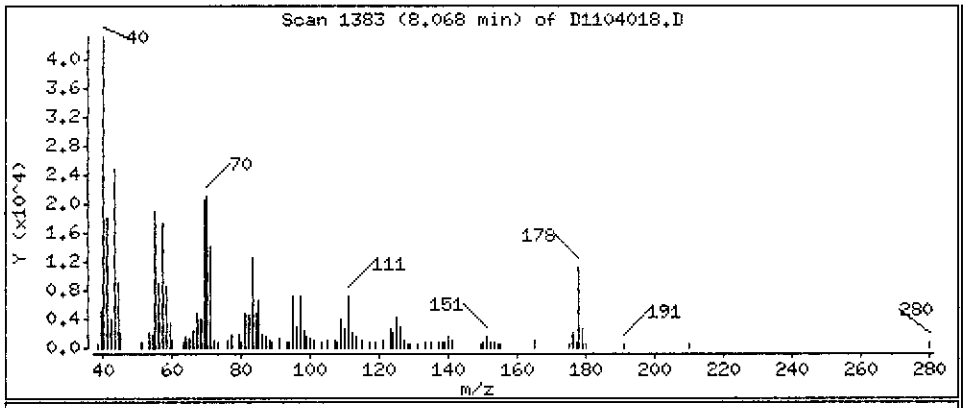
Operator: 430261nc

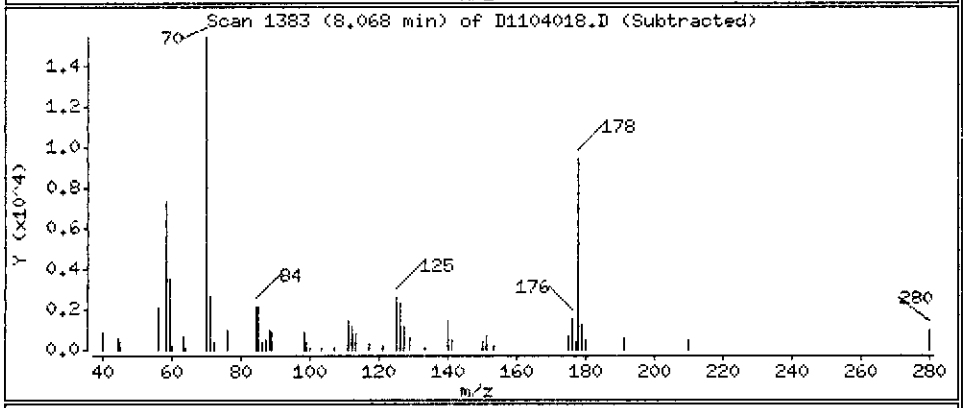
Column phase: DB5-MS

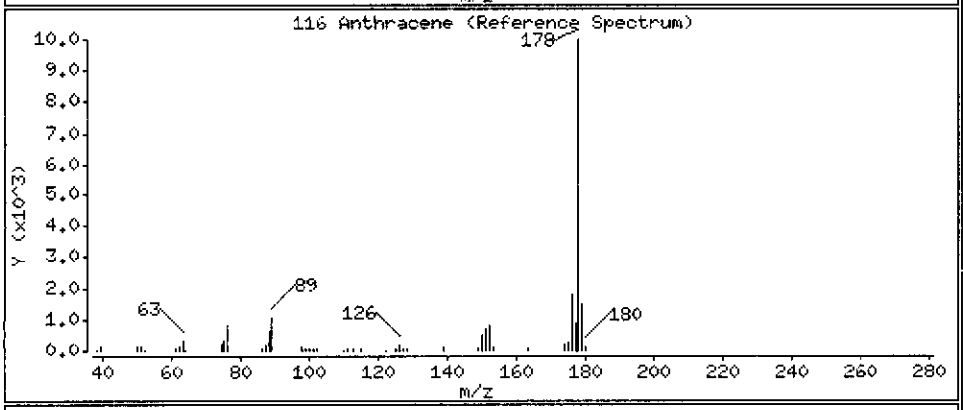
Column diameter: 0.32

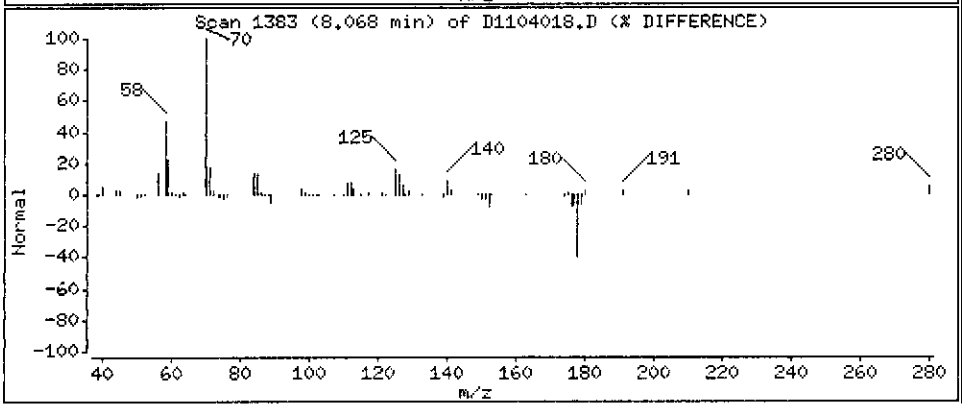
116 Anthracene

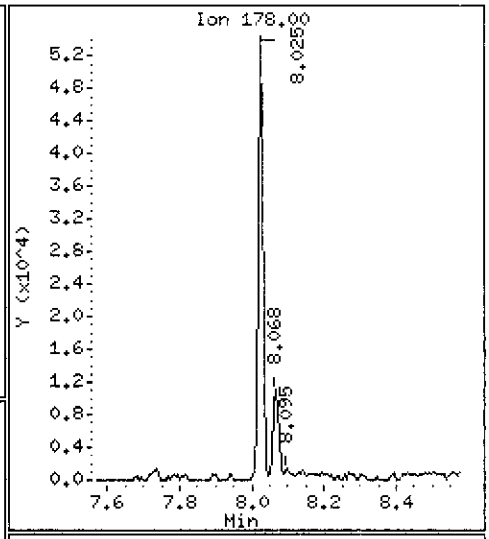
Concentration: 9.9555 ug/kg

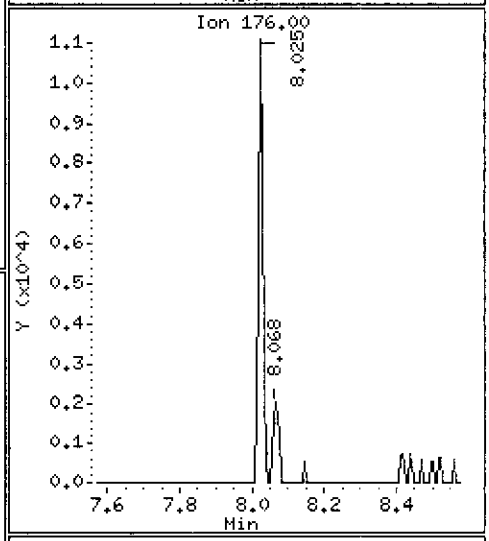


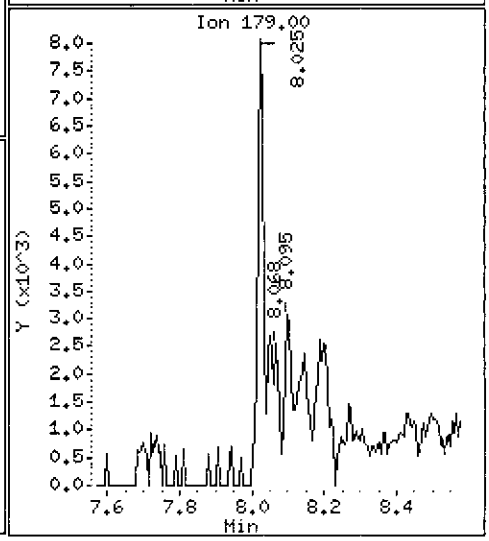












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D

Date : 04-NOV-2010 18:10

Client ID: 20100839 SD10-06

Instrument: 732.i

Sample Info: c0k030562-004 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

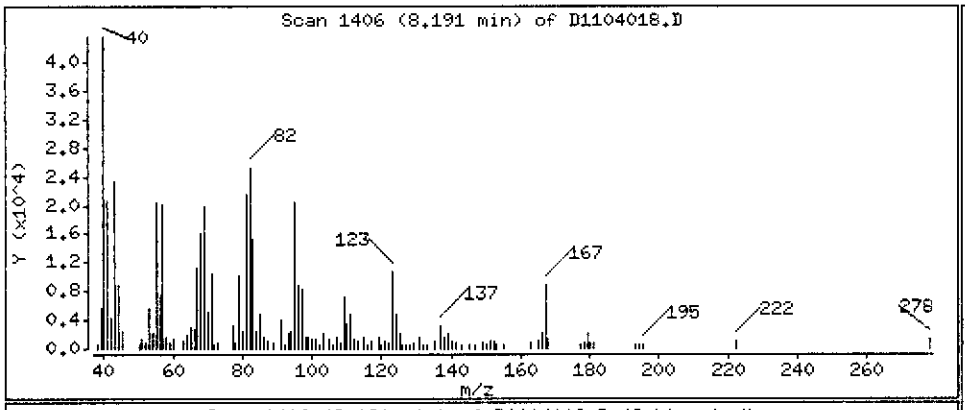
Operator: 430261nc

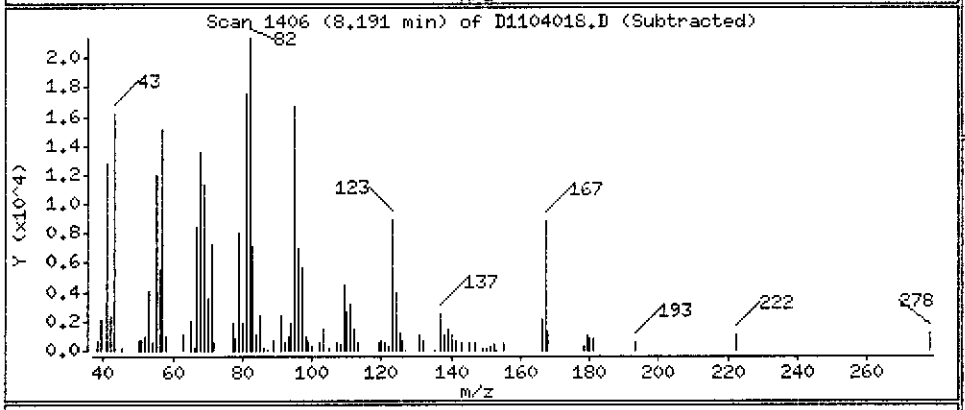
Column phase: DB5-MS

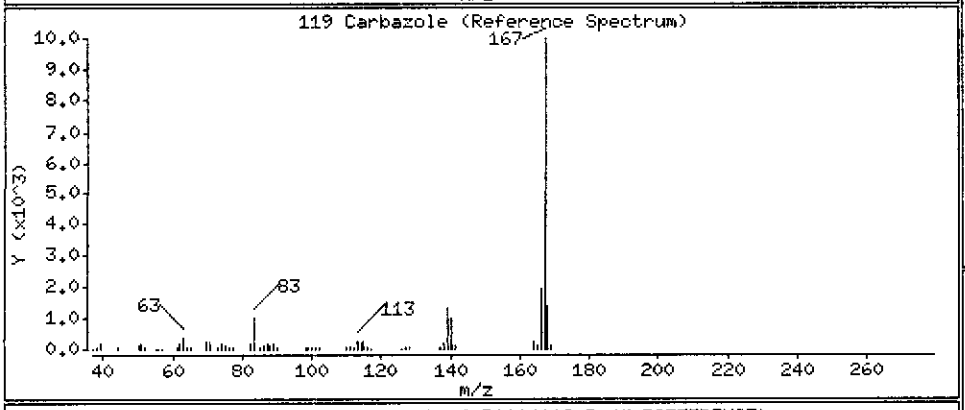
Column diameter: 0.32

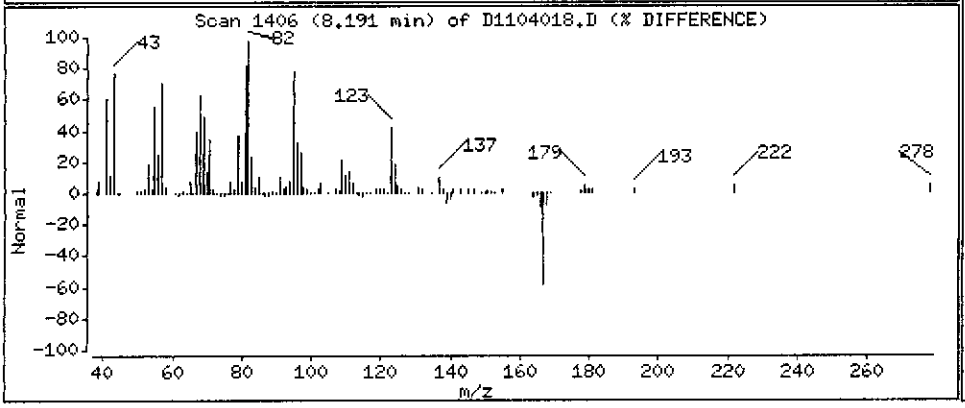
119 Carbazole

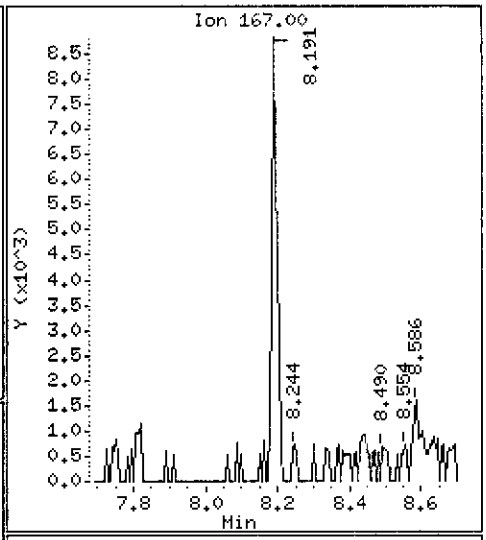
Concentration: 8.3273 ug/kg

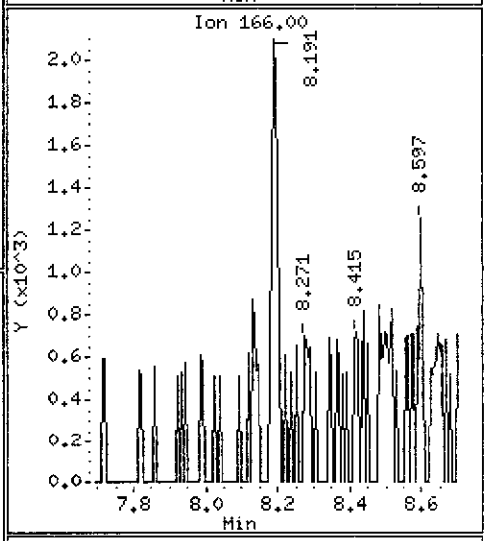


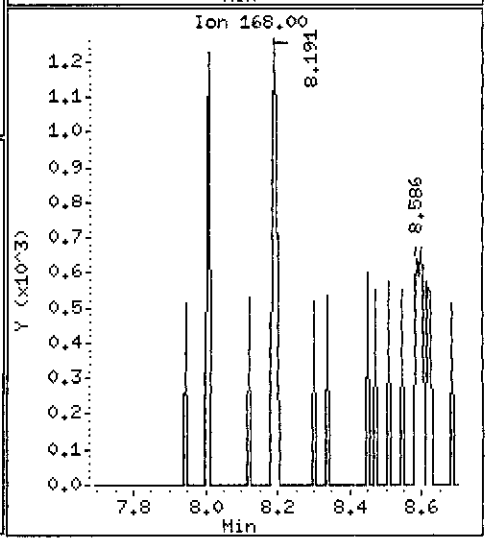












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D

Date : 04-NOV-2010 18:10

Client ID: 20100839 SD10-06

Instrument: 732.i

Sample Info: c0k030562-004 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

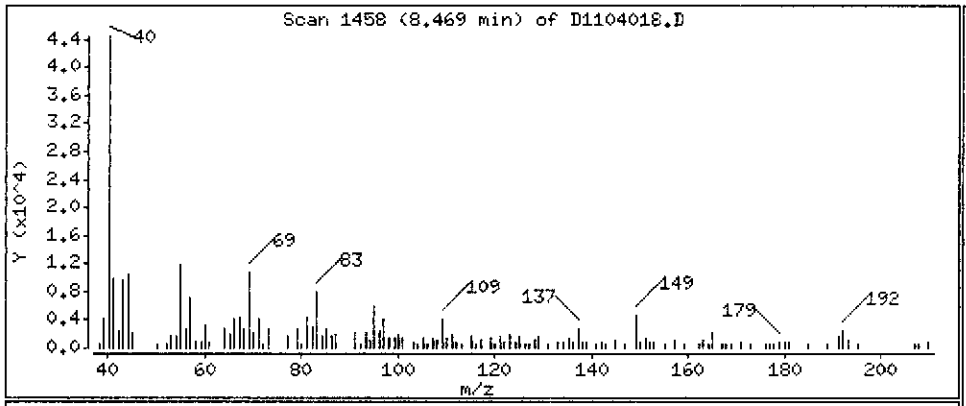
Operator: 430261nc

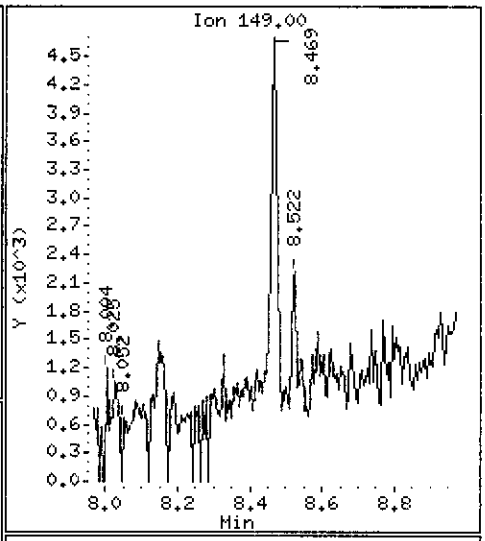
Column phase: DB5-MS

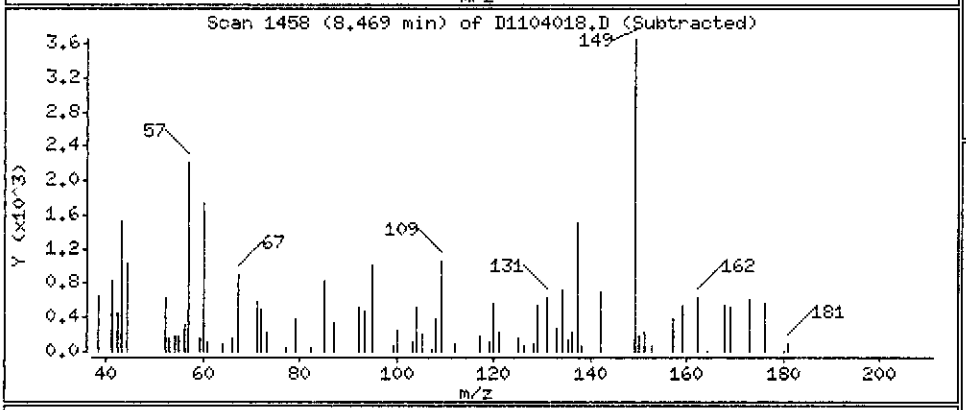
Column diameter: 0.32

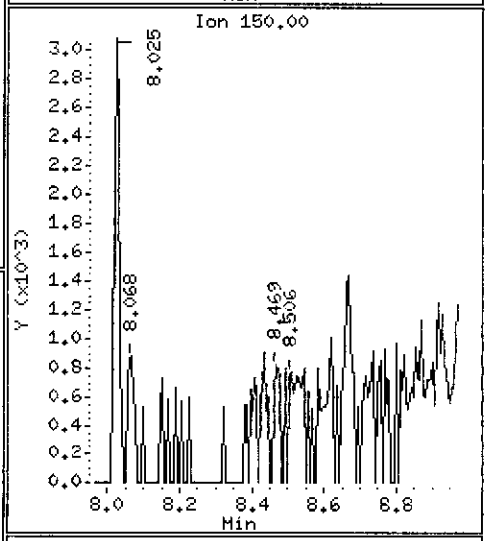
120 Di-n-Butylphthalate

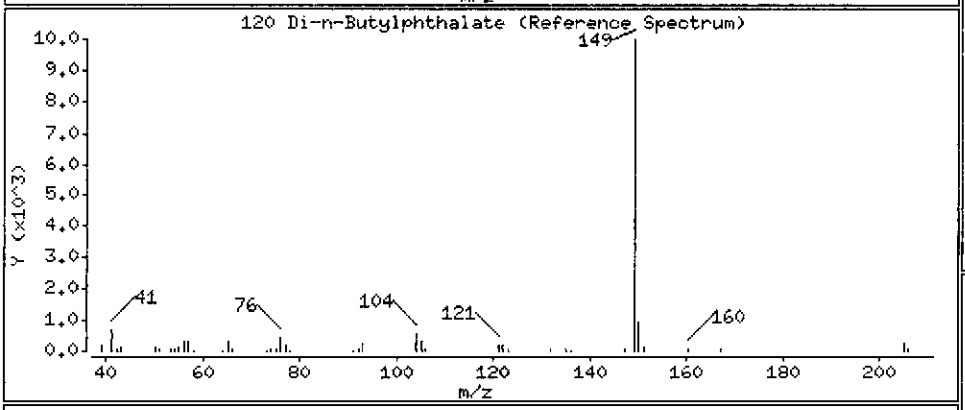
Concentration: 3.6039 ug/kg

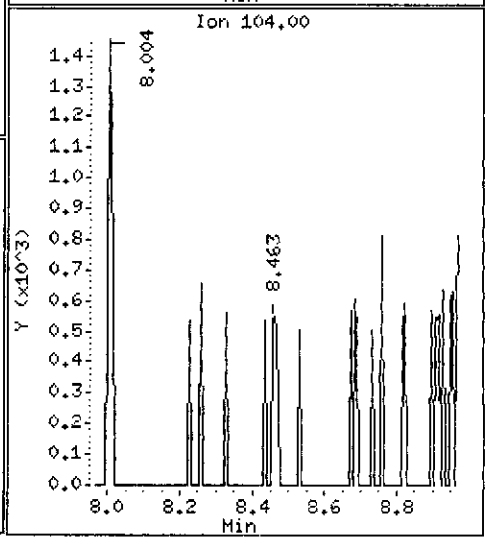


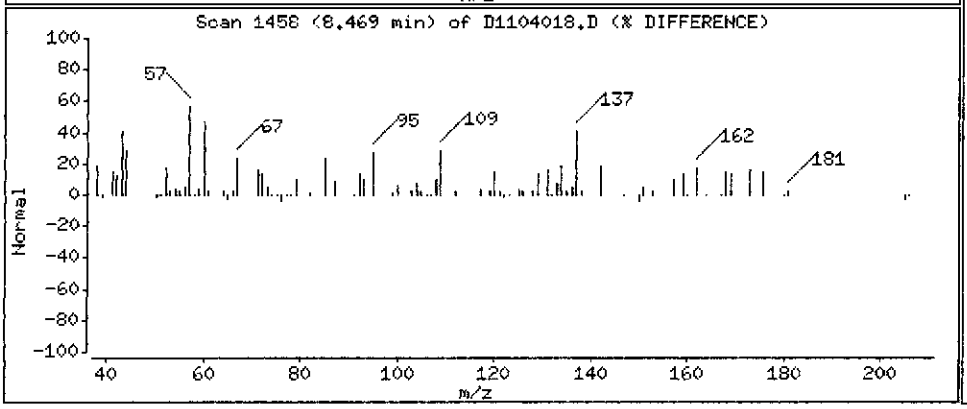












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D

Date : 04-NOV-2010 18:10

Client ID: 20100839 SD10-06

Instrument: 732.i

Sample Info: c0k030562-004 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

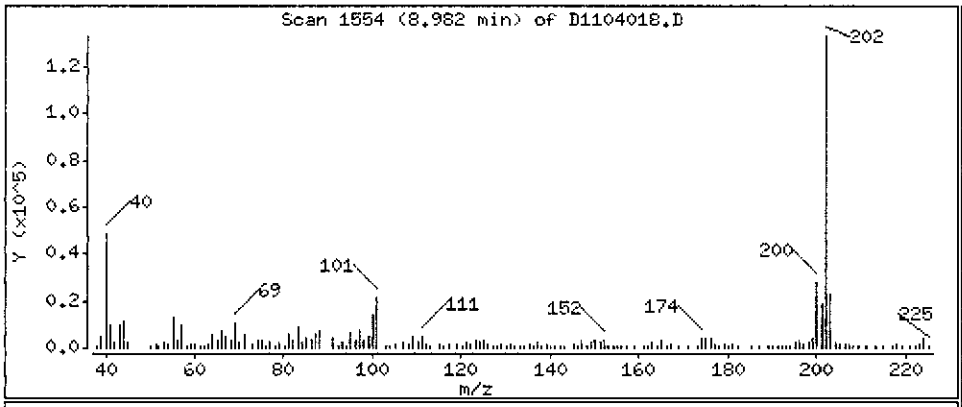
Operator: 430261nc

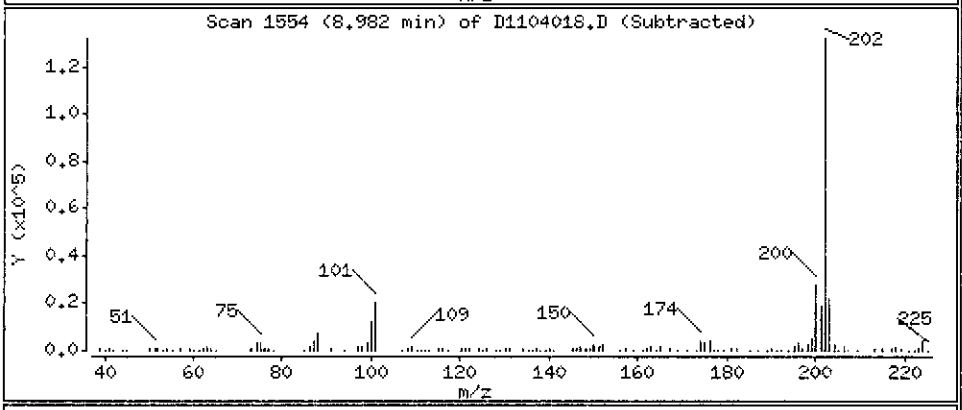
Column phase: DB5-MS

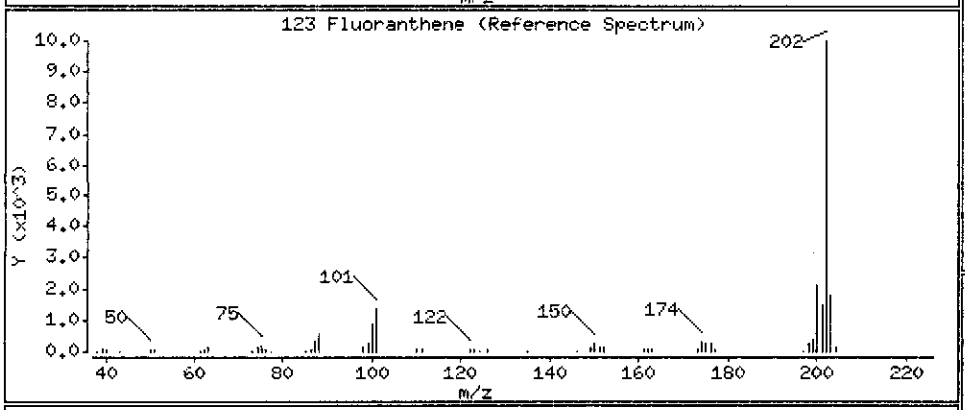
Column diameter: 0.32

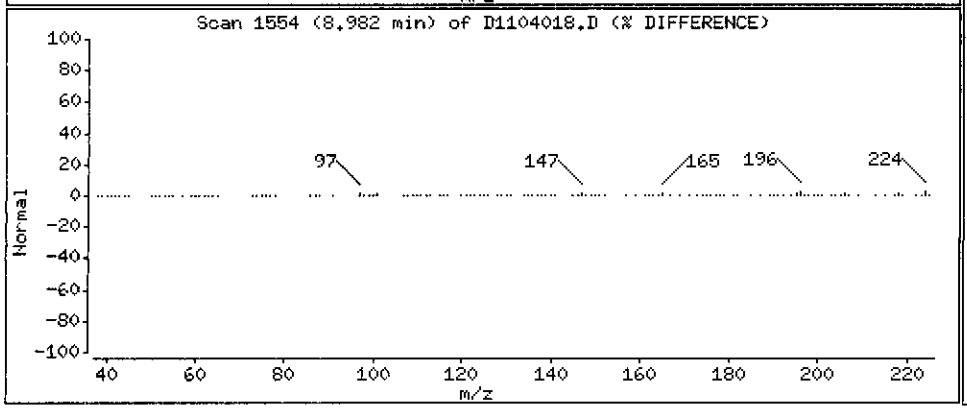
123 Fluoranthene

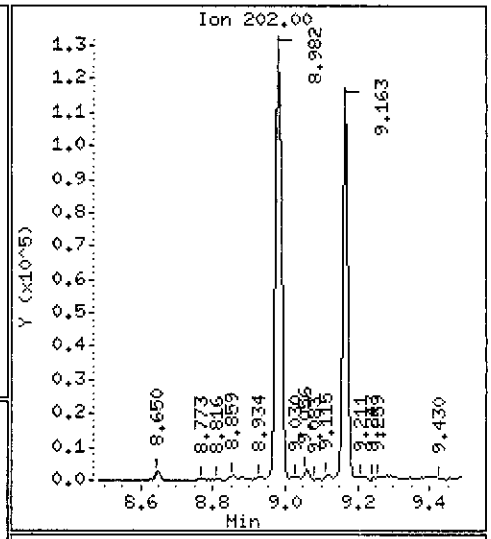
Concentration: 117.43 ug/kg

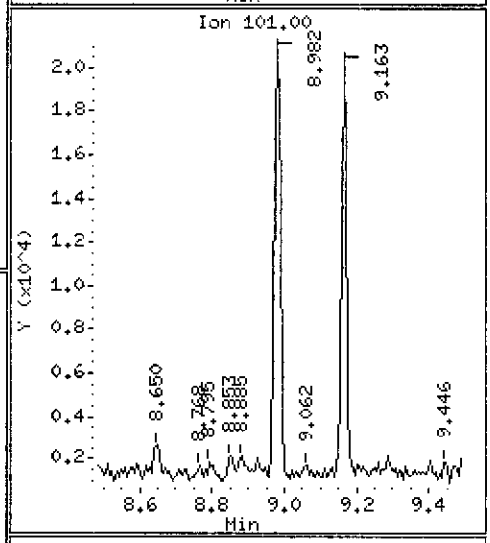


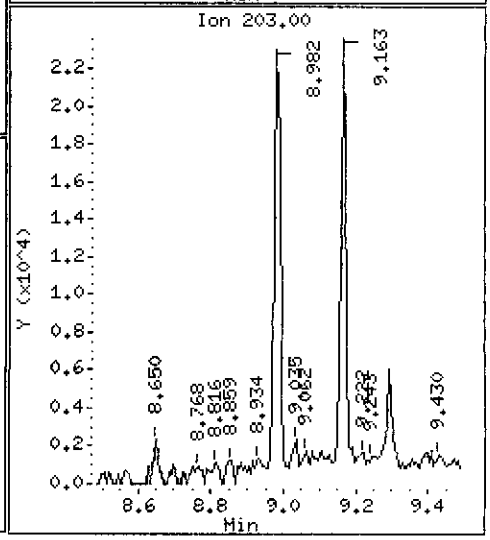












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D

Date : 04-NOV-2010 18:10

Client ID: 20100839 SD10-06

Instrument: 732.i

Sample Info: c0k030562-004 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

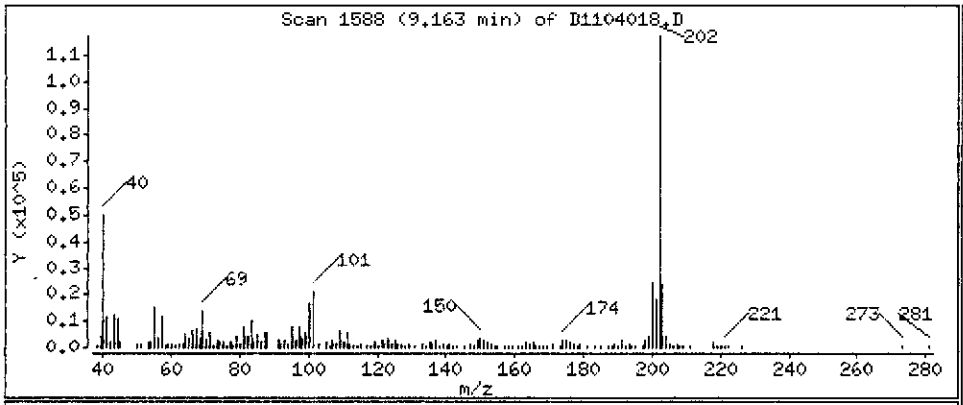
Operator: 430261nc

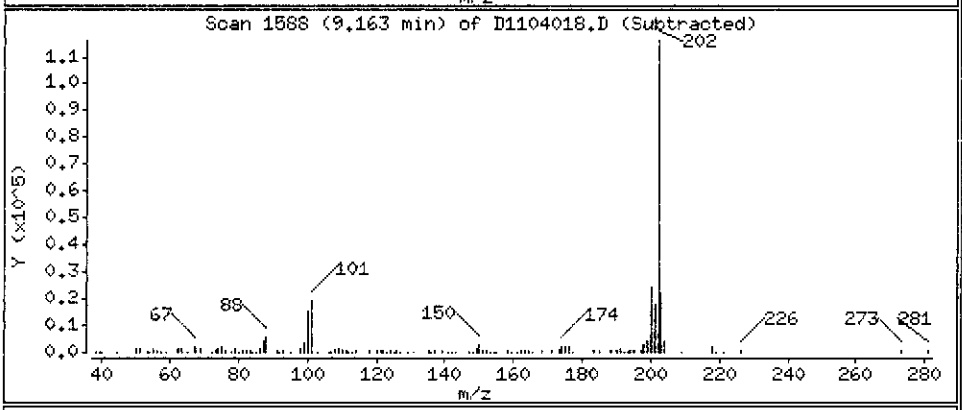
Column phase: DB5-MS

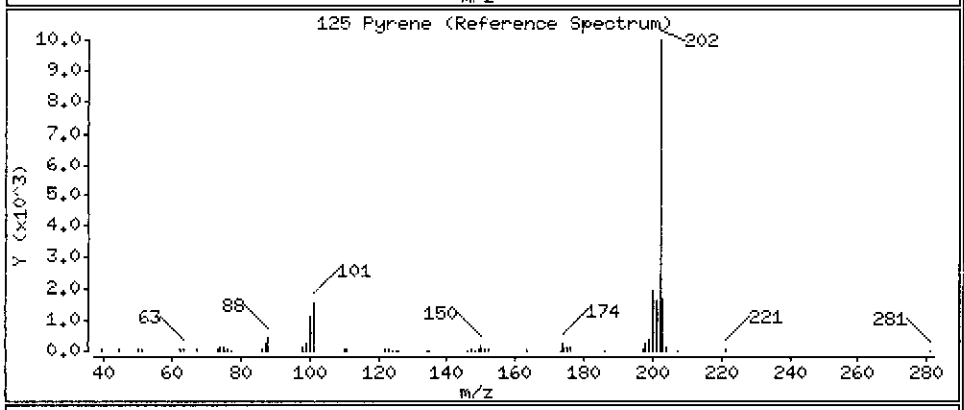
Column diameter: 0.32

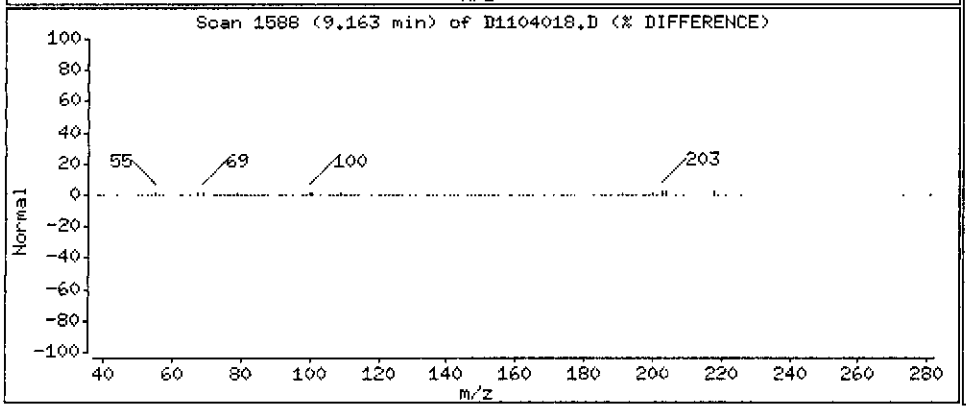
125 Pyrene

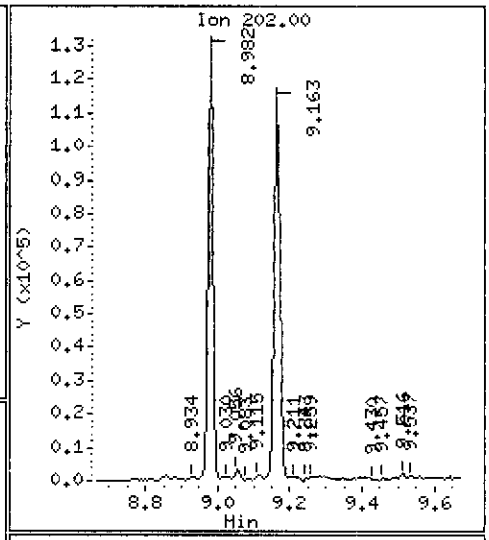
Concentration: 85.219 ug/kg

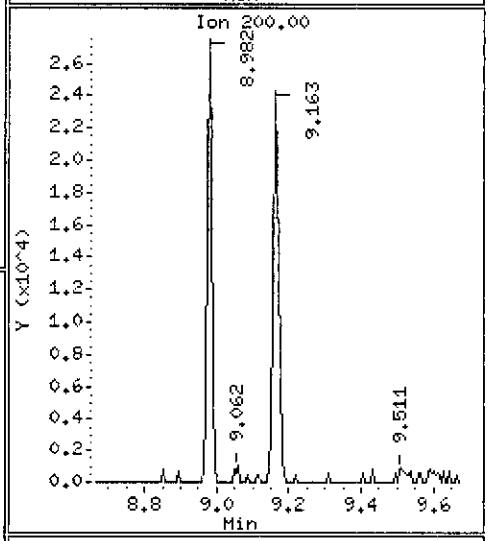


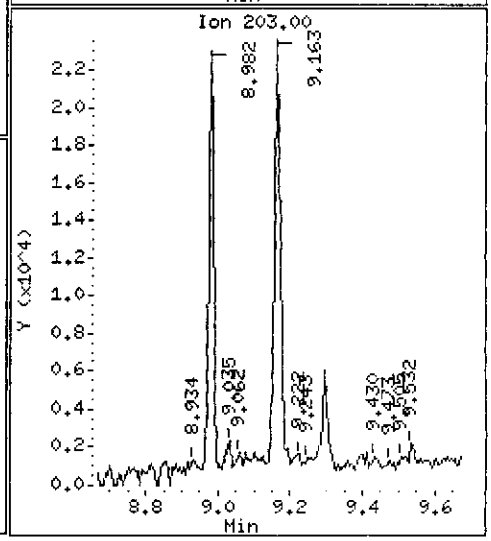












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D

Date : 04-NOV-2010 18:10

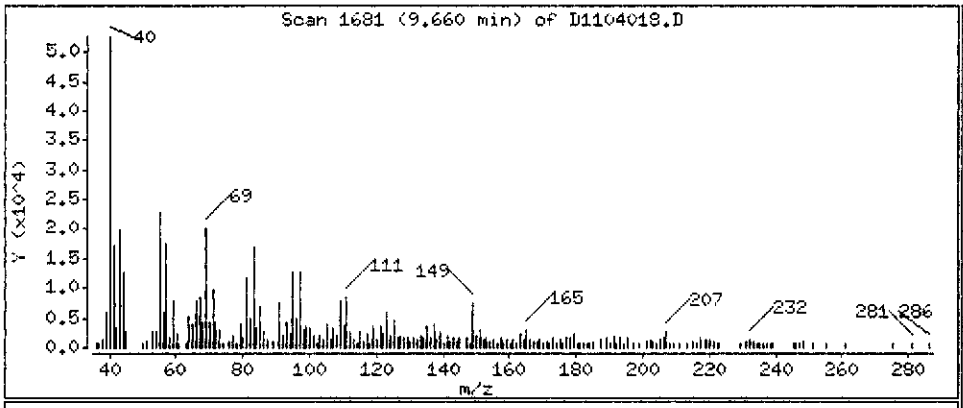
Client ID: 20100839 SD10-06 Instrument: 732.i

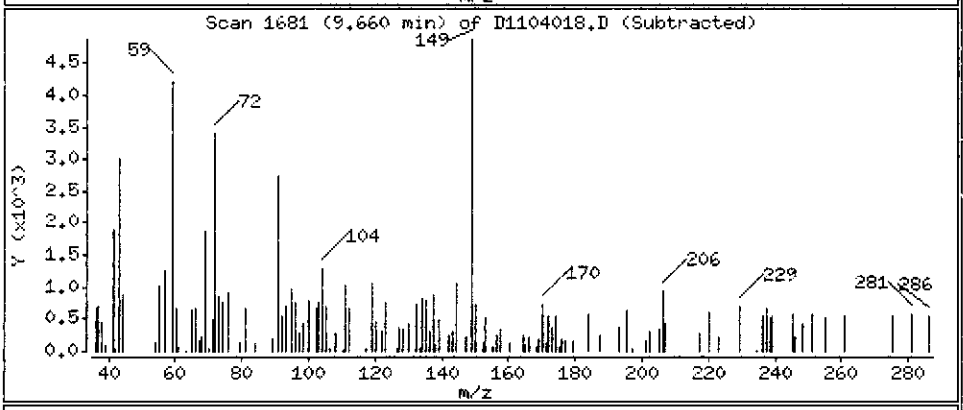
Sample Info: c0k030562-004 5x 11/04/10 sedS42(0308035)

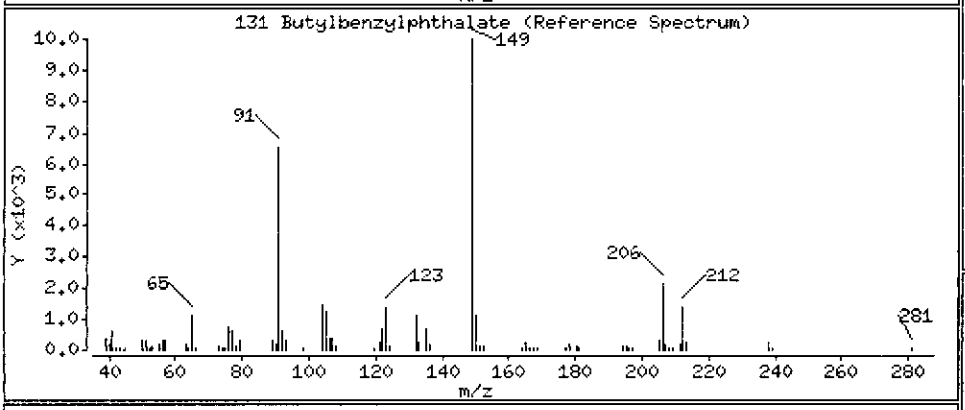
Volume Injected (uL): 2.0 Operator: 430261nc

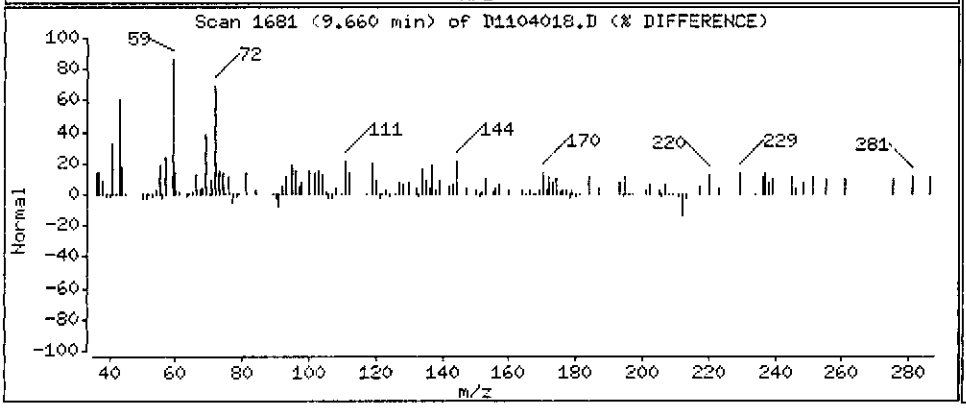
Column phase: DB5-MS Column diameter: 0.32

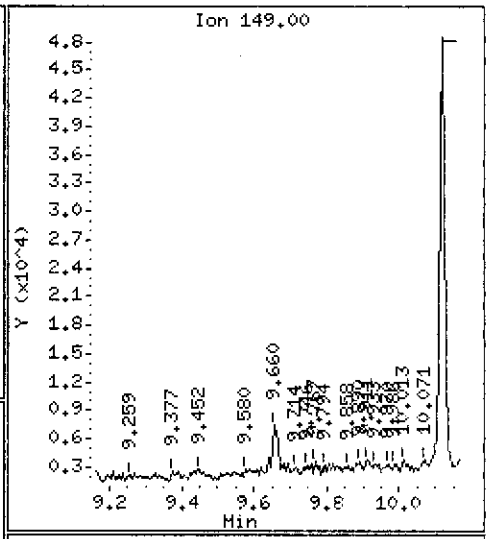
131 Butylbenzylphthalate Concentration: 8.1032 ug/kg

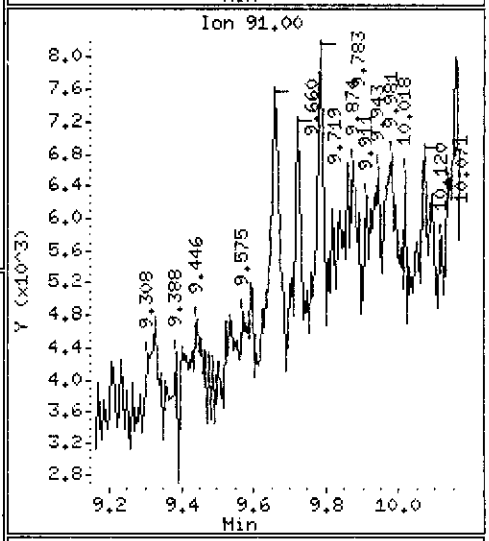


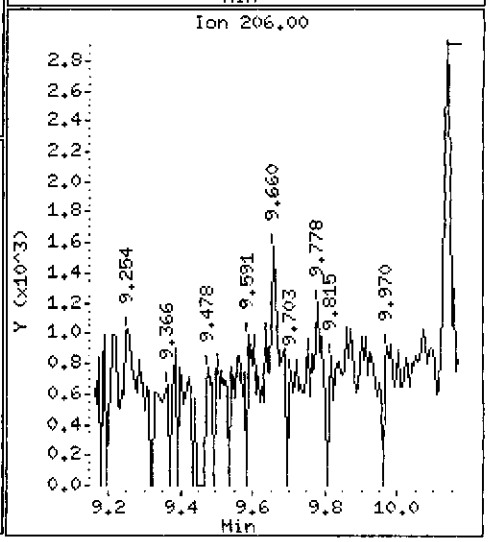












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D

Date : 04-NOV-2010 18:10

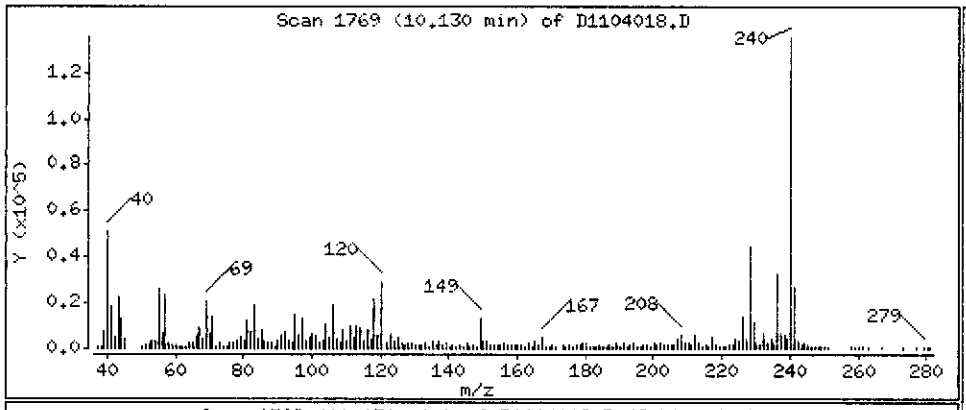
Client ID: 20100839 SD10-06 Instrument: 732.i

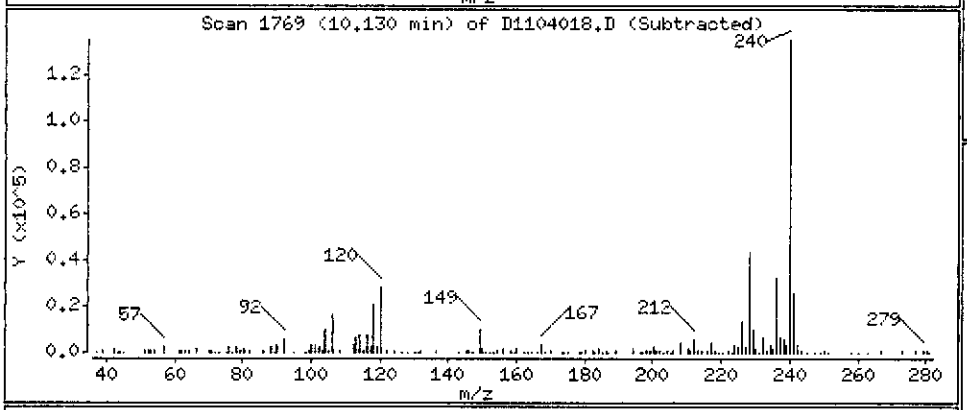
Sample Info: c0k030562-004 5x 11/04/10 sed$42(0308035)

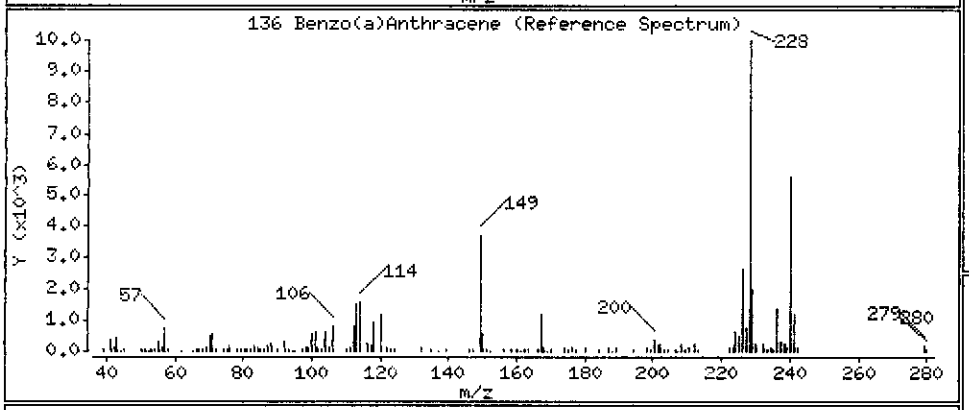
Volume Injected (uL): 2.0 Operator: 430261nc

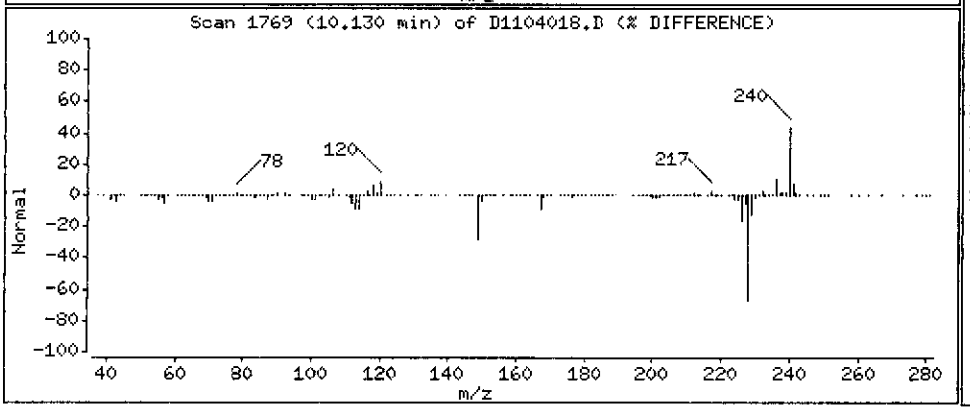
Column phase: DB5-MS Column diameter: 0.32

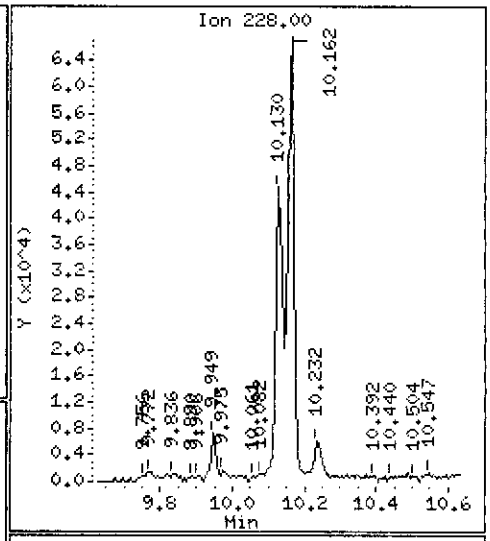
136 Benzo(a)Anthracene Concentration: 45.965 ug/kg

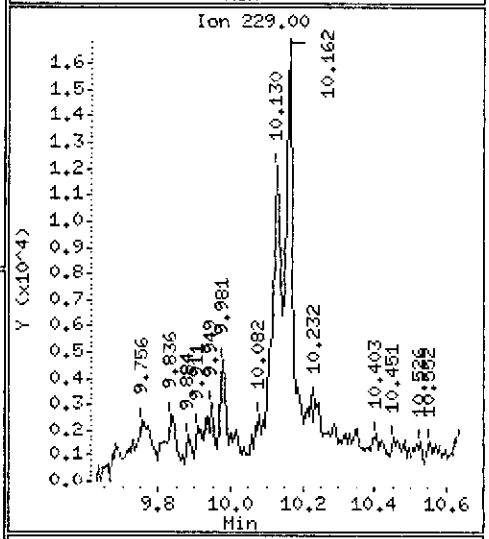


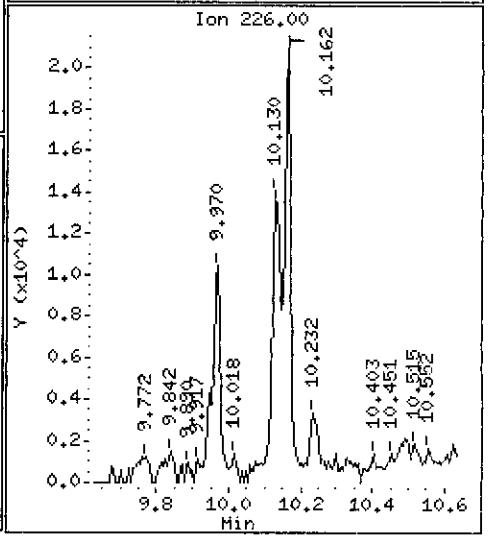












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D

Date : 04-NOV-2010 18:10

Client ID: 20100839 SD10-06

Instrument: 732.i

Sample Info: c0k030562-004 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

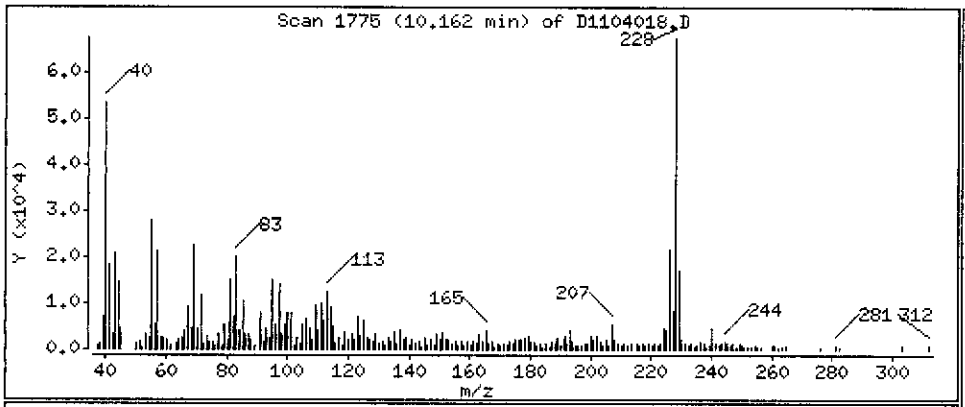
Operator: 430261nc

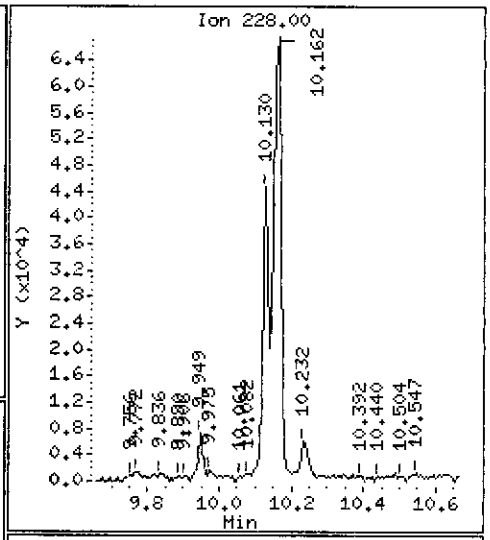
Column phase: DB5-MS

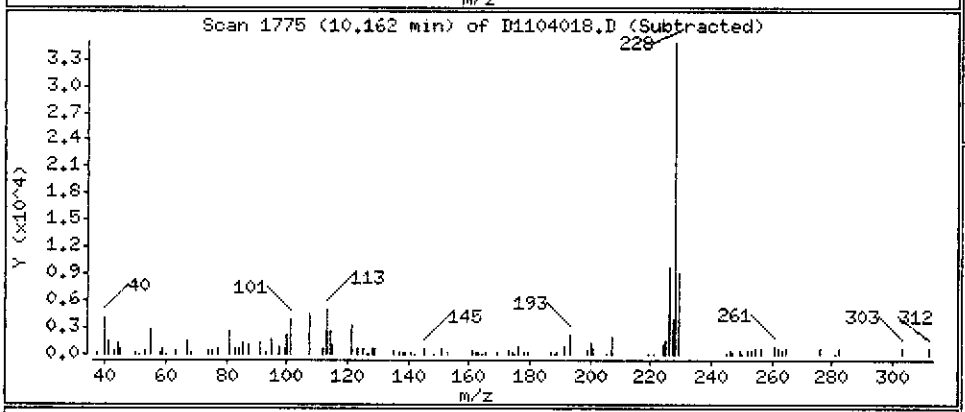
Column diameter: 0.32

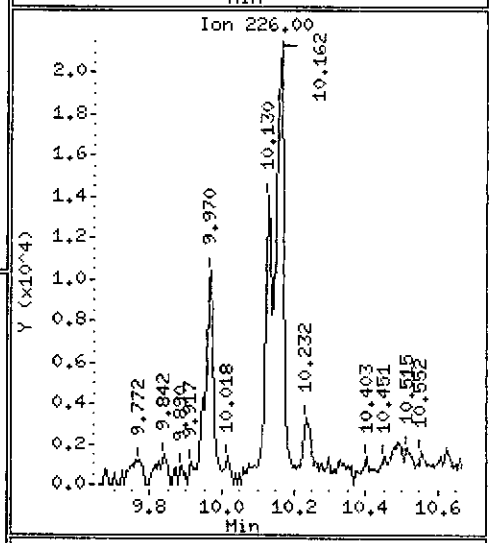
137 Chrysene

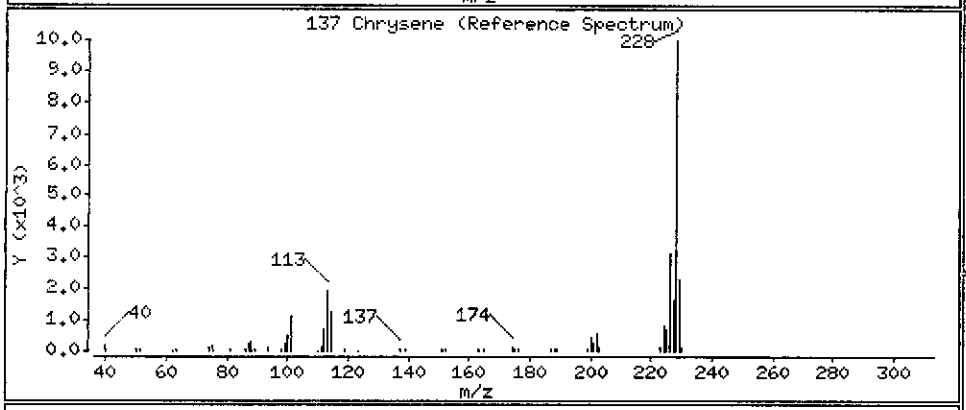
Concentration: 75.044 ug/kg

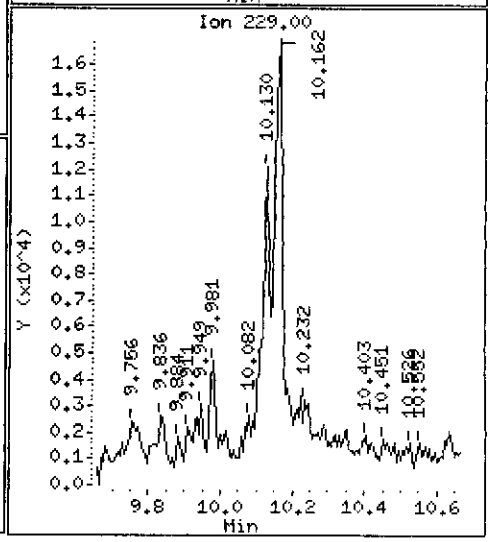


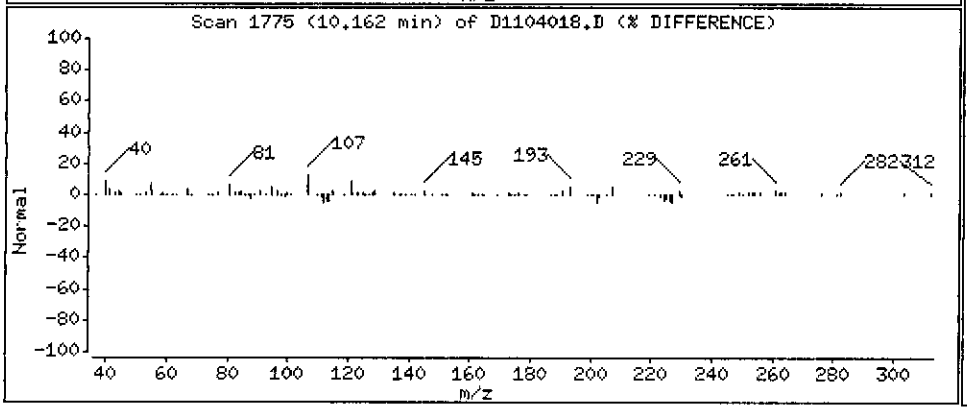












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D

Date : 04-NOV-2010 18:10

Client ID: 20100839 SD10-06

Instrument: 732.i

Sample Info: c0k030562-004 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

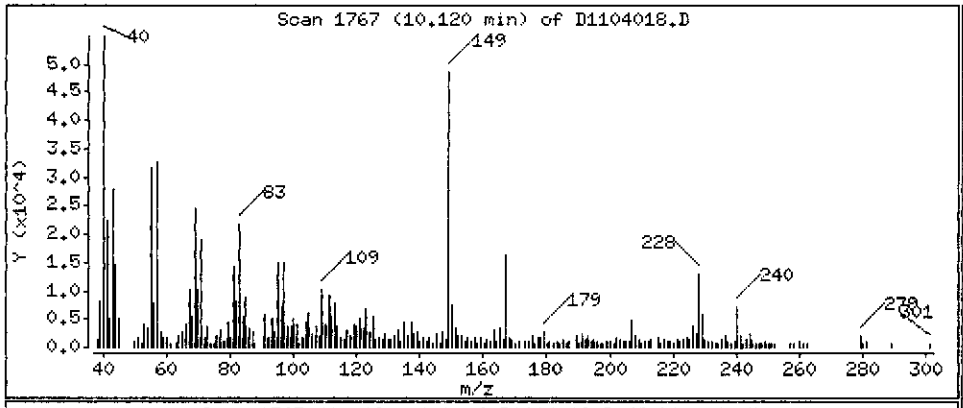
Operator: 430261nc

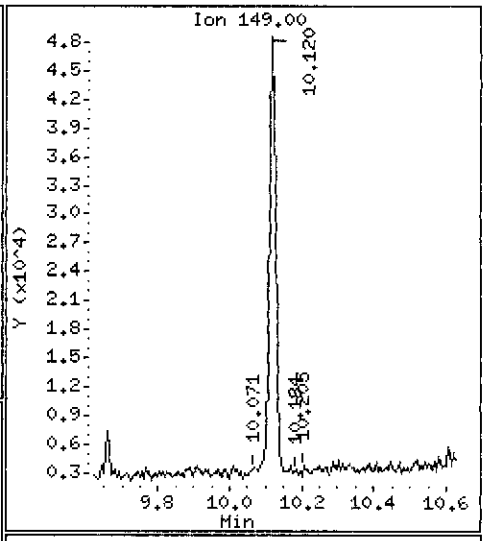
Column phase: DB5-MS

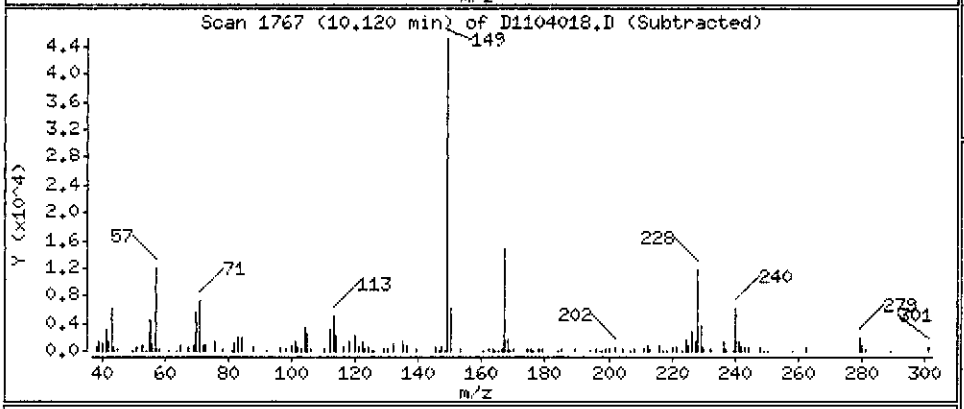
Column diameter: 0.32

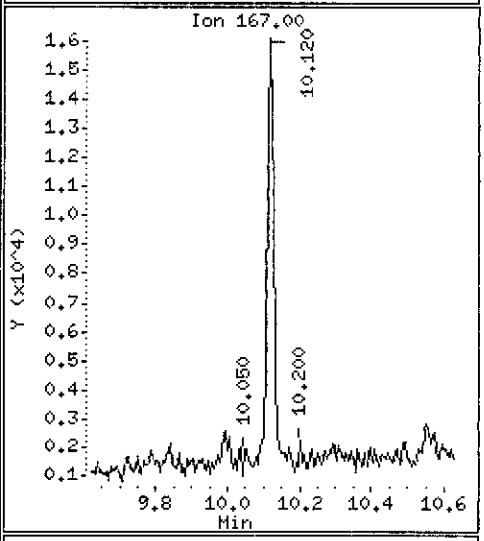
139 bis(2-ethylhexyl)Phthalate

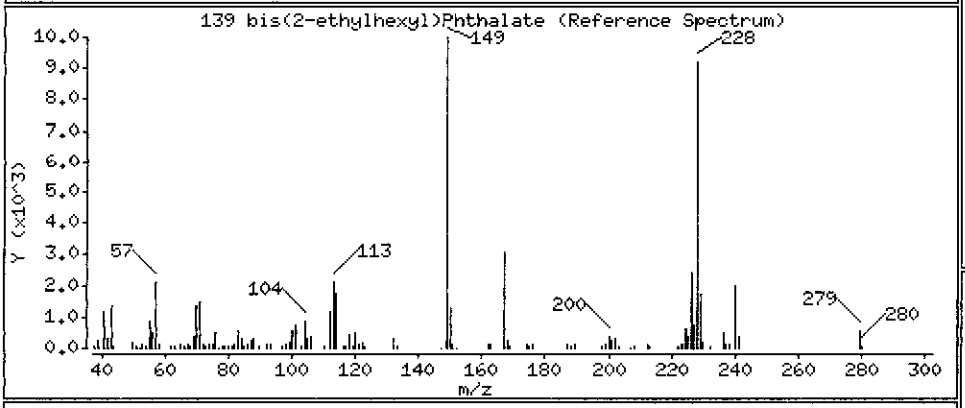
Concentration: 62.508 ug/kg

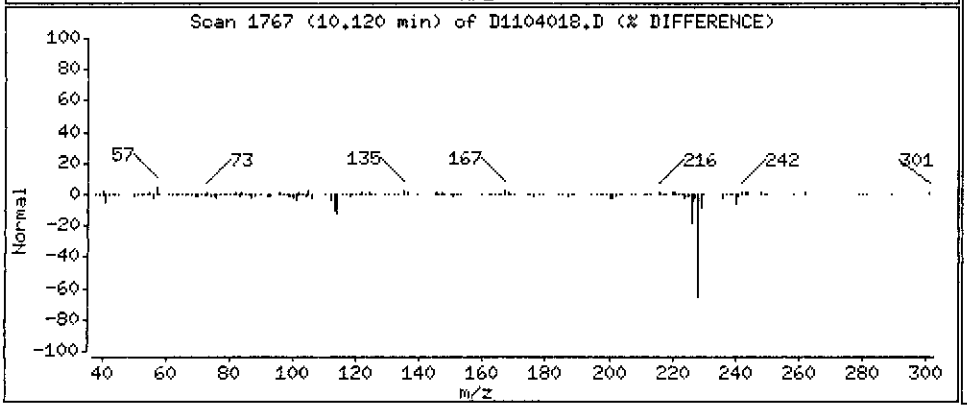


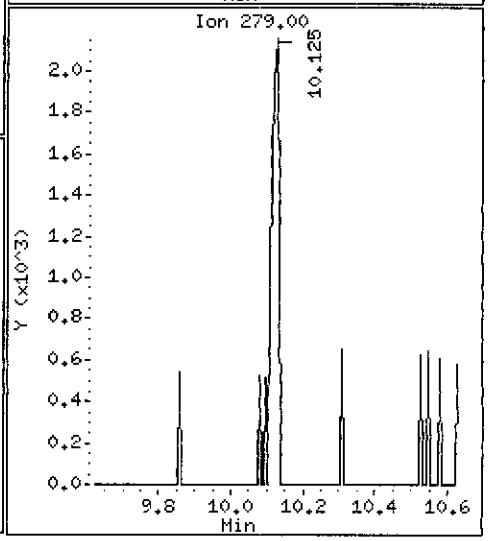












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D

Date : 04-NOV-2010 18:10

Client ID: 20100839 SD10-06

Instrument: 732.i

Sample Info: c0k030562-004 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

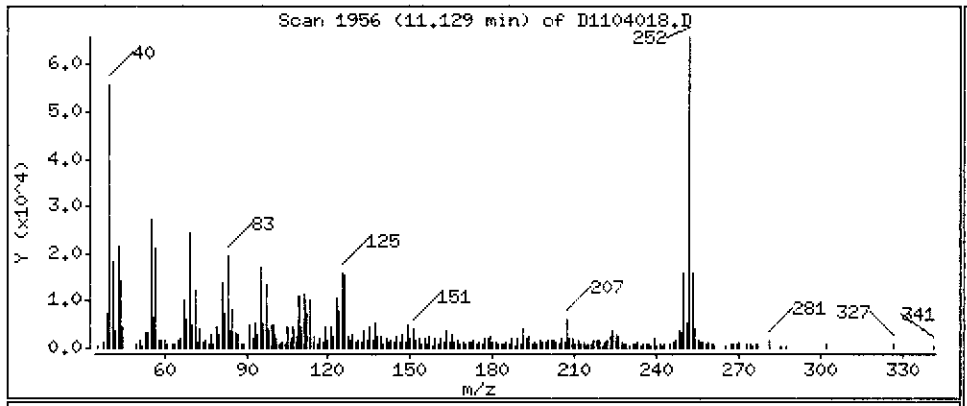
Operator: 430261nc

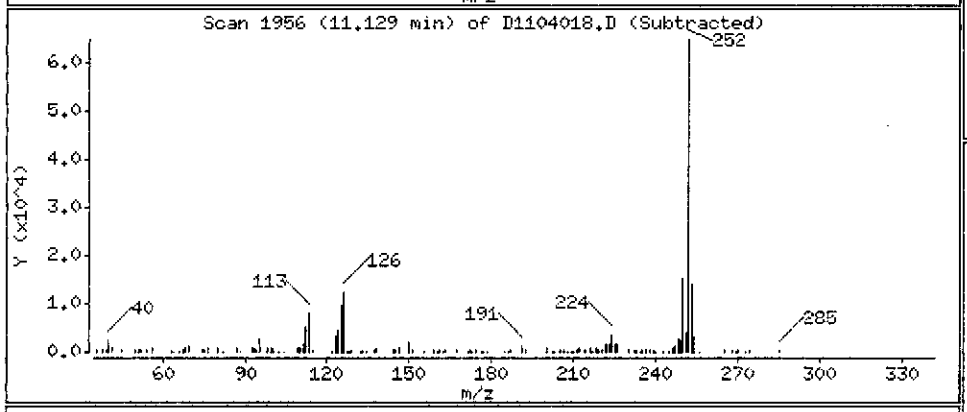
Column phase: DB5-MS

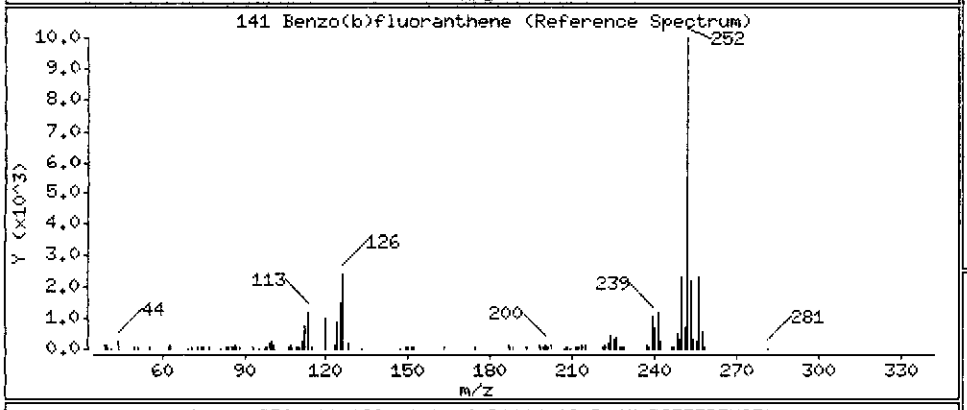
Column diameter: 0.32

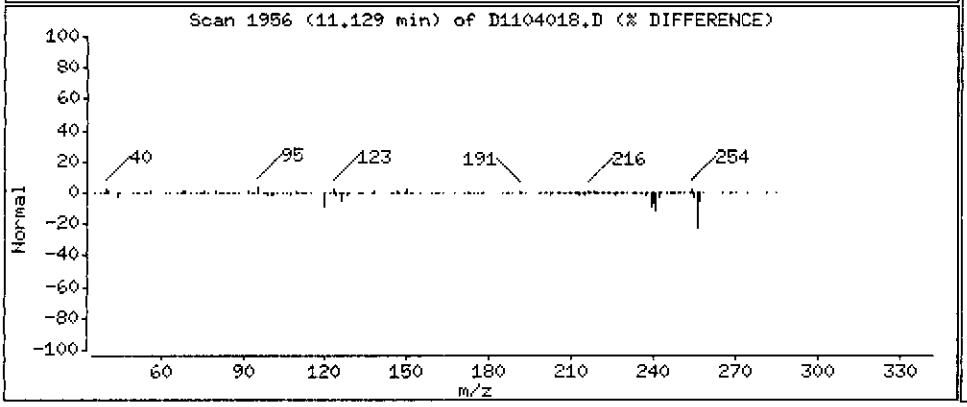
141 Benzo(b)fluoranthene

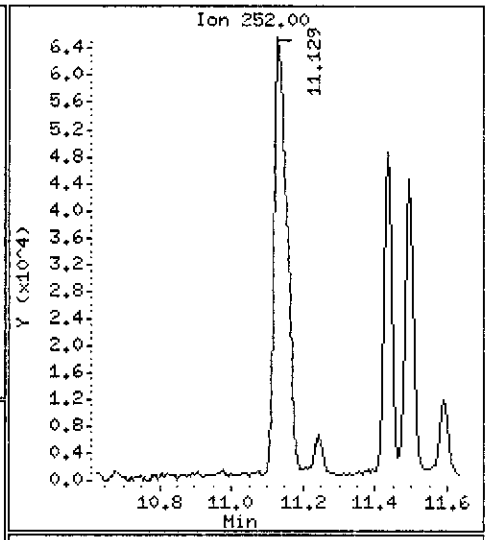
Concentration: 78.336 ug/kg

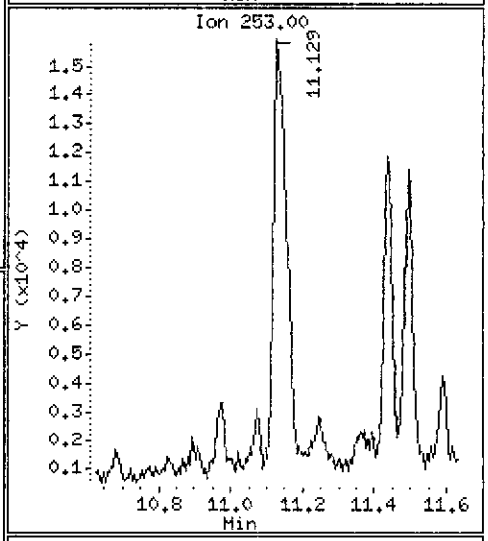


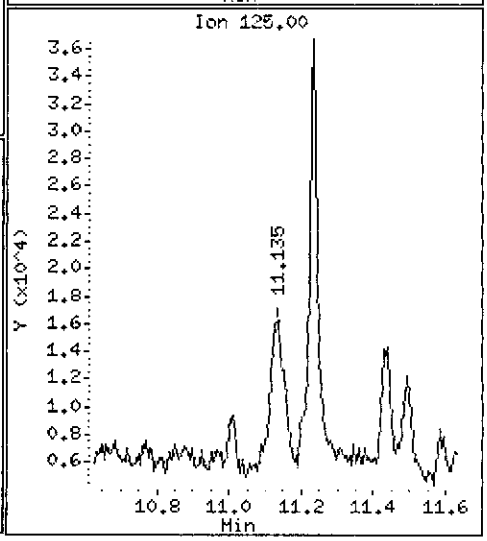












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D

Date : 04-NOV-2010 18:10

Client ID: 20100839 SD10-06

Instrument: 732.i

Sample Info: c0k030562-004 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

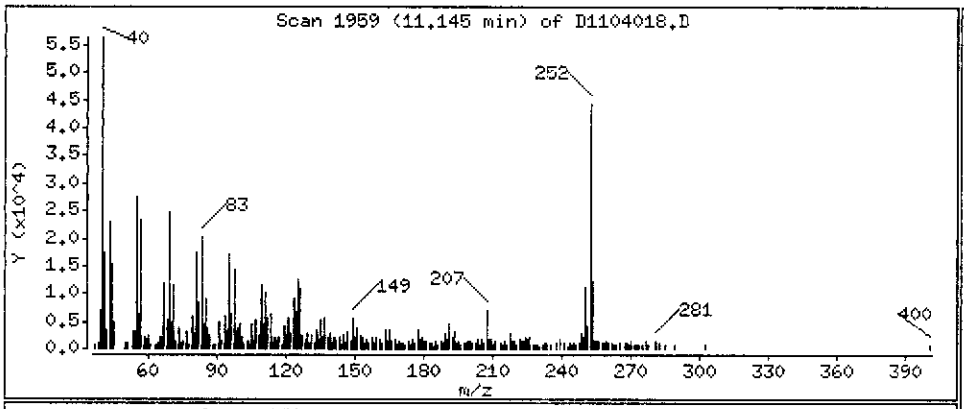
Operator: 430261no

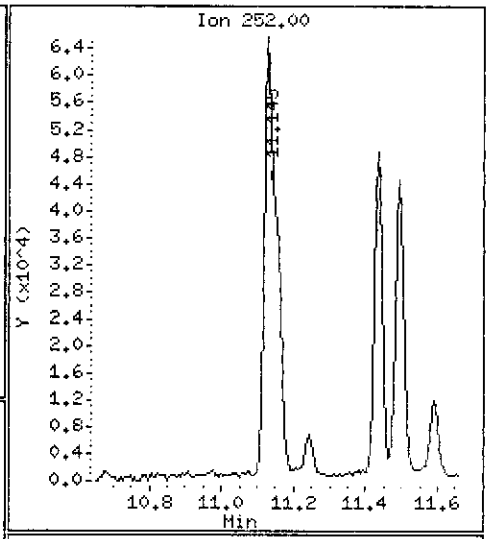
Column phase: DB5-MS

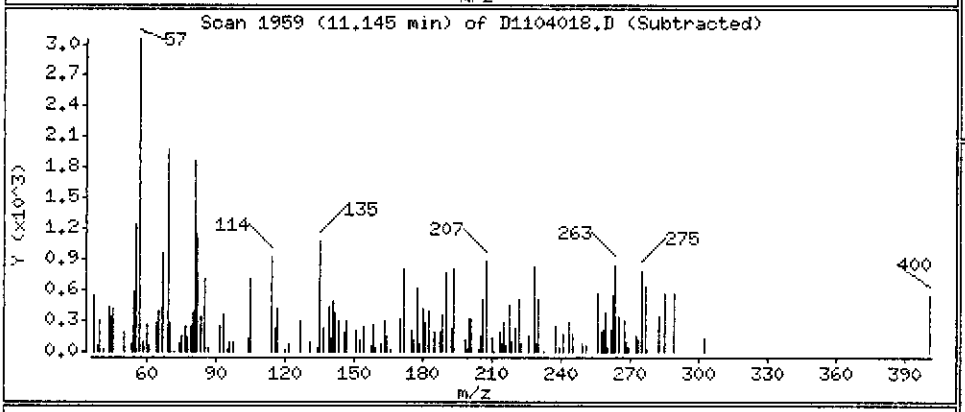
Column diameter: 0.32

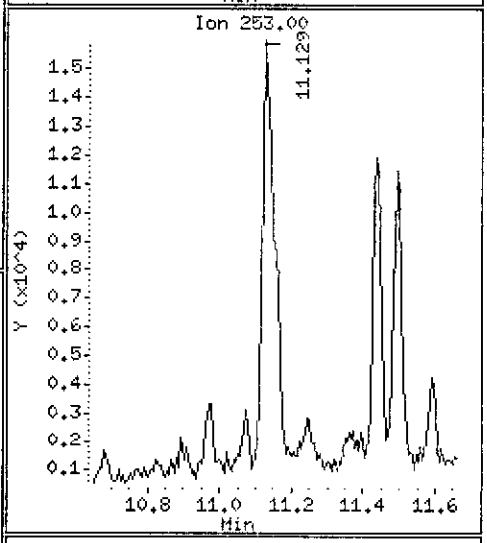
142 Benzo(k)fluoranthene

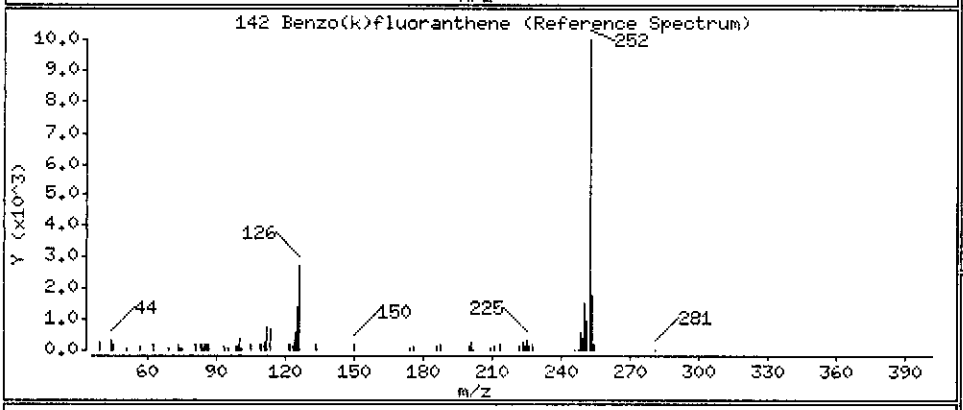
Concentration: 38.024 ug/kg

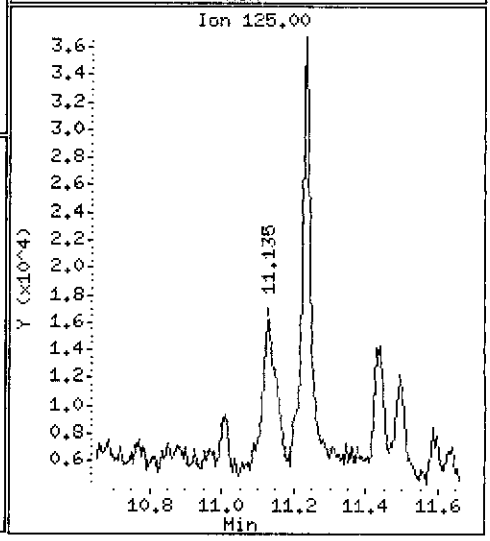


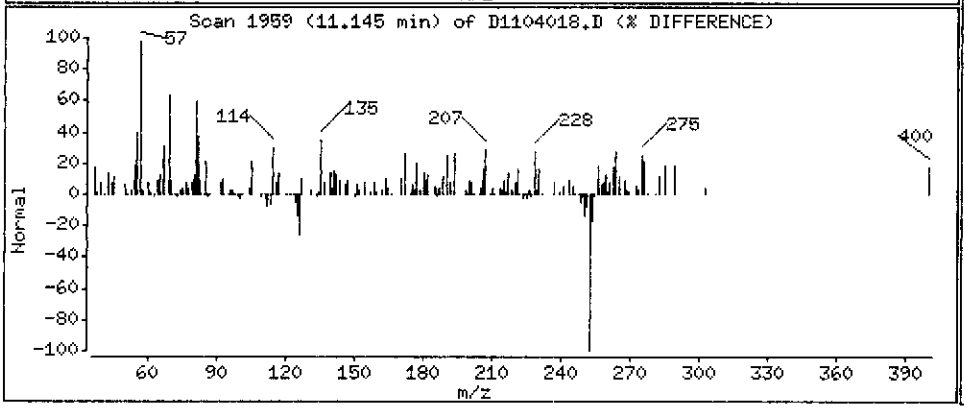












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D

Date : 04-NOV-2010 18:10

Client ID: 20100839 SD10-06

Instrument: 732.i

Sample Info: c0k030562-004 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

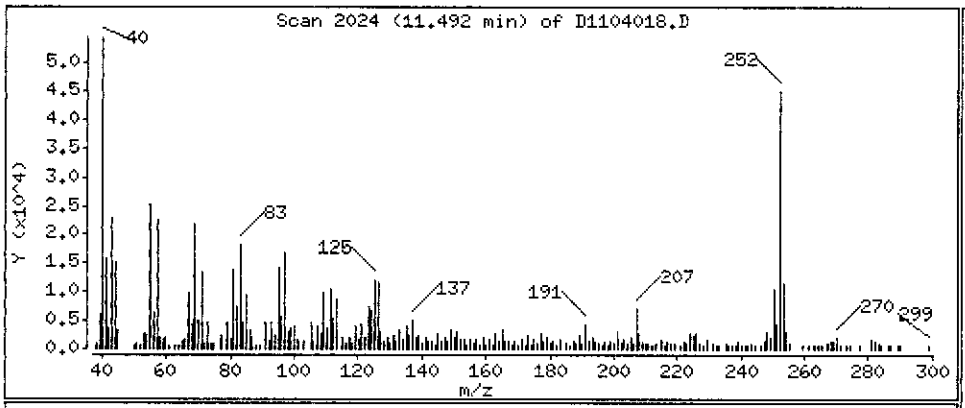
Operator: 430261nc

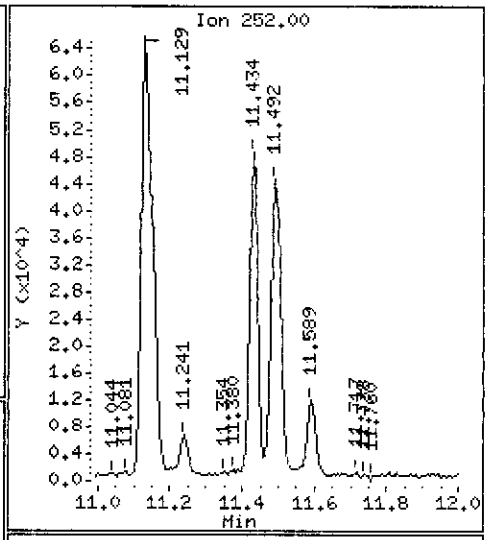
Column phase: DB5-MS

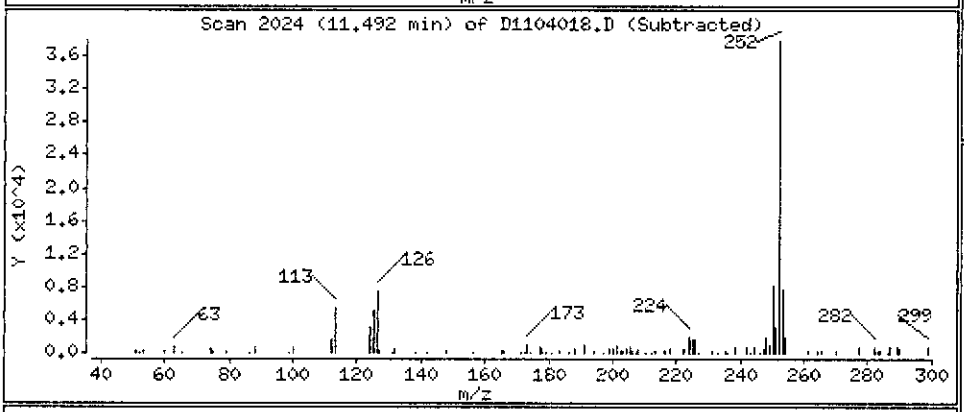
Column diameter: 0.32

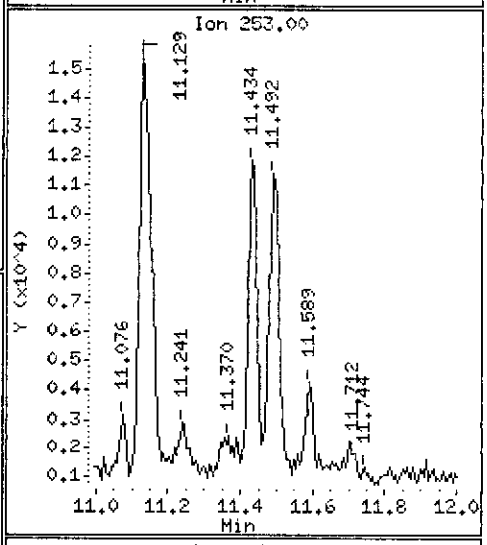
146 Benzo(a)pyrene

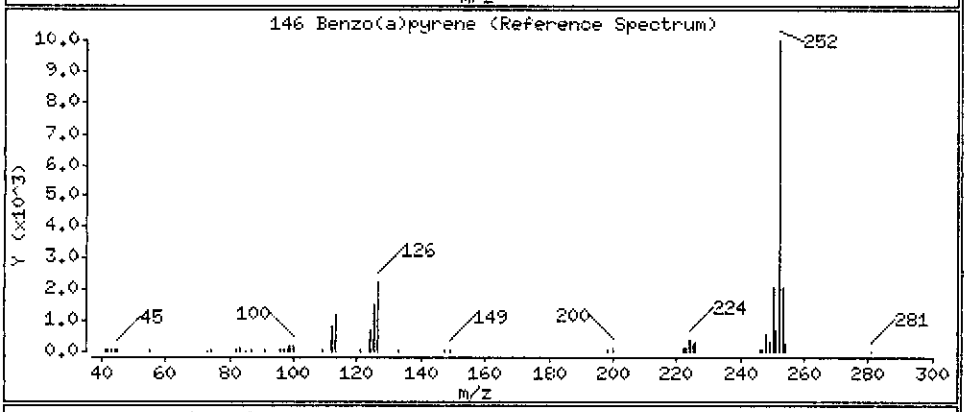
Concentration: 96.478 ug/kg

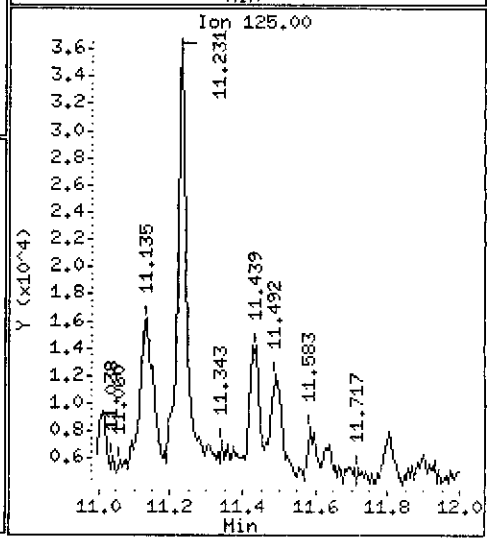


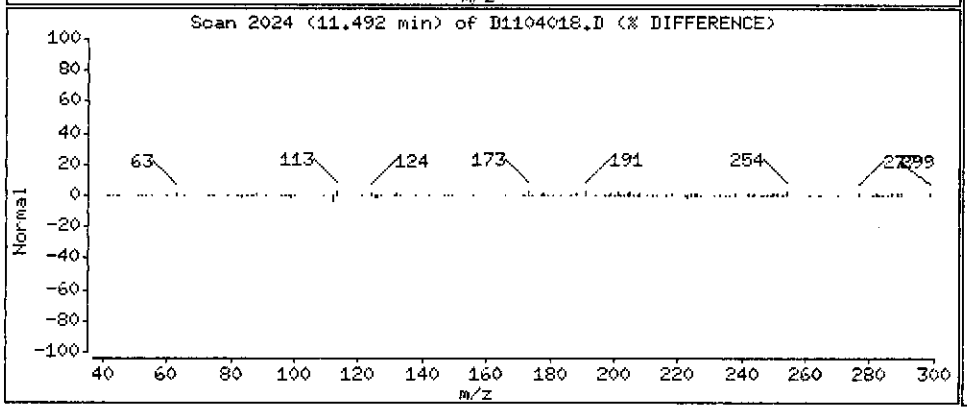












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D

Date : 04-NOV-2010 18:10

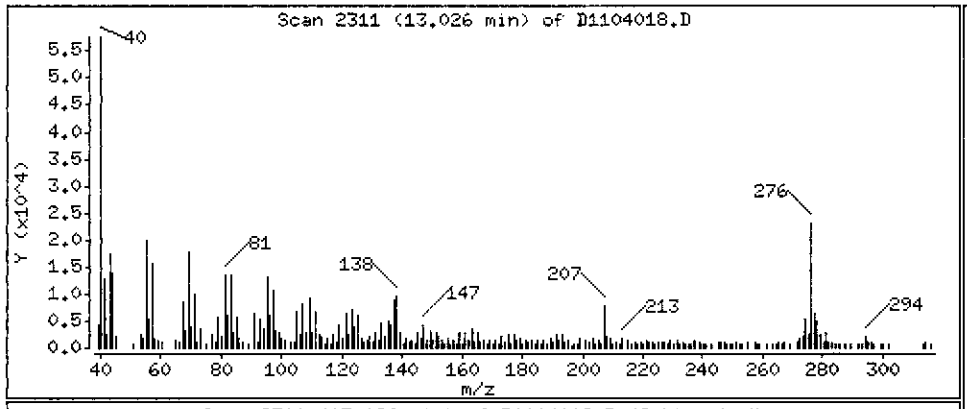
Client ID: 20100839 SD10-06 Instrument: 732.i

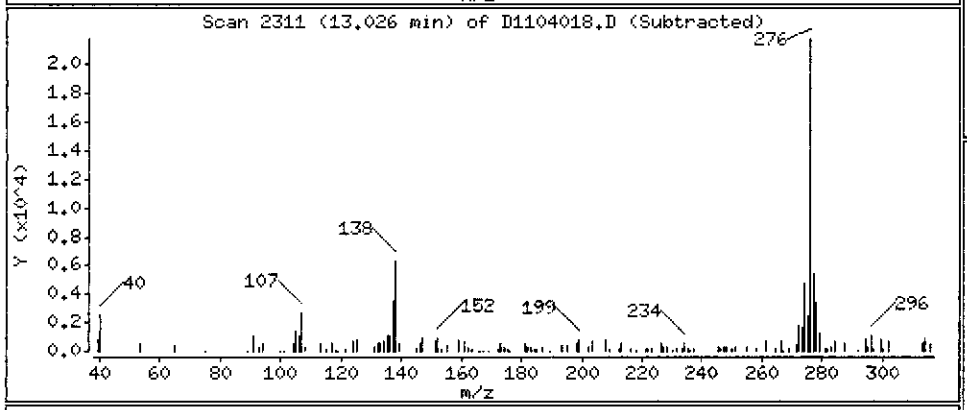
Sample Info: c0k030562-004 5x 11/04/10 sedS42(0308035)

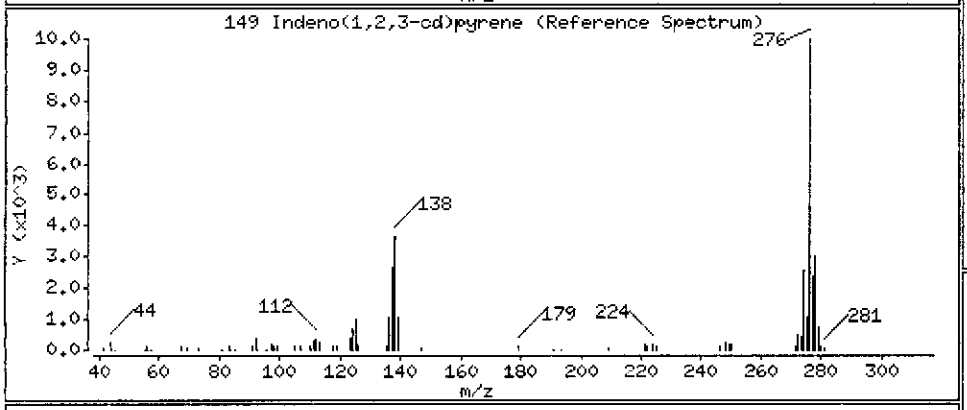
Volume Injected (uL): 2.0 Operator: 430261nc

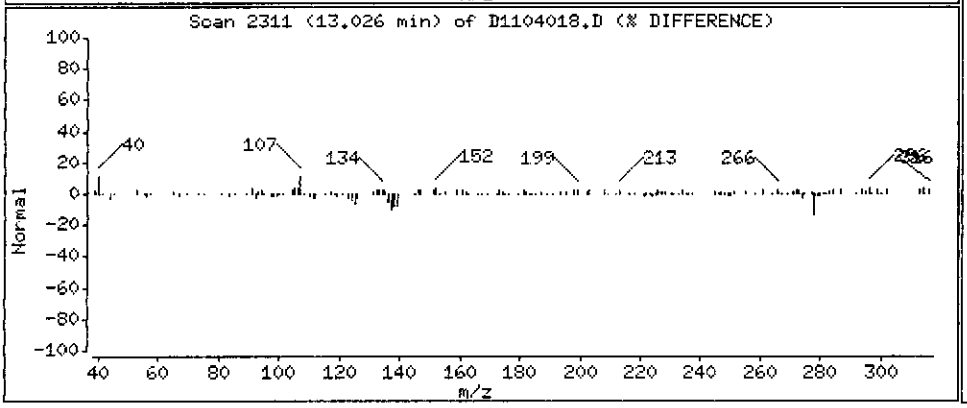
Column phase: DB5-MS Column diameter: 0.32

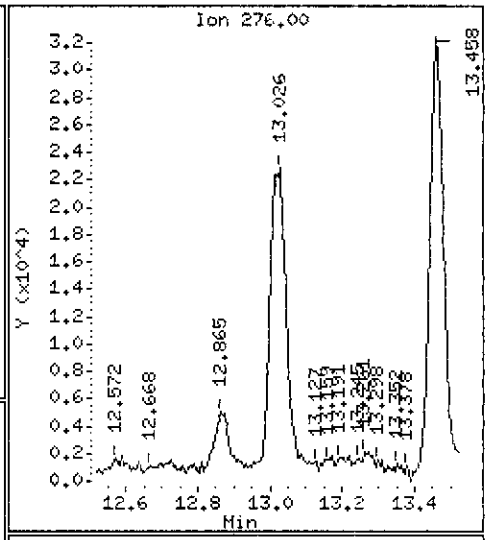
149 Indeno(1,2,3-cd)pyrene Concentration: 78.432 ug/kg

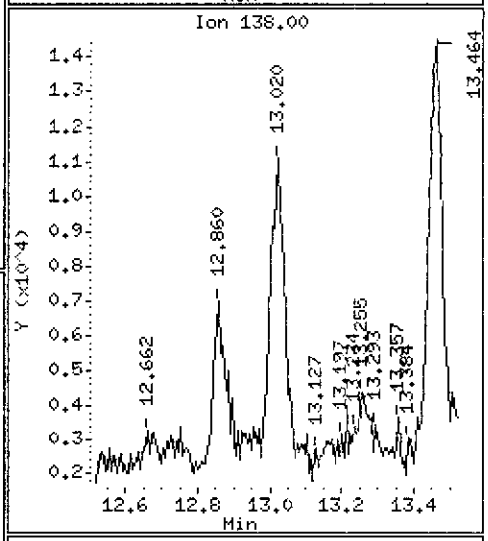


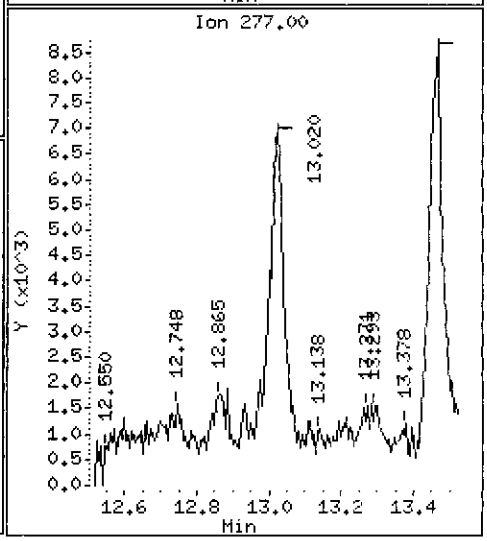












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D

Date : 04-NOV-2010 18:10

Client ID: 20100839 SD10-06

Instrument: 732.i

Sample Info: c0k030562-004 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

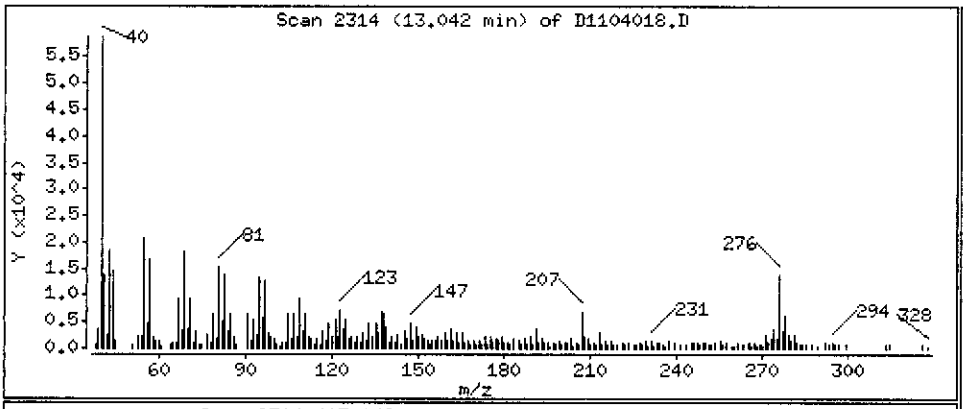
Operator: 430261nc

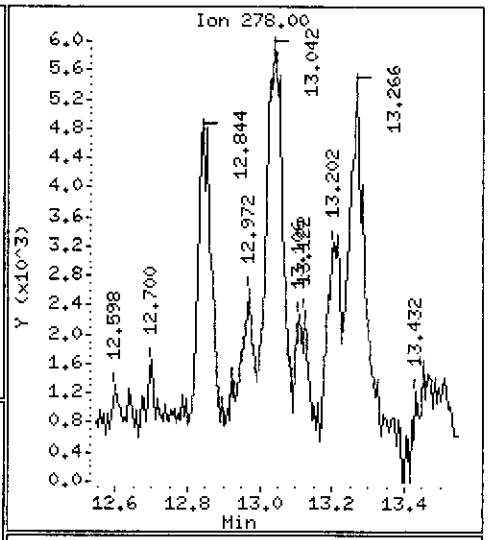
Column phase: DB5-MS

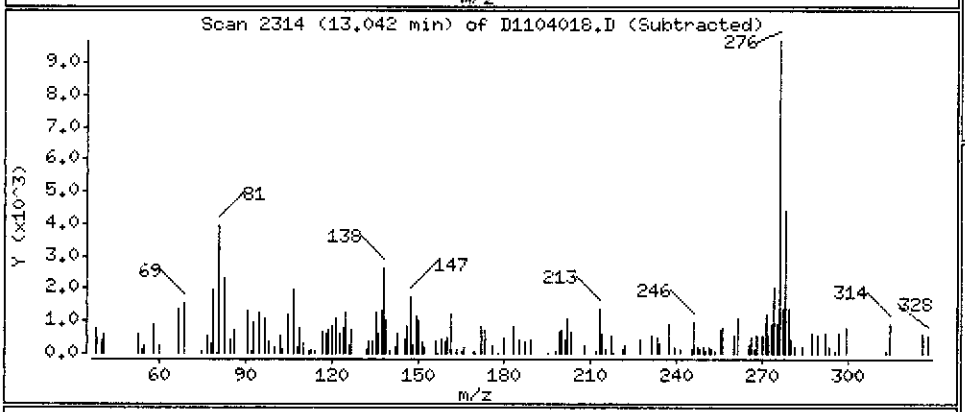
Column diameter: 0.32

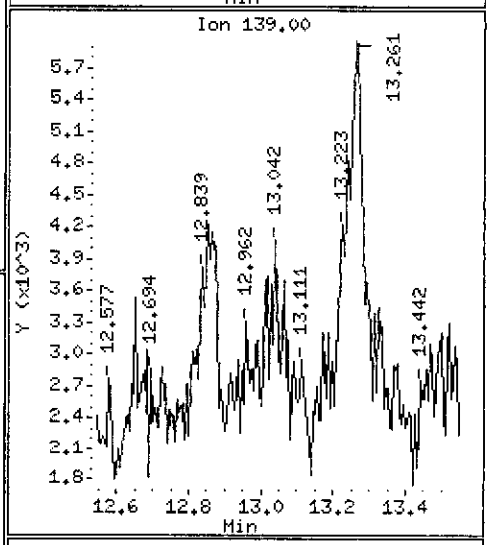
150 Dibenz(a,h)anthracene

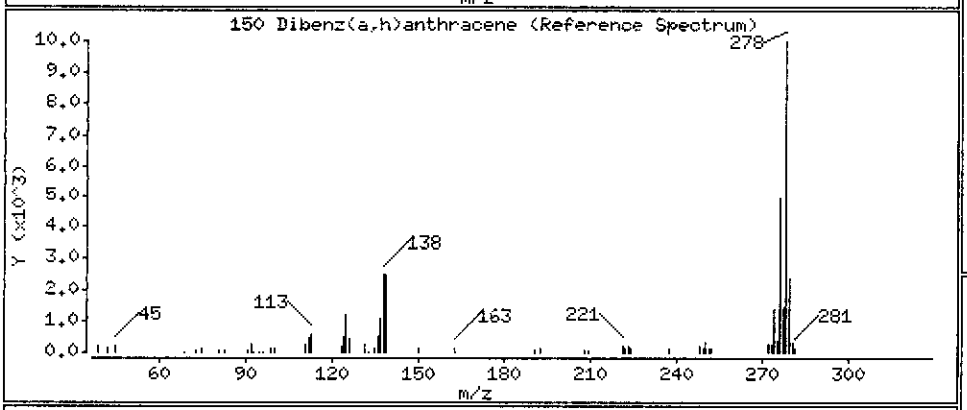
Concentration: 53.460 ug/kg

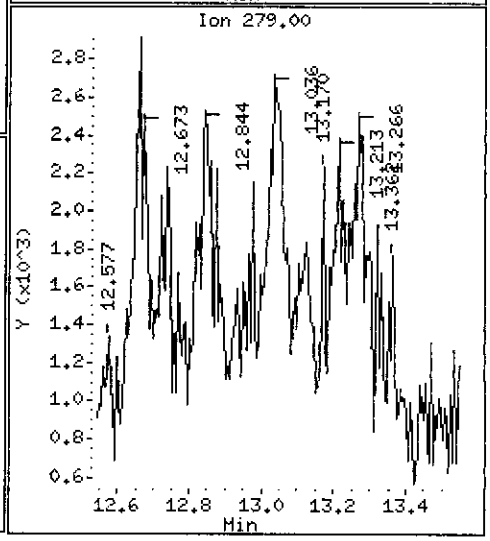


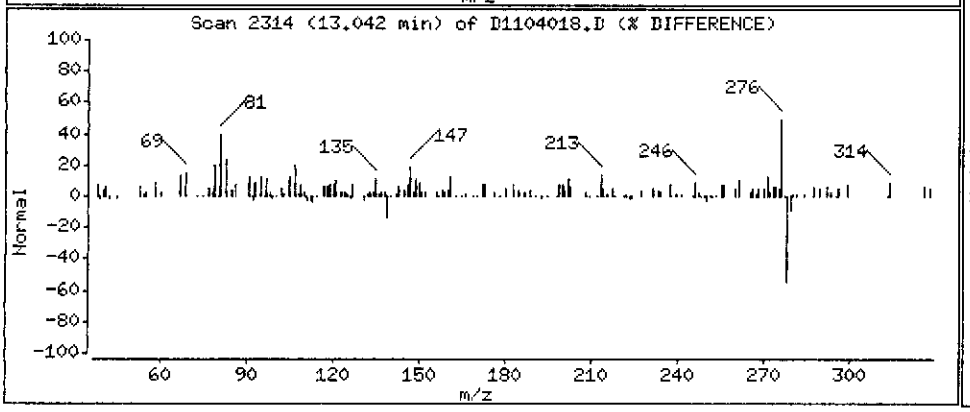












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104018.D

Date : 04-NOV-2010 18:10

Client ID: 20100839 SD10-06

Instrument: 732.i

Sample Info: c0k030562-004 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

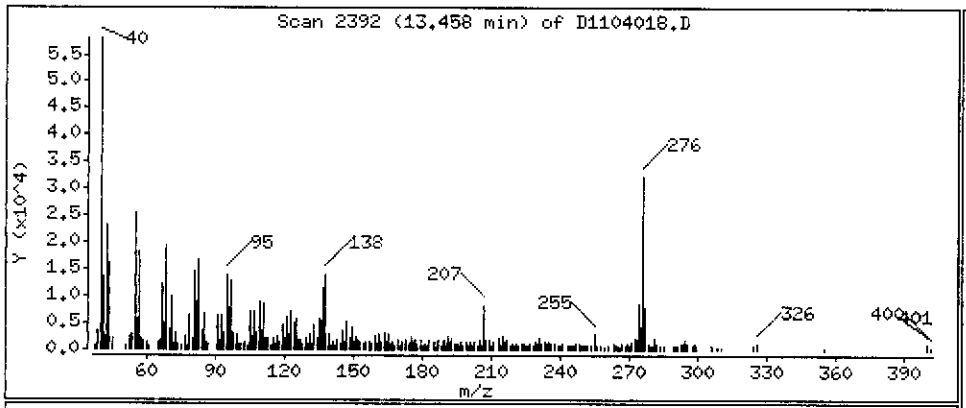
Operator: 430261nc

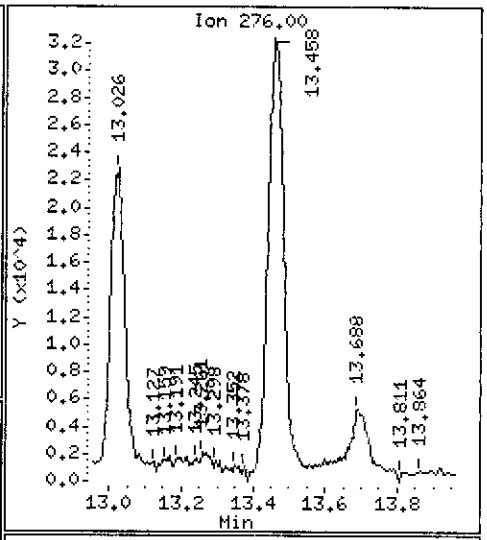
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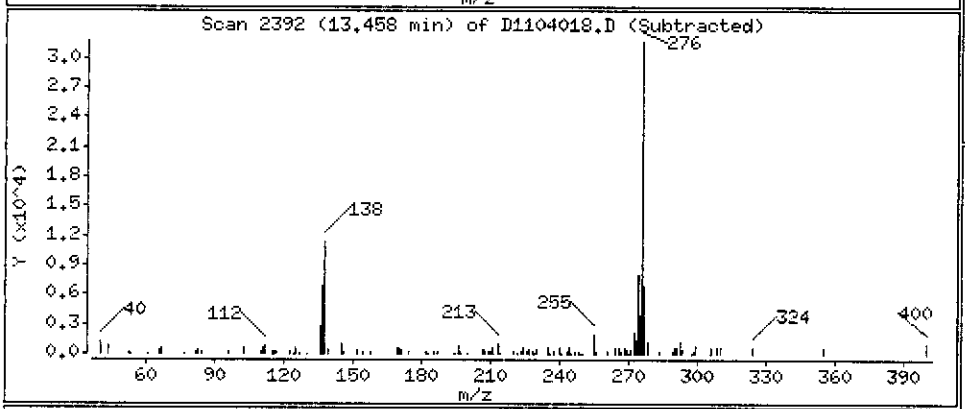
Column diameter: 0.32

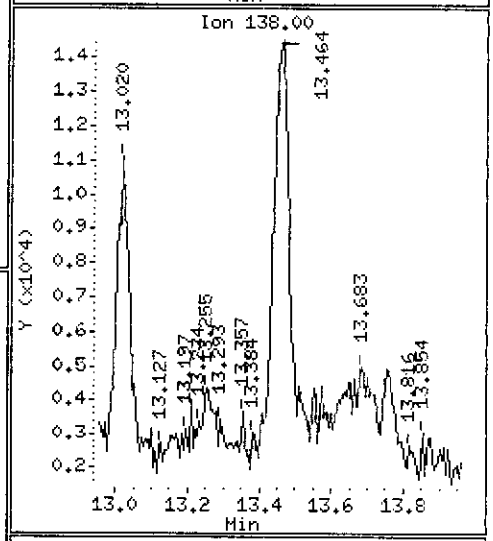
151 Benzo(g,h,i)perylene

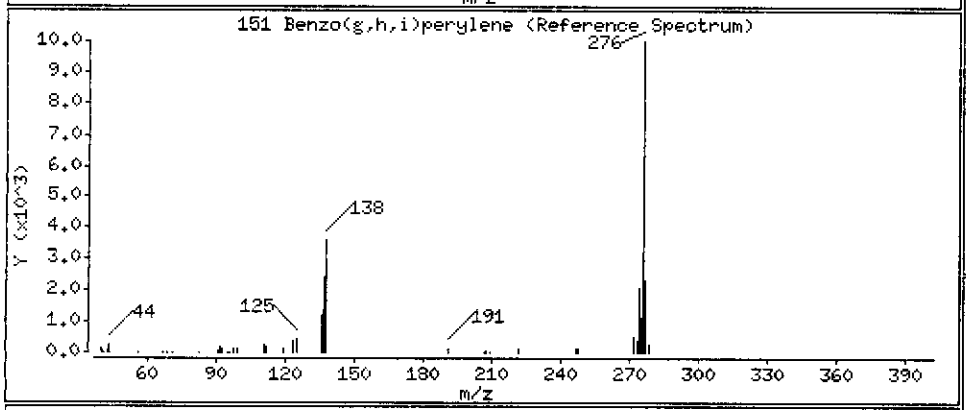
Concentration: 83.558 ug/kg

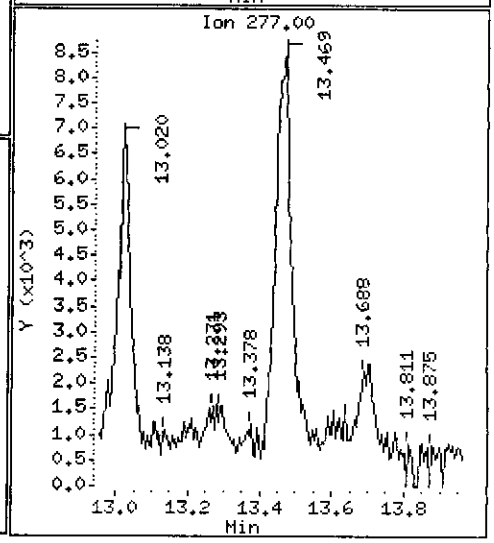


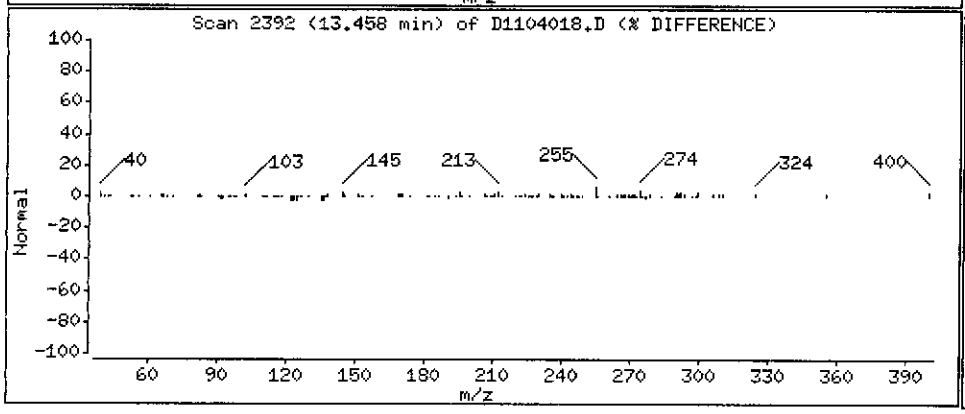




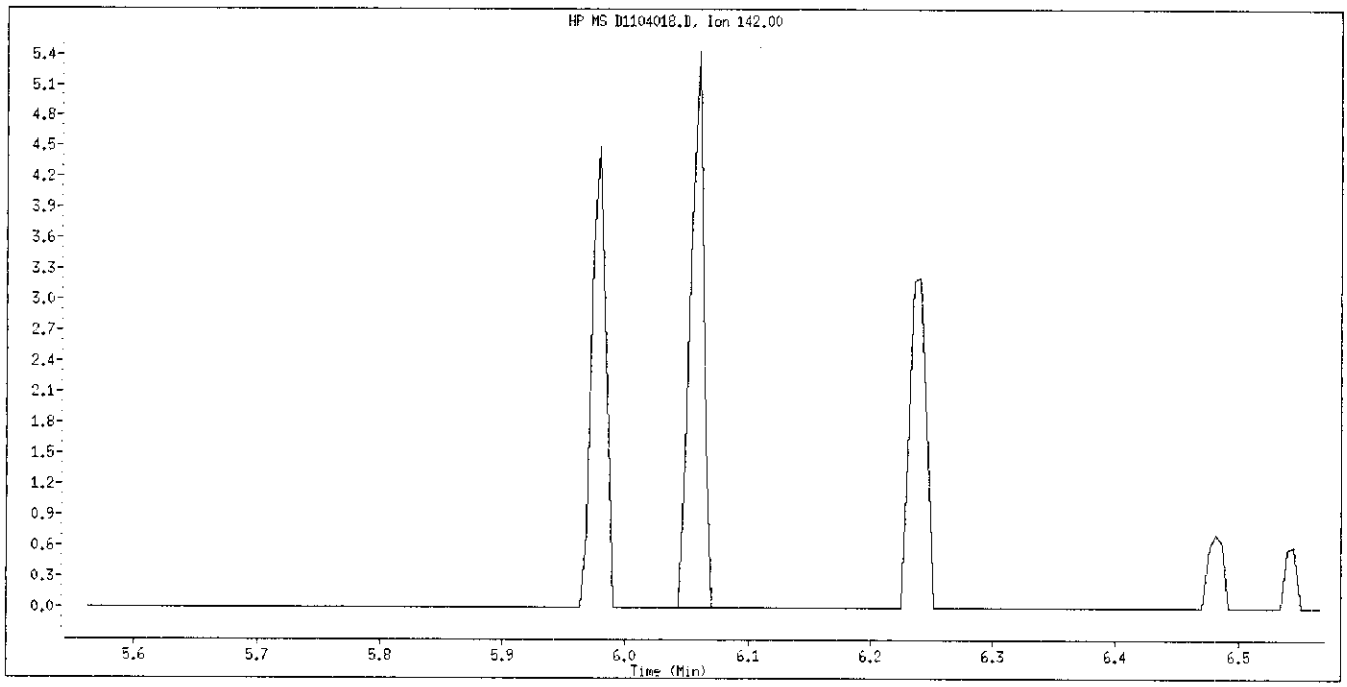




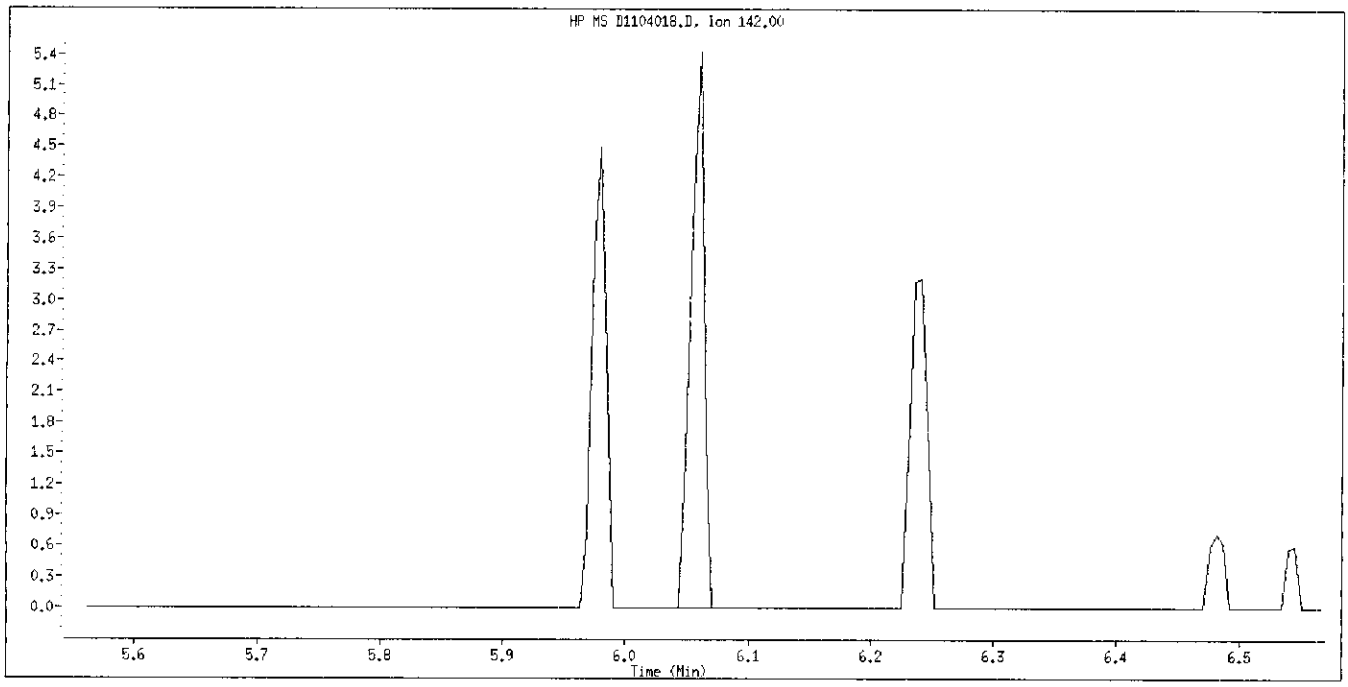




Data File Name: D1104018.D
Inj. Date and Time: 04-NOV-2010 18:10
Instrument ID: 732.i
Client ID: 20100839 SD10-06
Compound Name: 1-Methylnaphthalene
CAS #: 90-12-0



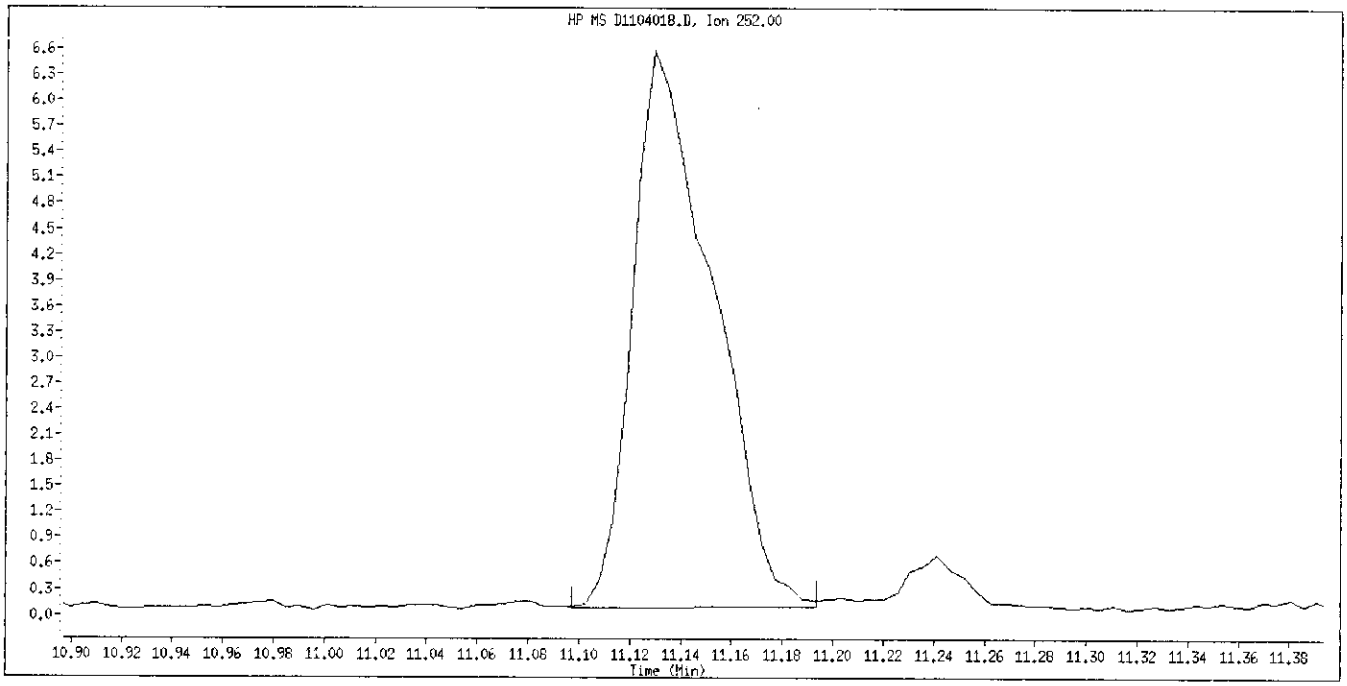
Original Integration



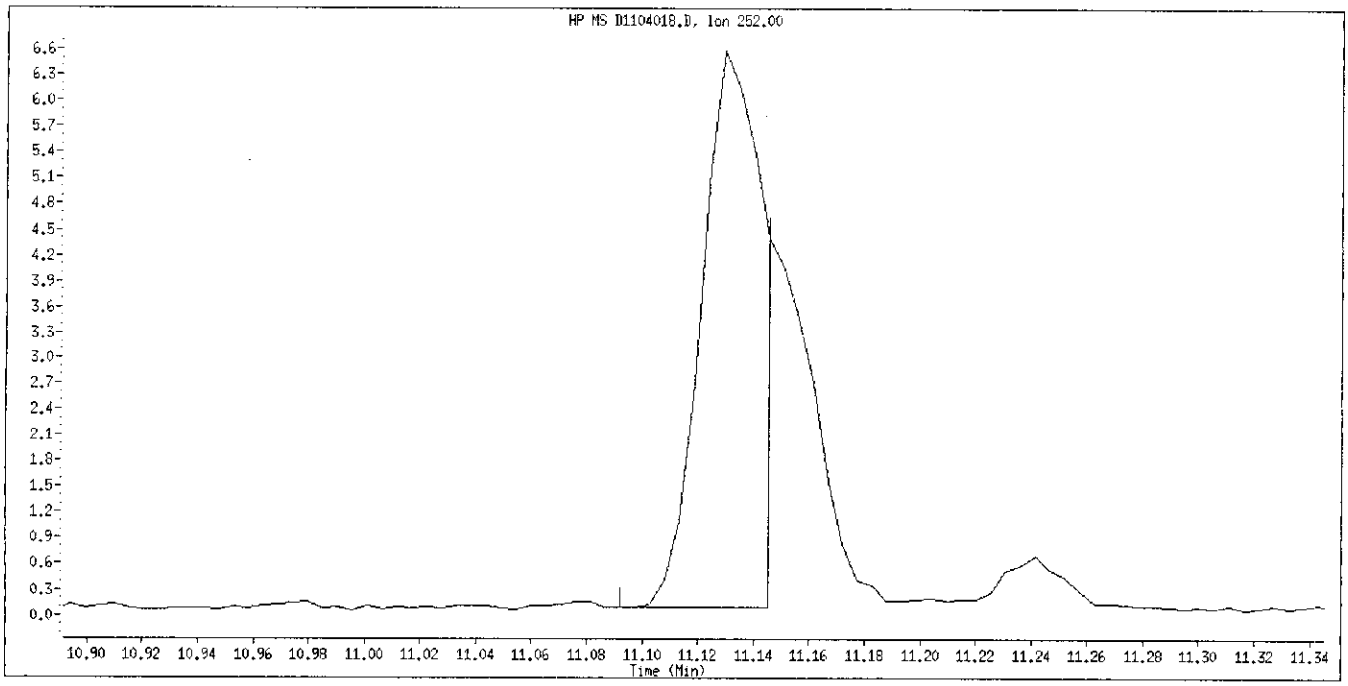
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Added Back

Data File Name: D1104018.D
Inj. Date and Time: 04-NOV-2010 18:10
Instrument ID: 732.i
Client ID: 20100839 SD10-06
Compound Name: Benzo(b)fluoranthene
CAS #: 205-99-2



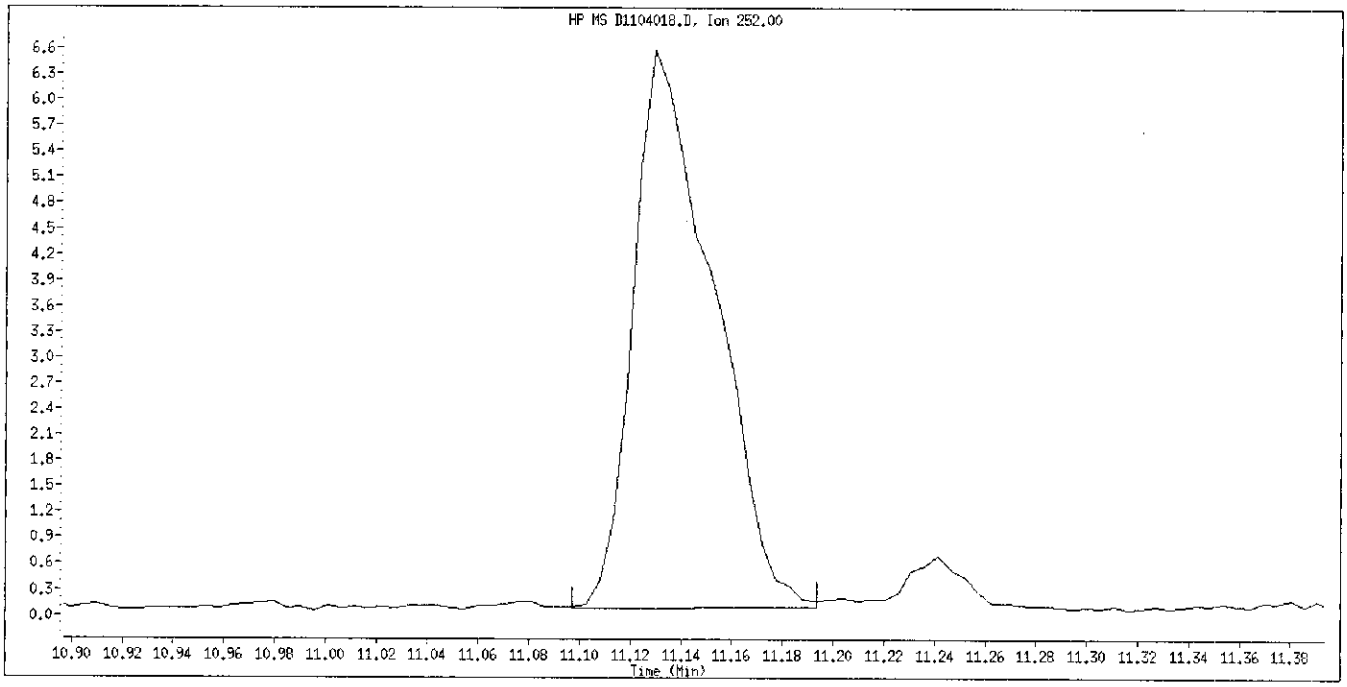
Original Integration



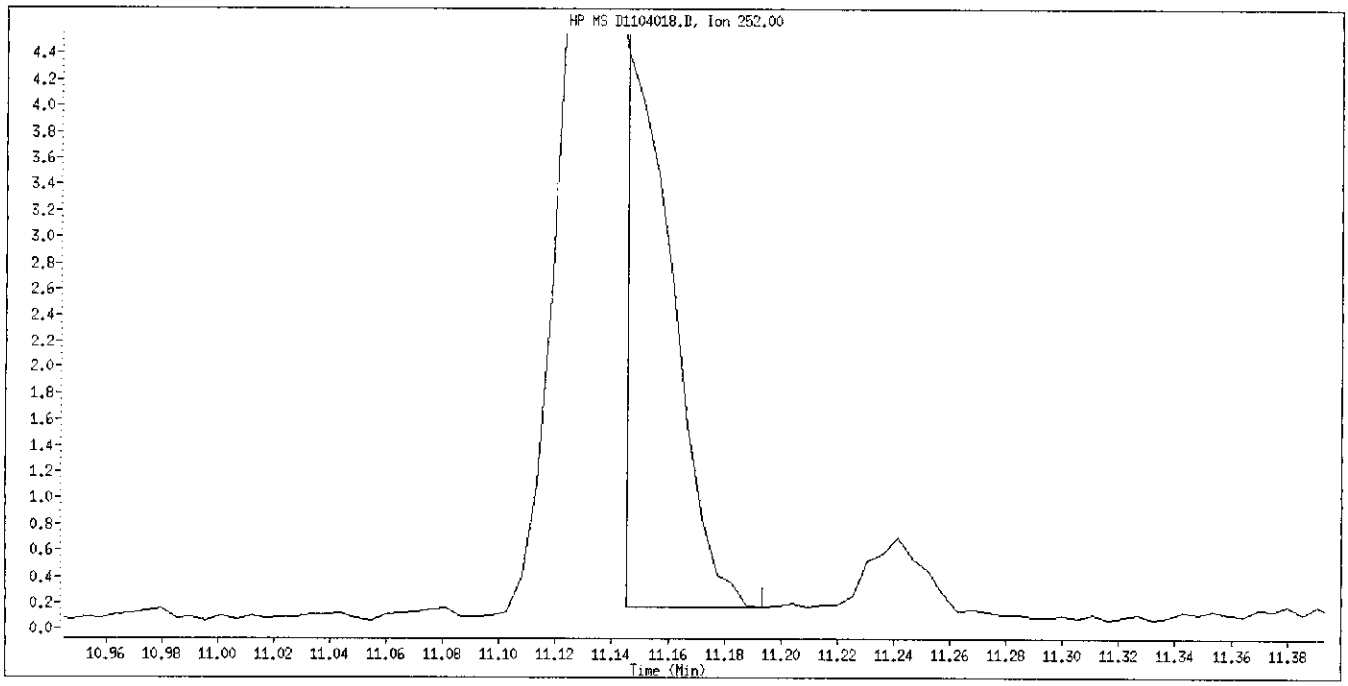
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1104018.D
Inj. Date and Time: 04-NOV-2010 18:10
Instrument ID: 732.i
Client ID: 20100839 SD10-06
Compound Name: Benzo(k)fluoranthene
CAS #: 207-08-9



Original Integration



Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Leo Brausch Consulting

Client Sample ID: 20100840 SD10-08

GC/MS Semivolatiles

Lot-Sample #...:	C0K030562-005	**Work Order #...:**	L9HJC1AK	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308011
Prep Date.....:	11/04/10	**Analysis Date..:**	11/04/10		
Prep Batch #...:	0308035	**Analysis Time..:**	18:29		
Dilution Factor:	2.47	**Initial Wgt/Vol:**	30.4 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	72	**Analyst ID.....:**	430261	**Instrument ID..:**	732
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**17 J**	**60**	**ug/kg**	**5.7**
Acenaphthylene	**20 J**	**60**	**ug/kg**	**6.8**
Acetophenone	ND	290	ug/kg	24
Anthracene	**41 J**	**60**	**ug/kg**	**5.8**
Atrazine	ND	290	ug/kg	29
Benzo(a)anthracene	**190**	**60**	**ug/kg**	**7.5**
Benzo(a)pyrene	**380**	**60**	**ug/kg**	**6.0**
Benzo(b)fluoranthene	**350**	**60**	**ug/kg**	**9.4**
Benzo(ghi)perylene	**340**	**60**	**ug/kg**	**5.9**
Benzo(k)fluoranthene	**140**	**60**	**ug/kg**	**12**
Benzaldehyde	ND	290	ug/kg	45
1,1'-Biphenyl	ND	290	ug/kg	28
bis(2-Chloroethoxy) methane	ND	290	ug/kg	20
bis(2-Chloroethyl)-ether	ND	60	ug/kg	8.0
bis(2-Ethylhexyl) phthalate	**350**	**290**	**ug/kg**	**48**
4-Bromophenyl phenyl ether	ND	290	ug/kg	26
Butyl benzyl phthalate	**46 J**	**290**	**ug/kg**	**41**
Caprolactam	ND	1500	ug/kg	230
Carbazole	**33 J**	**60**	**ug/kg**	**5.5**
4-Chloroaniline	ND	290	ug/kg	24
4-Chloro-3-methylphenol	ND	290	ug/kg	27
2-Chloronaphthalene	ND	60	ug/kg	6.2
2-Chlorophenol	ND	290	ug/kg	24
4-Chlorophenyl phenyl ether	ND	290	ug/kg	33
Chrysene	**290**	**60**	**ug/kg**	**7.1**
Dibenz(a,h)anthracene	**190**	**60**	**ug/kg**	**6.6**
Dibenzofuran	ND	290	ug/kg	29
3,3'-Dichlorobenzidine	ND	290	ug/kg	31
2,4-Dichlorophenol	ND	60	ug/kg	6.0
Diethyl phthalate	ND	290	ug/kg	33
2,4-Dimethylphenol	ND	290	ug/kg	47
Dimethyl phthalate	ND	290	ug/kg	32

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100840 SD10-08

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-005 **Work Order #...:** L9HJC1AK **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	290	ug/kg	37
4,6-Dinitro-2-methylphenol	ND	1500	ug/kg	120
2,4-Dinitrophenol	ND	1500	ug/kg	350
2,4-Dinitrotoluene	ND	290	ug/kg	24
2,6-Dinitrotoluene	ND	290	ug/kg	31
Di-n-octyl phthalate	**360**	**290**	**ug/kg**	**31**
Fluoranthene	**510**	**60**	**ug/kg**	**6.4**
Fluorene	**19 J**	**60**	**ug/kg**	**7.9**
Hexachlorobenzene	ND	60	ug/kg	6.3
Hexachlorobutadiene	ND	60	ug/kg	6.7
Hexachlorocyclopentadiene	ND	290	ug/kg	32
Hexachloroethane	ND	290	ug/kg	21
Indeno(1,2,3-cd)pyrene	**320**	**60**	**ug/kg**	**6.1**
Isophorone	ND	290	ug/kg	22
2-Methylnaphthalene	ND	60	ug/kg	5.4
2-Methylphenol	ND	290	ug/kg	21
4-Methylphenol	ND	290	ug/kg	29
Naphthalene	ND	60	ug/kg	5.1
2-Nitroaniline	ND	1500	ug/kg	130
3-Nitroaniline	ND	1500	ug/kg	120
4-Nitroaniline	ND	1500	ug/kg	120
Nitrobenzene	ND	60	ug/kg	25
2-Nitrophenol	ND	290	ug/kg	33
4-Nitrophenol	ND	1500	ug/kg	100
N-Nitrosodi-n-propylamine	ND	60	ug/kg	7.0
N-Nitrosodiphenylamine	ND	60	ug/kg	28
2,2'-oxybis(1-Chloropropane)	ND	60	ug/kg	6.4
Pentachlorophenol	ND	290	ug/kg	27
Phenanthrene	**180**	**60**	**ug/kg**	**9.5**
Phenol	ND	60	ug/kg	7.0
Pyrene	**360**	**60**	**ug/kg**	**6.0**
2,4,5-Trichlorophenol	ND	290	ug/kg	32
2,4,6-Trichlorophenol	ND	290	ug/kg	45

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100840 SD10-08

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-005 **Work Order #...:** L9HJC1AK **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	51	(27 - 110)
Terphenyl-d14	36	(21 - 130)
2-Fluorobiphenyl	42	(28 - 108)
2-Fluorophenol	41	(28 - 107)
Phenol-d5	43	(30 - 112)
2,4,6-Tribromophenol	34	(21 - 116)

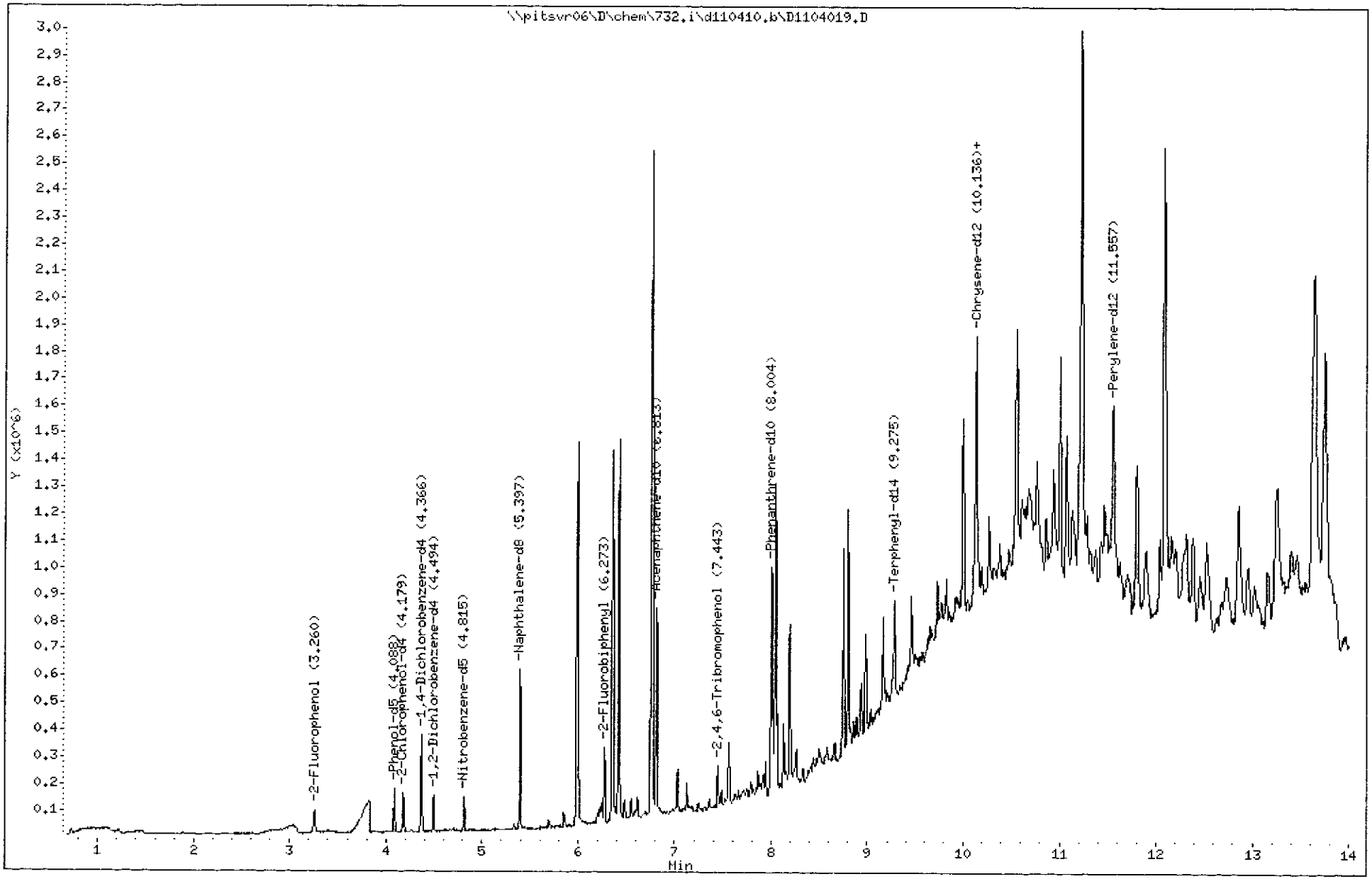
NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D
Date : 04-NOV-2010 18:29
Client ID: 20100840 SD10-08
Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)
Volume Injected (uL): 2.0
Column phase: DB5-MS

Instrument: 732.i
Operator: 430261nc
Column diameter: 0.32



Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D
Lab Smp Id: l9hjc1ak Client Smp ID: 20100840 SD10-08
Inj Date : 04-NOV-2010 18:29
Operator : 430261nc Inst ID: 732.i
Smp Info : c0k030562-005 5x 11/04/10 sedS42(0308035)
Misc Info : l9hjc1ak,d110410.b,ll.m,3-root.sub
Comment :
Method : \\pitsvr06\D\chem\732.i\d110410.b\ll.m
Meth Date : 08-Nov-2010 18:58 campisin Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 21
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws)*1 * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.400	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
* 1	1,4-Dichlorobenzene-d4	152	4.365	4.382	(1.000)	53162	8.00000	
* 2	Naphthalene-d8	136	5.397	5.407	(1.000)	238801	8.00000	
* 3	Acenaphthene-d10	164	6.812	6.823	(1.000)	164775	8.00000	
* 4	Phenanthrene-d10	188	8.004	8.014	(1.000)	308135	8.00000	
* 5	Chrysene-d12	240	10.135	10.140	(1.000)	365916	8.00000	
* 6	Perylene-d12	264	11.556	11.556	(1.000)	388200	8.00000	
198	1,4-Dioxane	88	Compound Not Detected.					
10	N-Nitrosodimethylamine	74	Compound Not Detected.					
9	Pyridine	79	Compound Not Detected.					
16	Methyl methanesulfonate	80	Compound Not Detected.					
206	Benzaldehyde	77	Compound Not Detected.					
21	Aniline	93	Compound Not Detected.					
22	Phenol	94	Compound Not Detected.					
23	bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24	2-Chlorophenol	128	Compound Not Detected.					
26	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
28	1,2-Dichlorobenzene	146	Compound Not Detected.					
29	Benzyl Alcohol	108	Compound Not Detected.					
217	Indene	116	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
30	2-Methylphenol	108	Compound Not Detected.					
31	2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
36	N-Nitrosopyrrolidine	100	Compound Not Detected.					
37	Acetophenone	105	Compound Not Detected.					
32	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192	4-Methylphenol	108	Compound Not Detected.					
34	Hexachloroethane	117	Compound Not Detected.					
35	Nitrobenzene	77	Compound Not Detected.					
41	Isophorone	82	Compound Not Detected.					
42	2-Nitrophenol	139	Compound Not Detected.					
43	2,4-Dimethylphenol	107	Compound Not Detected.					
44	bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48	2,4-Dichlorophenol	162	Compound Not Detected.					
49	Benzoic Acid	122	Compound Not Detected.					
50	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51	Naphthalene	128	Compound Not Detected.					
52	4-Chloroaniline	127	Compound Not Detected.					
54	2,6-Dichlorophenol	162	Compound Not Detected.					
56	Hexachlorobutadiene	224	Compound Not Detected.					
208	Caprolactam	113	Compound Not Detected.					
59	4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62	2-Methylnaphthalene	142	Compound Not Detected.					
63	1-Methylnaphthalene	142	6.054	6.064	(1.122)	1636	0.07651	3.1459
64	Hexachlorocyclopentadiene	236	Compound Not Detected.					
65	1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66	2,4,6-Trichlorophenol	196	Compound Not Detected.					
67	2,4,5-Trichlorophenol	196	Compound Not Detected.					
209	1,1'-Biphenyl	154	Compound Not Detected.					
70	2-Chloronaphthalene	162	Compound Not Detected.					
73	2-Nitroaniline	65	Compound Not Detected.					
76	Dimethylphthalate	163	Compound Not Detected.					
78	2,6-Dinitrotoluene	165	Compound Not Detected.					
79	Acenaphthylene	152	6.700	6.705	(0.984)	4618	0.13595	5.5901(Q)
81	3-Nitroaniline	138	Compound Not Detected.					
82	Acenaphthene	153	6.839	6.850	(1.004)	2395	0.11285	4.6402(Q)
83	2,4-Dinitrophenol	184	Compound Not Detected.					
85	4-Nitrophenol	109	Compound Not Detected.					
86	Dibenzofuran	168	6.978	6.989	(1.024)	3769	0.11700	4.8107
87	2,4-Dinitrotoluene	165	Compound Not Detected.					
91	2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88	2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92	2-Naphthylamine	143	Compound Not Detected.					
93	Diethylphthalate	149	Compound Not Detected.					
94	Fluorene	166	7.250	7.261	(1.064)	5205	0.12580	5.1728
95	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96	4-Nitroaniline	138	Compound Not Detected.					
98	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99	N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100	1,2-Diphenylhydrazine	77	Compound Not Detected.					
106	4-Bromophenyl-phenylether	248	Compound Not Detected.					
107	Hexachlorobenzene	283	Compound Not Detected.					
210	Atrazine	200	Compound Not Detected.					
111	Pentachlorophenol	265	Compound Not Detected.					
115	Phenanthrene	178	8.025	8.030	(1.003)	52376	1.21498	49.958

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
116 Anthracene	178	8.068	8.073	(1.008)	11575	0.27422	11.276
119 Carbazole	167	8.191	8.196	(1.023)	8840	0.22133	9.1007(Q)
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	8.981	8.987	(1.122)	153553	3.39717	139.69
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	9.163	9.168	(0.904)	133051	2.39830	98.614
131 Butylbenzylphthalate	149	9.660	9.665	(0.953)	7652	0.30941	12.722
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	10.130	10.130	(0.999)	61520	1.29169	53.112
137 Chrysene	228	10.156	10.162	(1.002)	103426	1.97618	81.257
139 bis(2-ethylhexyl)Phthalate	149	10.114	10.124	(0.998)	75273	2.35166	96.696
140 Di-n-octylphthalate	149	10.696	10.680	(0.926)	43406	2.45018	100.75(M)
141 Benzo(b)fluoranthene	252	11.129	11.129	(0.963)	138493	2.36727	97.338(M)
142 Benzo(k)fluoranthene	252	11.145	11.155	(0.964)	59356	0.93759	38.552(QM)
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	11.492	11.497	(0.994)	92386	2.55677	105.13
149 Indeno(1,2,3-cd)pyrene	276	13.020	13.020	(1.127)	83302	2.16472	89.010
150 Dibenz(a,h)anthracene	278	13.031	13.047	(1.128)	16134	1.30338	53.593
151 Benzo(g,h,i)perylene	276	13.458	13.458	(1.165)	106204	2.29831	94.503
$ 154 Nitrobenzene-d5	82	4.814	4.825	(0.892)	33516	4.10812	168.92
$ 155 2-Fluorobiphenyl	172	6.273	6.283	(0.921)	73965	3.35838	138.09
$ 156 Terphenyl-d14	244	9.275	9.280	(0.915)	94384	2.88029	118.43(R)
$ 157 Phenol-d5	99	4.088	4.098	(0.936)	44197	5.18579	213.23
$ 158 2-Fluorophenol	112	3.260	3.281	(0.747)	28372	4.92066	202.33
$ 159 2,4,6-Tribromophenol	330	7.448	7.453	(0.931)	13117	4.03767	166.02
$ 186 2-Chlorophenol-d4	132	4.179	4.195	(0.957)	41160	4.99162	205.25
$ 187 1,2-Dichlorobenzene-d4	152	4.494	4.504	(1.029)	20275	3.15988	129.93

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D

Date : 04-NOV-2010 18:29

Client ID: 20100840 SD10-08

Instrument: 732.i

Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

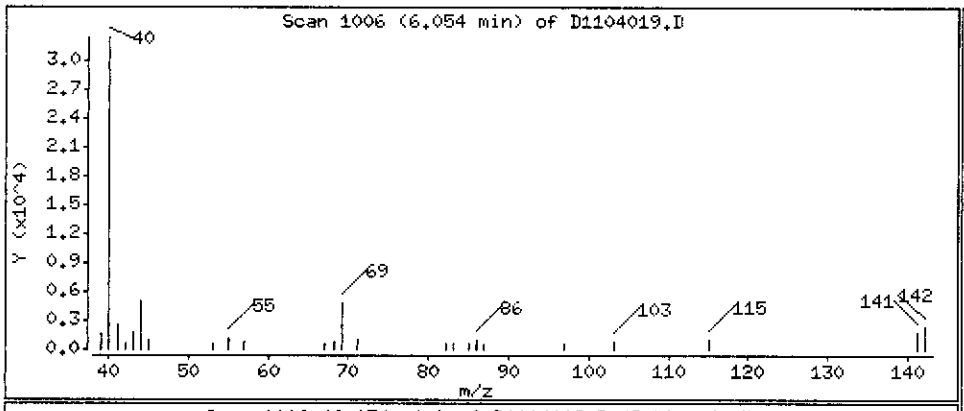
Operator: 430261nc

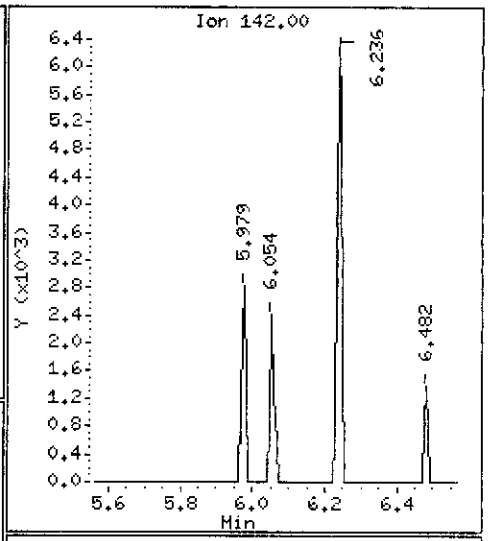
Column phase: DB5-MS

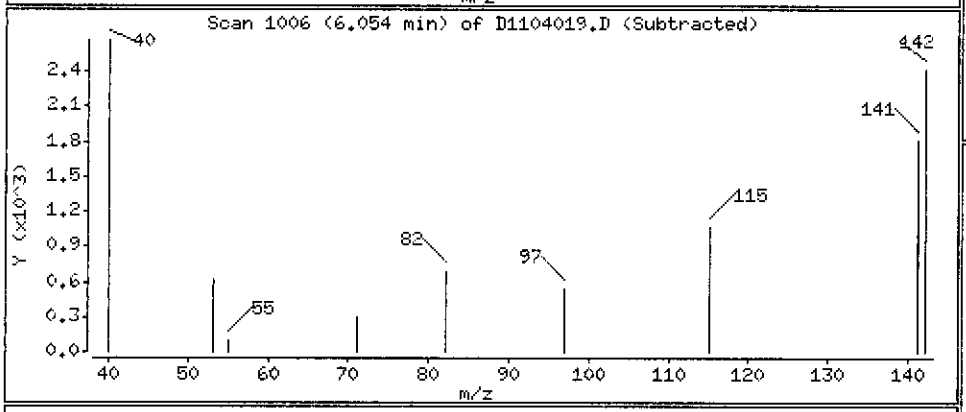
Column diameter: 0.32

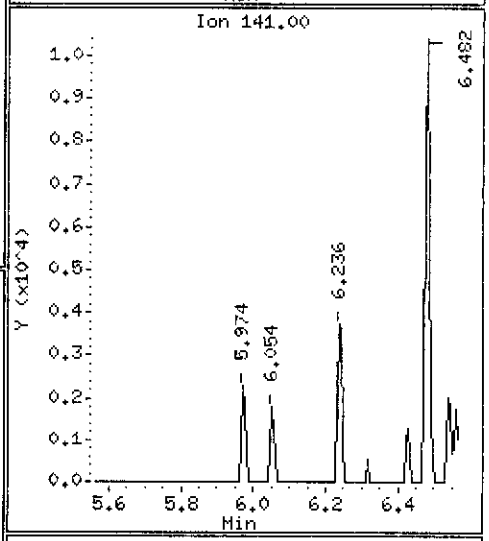
63 1-Methylnaphthalene

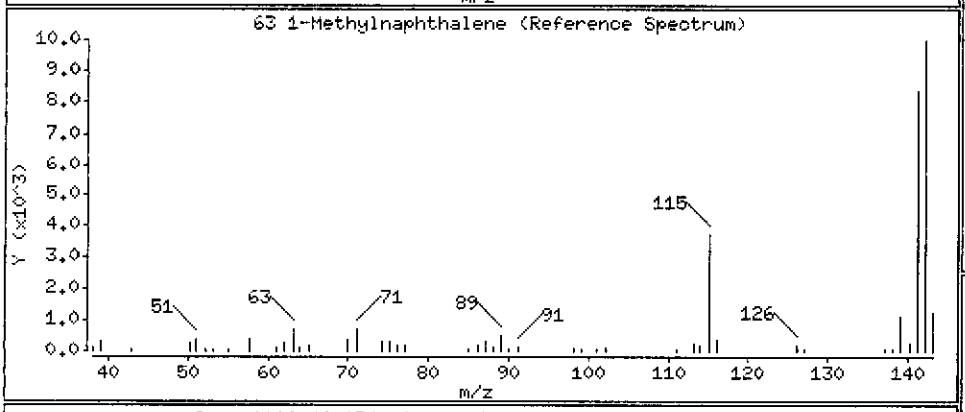
Concentration: 3.1459 ug/kg

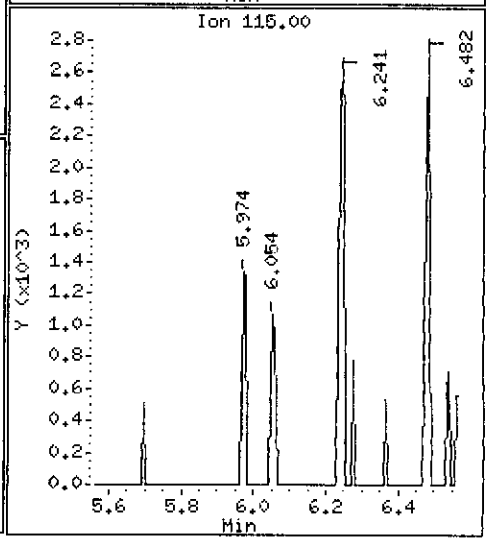


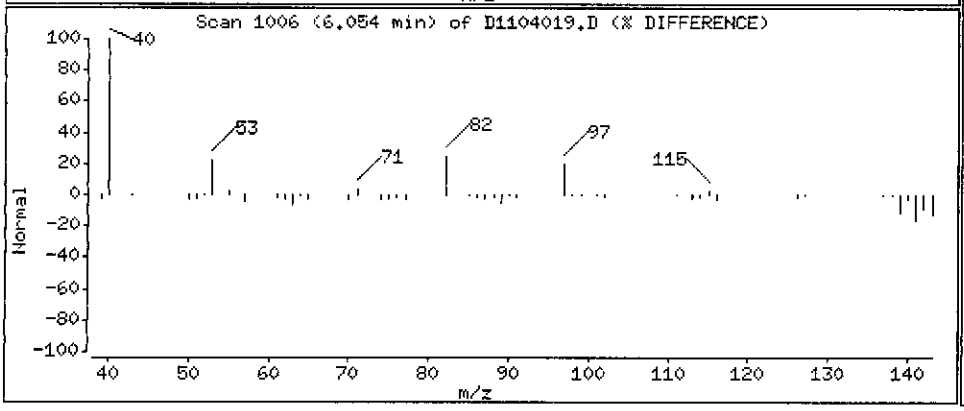












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D

Date : 04-NOV-2010 18:29

Client ID: 20100840 SD10-08

Instrument: 732.i

Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

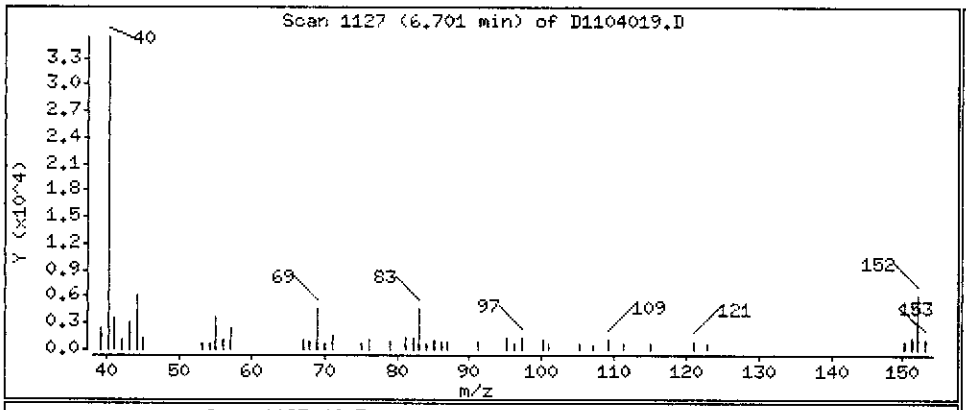
Operator: 430261nc

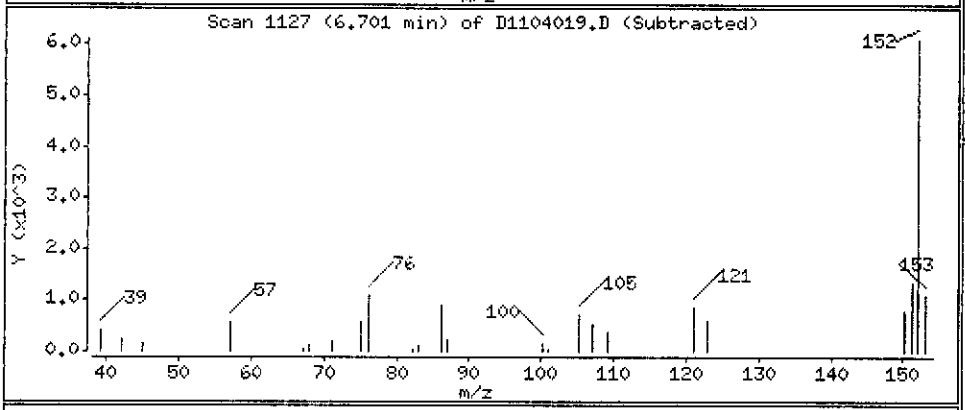
Column phase: DB5-MS

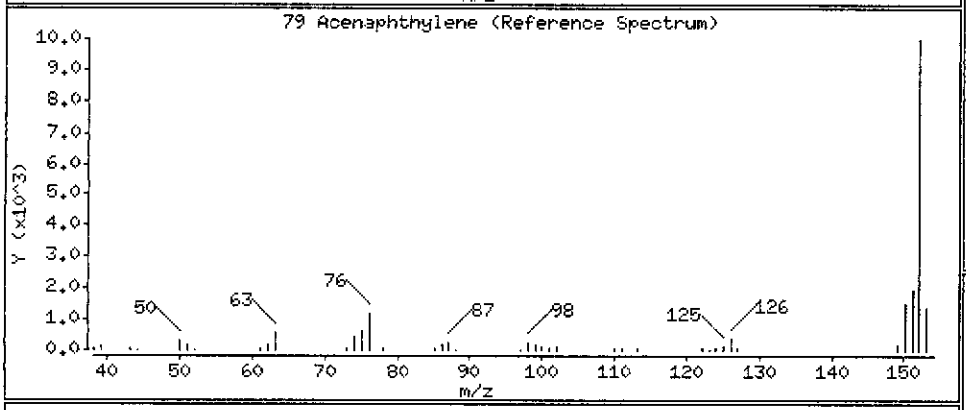
Column diameter: 0.32

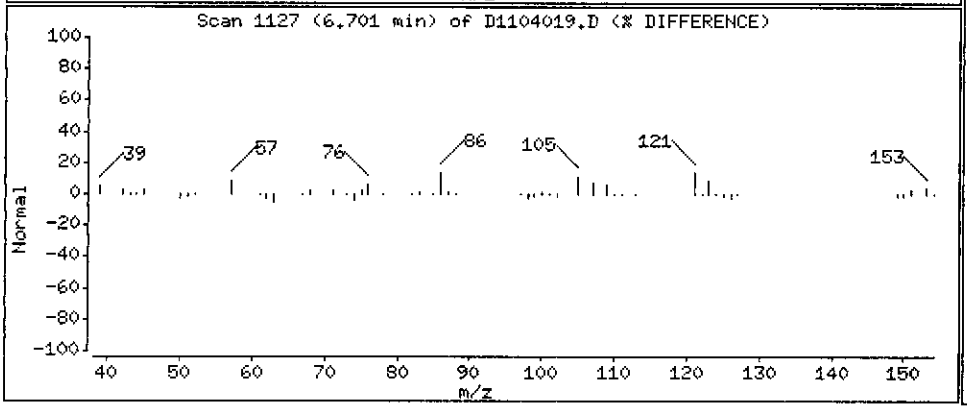
79 Acenaphthylene

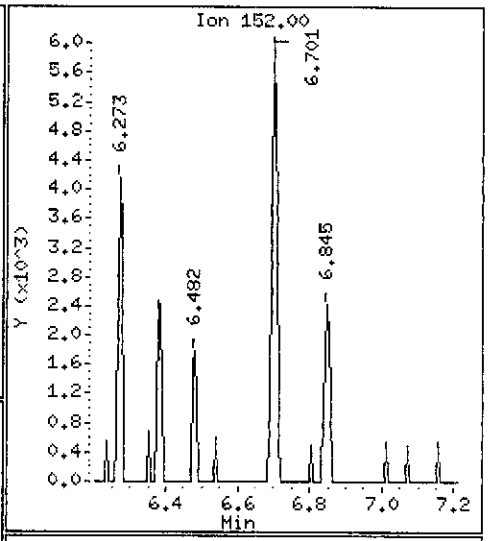
Concentration: 5.5901 ug/kg

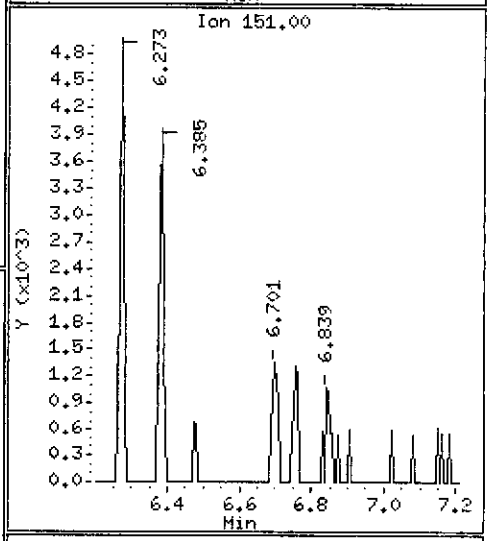


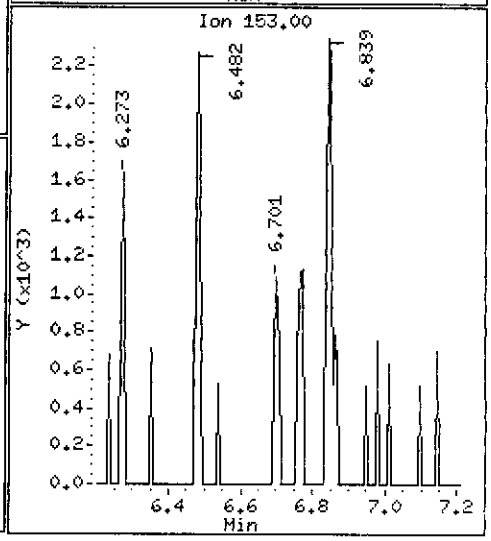












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D

Date : 04-NOV-2010 18:29

Client ID: 20100840 SD10-08

Instrument: 732.i

Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

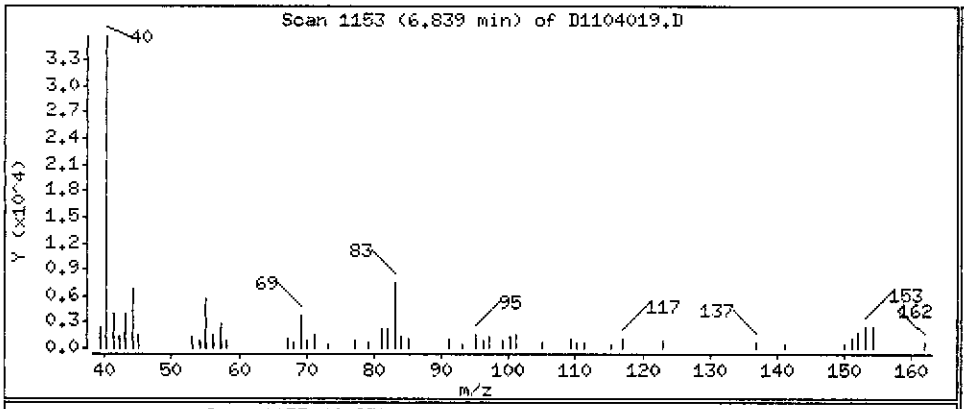
Operator: 430261nc

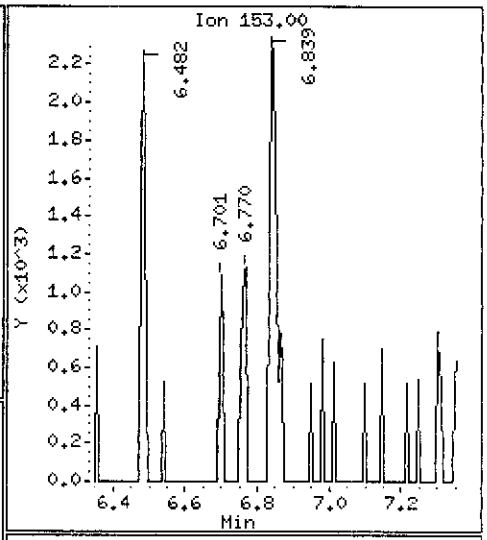
Column phase: DB5-MS

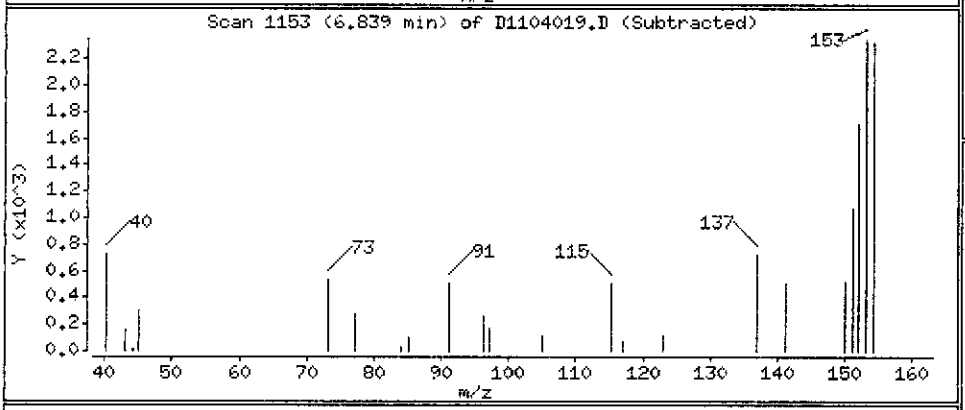
Column diameter: 0.32

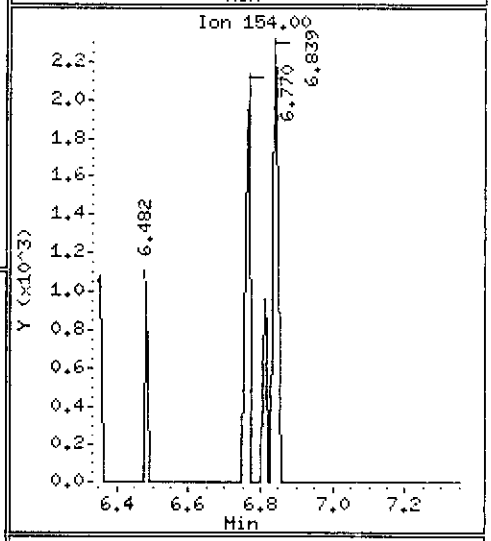
82 Acenaphthene

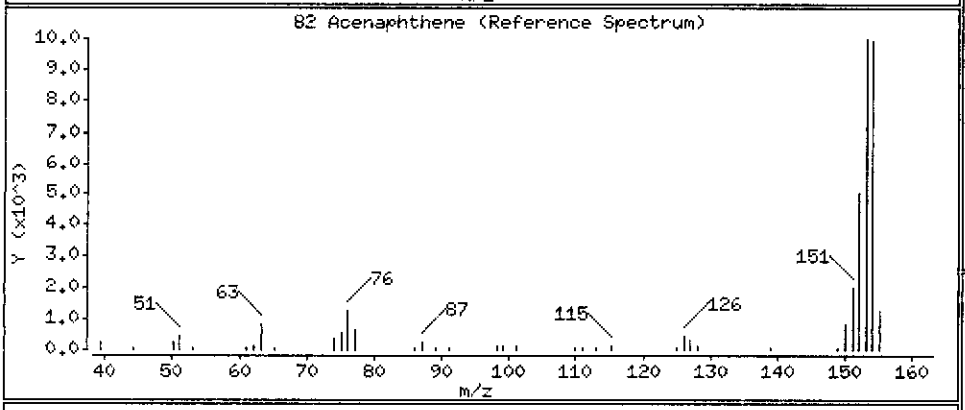
Concentration: 4.6402 ug/kg

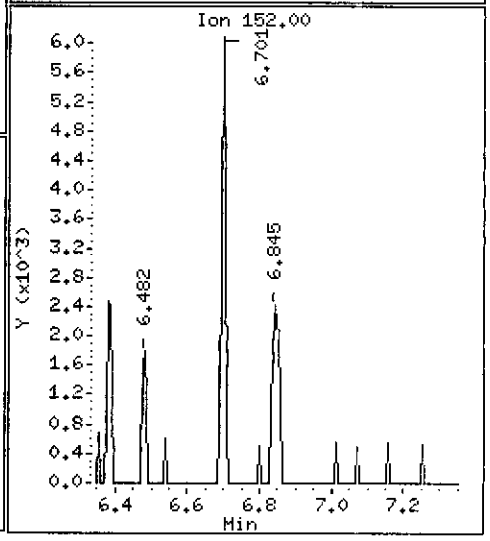


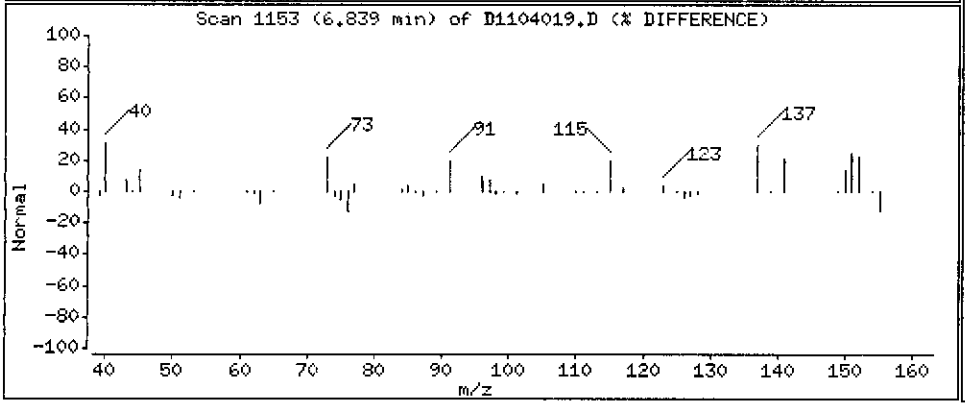












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D

Date : 04-NOV-2010 18:29

Client ID: 20100840 SD10-08

Instrument: 732.i

Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

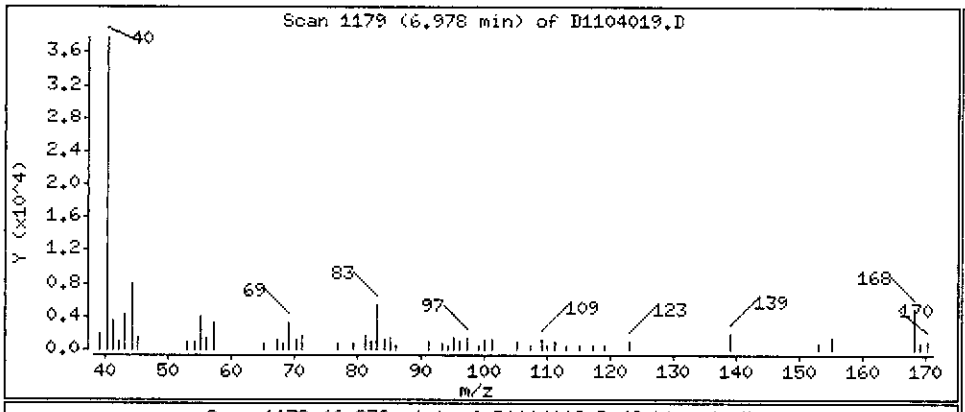
Operator: 430261nc

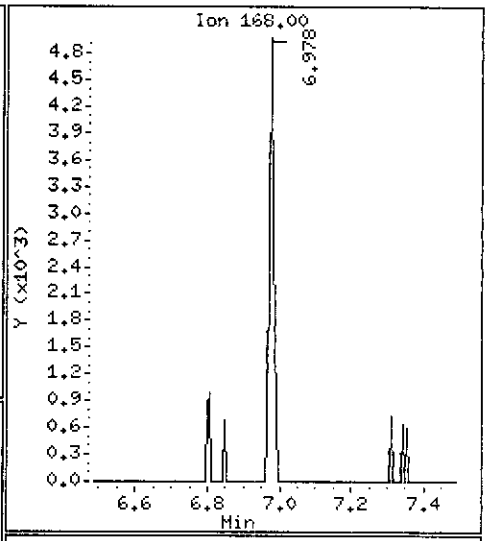
Column phase: DB5-MS

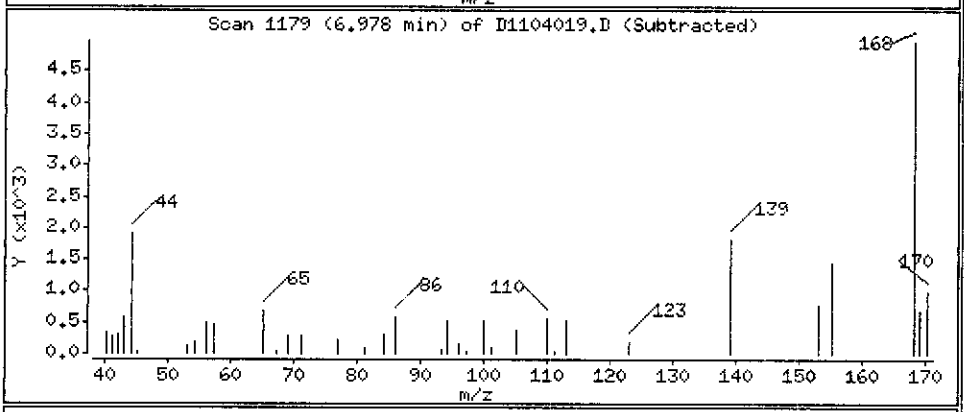
Column diameter: 0.32

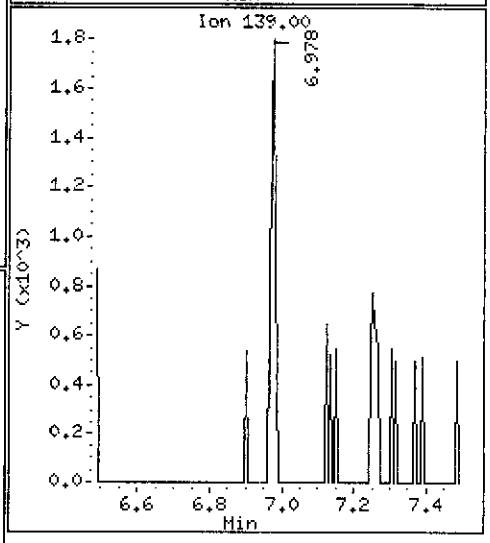
86 Dibenzofuran

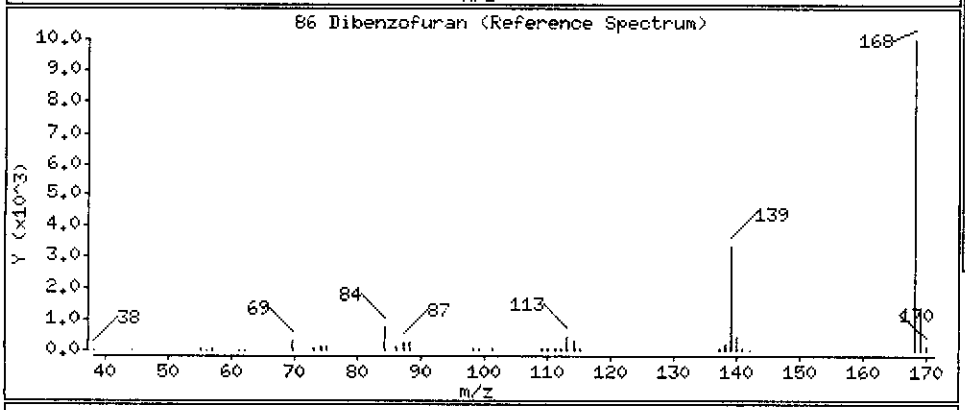
Concentration: 4.8107 ug/kg

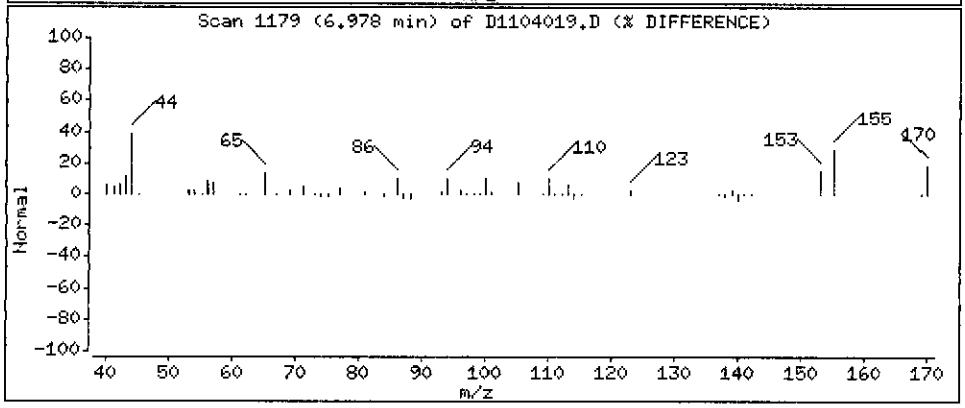












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D

Date : 04-NOV-2010 18:29

Client ID: 20100840 SD10-08

Instrument: 732.i

Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

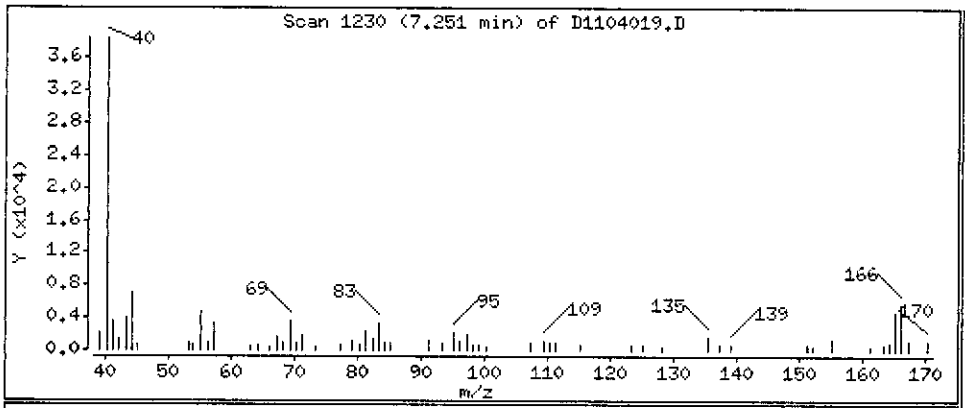
Operator: 430261nc

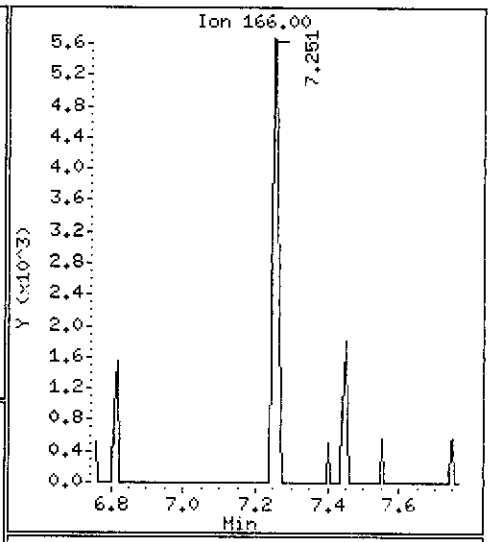
Column phase: DB5-MS

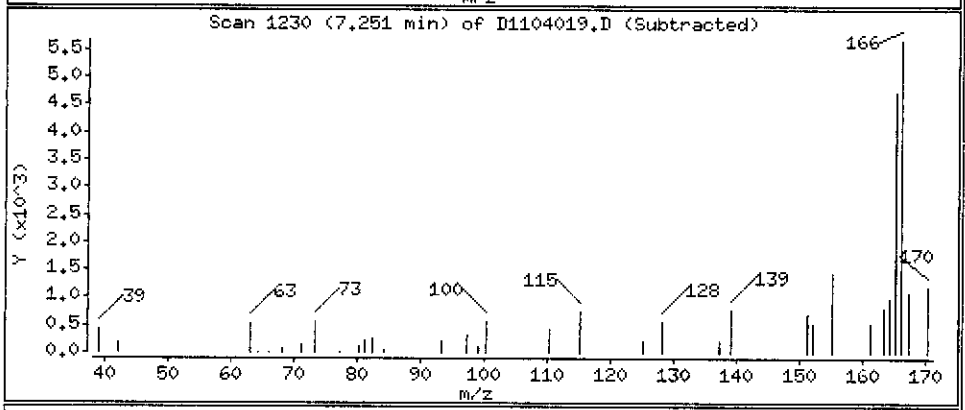
Column diameter: 0.32

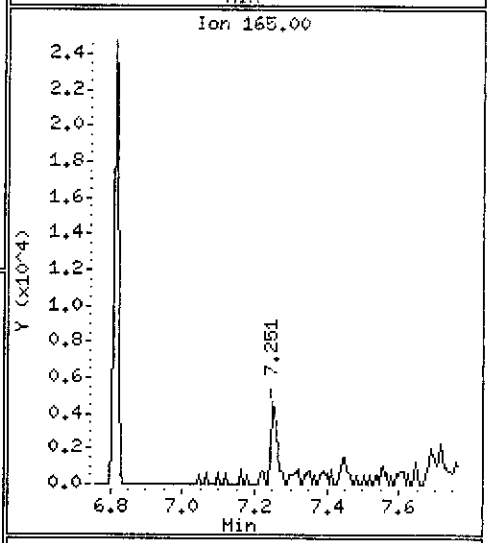
94 Fluorene

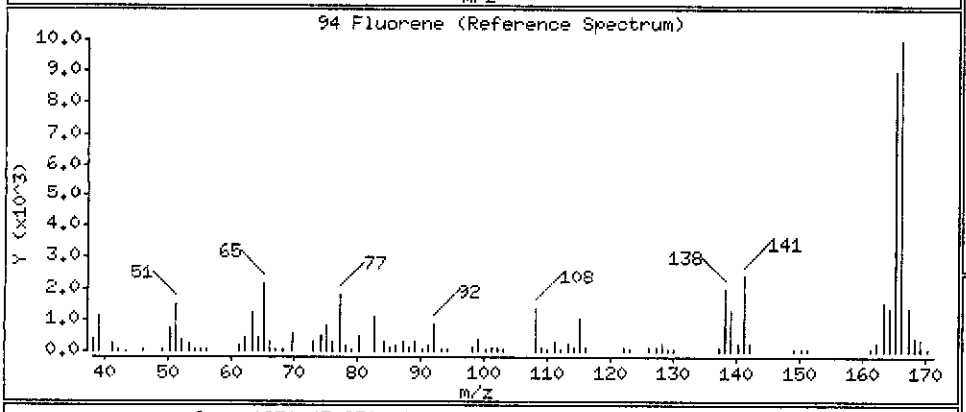
Concentration: 5.1728 ug/kg

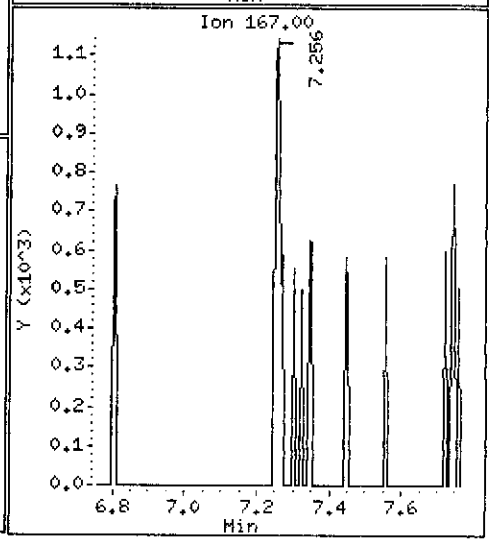


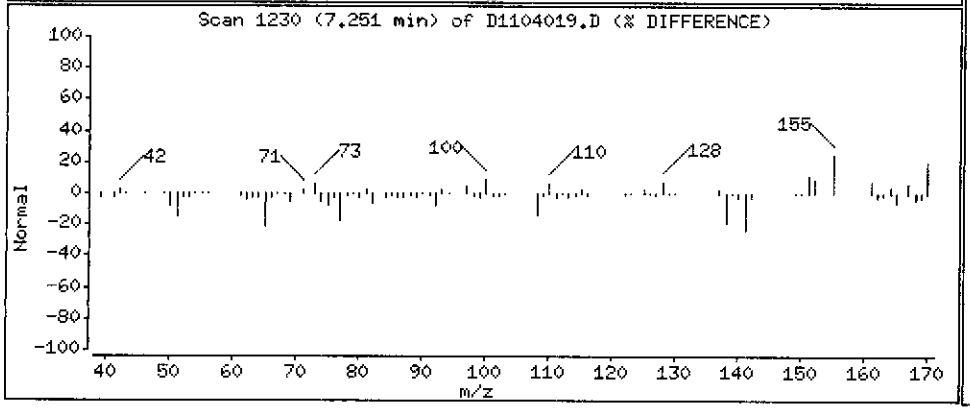












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D

Date : 04-NOV-2010 18:29

Client ID: 20100840 SD10-08

Instrument: 732.i

Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

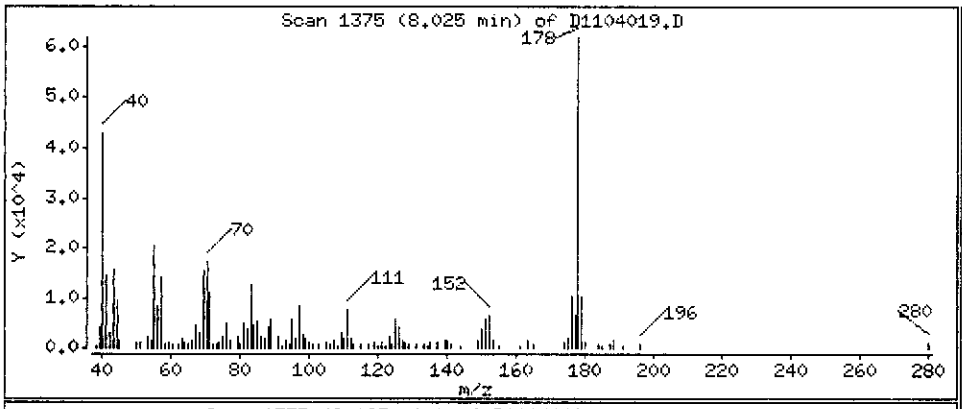
Operator: 430261nc

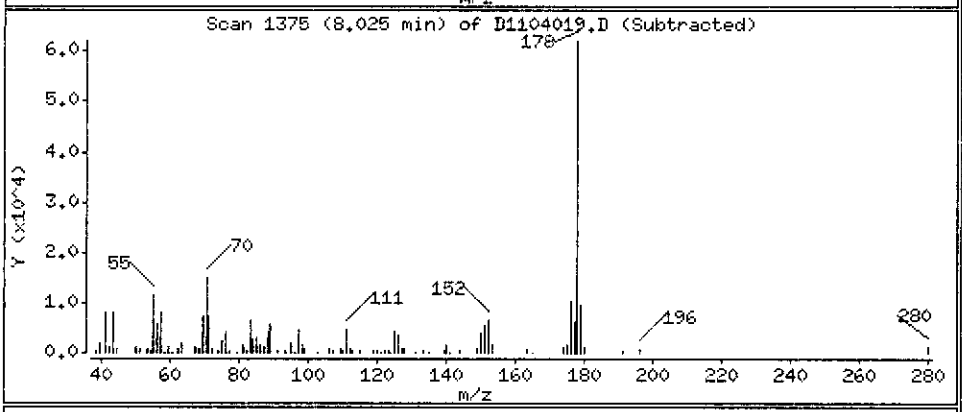
Column phase: DB5-MS

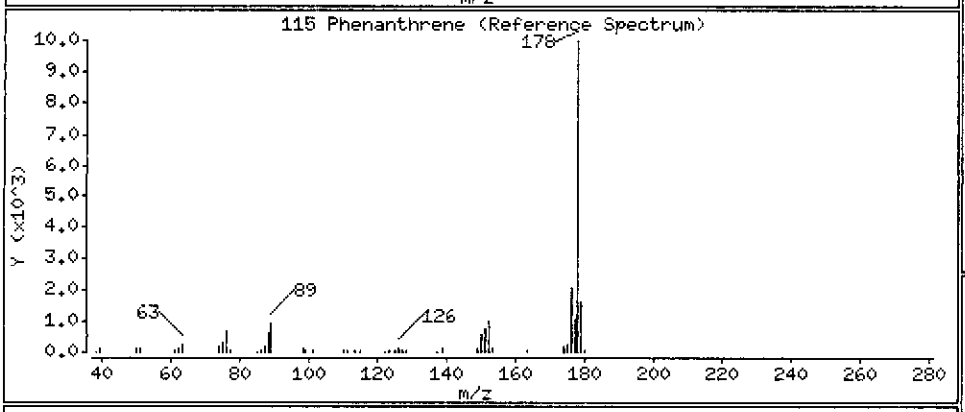
Column diameter: 0.32

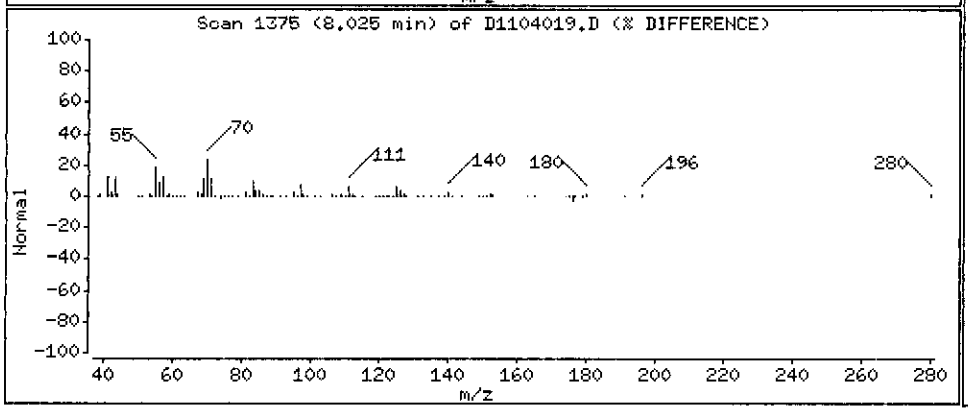
115 Phenanthrene

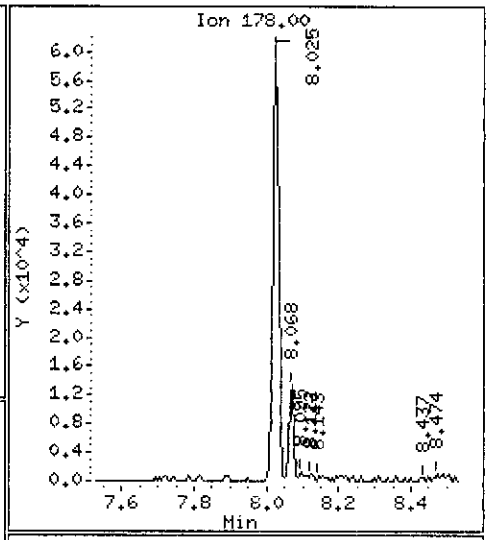
Concentration: 49.958 ug/kg

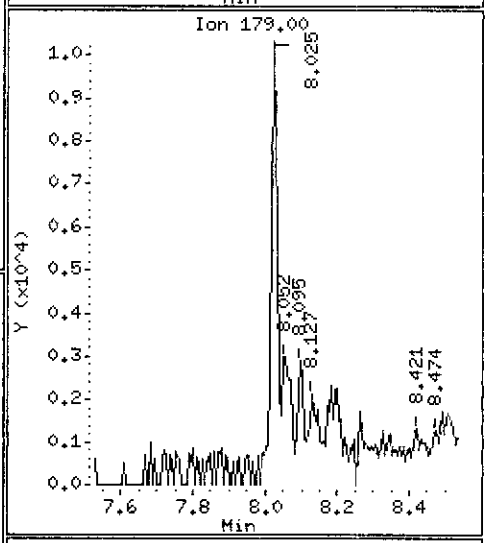


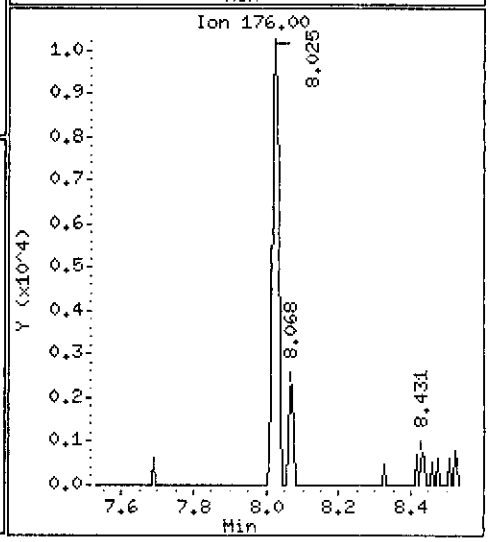












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D

Date : 04-NOV-2010 18:29

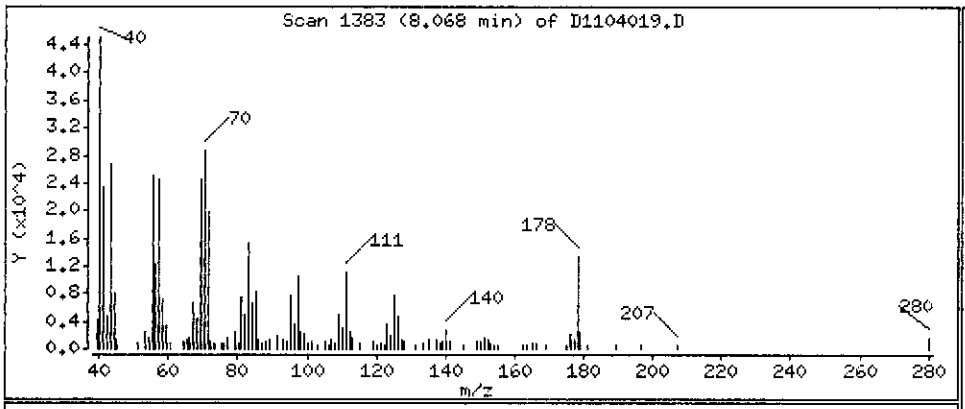
Client ID: 20100840 SD10-08 Instrument: 732.i

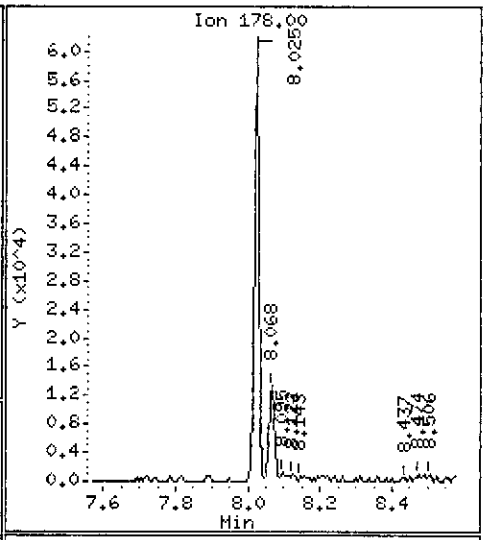
Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)

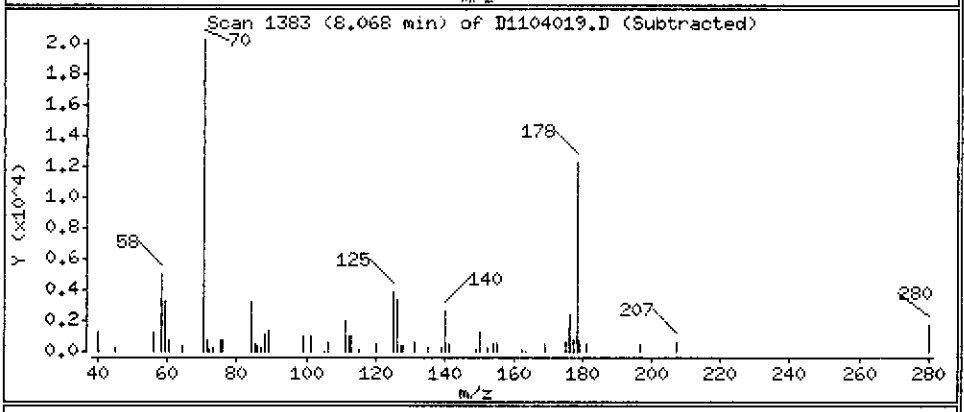
Volume Injected (uL): 2.0 Operator: 430261nc

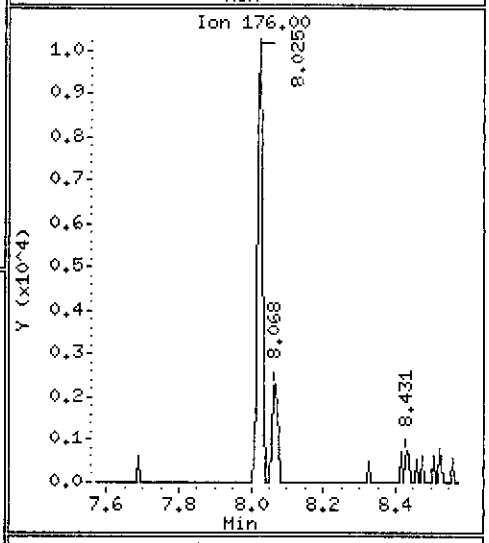
Column phase: DB5-MS Column diameter: 0.32

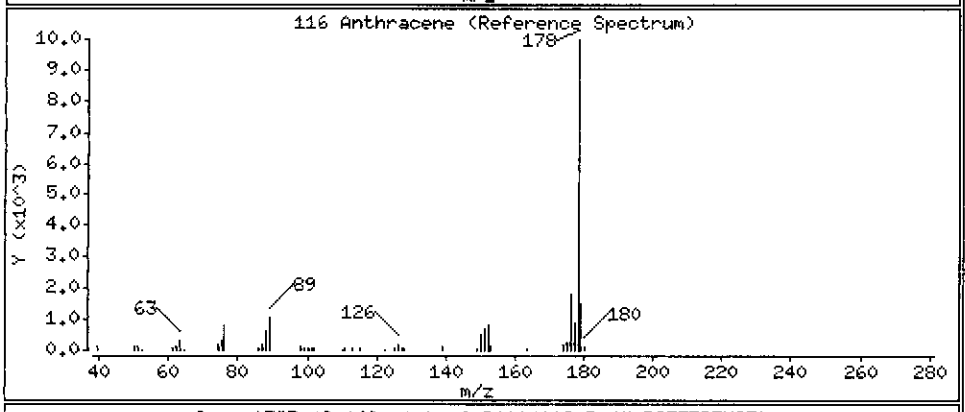
116 Anthracene Concentration: 11.276 ug/kg

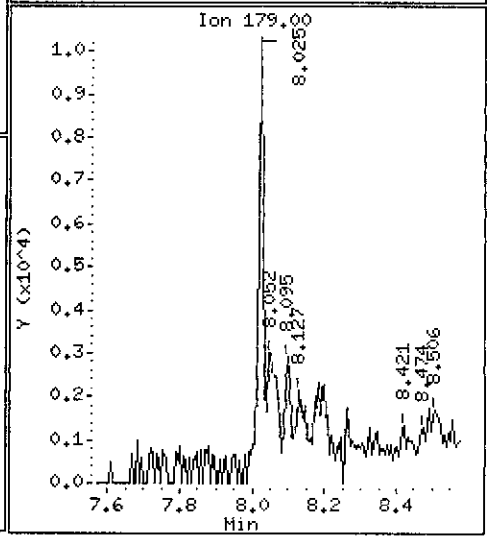


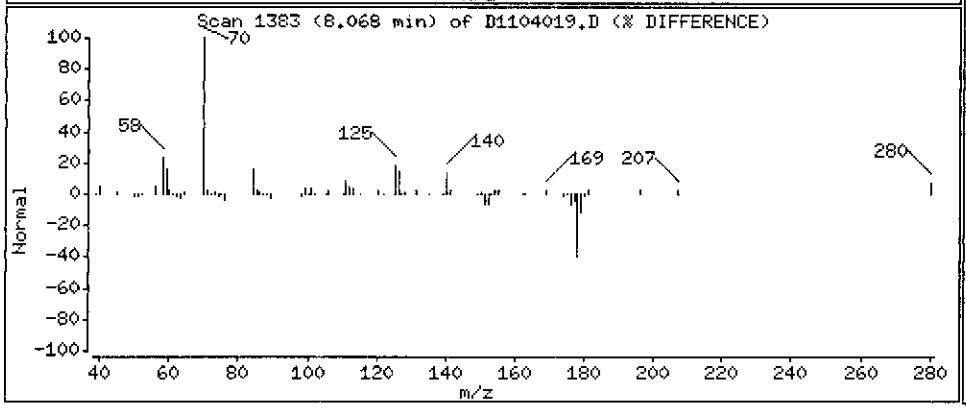












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D

Date : 04-NOV-2010 18:29

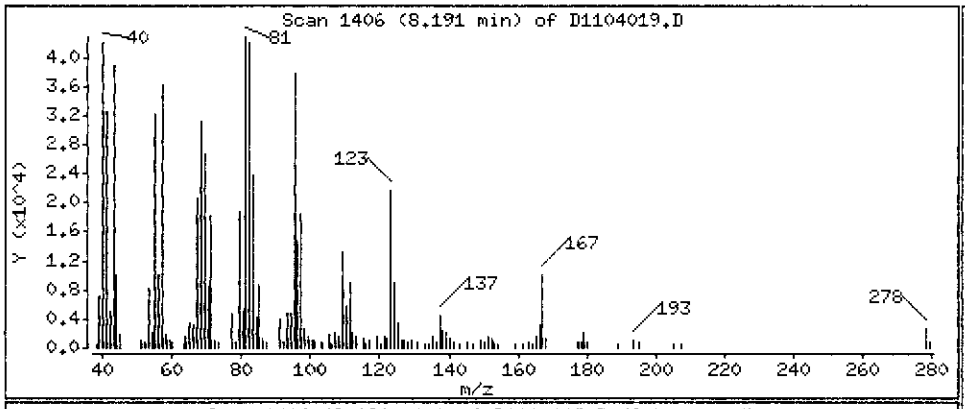
Client ID: 20100840 SD10-08 Instrument: 732.i

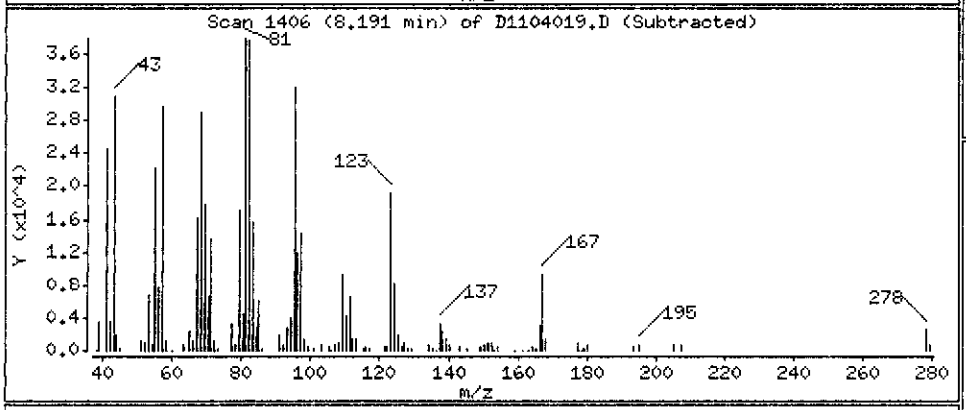
Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)

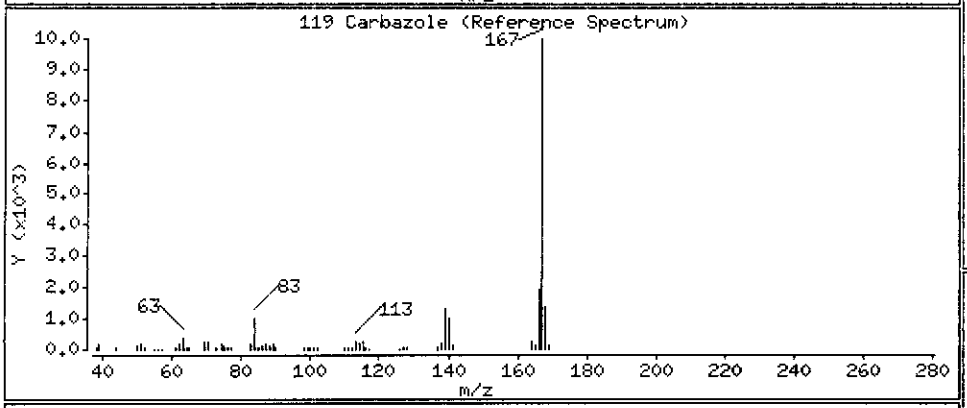
Volume Injected (uL): 2.0 Operator: 430261nc

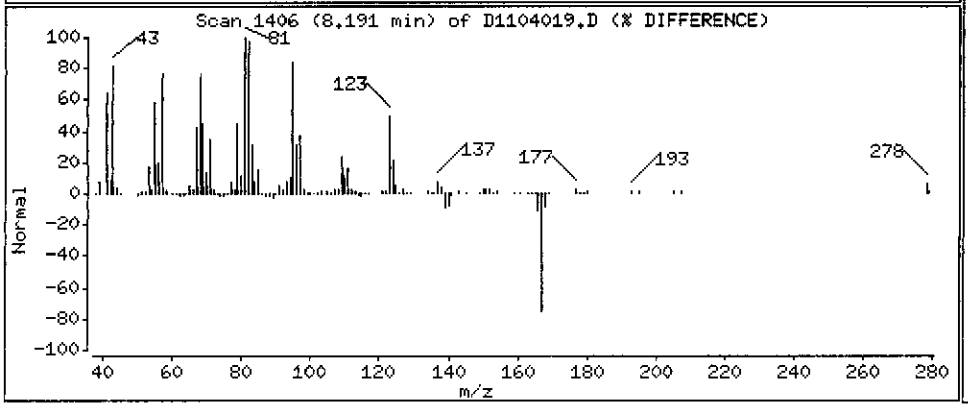
Column phase: DB5-MS Column diameter: 0.32

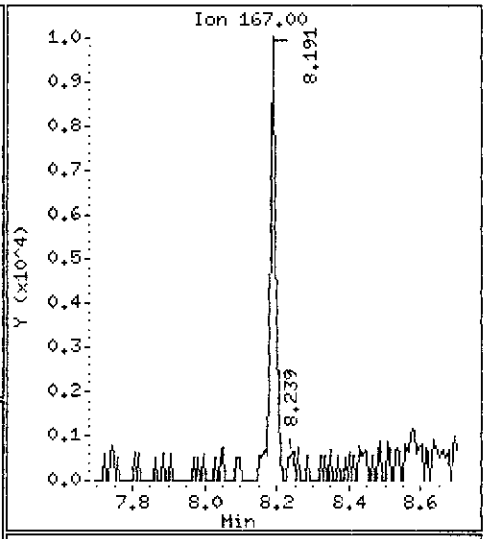
119 Carbazole Concentration: 9.1007 ug/kg

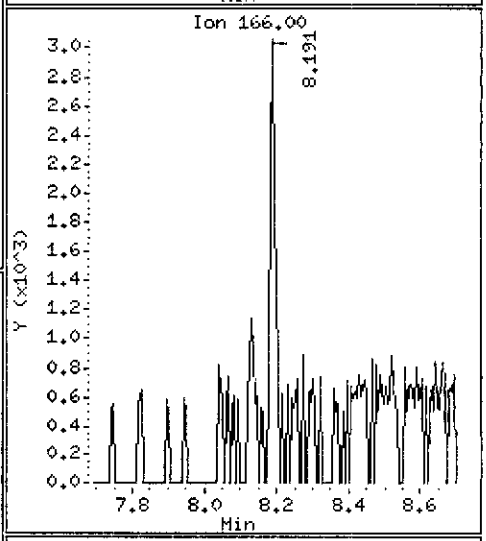


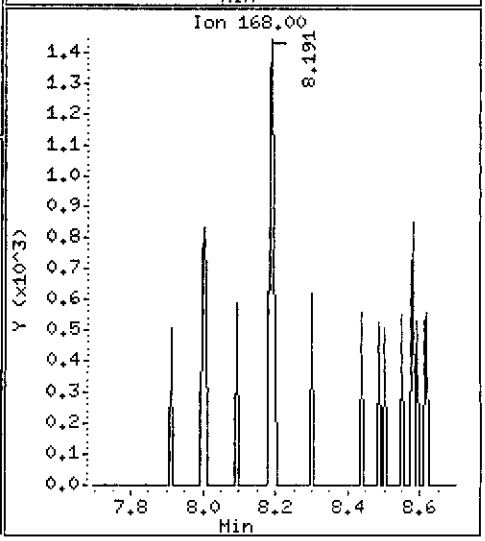












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D

Date : 04-NOV-2010 18:29

Client ID: 20100840 SD10-08

Instrument: 732.i

Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

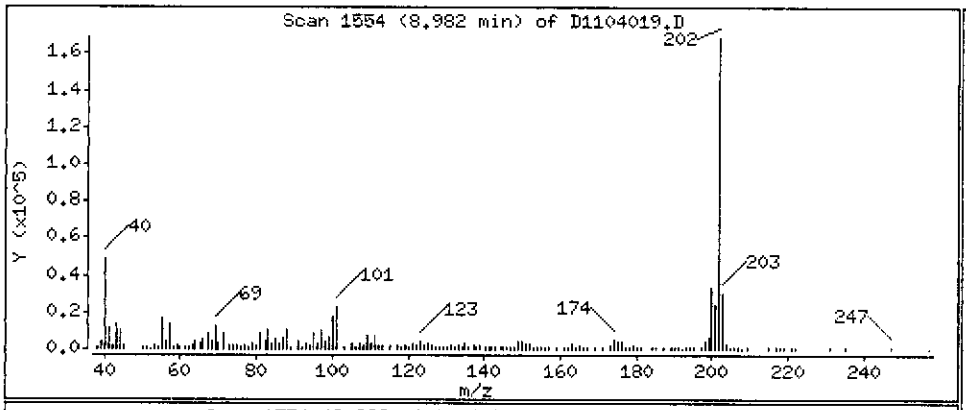
Operator: 430261nc

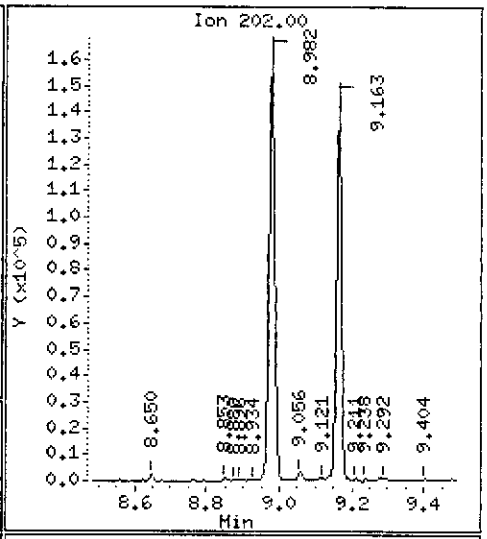
Column phase: DB5-MS

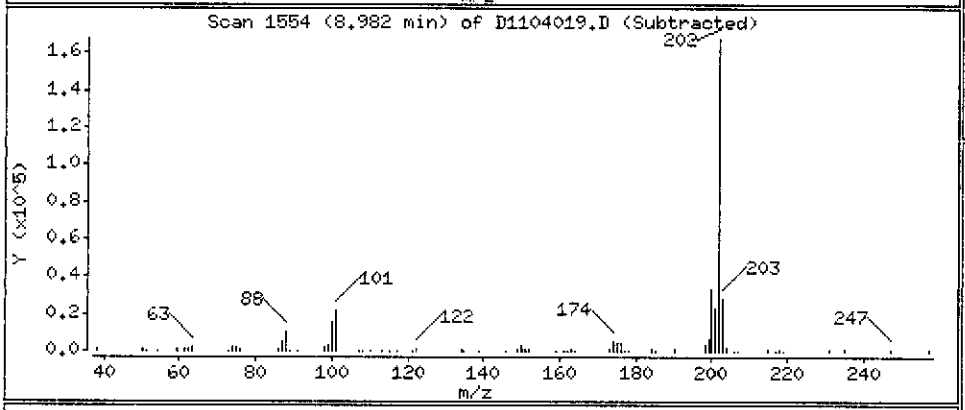
Column diameter: 0.32

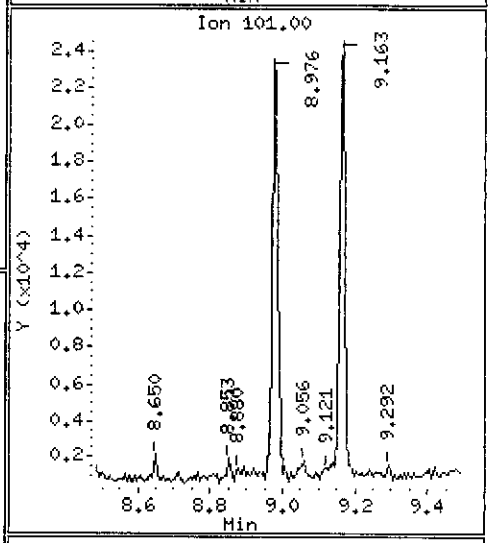
123 Fluoranthene

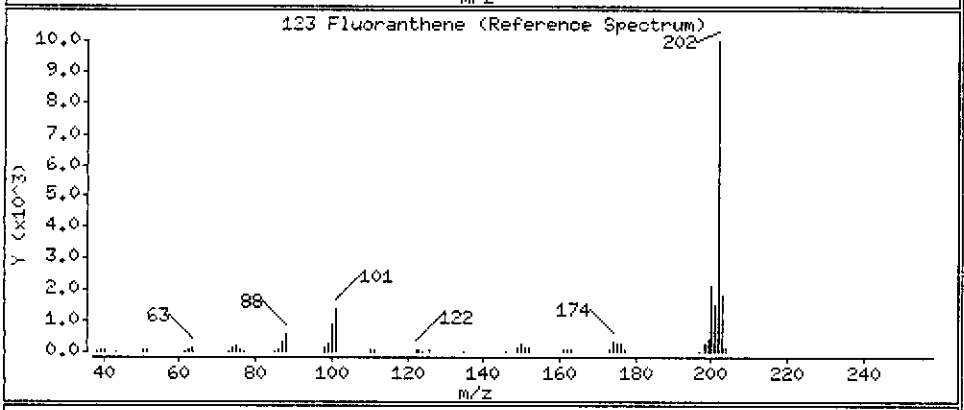
Concentration: 139.69 ug/kg

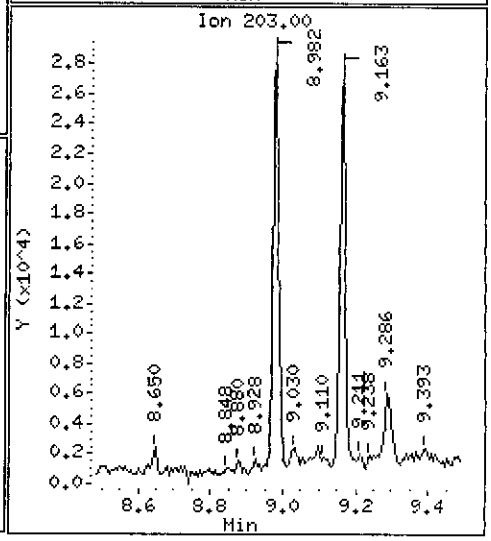


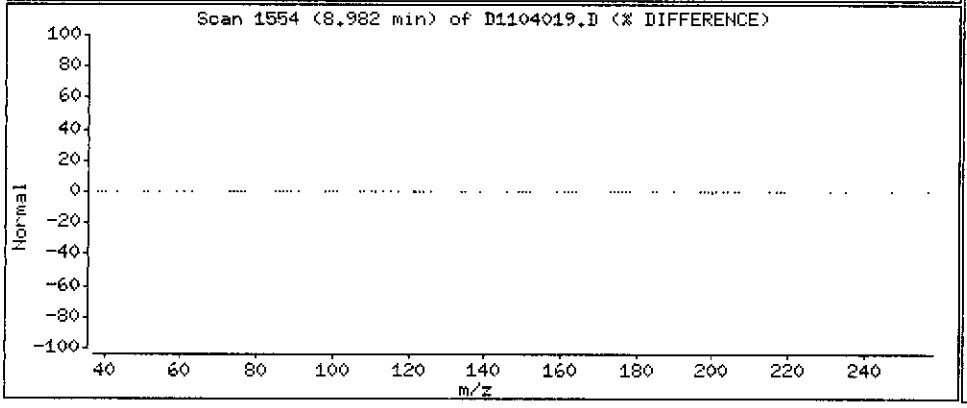












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D

Date : 04-NOV-2010 18:29

Client ID: 20100840 SD10-08

Instrument: 732.i

Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

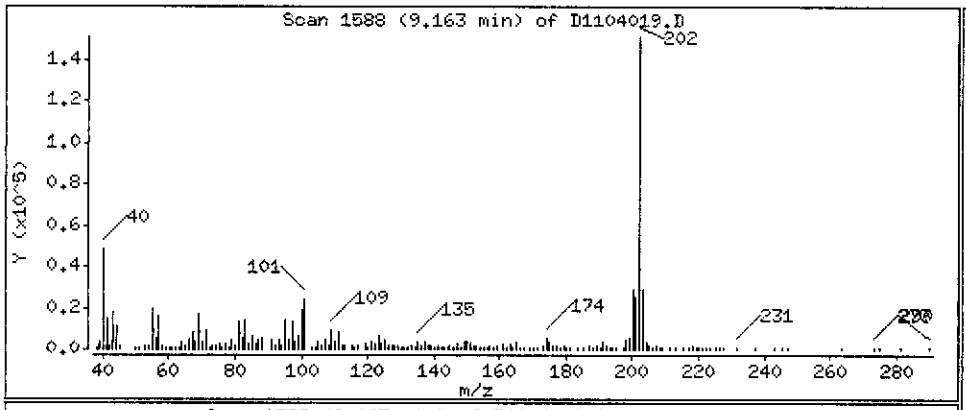
Operator: 430261nc

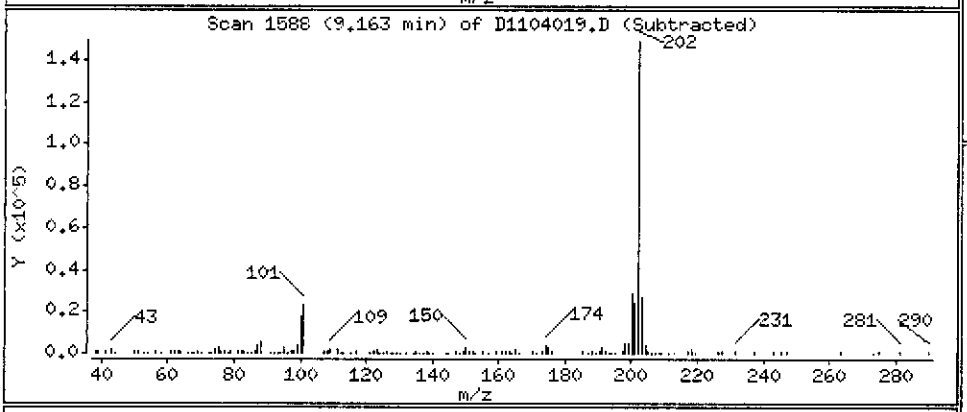
Column phase: DB5-MS

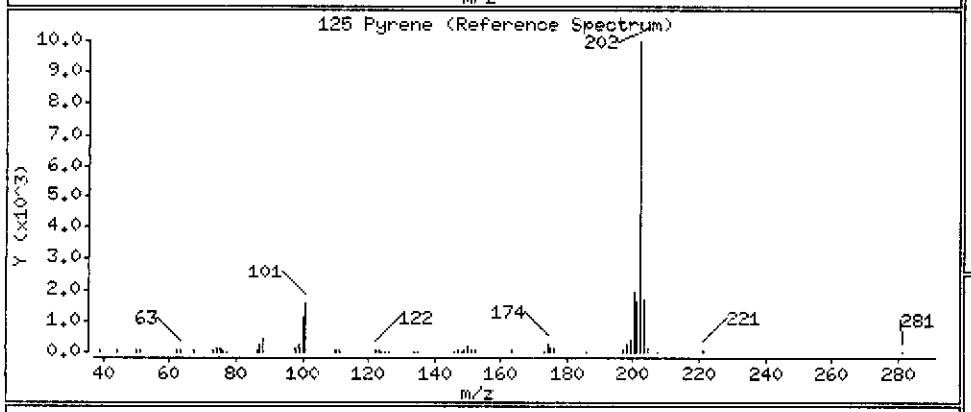
Column diameter: 0.32

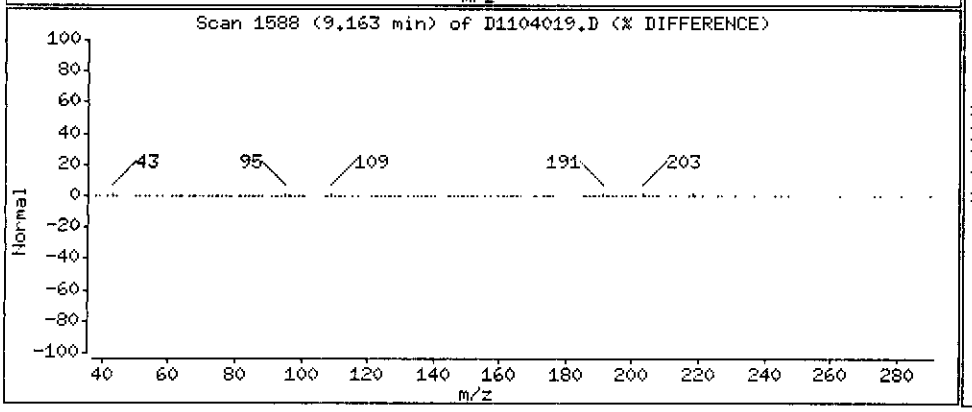
125 Pyrene

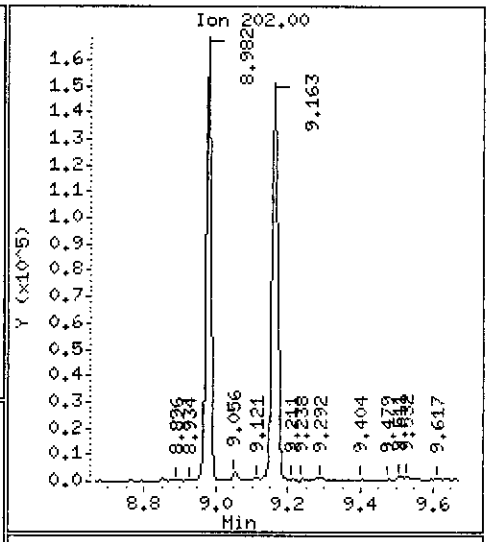
Concentration: 98.614 ug/kg

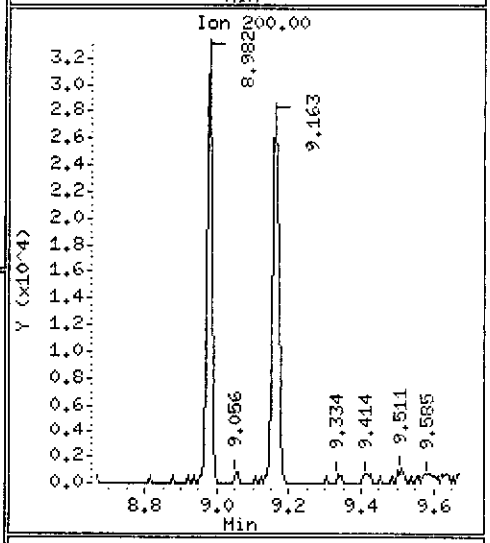


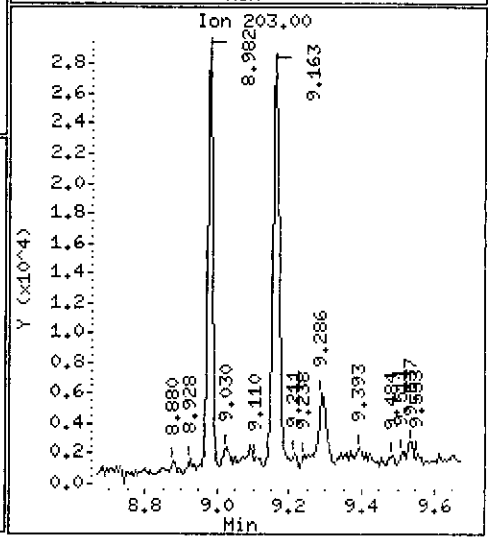












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D

Date : 04-NOV-2010 18:29

Client ID: 20100840 SD10-08

Instrument: 732.i

Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

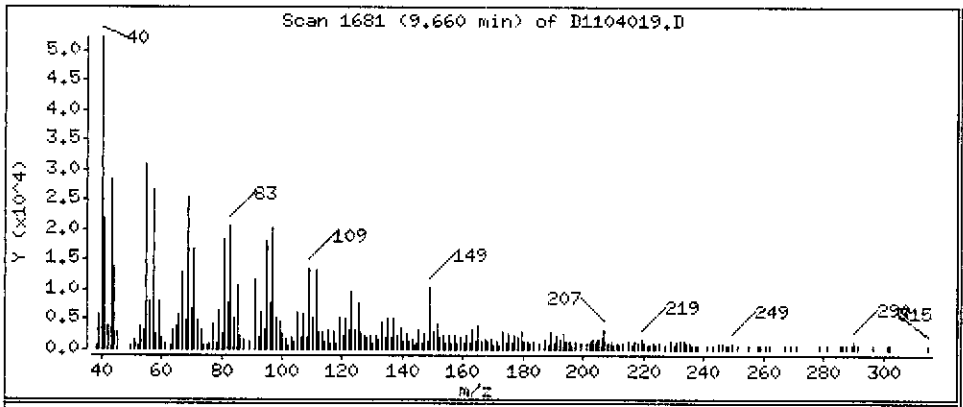
Operator: 430261nc

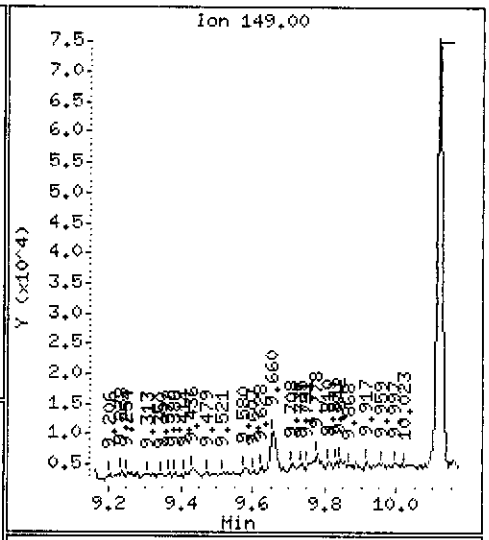
Column phase: DB5-MS

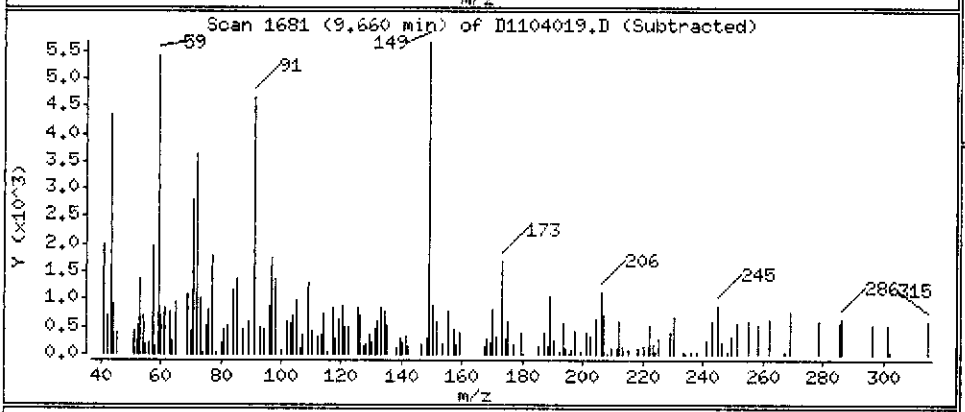
Column diameter: 0.32

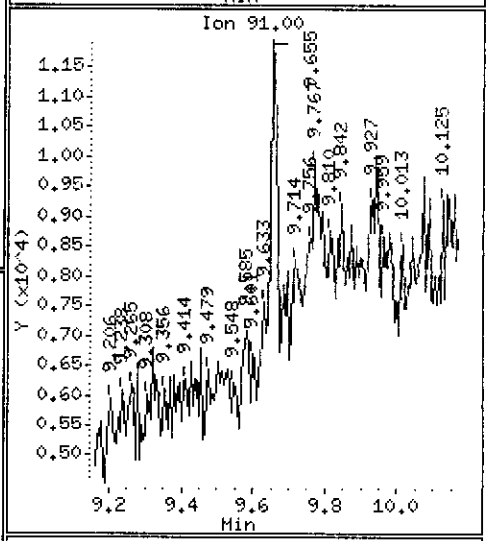
131 Butylbenzylphthalate

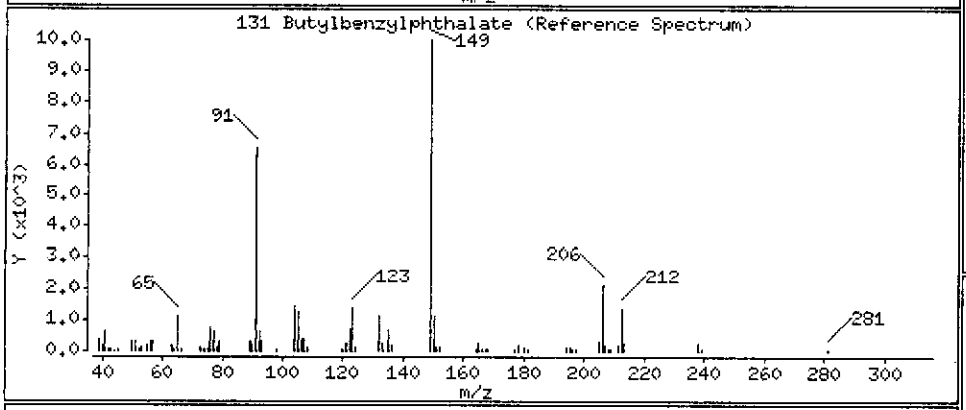
Concentration: 12.722 ug/kg

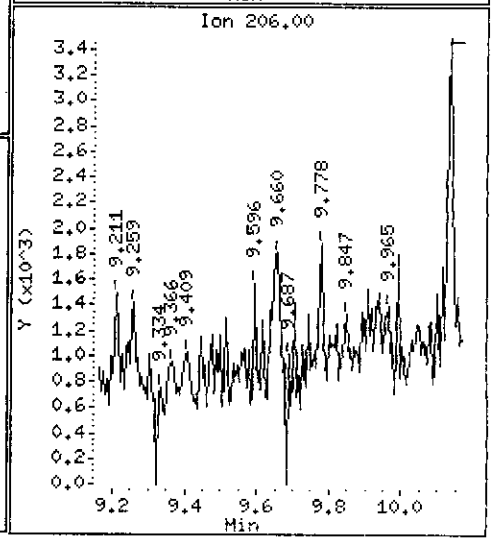


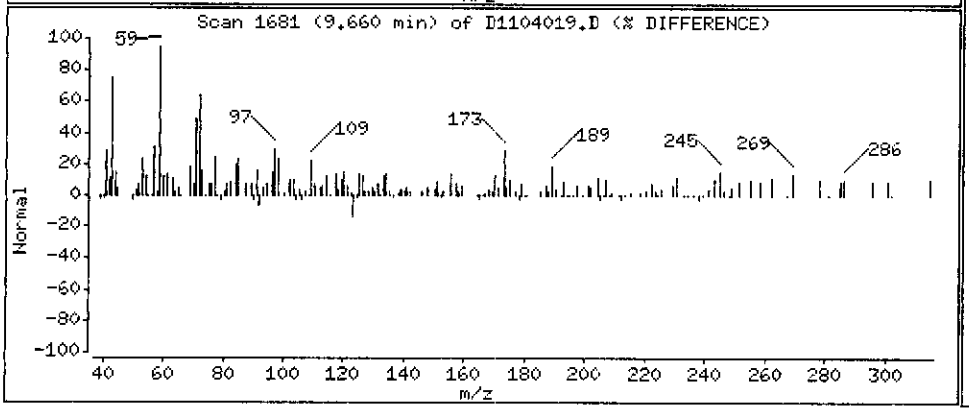












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D

Date : 04-NOV-2010 18:29

Client ID: 20100840 SD10-08

Instrument: 732.i

Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

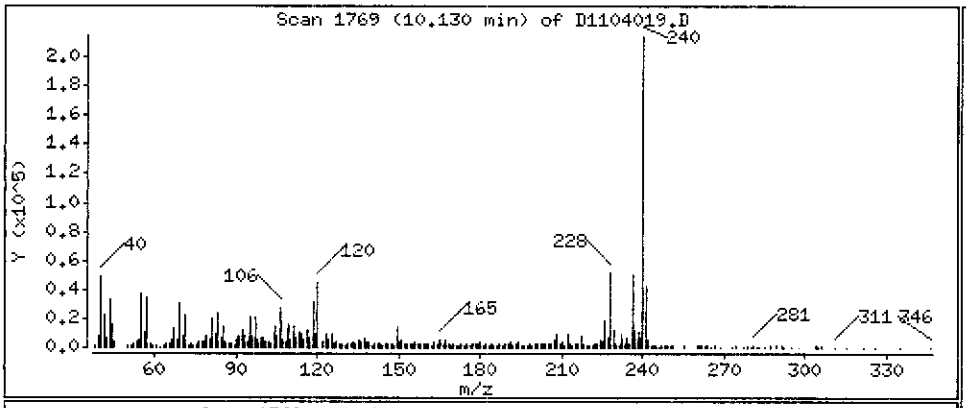
Operator: 430261nc

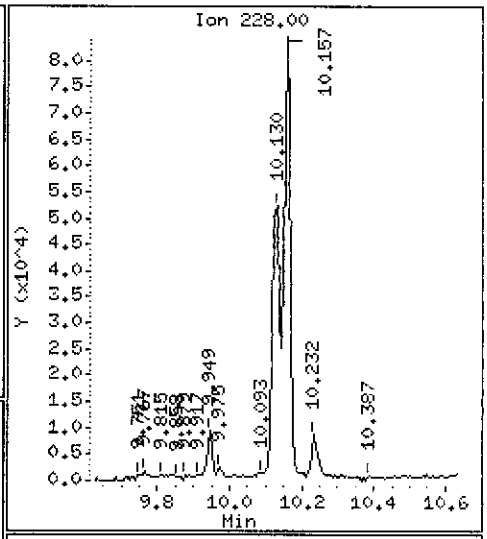
Column phase: DB5-MS

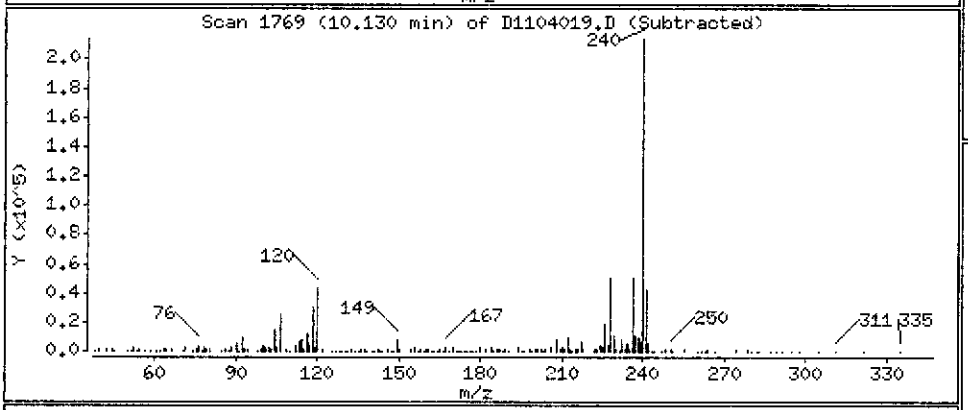
Column diameter: 0.32

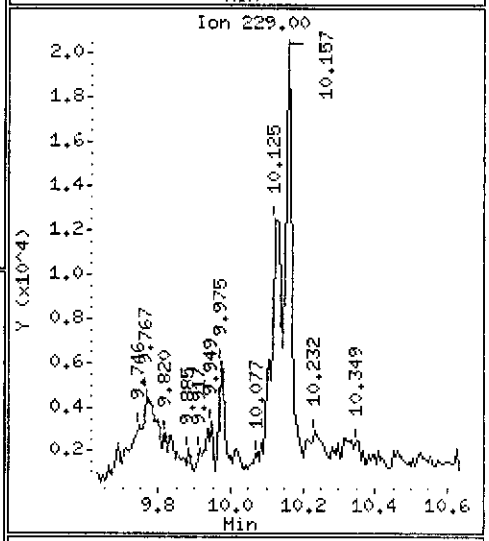
136 Benzo(a)Anthracene

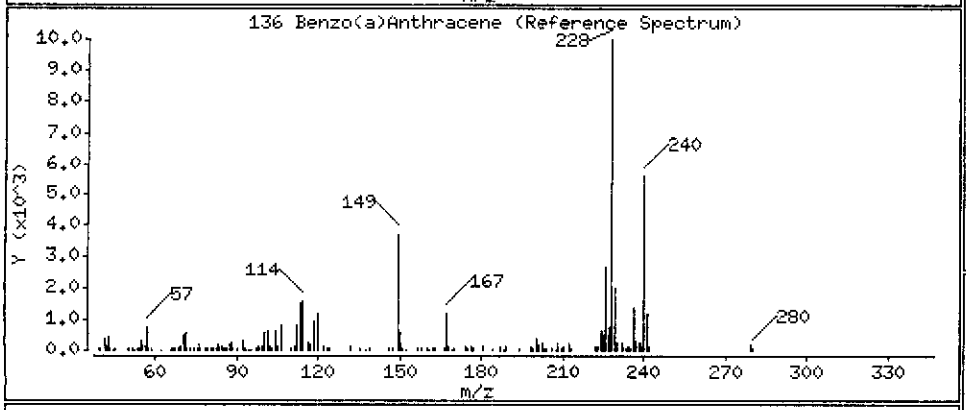
Concentration: 53.112 ug/kg

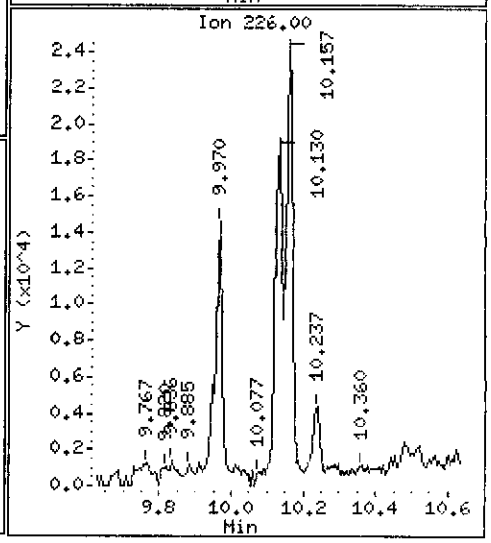


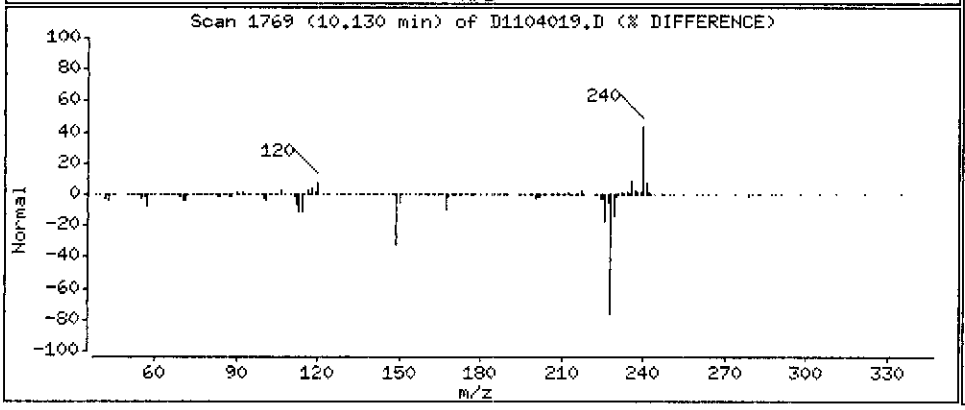












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D

Date : 04-NOV-2010 18:29

Client ID: 20100840 SD10-08

Instrument: 732.i

Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

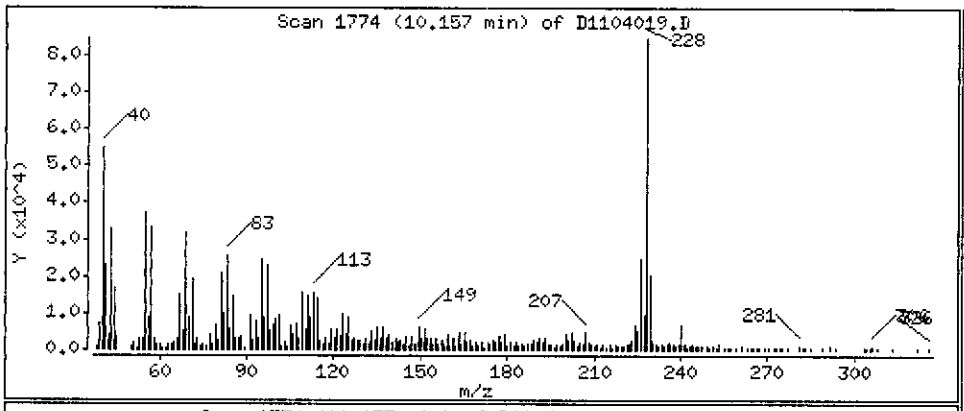
Operator: 430261nc

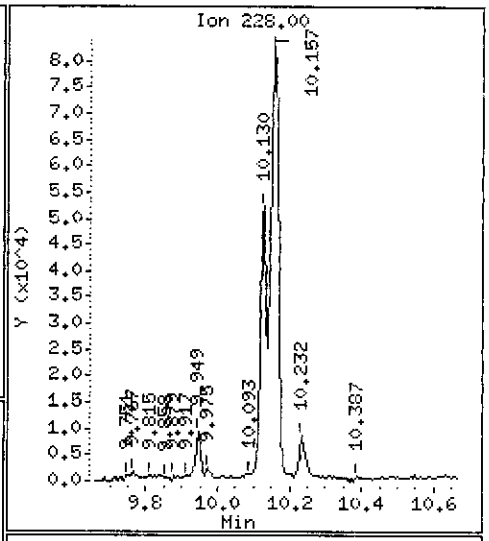
Column phase: DB5-MS

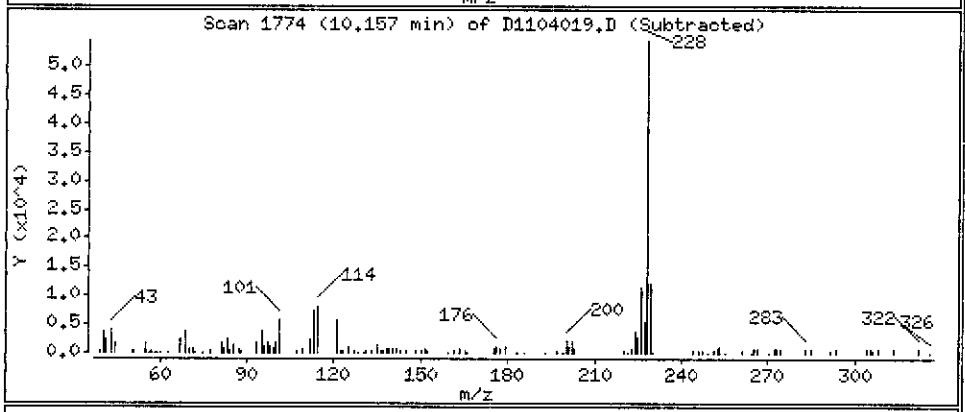
Column diameter: 0.32

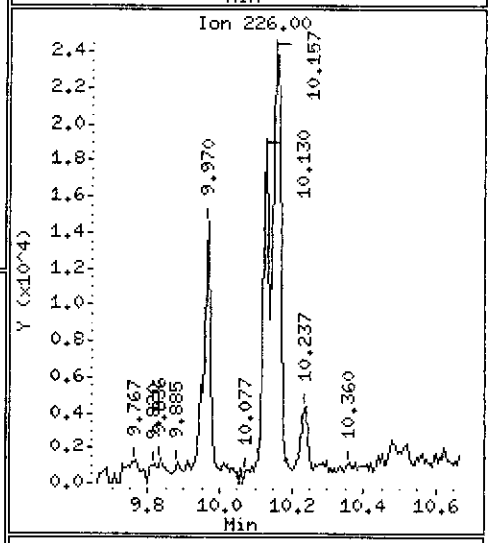
137 Chrysene

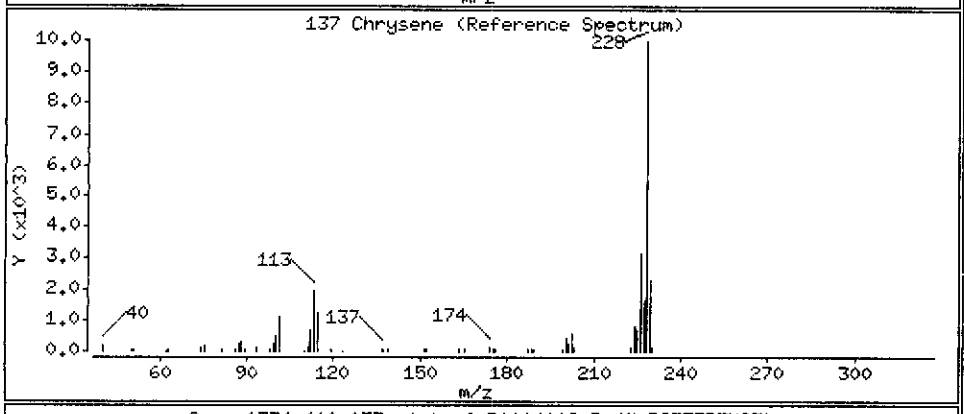
Concentration: 81.257 ug/kg

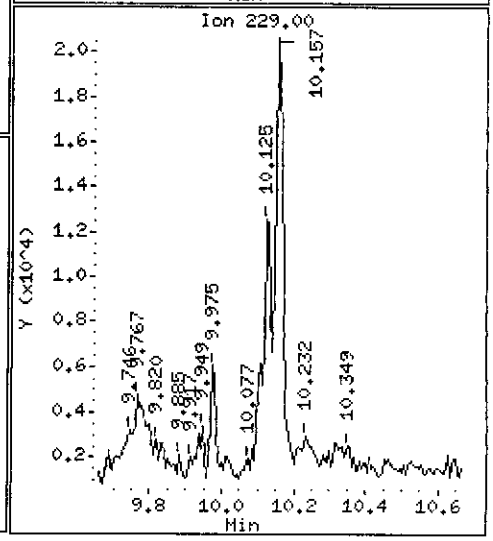


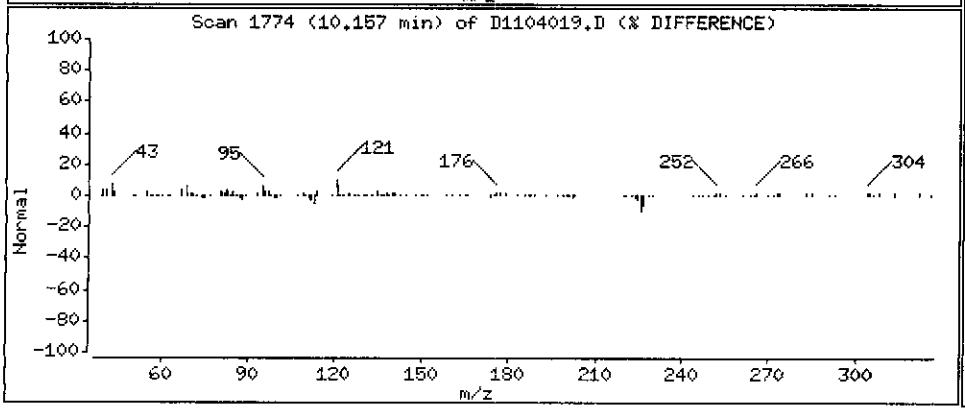












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D

Date : 04-NOV-2010 18:29

Client ID: 20100840 SD10-08

Instrument: 732.i

Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

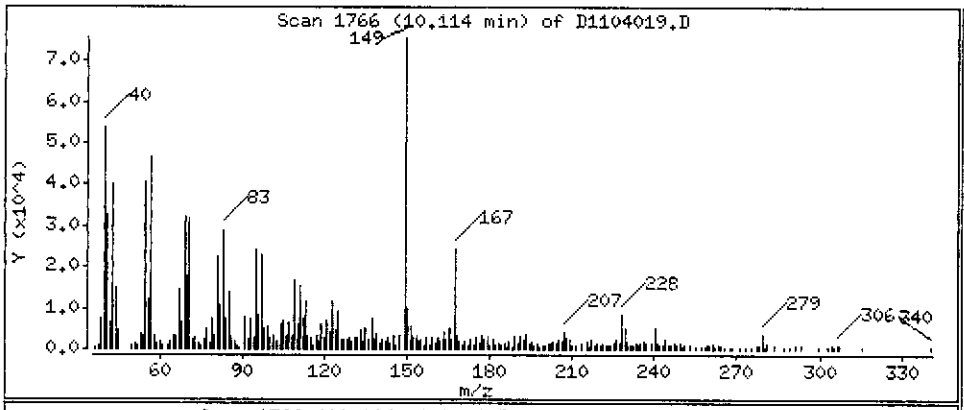
Operator: 430261nc

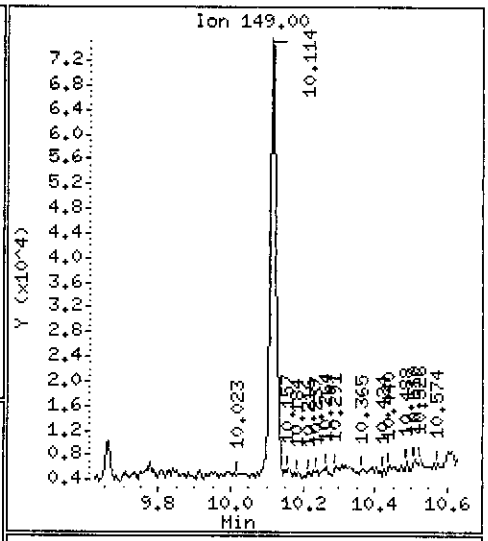
Column phase: DB5-MS

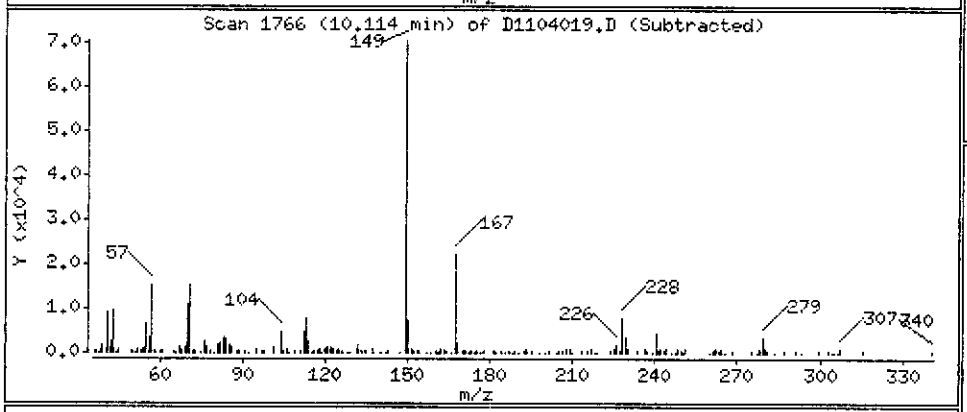
Column diameter: 0.32

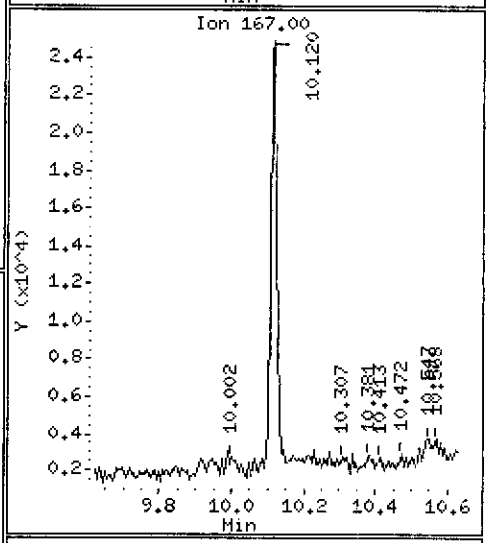
139 bis(2-ethylhexyl)Phthalate

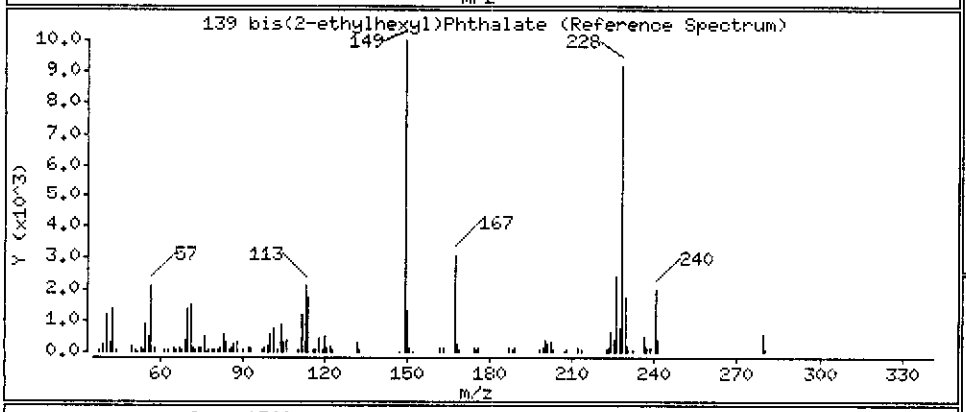
Concentration: 96.696 ug/kg

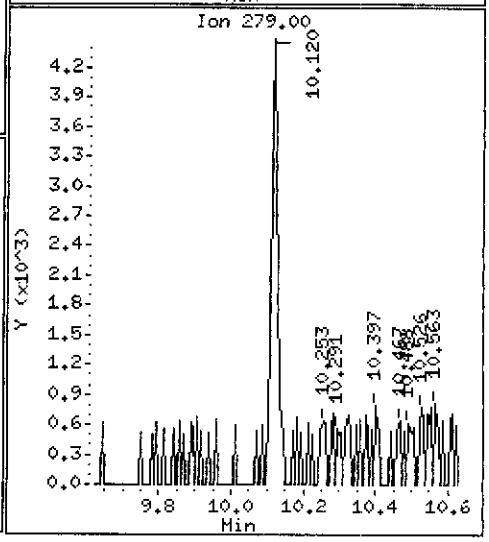


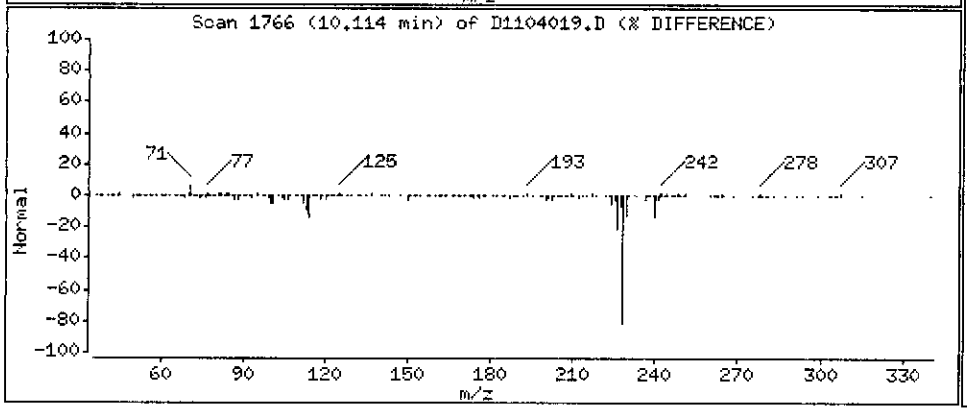












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D

Date : 04-NOV-2010 18:29

Client ID: 20100840 SD10-08

Instrument: 732.i

Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

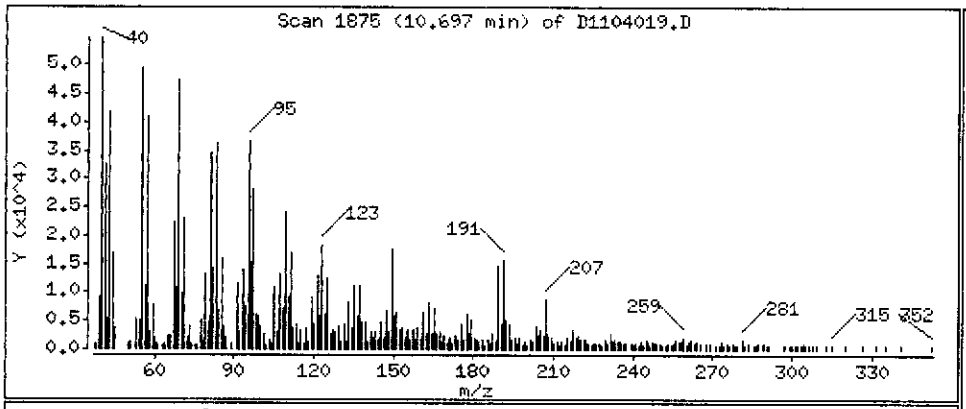
Operator: 430261nc

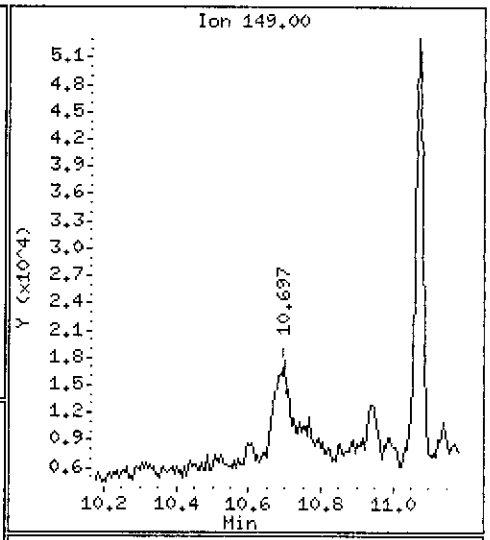
Column phase: DB5-MS

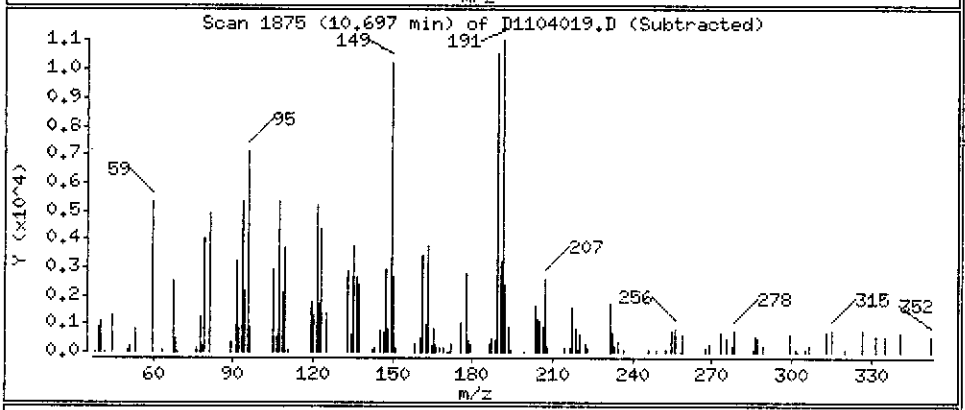
Column diameter: 0.32

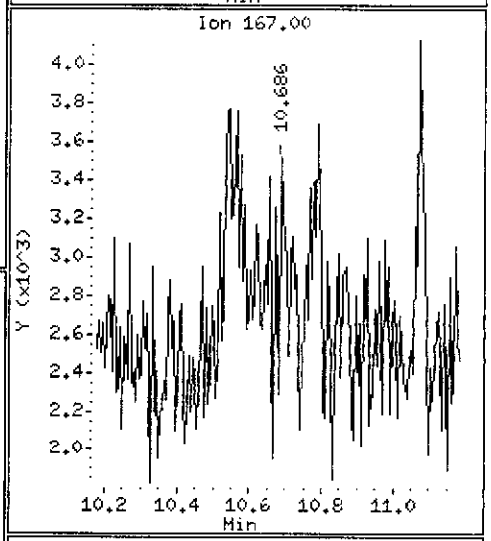
140 Di-n-octylphthalate

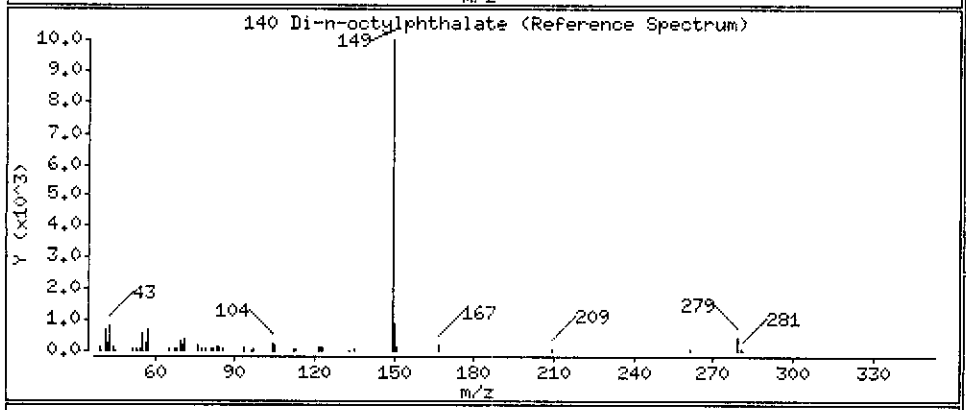
Concentration: 100.75 ug/kg

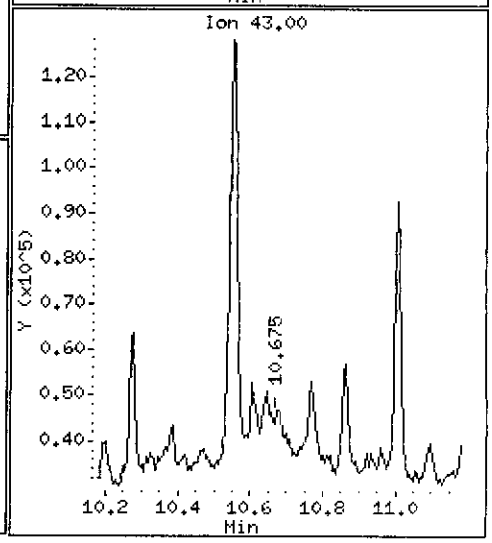


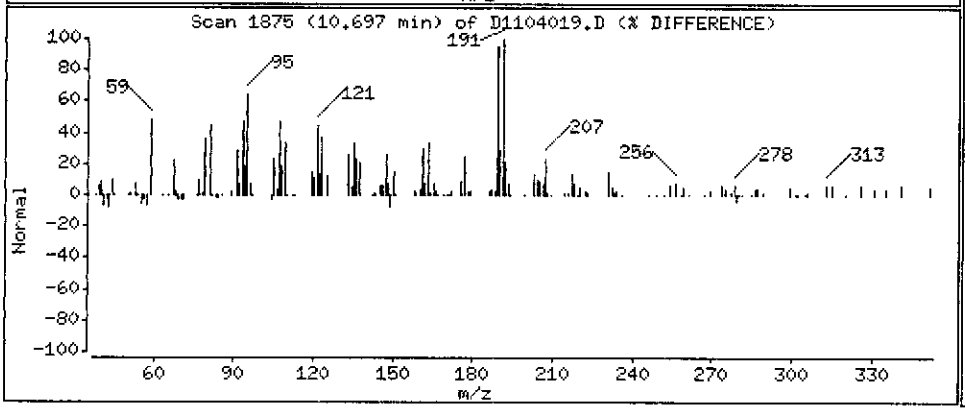












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D

Date : 04-NOV-2010 18:29

Client ID: 20100840 SD10-08

Instrument: 732.i

Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

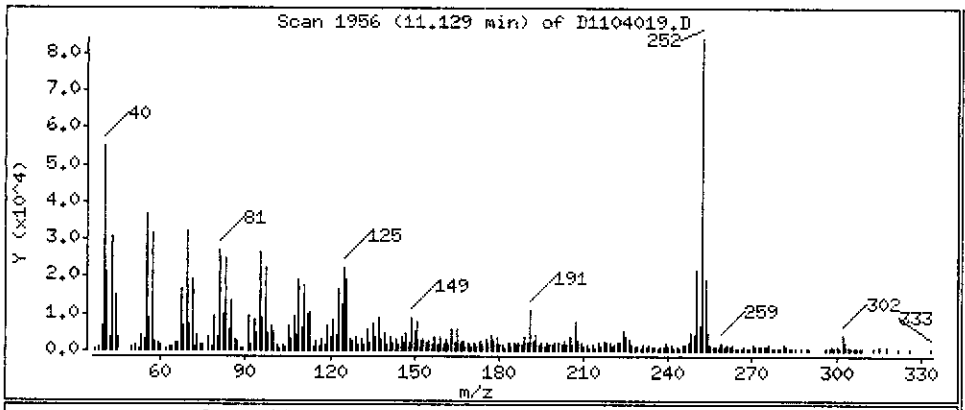
Operator: 430261nc

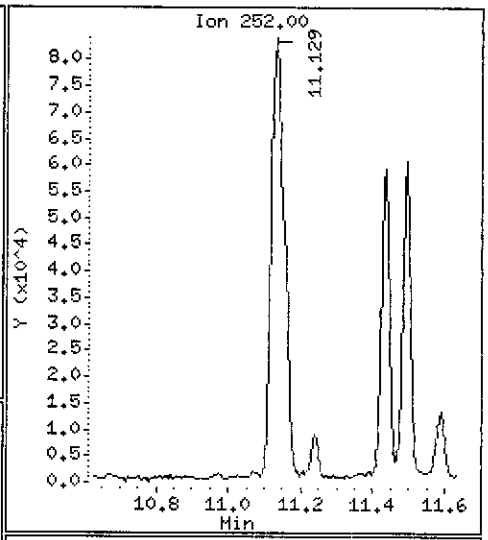
Column phase: DB5-MS

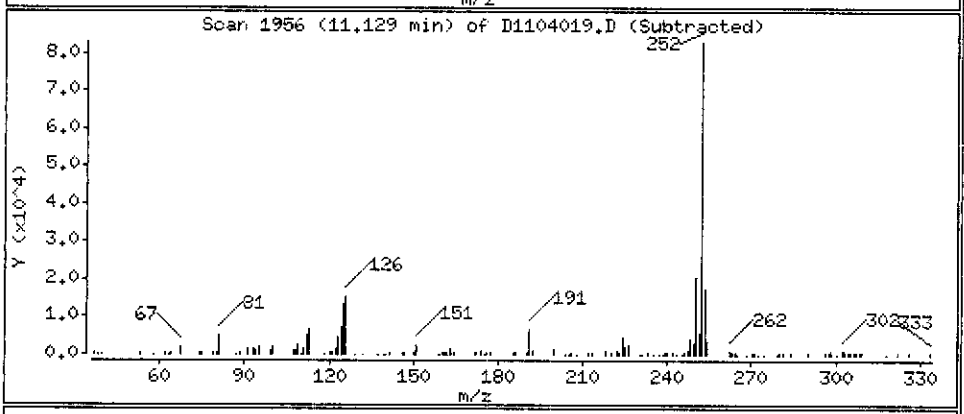
Column diameter: 0.32

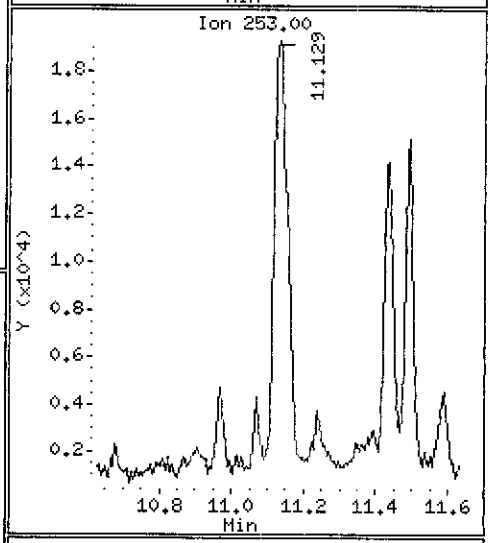
141 Benzo(b)fluoranthene

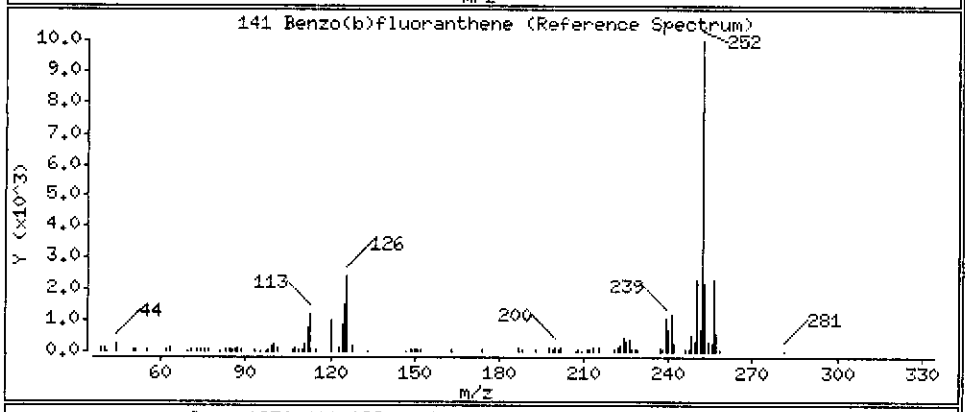
Concentration: 97.338 ug/kg

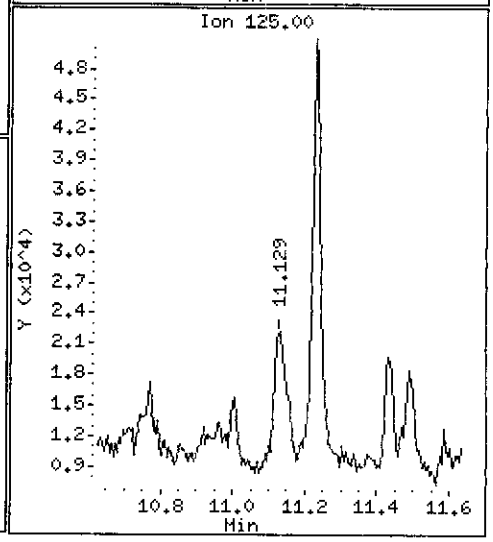


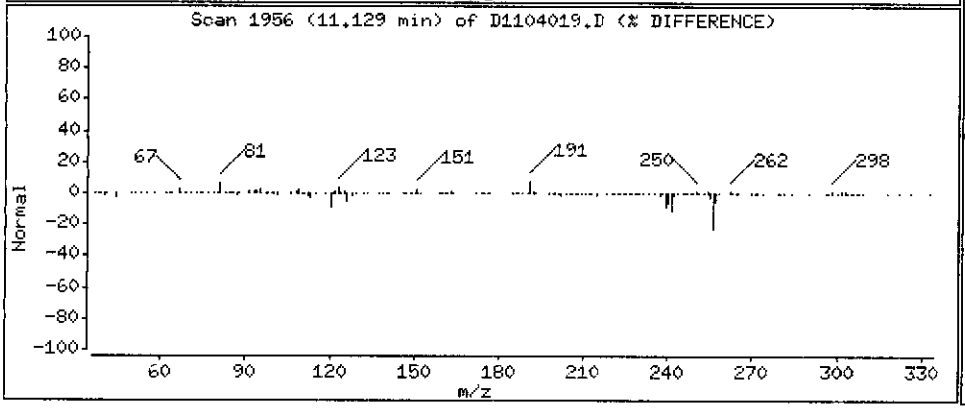












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D

Date : 04-NOV-2010 18:29

Client ID: 20100840 SD10-08

Instrument: 732.i

Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

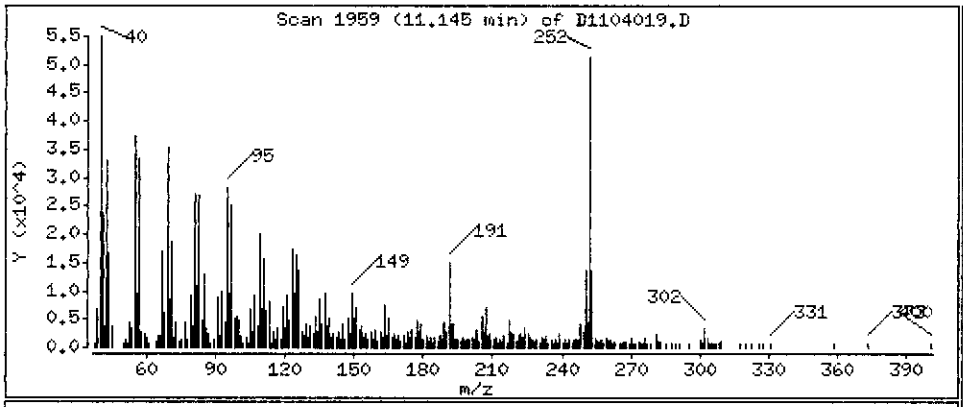
Operator: 430261nc

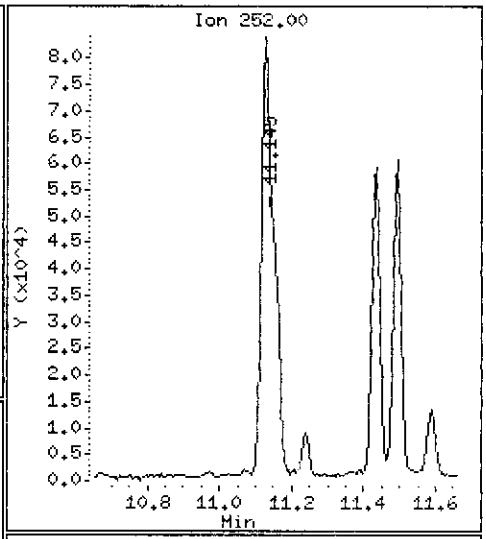
Column phase: DB5-MS

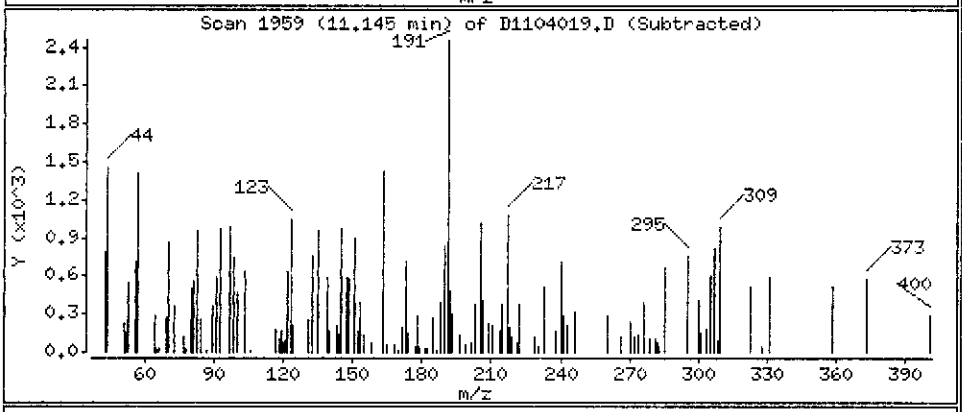
Column diameter: 0.32

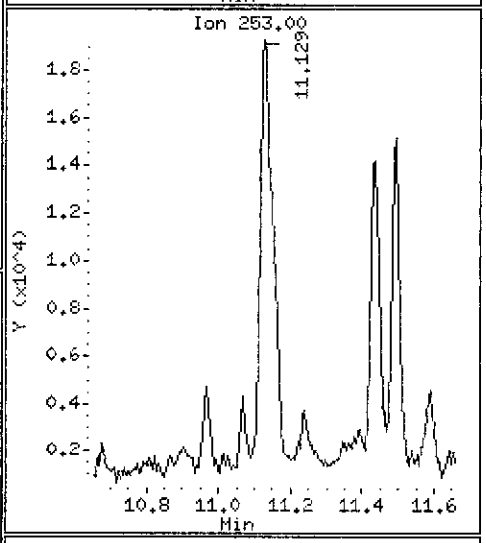
142 Benzo(k)fluoranthene

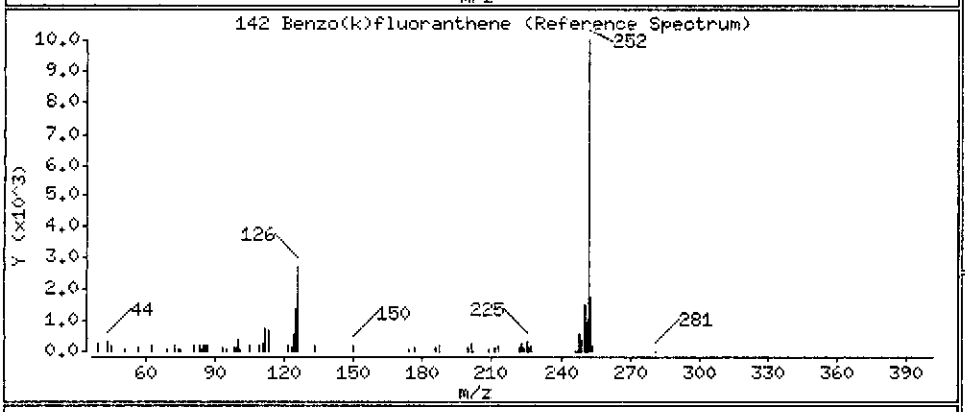
Concentration: 38.552 ug/kg

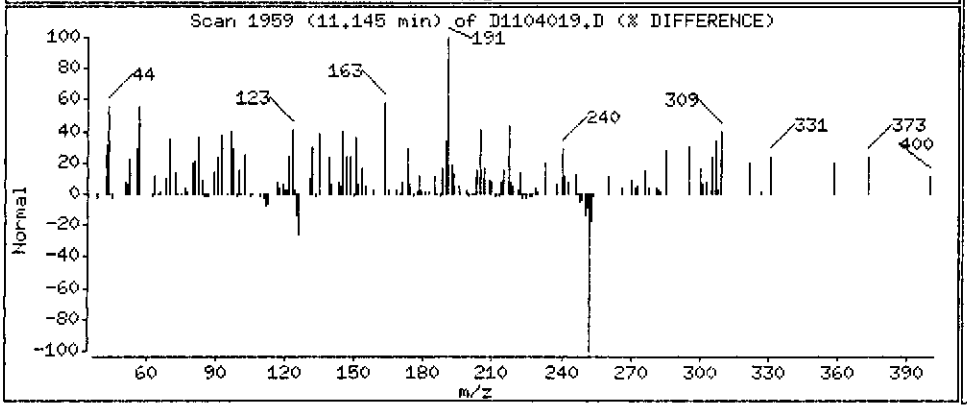


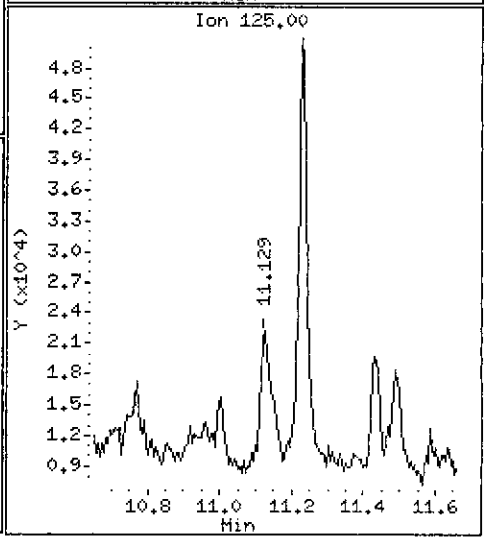












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D

Date : 04-NOV-2010 18:29

Client ID: 20100840 SD10-08

Instrument: 732.i

Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

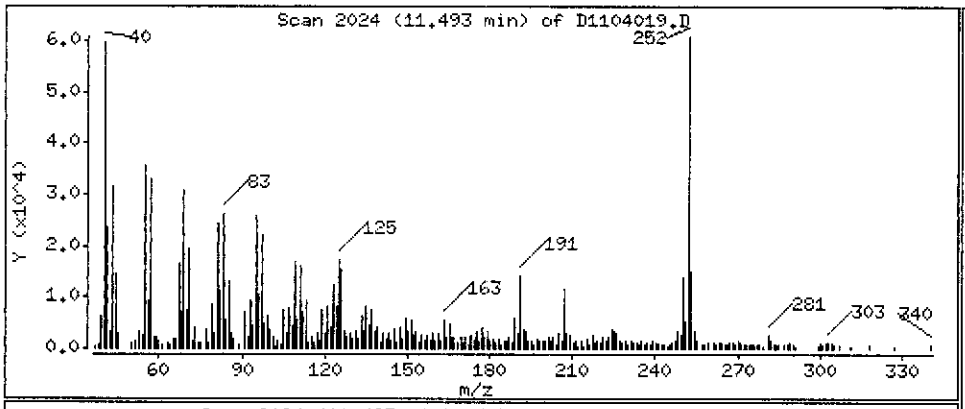
Operator: 430261nc

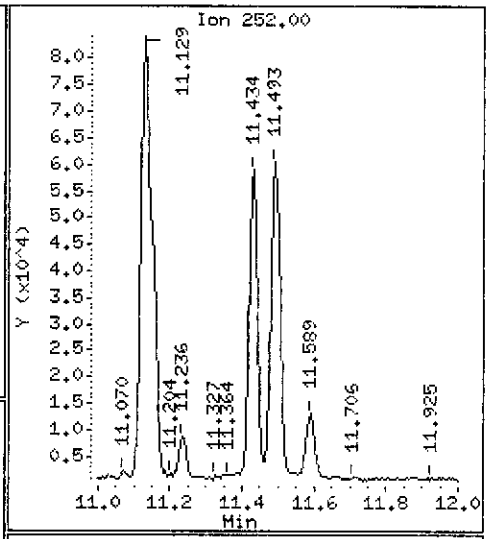
Column phase: DB5-MS

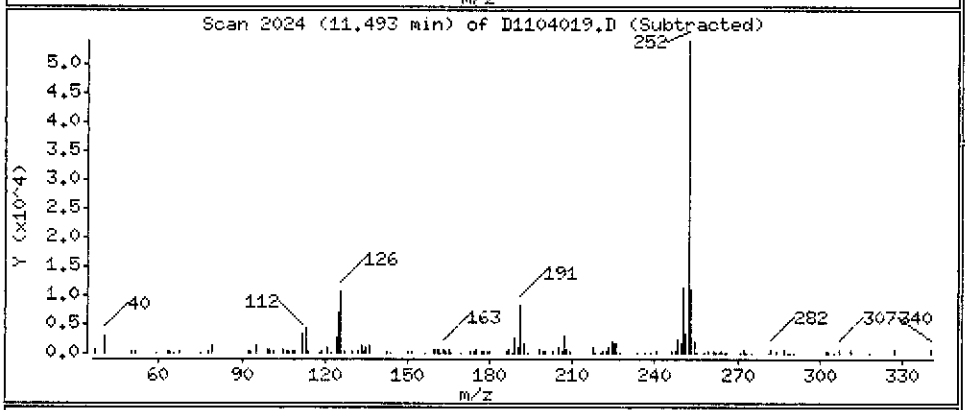
Column diameter: 0.32

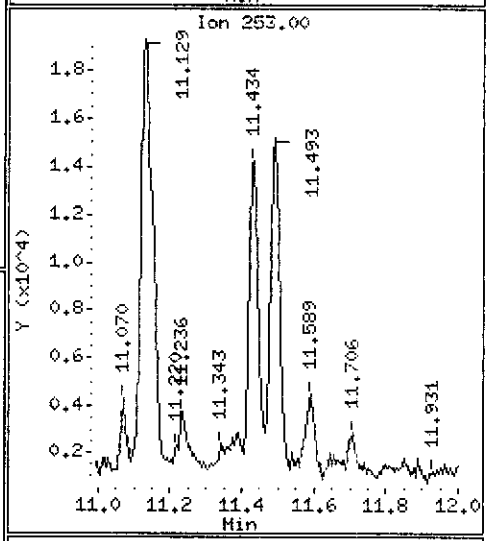
146 Benzo(a)pyrene

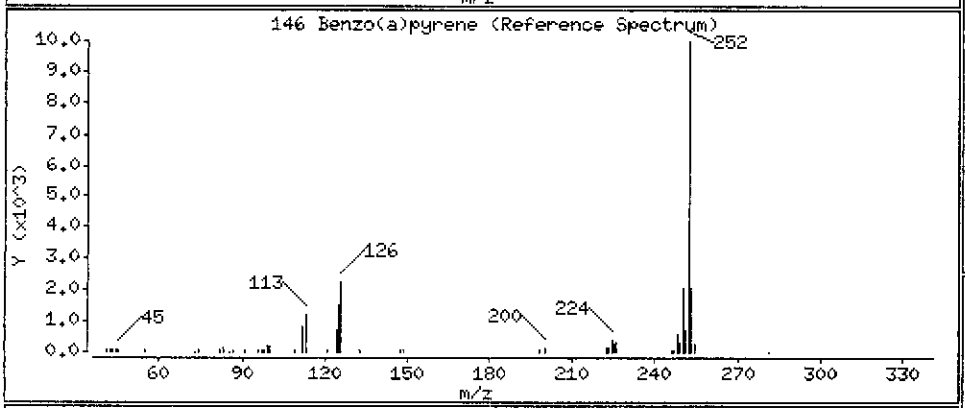
Concentration: 105.13 ug/kg

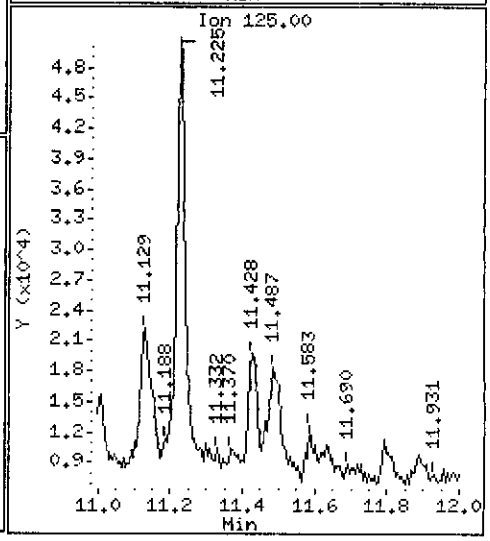


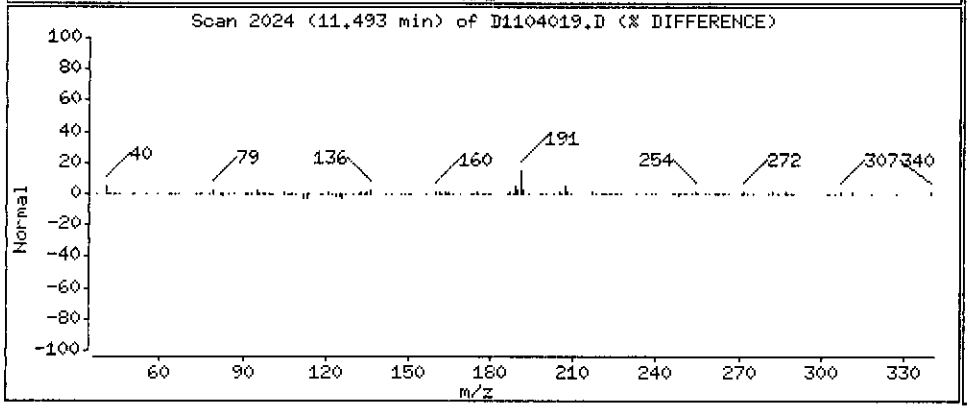












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D

Date : 04-NOV-2010 18:29

Client ID: 20100840 SD10-08

Instrument: 732.i

Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

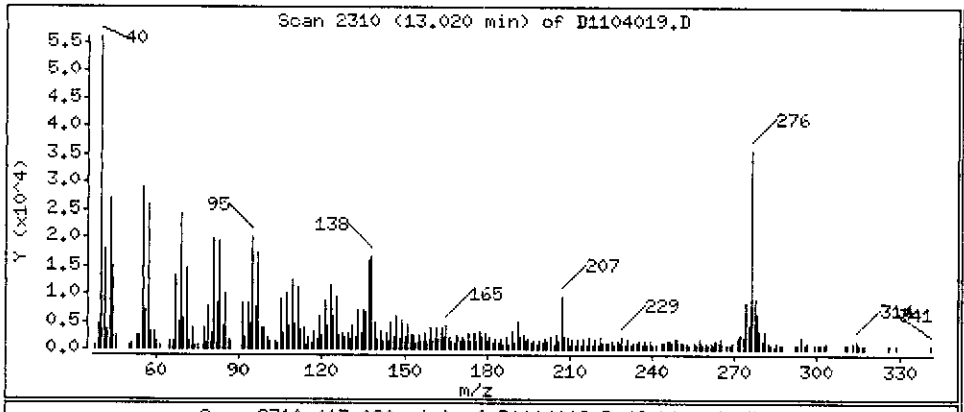
Operator: 430261nc

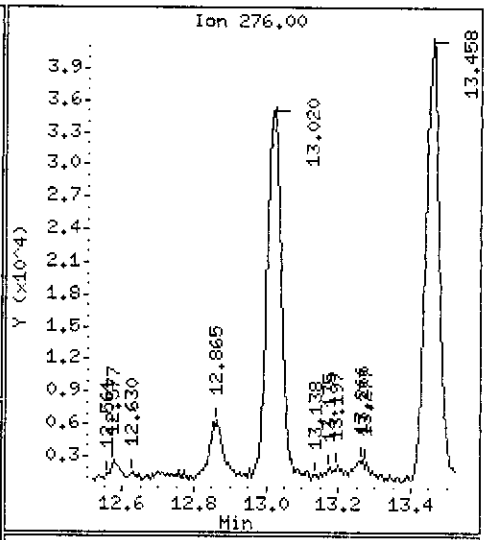
Column phase: DB5-MS

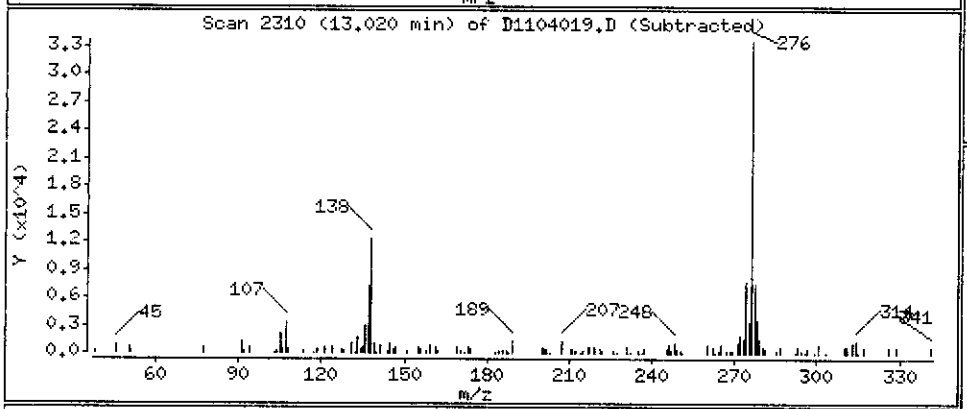
Column diameter: 0.32

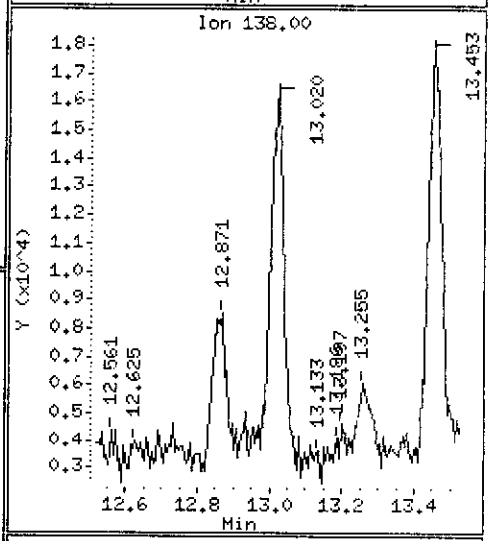
149 Indeno(1,2,3-cd)pyrene

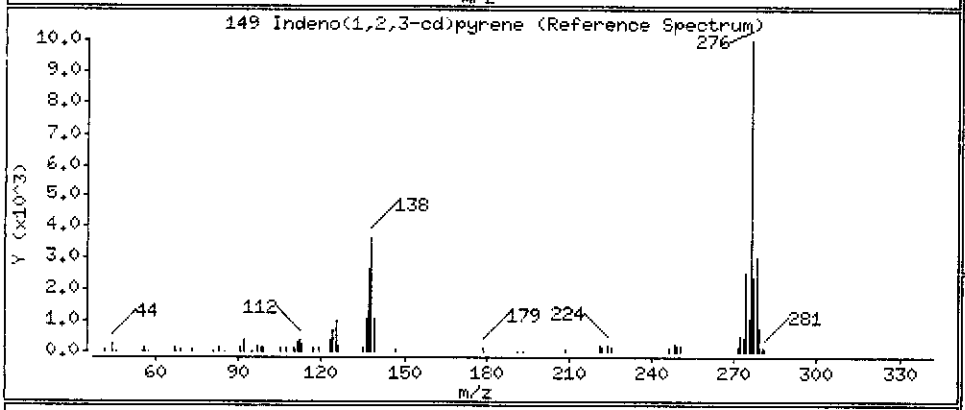
Concentration: 89.010 ug/kg

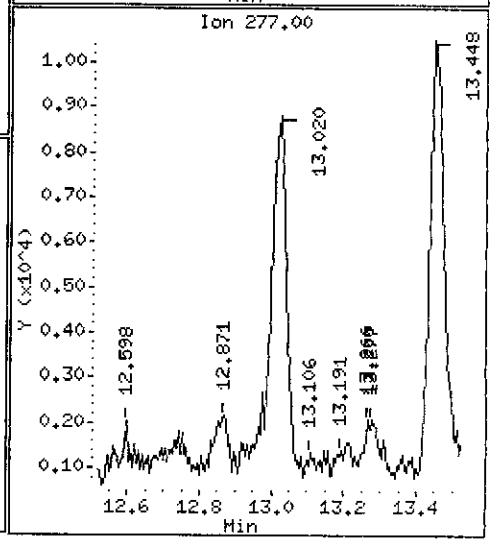


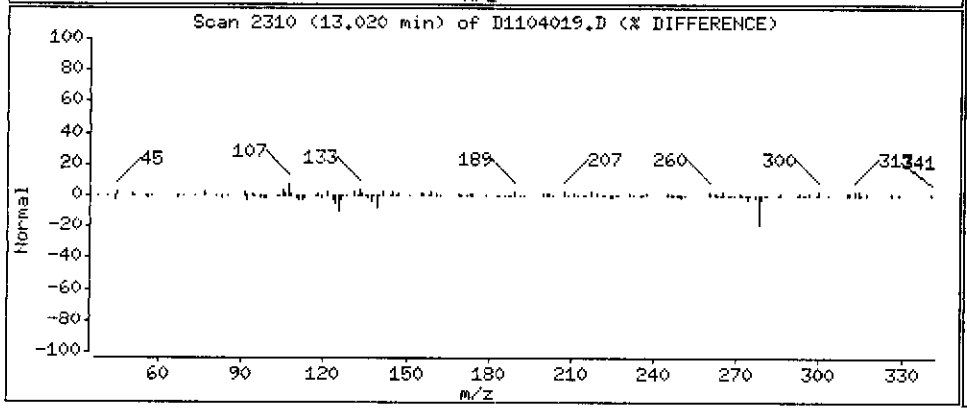












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D

Date : 04-NOV-2010 18:29

Client ID: 20100840 SD10-08

Instrument: 732.i

Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

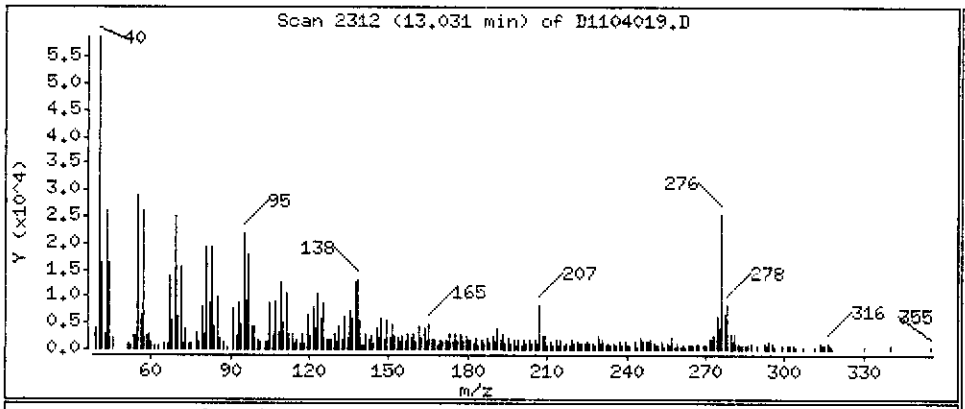
Operator: 430261nc

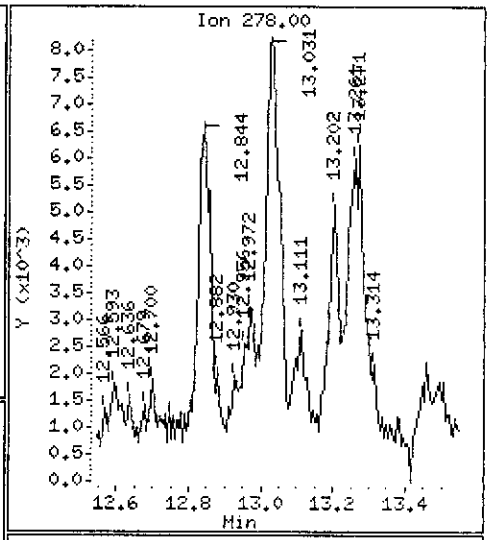
Column phase: DB5-MS

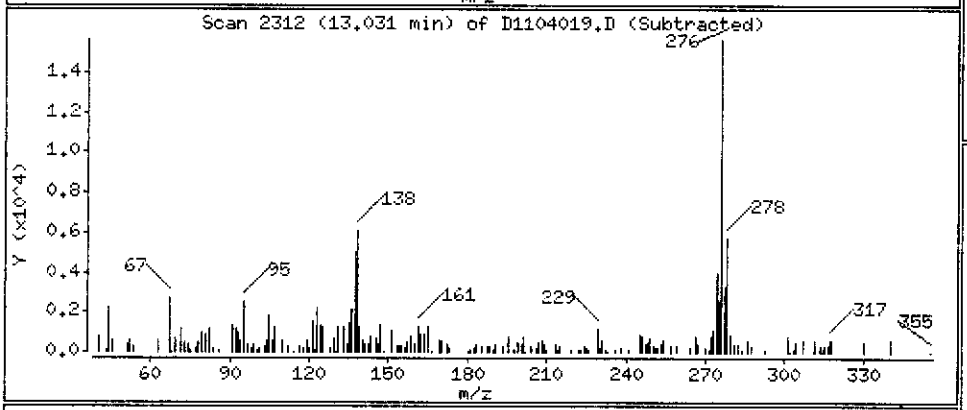
Column diameter: 0.32

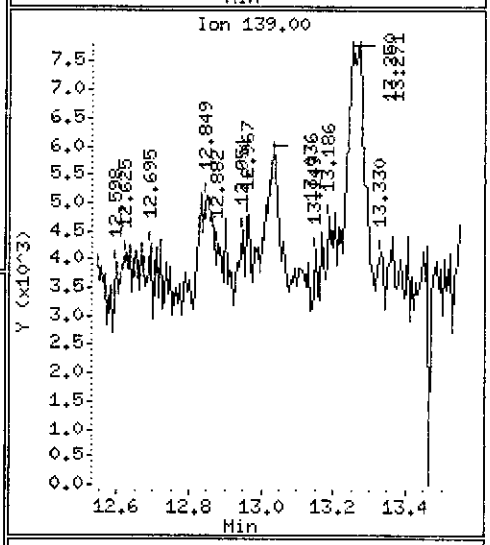
150 Dibenz(a,h)anthracene

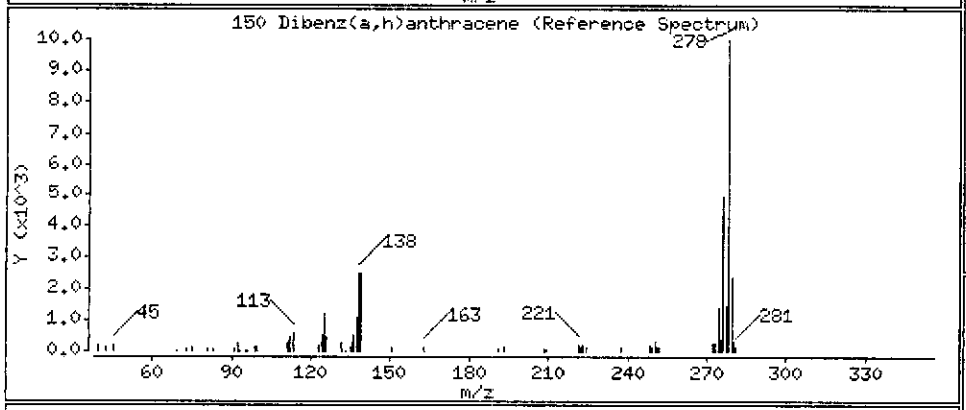
Concentration: 53.593 ug/kg

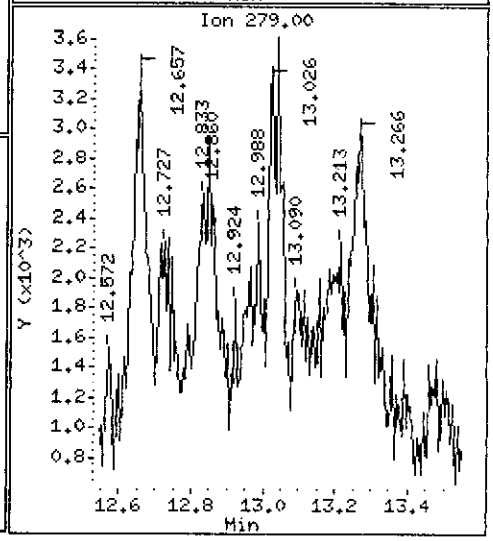


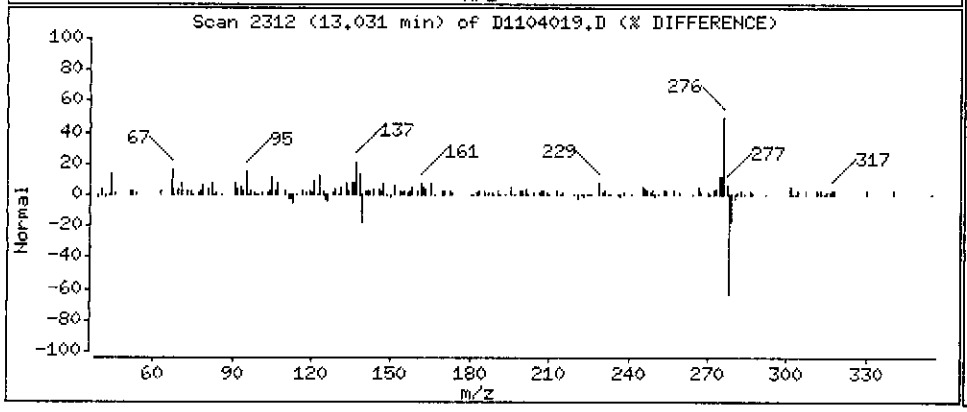












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104019.D

Date : 04-NOV-2010 18:29

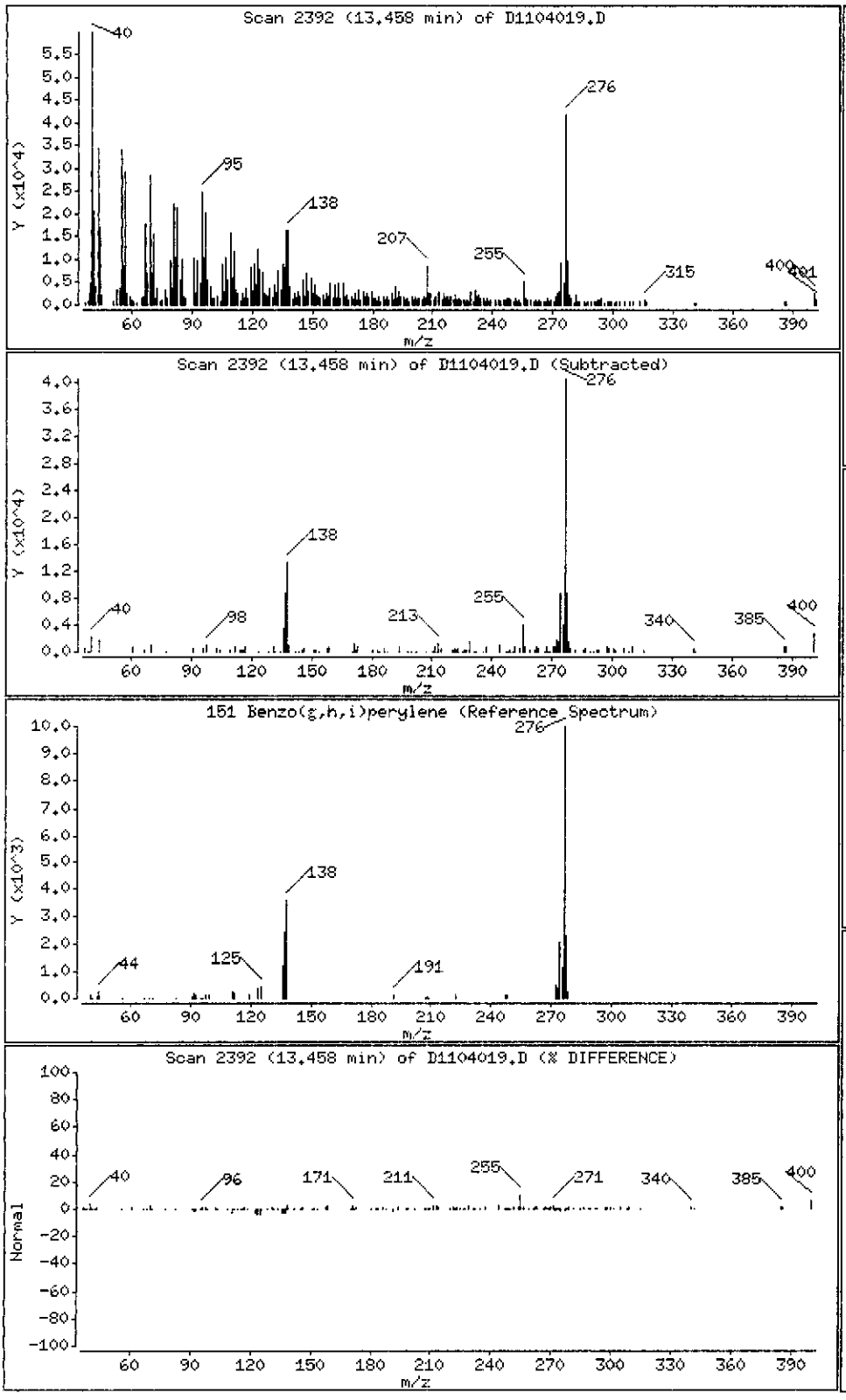
Client ID: 20100840 SD10-08 Instrument: 732.i

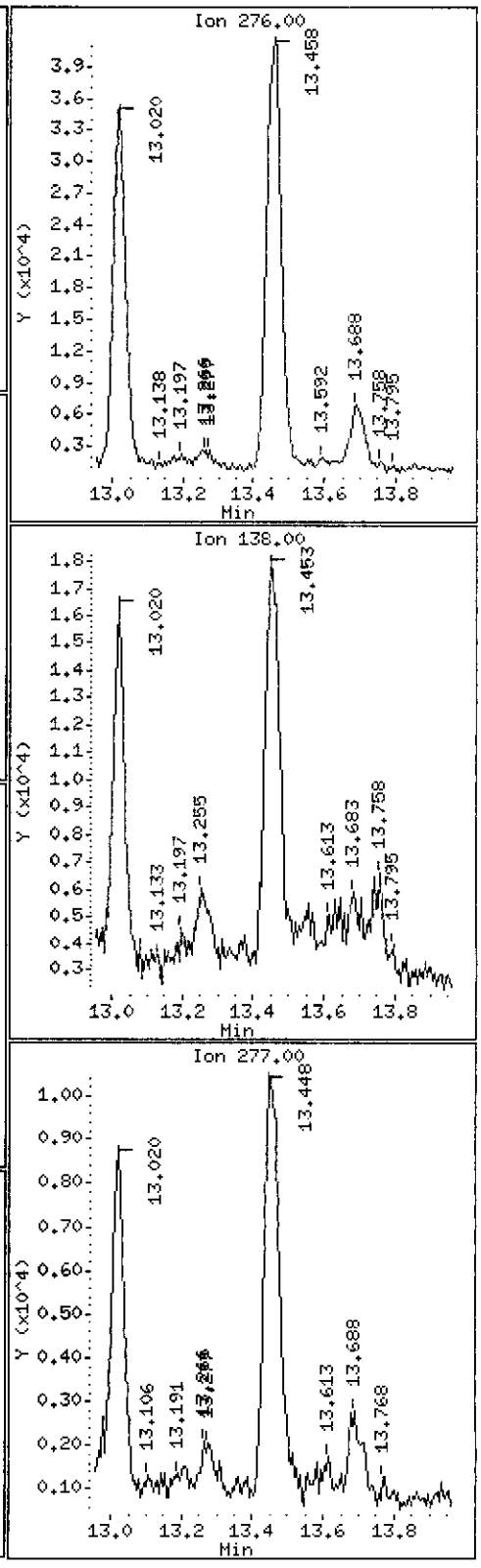
Sample Info: c0k030562-005 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0 Operator: 430261nc

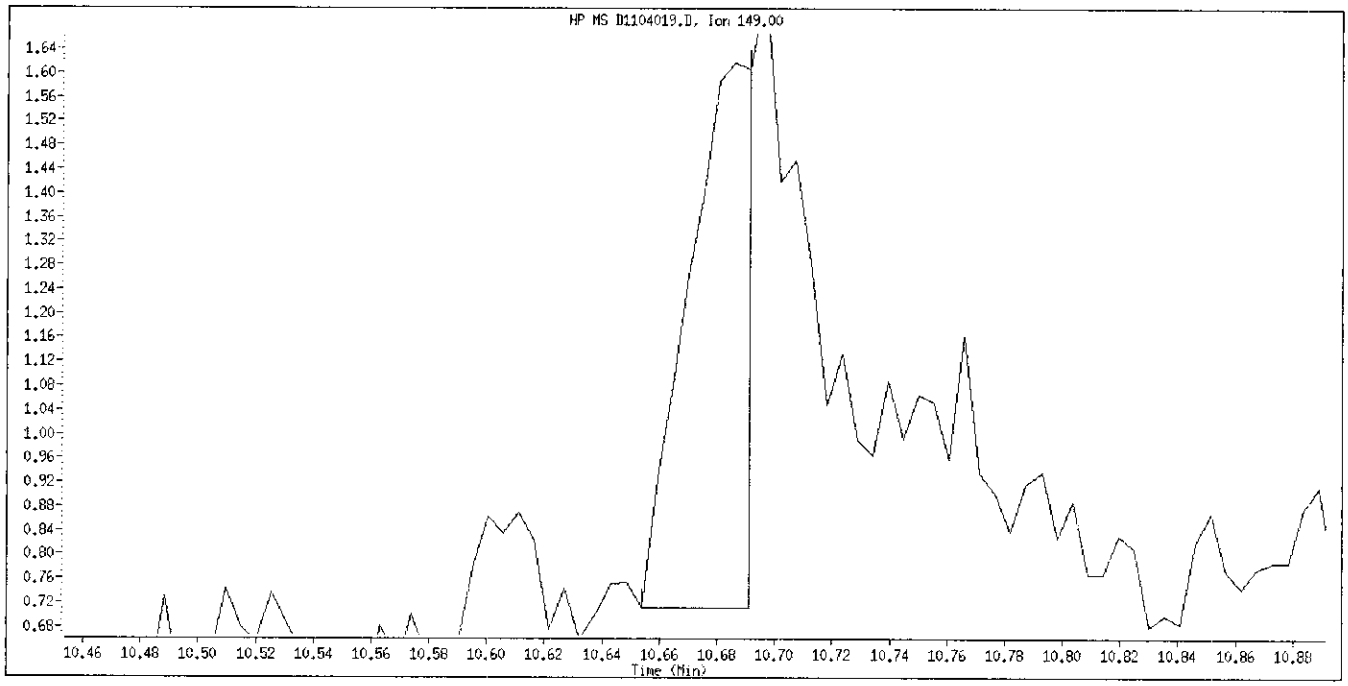
Column phase: DB5-MS Column diameter: 0.32

151 Benzo(g,h,i)perylene Concentration: 94.503 ug/kg

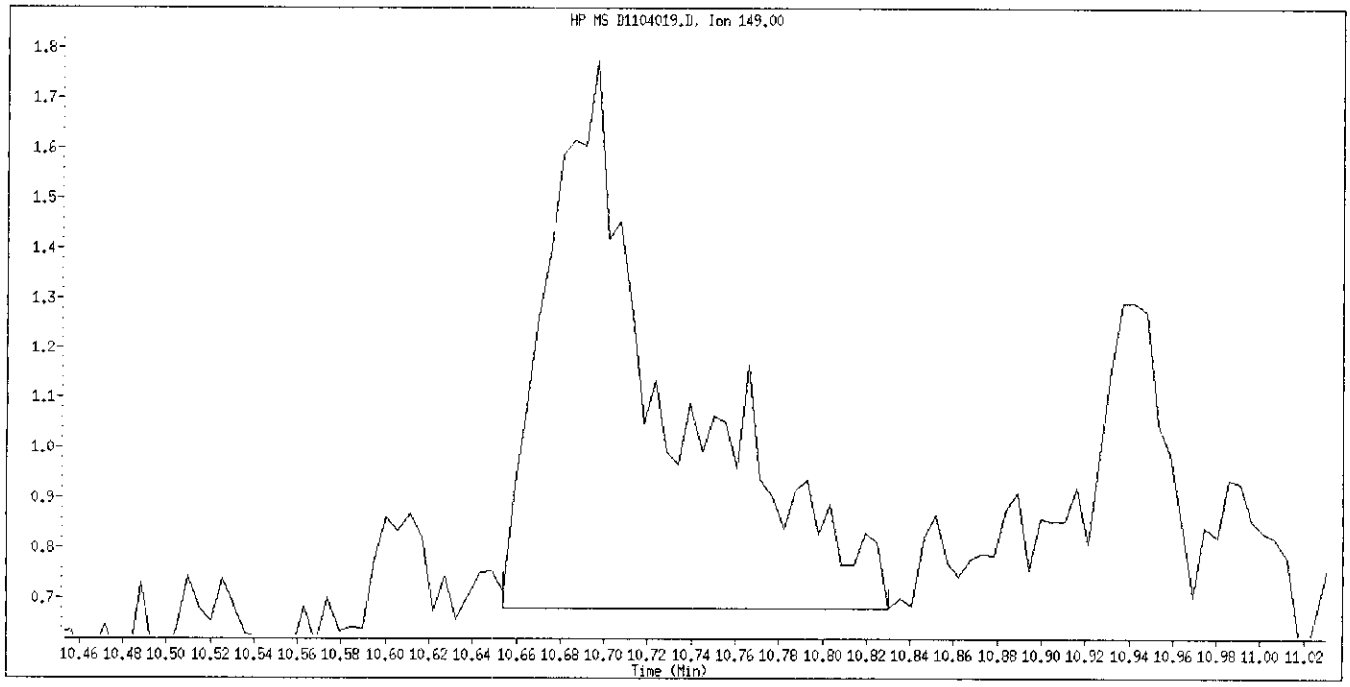




Data File Name: D1104019.D
Inj. Date and Time: 04-NOV-2010 18:29
Instrument ID: 732.i
Client ID: 20100840 SD10-08
Compound Name: Di-n-octylphthalate
CAS #: 117-84-0



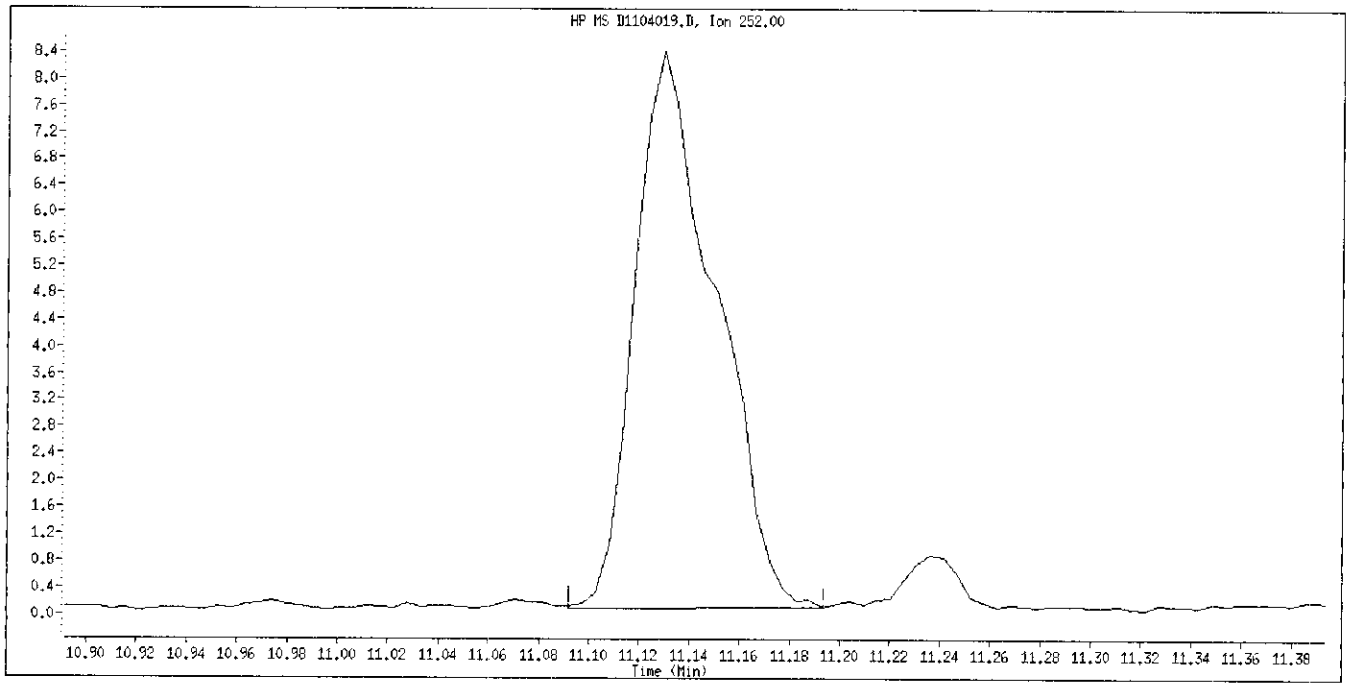
Original Integration



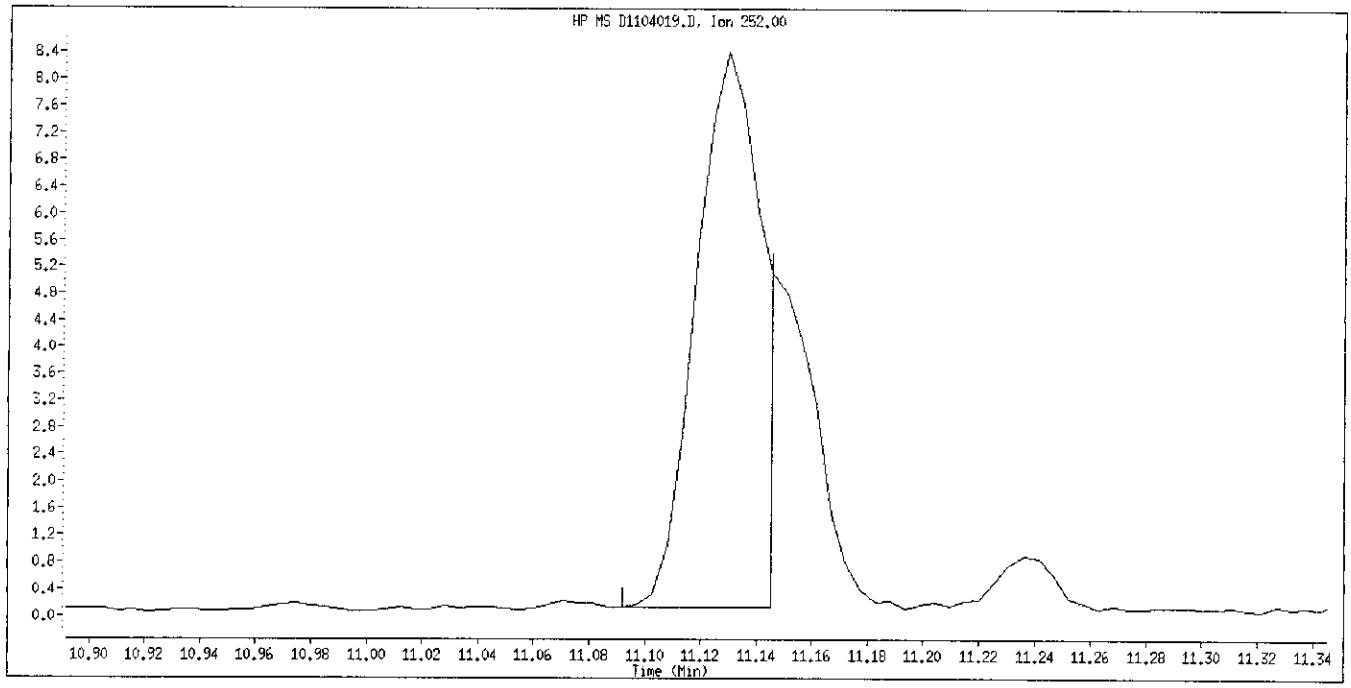
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1104019.D
Inj. Date and Time: 04-NOV-2010 18:29
Instrument ID: 732.i
Client ID: 20100840 SD10-08
Compound Name: Benzo(b)fluoranthene
CAS #: 205-99-2



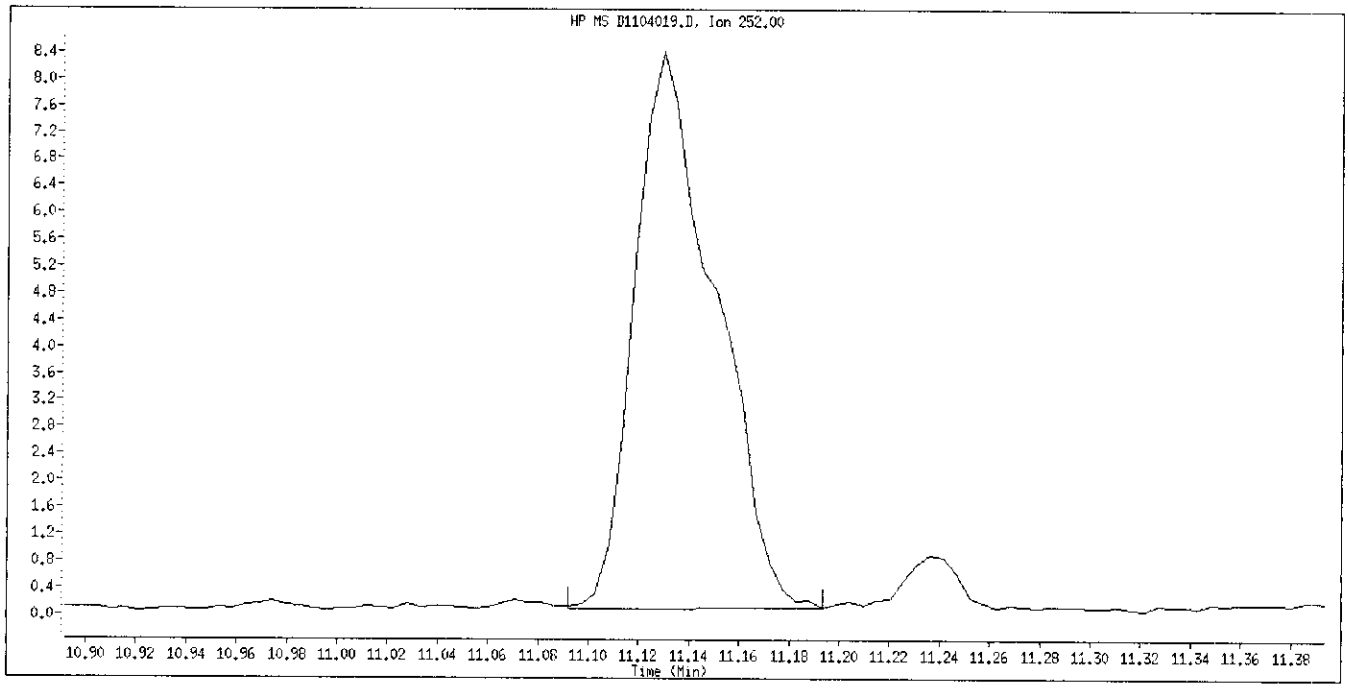
Original Integration



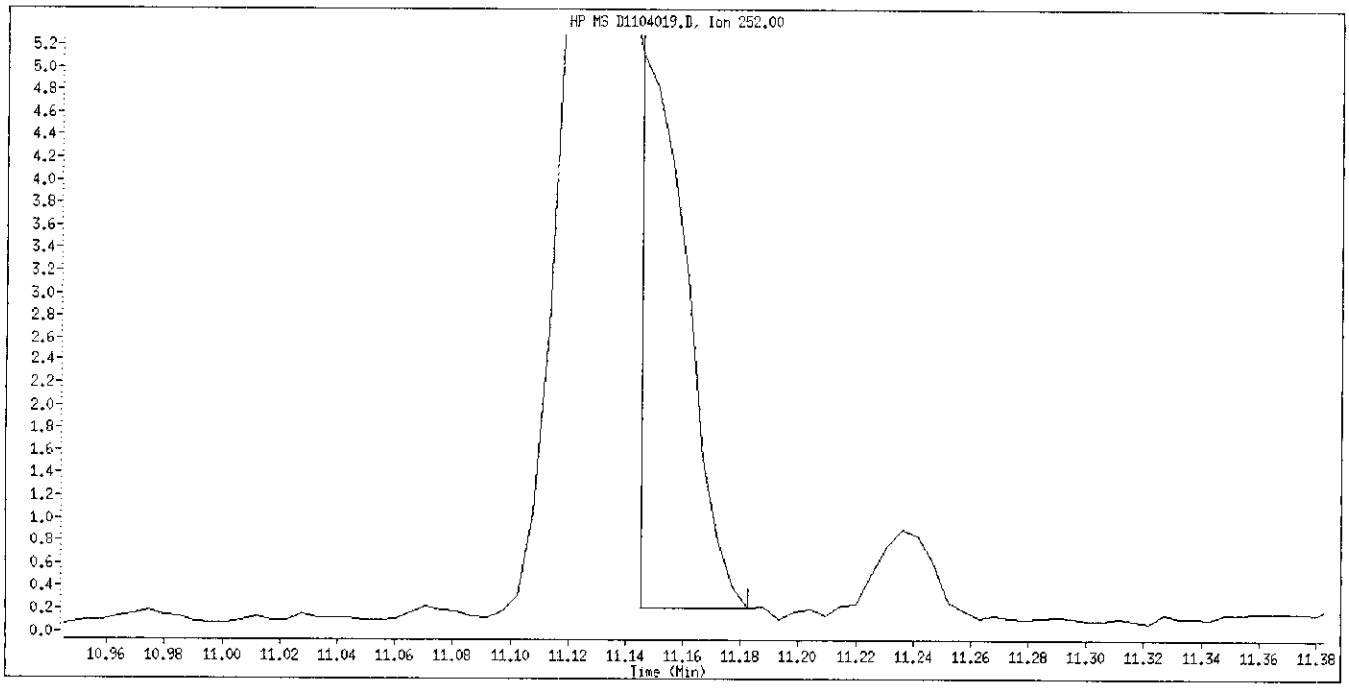
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1104019.D
Inj. Date and Time: 04-NOV-2010 18:29
Instrument ID: 732.i
Client ID: 20100840 SD10-08
Compound Name: Benzo(k)fluoranthene
CAS #: 207-08-9



Original Integration



Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Leo Brausch Consulting

Client Sample ID: 20100841 SD10-03

GC/MS Semivolatiles

Lot-Sample #...:	C0K030562-006	**Work Order #...:**	L9HJD1AK	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308011
Prep Date.....:	11/04/10	**Analysis Date..:**	11/04/10		
Prep Batch #...:	0308035	**Analysis Time..:**	18:48		
Dilution Factor:	9.97	**Initial Wgt/Vol:**	30.1 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	73	**Analyst ID.....:**	430261	**Instrument ID..:**	732
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**67 J**	**250**	**ug/kg**	**23**
Acenaphthylene	**98 J**	**250**	**ug/kg**	**28**
Acetophenone	ND	1200	ug/kg	100
Anthracene	**200 J**	**250**	**ug/kg**	**24**
Atrazine	ND	1200	ug/kg	120
Benzo(a)anthracene	**970**	**250**	**ug/kg**	**31**
Benzo(a)pyrene	**1700**	**250**	**ug/kg**	**24**
Benzo(b)fluoranthene	**1700**	**250**	**ug/kg**	**38**
Benzo(ghi)perylene	**1400**	**250**	**ug/kg**	**24**
Benzo(k)fluoranthene	**600**	**250**	**ug/kg**	**49**
Benzaldehyde	ND	1200	ug/kg	180
1,1'-Biphenyl	ND	1200	ug/kg	110
bis(2-Chloroethoxy) methane	ND	1200	ug/kg	80
bis(2-Chloroethyl)-ether	ND	250	ug/kg	33
bis(2-Ethylhexyl) phthalate	**1300**	**1200**	**ug/kg**	**200**
4-Bromophenyl phenyl ether	ND	1200	ug/kg	110
Butyl benzyl phthalate	ND	1200	ug/kg	170
Caprolactam	ND	6200	ug/kg	930
Carbazole	**160 J**	**250**	**ug/kg**	**23**
4-Chloroaniline	ND	1200	ug/kg	98
4-Chloro-3-methylphenol	ND	1200	ug/kg	110
2-Chloronaphthalene	ND	250	ug/kg	25
2-Chlorophenol	ND	1200	ug/kg	100
4-Chlorophenyl phenyl ether	ND	1200	ug/kg	140
Chrysene	**1400**	**250**	**ug/kg**	**29**
Dibenz(a,h)anthracene	**880**	**250**	**ug/kg**	**27**
Dibenzofuran	ND	1200	ug/kg	120
3,3'-Dichlorobenzidine	ND	1200	ug/kg	130
2,4-Dichlorophenol	ND	250	ug/kg	25
Diethyl phthalate	ND	1200	ug/kg	130
2,4-Dimethylphenol	ND	1200	ug/kg	190
Dimethyl phthalate	ND	1200	ug/kg	130

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100841 SD10-03

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-006 **Work Order #...:** L9HJD1AK **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	1200	ug/kg	150
4,6-Dinitro-2-methylphenol	ND	6200	ug/kg	490
2,4-Dinitrophenol	ND	6200	ug/kg	1500
2,4-Dinitrotoluene	ND	1200	ug/kg	99
2,6-Dinitrotoluene	ND	1200	ug/kg	130
Di-n-octyl phthalate	**1500**	**1200**	**ug/kg**	**130**
Fluoranthene	**2600**	**250**	**ug/kg**	**26**
Fluorene	**64 J**	**250**	**ug/kg**	**32**
Hexachlorobenzene	ND	250	ug/kg	26
Hexachlorobutadiene	ND	250	ug/kg	27
Hexachlorocyclopentadiene	ND	1200	ug/kg	130
Hexachloroethane	ND	1200	ug/kg	88
Indeno(1,2,3-cd)pyrene	**1500**	**250**	**ug/kg**	**25**
Isophorone	ND	1200	ug/kg	92
2-Methylnaphthalene	ND	250	ug/kg	22
2-Methylphenol	ND	1200	ug/kg	85
4-Methylphenol	ND	1200	ug/kg	120
Naphthalene	ND	250	ug/kg	21
2-Nitroaniline	ND	6200	ug/kg	550
3-Nitroaniline	ND	6200	ug/kg	500
4-Nitroaniline	ND	6200	ug/kg	490
Nitrobenzene	ND	250	ug/kg	100
2-Nitrophenol	ND	1200	ug/kg	130
4-Nitrophenol	ND	6200	ug/kg	420
N-Nitrosodi-n-propylamine	ND	250	ug/kg	29
N-Nitrosodiphenylamine	ND	250	ug/kg	110
2,2'-oxybis (1-Chloropropane)	ND	250	ug/kg	26
Pentachlorophenol	ND	1200	ug/kg	110
Phenanthrene	**880**	**250**	**ug/kg**	**39**
Phenol	ND	250	ug/kg	29
Pyrene	**1800**	**250**	**ug/kg**	**25**
2,4,5-Trichlorophenol	ND	1200	ug/kg	130
2,4,6-Trichlorophenol	ND	1200	ug/kg	180

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100841 SD10-03

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-006 **Work Order #...:** L9HJD1AK **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	NC,DIL	(27 - 110)
Terphenyl-d14	NC,DIL	(21 - 130)
2-Fluorobiphenyl	NC,DIL	(28 - 108)
2-Fluorophenol	NC,DIL	(28 - 107)
Phenol-d5	NC,DIL	(30 - 112)
2,4,6-Tribromophenol	NC,DIL	(21 - 116)

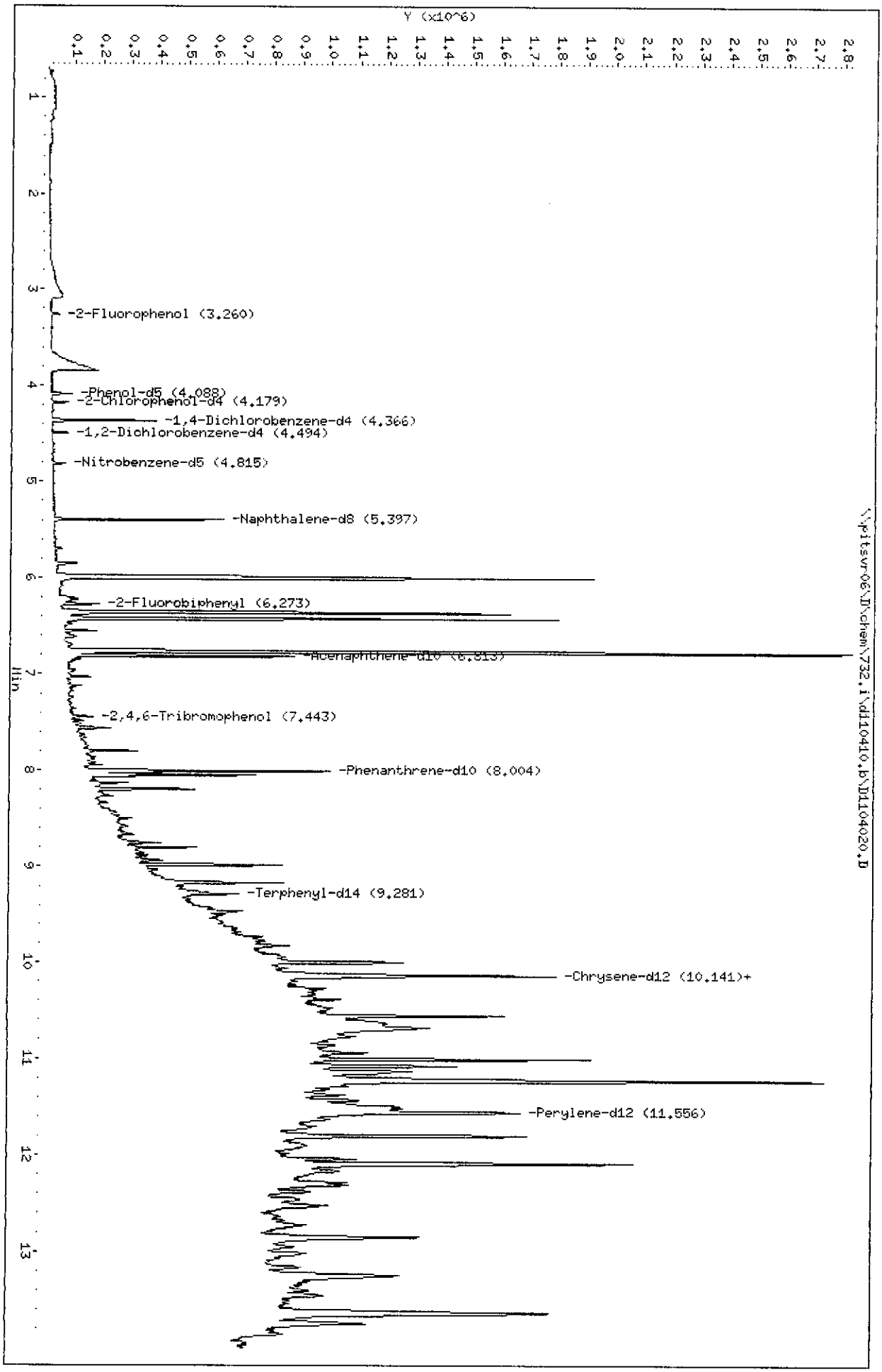
NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.



Data File: \\pitsvr06\D\chem\732.i\dl10410.b\D1104020.D
Date : 04-NOV-2010 18:48
Client ID: 20100841 SD10-03
Sample Info: c0k030562-006 20x 11/04/10 sed542(030835)
Volume Injected (uL): 2.0
Column phase: DB5-MS

Instrument: 732.i
Operator: 43026inc
Column diameter: 0.32

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d110410.b\D1104020.D
Lab Smp Id: 19hjd1ak Client Smp ID: 20100841 SD10-03
Inj Date : 04-NOV-2010 18:48
Operator : 430261nc Inst ID: 732.i
Smp Info : c0k030562-006 20x 11/04/10 sedS42(0308035)
Misc Info : 19hjd1ak,d110410.b,11.m,3-root.sub
Comment :
Method : \\pitsvr06\D\chem\732.i\d110410.b\11.m
Meth Date : 08-Nov-2010 18:58 campisin Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 22
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws)*1 * CpndVariable

Name	Value	Description
DF	20.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.100	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
* 1	1,4-Dichlorobenzene-d4	152	4.365	4.382	(1.000)	51074	8.00000	
* 2	Naphthalene-d8	136	5.396	5.407	(1.000)	238709	8.00000	
* 3	Acenaphthene-d10	164	6.812	6.823	(1.000)	169061	8.00000	
* 4	Phenanthrene-d10	188	8.003	8.014	(1.000)	320125	8.00000	
* 5	Chrysene-d12	240	10.140	10.140	(1.000)	380635	8.00000	
* 6	Perylene-d12	264	11.556	11.556	(1.000)	412343	8.00000	
198	1,4-Dioxane	88	Compound Not Detected.					
10	N-Nitrosodimethylamine	74	Compound Not Detected.					
9	Pyridine	79	Compound Not Detected.					
16	Methyl methanesulfonate	80	Compound Not Detected.					
206	Benzaldehyde	77	Compound Not Detected.					
21	Aniline	93	Compound Not Detected.					
22	Phenol	94	Compound Not Detected.					
23	bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24	2-Chlorophenol	128	Compound Not Detected.					
26	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
28	1,2-Dichlorobenzene	146	Compound Not Detected.					
29	Benzyl Alcohol	108	Compound Not Detected.					
217	Indene	116	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
30	2-Methylphenol	108	Compound Not Detected.					
31	2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
36	N-Nitrosopyrrolidine	100	Compound Not Detected.					
37	Acetophenone	105	Compound Not Detected.					
32	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192	4-Methylphenol	108	Compound Not Detected.					
34	Hexachloroethane	117	Compound Not Detected.					
35	Nitrobenzene	77	Compound Not Detected.					
41	Isophorone	82	Compound Not Detected.					
42	2-Nitrophenol	139	Compound Not Detected.					
43	2,4-Dimethylphenol	107	Compound Not Detected.					
44	bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48	2,4-Dichlorophenol	162	Compound Not Detected.					
49	Benzoic Acid	122	Compound Not Detected.					
50	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51	Naphthalene	128	Compound Not Detected.					
52	4-Chloroaniline	127	Compound Not Detected.					
54	2,6-Dichlorophenol	162	Compound Not Detected.					
56	Hexachlorobutadiene	224	Compound Not Detected.					
208	Caprolactam	113	Compound Not Detected.					
59	4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62	2-Methylnaphthalene	142	Compound Not Detected.					
63	1-Methylnaphthalene	142	Compound Not Detected.					
64	Hexachlorocyclopentadiene	236	Compound Not Detected.					
65	1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66	2,4,6-Trichlorophenol	196	Compound Not Detected.					
67	2,4,5-Trichlorophenol	196	Compound Not Detected.					
209	1,1'-Biphenyl	154	Compound Not Detected.					
70	2-Chloronaphthalene	162	Compound Not Detected.					
73	2-Nitroaniline	65	Compound Not Detected.					
76	Dimethylphthalate	163	Compound Not Detected.					
78	2,6-Dinitrotoluene	165	Compound Not Detected.					
79	Acenaphthylene	152	6.700	6.705	(0.984)	5609	0.16094	26.734
81	3-Nitroaniline	138	Compound Not Detected.					
82	Acenaphthene	153	6.839	6.850	(1.004)	2390	0.10976	18.233(Q)
83	2,4-Dinitrophenol	184	Compound Not Detected.					
85	4-Nitrophenol	109	Compound Not Detected.					
86	Dibenzofuran	168	6.978	6.989	(1.024)	2742	0.08296	13.780
87	2,4-Dinitrotoluene	165	Compound Not Detected.					
91	2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88	2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92	2-Naphthylamine	143	Compound Not Detected.					
93	Diethylphthalate	149	Compound Not Detected.					
94	Fluorene	166	7.255	7.261	(1.065)	4750	0.10523	17.481
95	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96	4-Nitroaniline	138	Compound Not Detected.					
98	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99	N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100	1,2-Diphenylhydrazine	77	Compound Not Detected.					
106	4-Bromophenyl-phenylether	248	Compound Not Detected.					
107	Hexachlorobenzene	283	Compound Not Detected.					
210	Atrazine	200	Compound Not Detected.					
111	Pentachlorophenol	265	Compound Not Detected.					
115	Phenanthrene	178	8.025	8.030	(1.003)	64277	1.43520	238.40

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
116 Anthracene	178	8.067	8.073	(1.008)	14295	0.32598	54.149
119 Carbazole	167	8.190	8.196	(1.023)	10790	0.26003	43.195(Q)
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	8.981	8.987	(1.122)	196685	4.18843	695.75
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	9.163	9.168	(0.904)	167691	2.90581	482.69
131 Butylbenzylphthalate	149	9.659	9.665	(0.953)	4639	0.18033	29.955
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	10.130	10.130	(0.999)	78395	1.58235	262.85
137 Chrysene	228	10.162	10.162	(1.002)	129234	2.37381	394.32
139 bis(2-ethylhexyl)Phthalate	149	10.119	10.124	(0.998)	72999	2.19243	364.19
140 Di-n-octylphthalate	149	10.680	10.680	(0.924)	49087	2.48093	412.12(M)
141 Benzo(b)fluoranthene	252	11.134	11.129	(0.963)	173931	2.78996	463.45(M)
142 Benzo(k)fluoranthene	252	11.150	11.155	(0.965)	66407	0.98755	164.04(QM)
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	11.492	11.497	(0.994)	108143	2.73417	454.18
149 Indeno(1,2,3-cd)pyrene	276	13.014	13.020	(1.126)	104632	2.40359	399.27
150 Dibenz(a,h)anthracene	278	13.036	13.047	(1.128)	24887	1.43591	238.52
151 Benzo(g,h,i)perylene	276	13.458	13.458	(1.165)	112057	2.28299	379.23
$ 154 Nitrobenzene-d5	82	4.814	4.825	(0.892)	12581	1.54267	256.26
$ 155 2-Fluorobiphenyl	172	6.272	6.283	(0.921)	33672	1.49012	247.53
$ 156 Terphenyl-d14	244	9.280	9.280	(0.915)	45770	1.34274	223.05
$ 157 Phenol-d5	99	4.087	4.098	(0.936)	18329	2.23853	371.85
$ 158 2-Fluorophenol	112	3.259	3.281	(0.747)	10815	1.95237	324.31
$ 159 2,4,6-Tribromophenol	330	7.448	7.453	(0.931)	6297	1.86574	309.92
$ 186 2-Chlorophenol-d4	132	4.178	4.195	(0.957)	16406	2.07095	344.01
$ 187 1,2-Dichlorobenzene-d4	152	4.493	4.504	(1.029)	7528	1.22121	202.86

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104020.D

Date : 04-NOV-2010 18:48

Client ID: 20100841 SD10-03

Instrument: 732.i

Sample Info: c0k030562-006 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

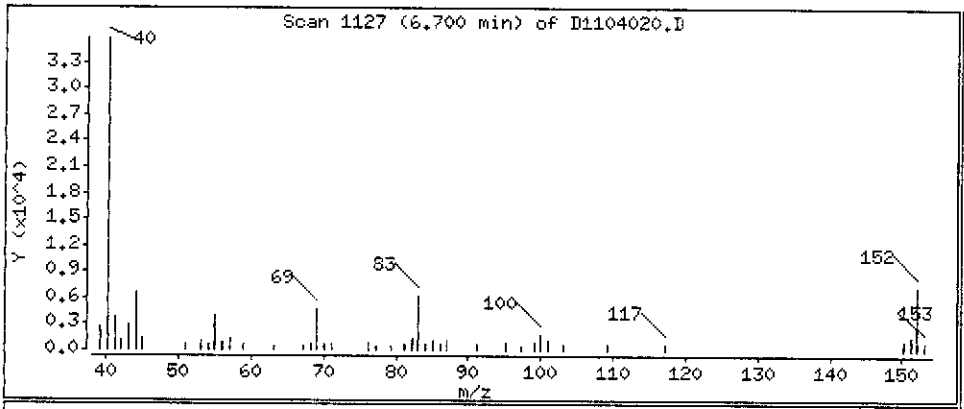
Operator: 430261nc

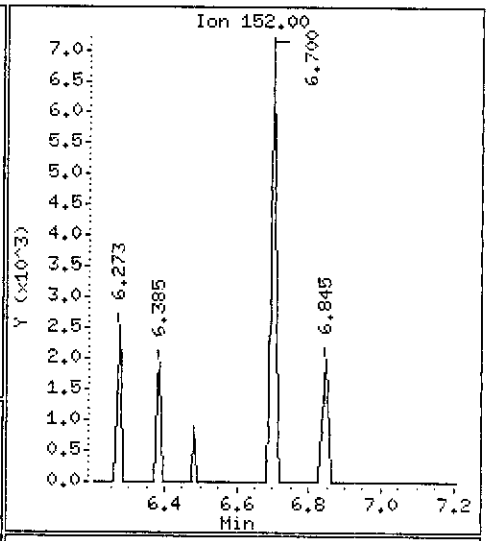
Column phase: DB5-MS

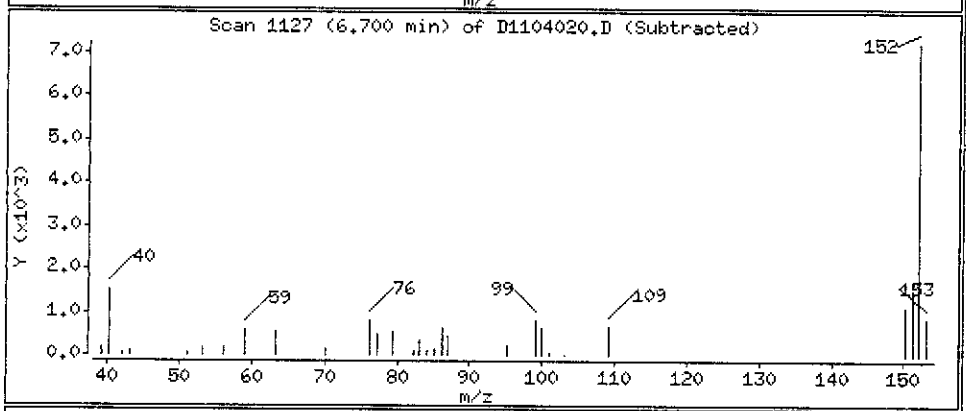
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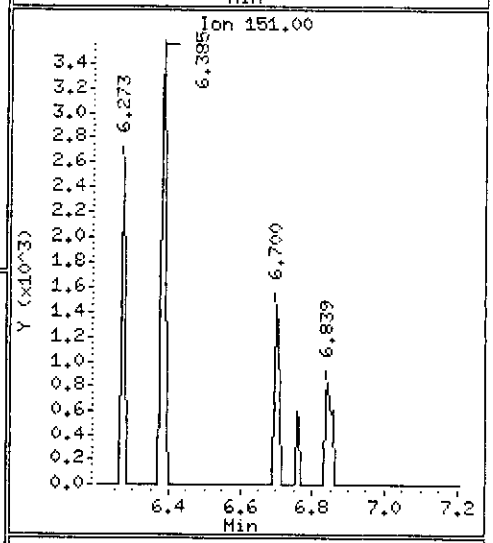
79 Acenaphthylene

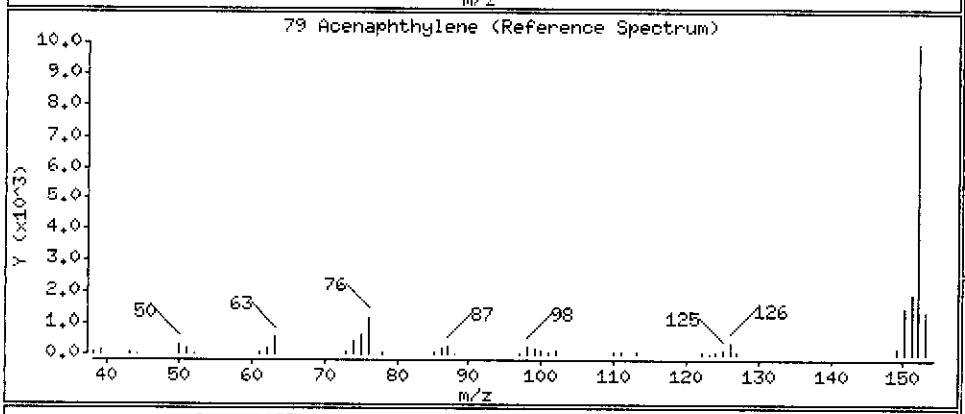
Concentration: 26.734 ug/kg

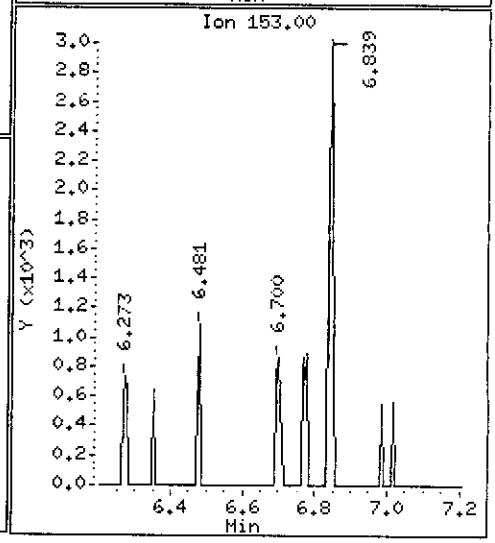


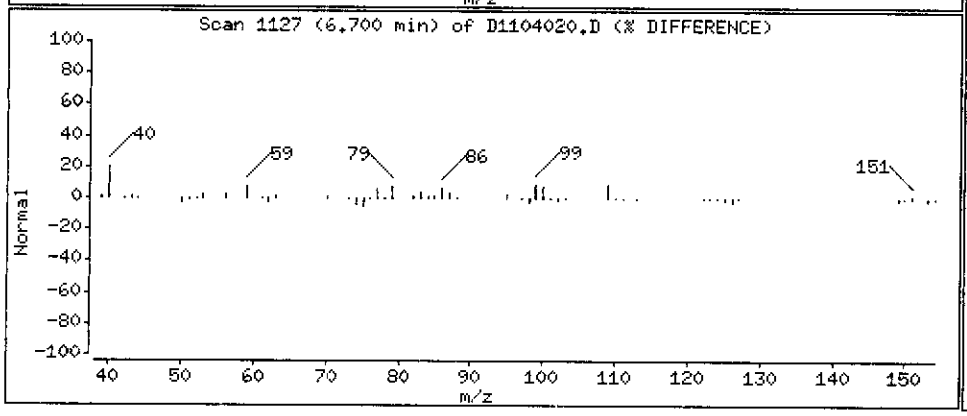












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104020.D

Date : 04-NOV-2010 18:48

Client ID: 20100841 SD10-03

Instrument: 732.i

Sample Info: c0k030562-006 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

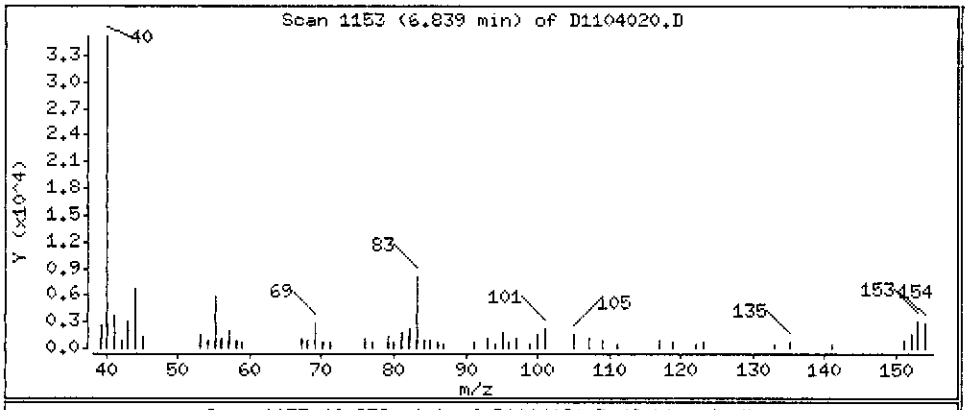
Operator: 430261nc

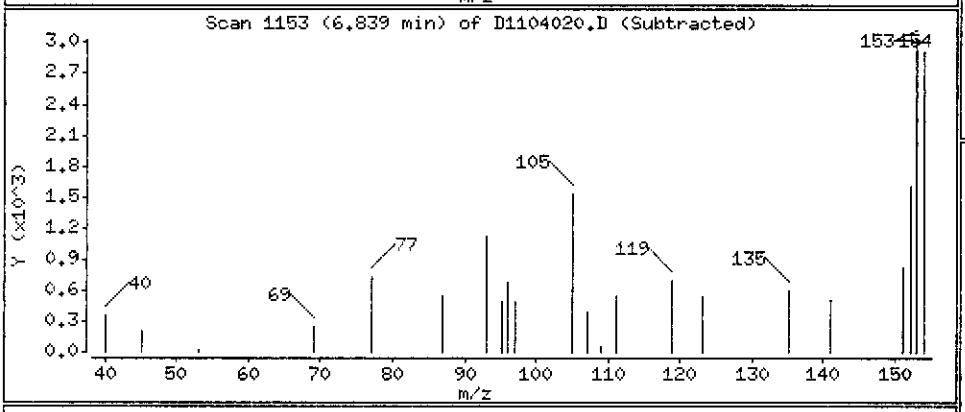
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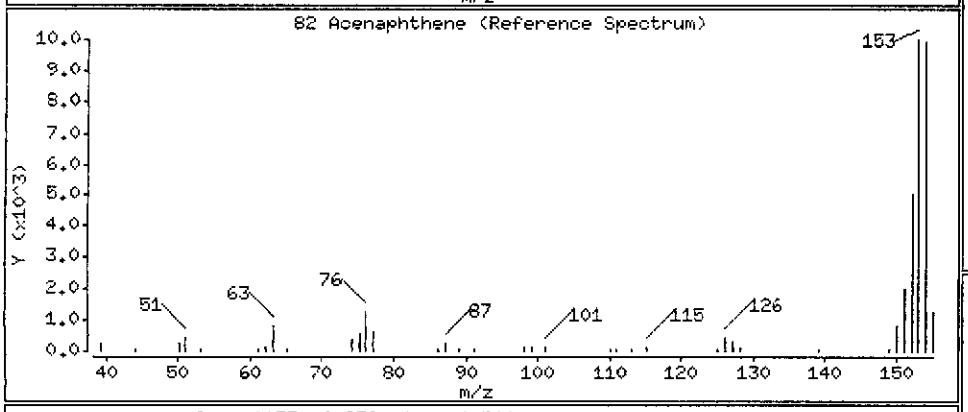
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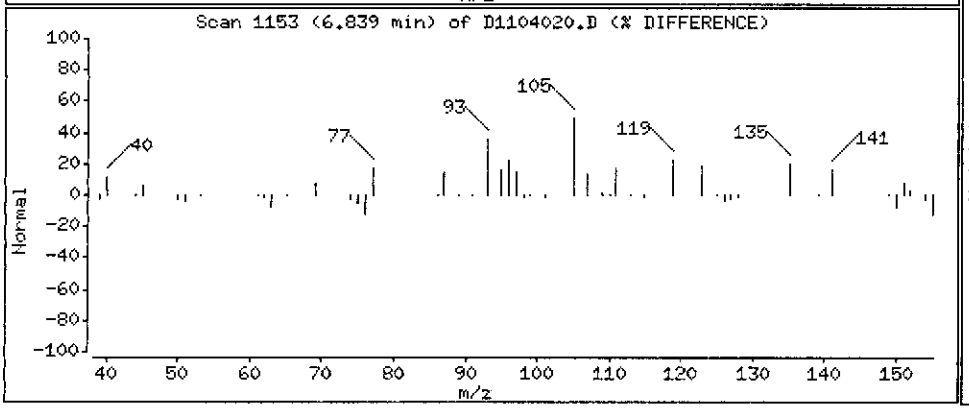
82 Acenaphthene

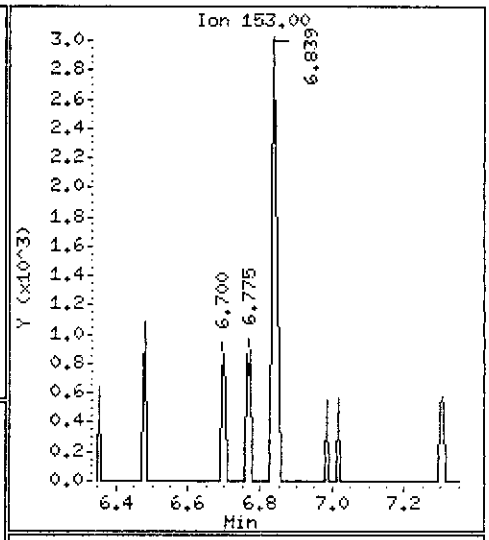
Concentration: 18.233 ug/kg

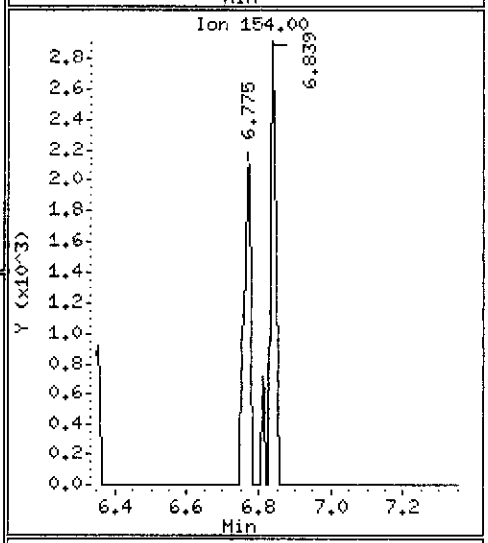


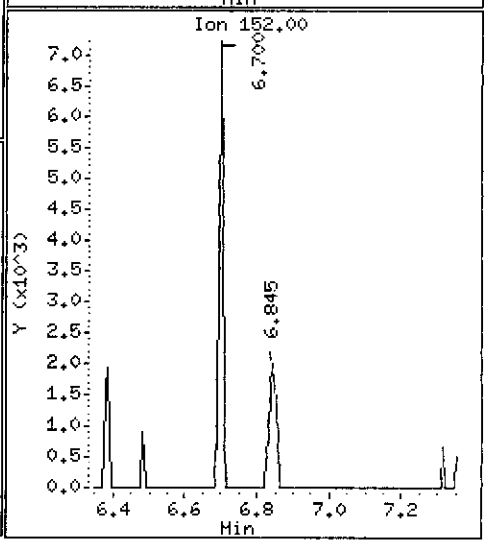












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104020.D

Date : 04-NOV-2010 18:48

Client ID: 20100841 SD10-03

Instrument: 732.i

Sample Info: c0k030562-006 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

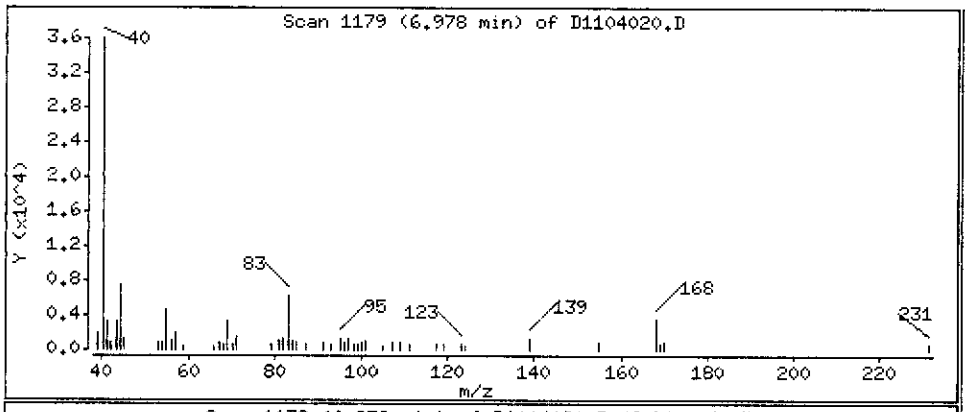
Operator: 430261nc

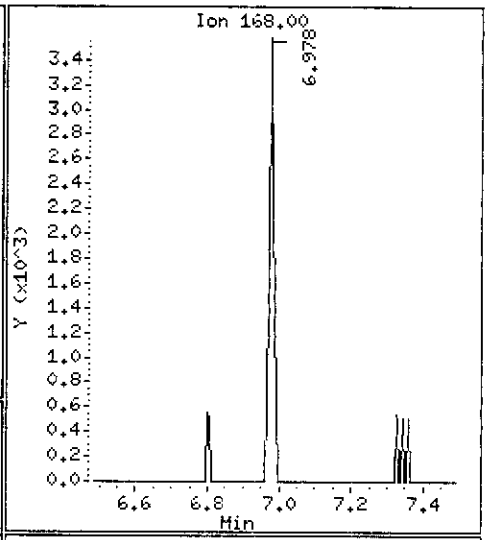
Column phase: DB5-MS

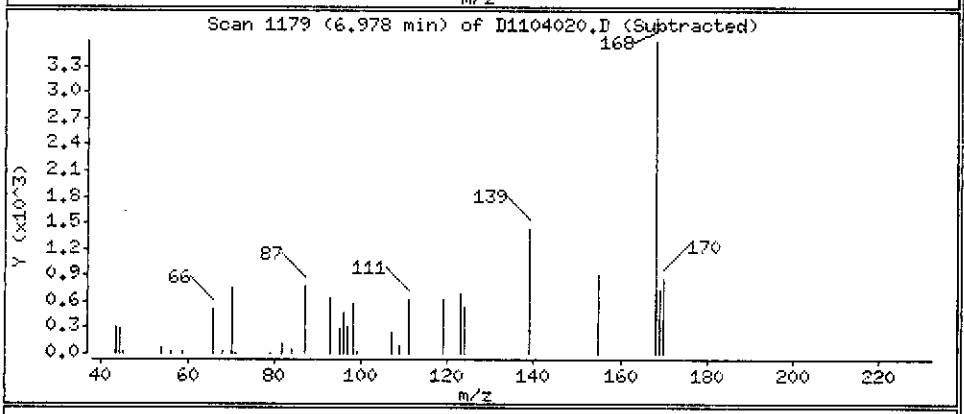
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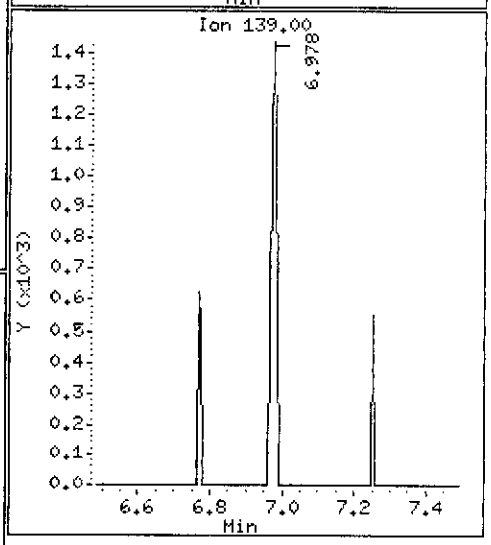
86 Dibenzofuran

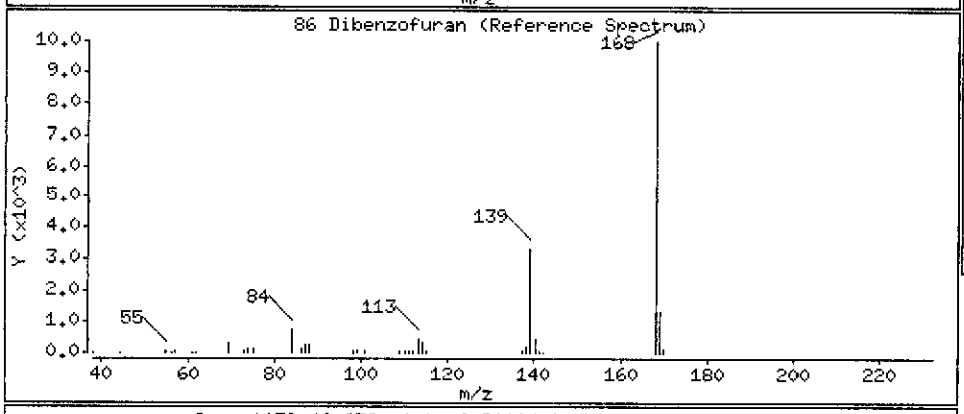
Concentration: 13.780 ug/kg

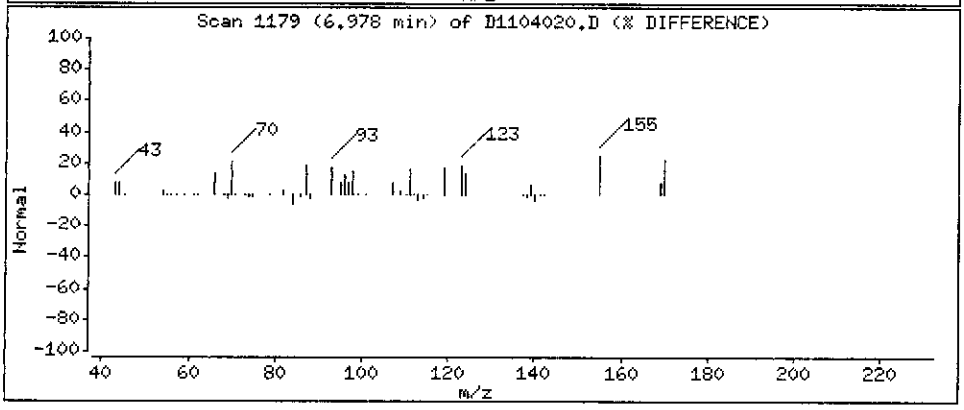












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104020.D

Date : 04-NOV-2010 18:48

Client ID: 20100841 SD10-03

Instrument: 732.i

Sample Info: c0k030562-006 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

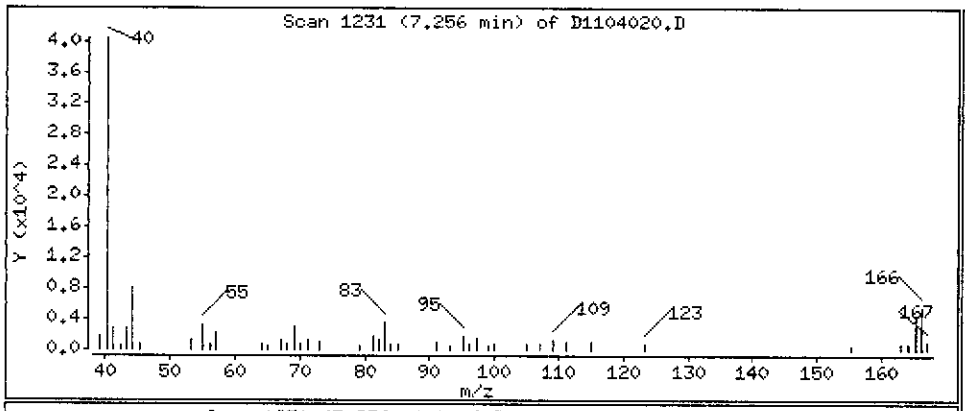
Operator: 430261nc

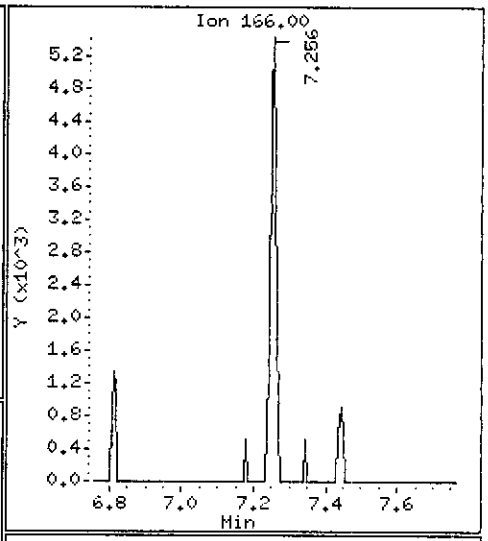
Column phase: DB5-MS

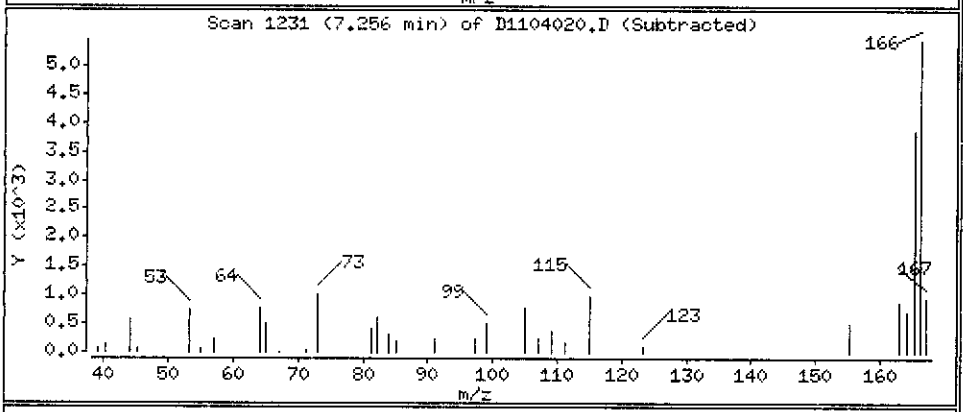
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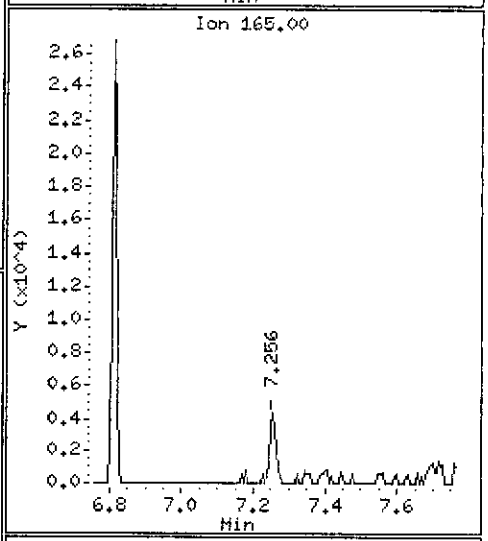
94 Fluorene

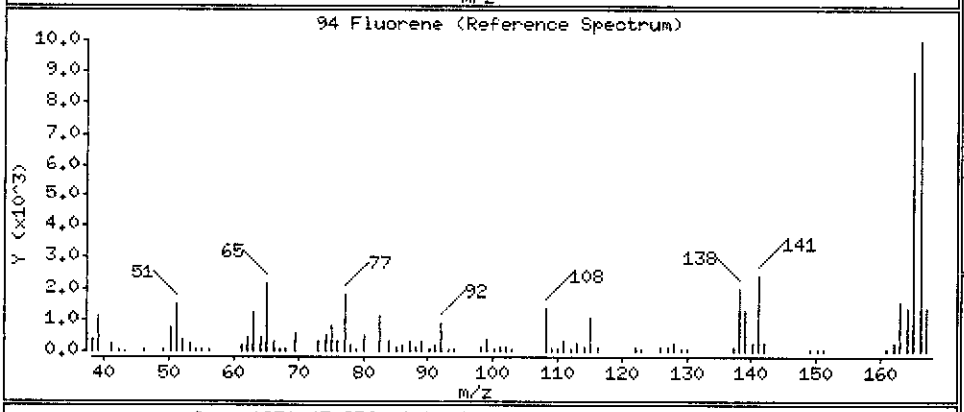
Concentration: 17.481 ug/kg

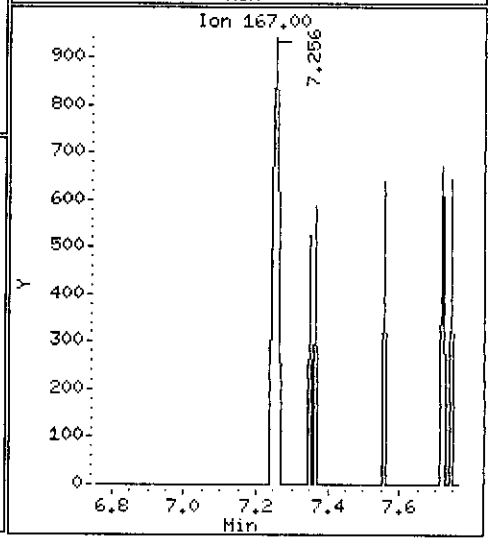


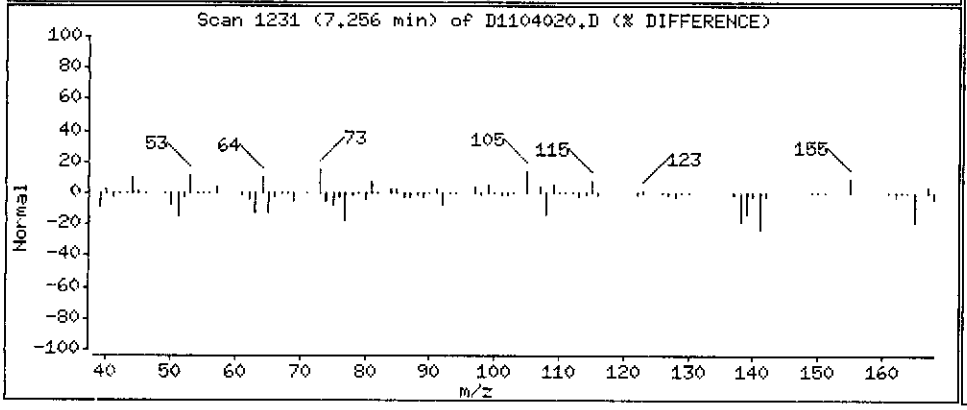












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104020.D

Date : 04-NOV-2010 18:48

Client ID: 20100841 SD10-03

Instrument: 732.i

Sample Info: c0k030562-006 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

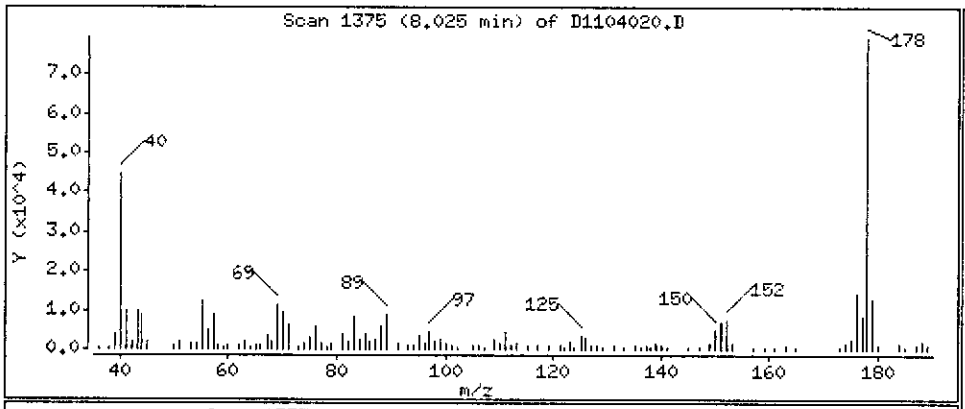
Operator: 430261nc

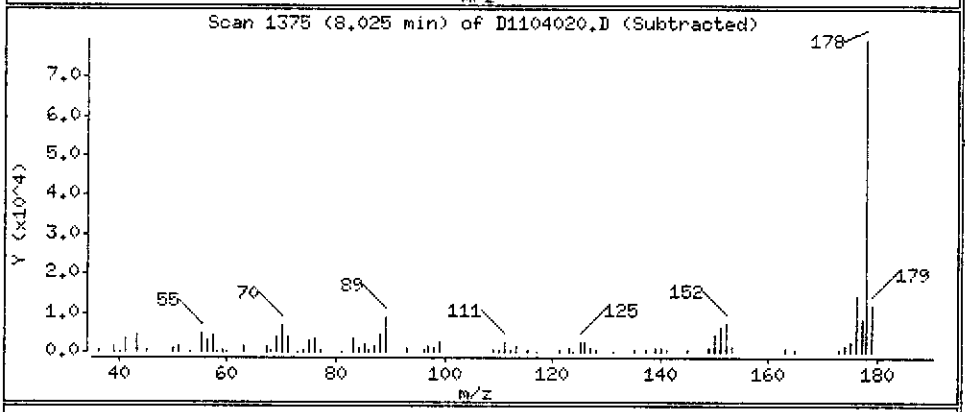
Column phase: DB5-MS

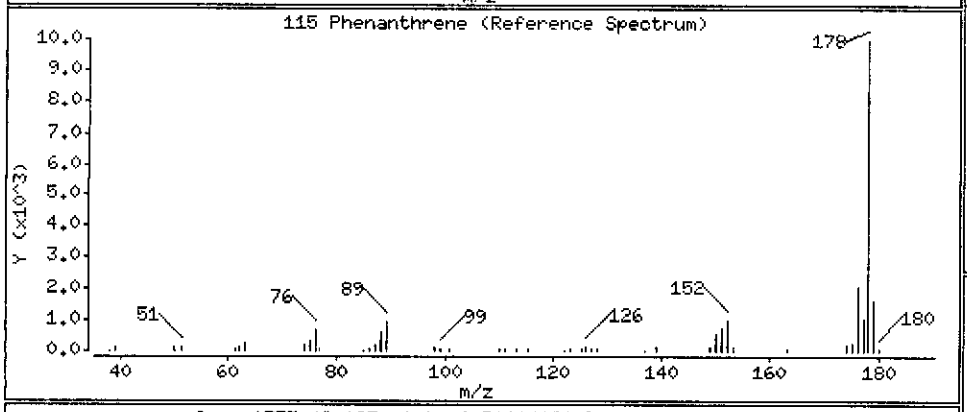
Column diameter: 0.32

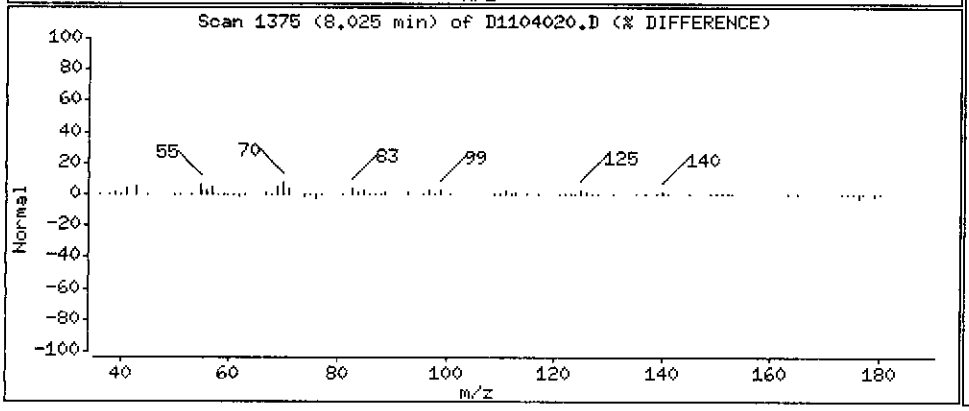
115 Phenanthrene

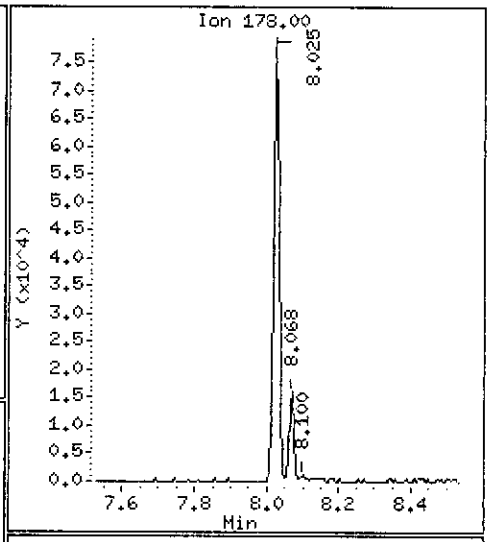
Concentration: 238.40 ug/kg

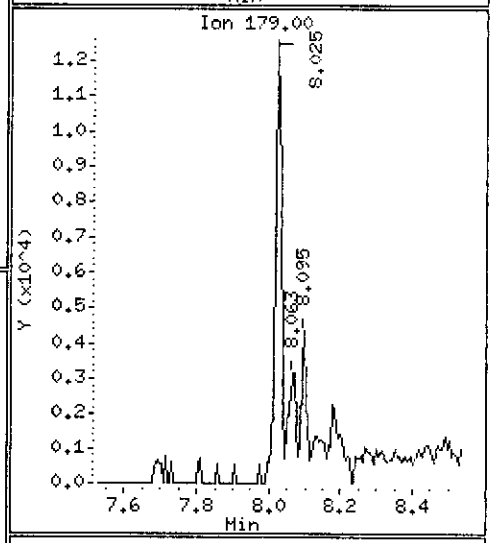


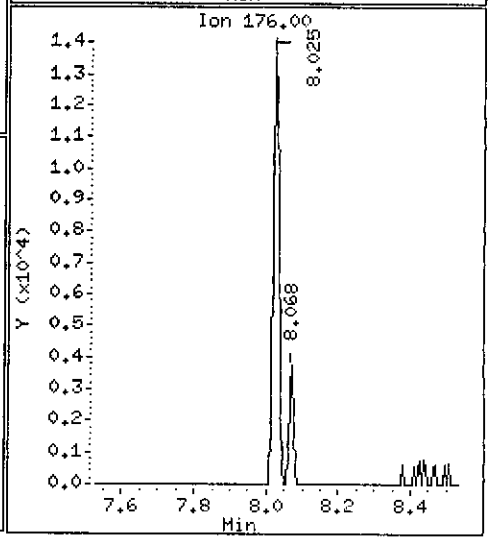












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104020.D

Date : 04-NOV-2010 18:48

Client ID: 20100841 SD10-03

Instrument: 732.i

Sample Info: c0k030562-006 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

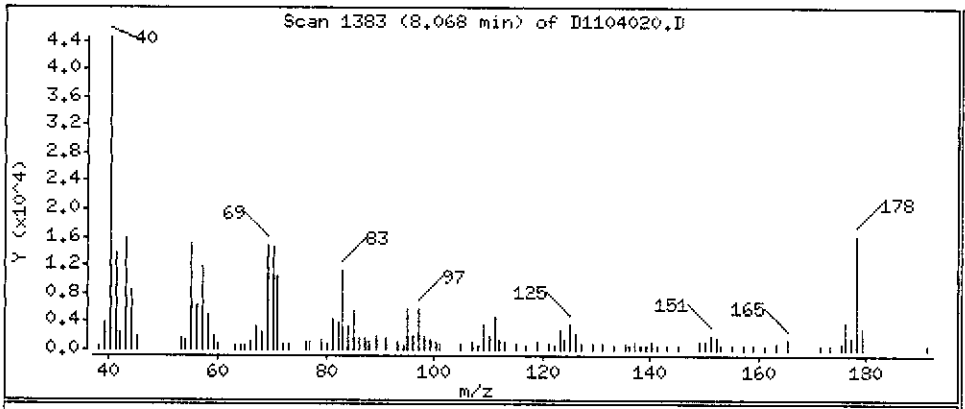
Operator: 430261nc

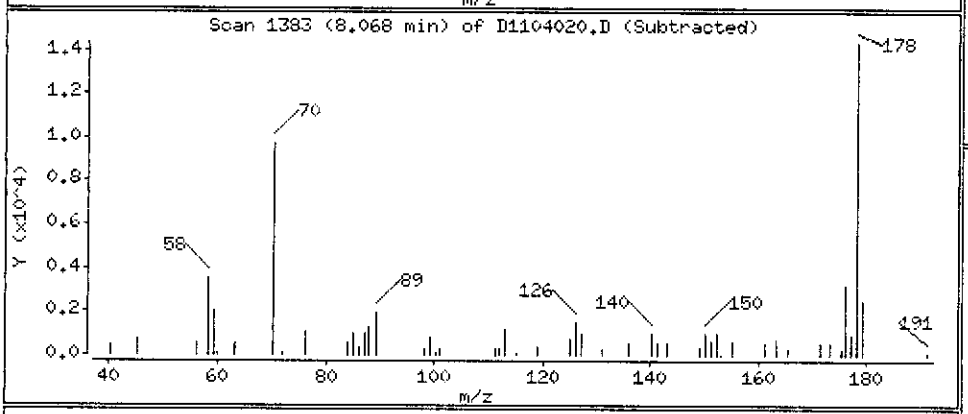
Column phase: DB5-MS

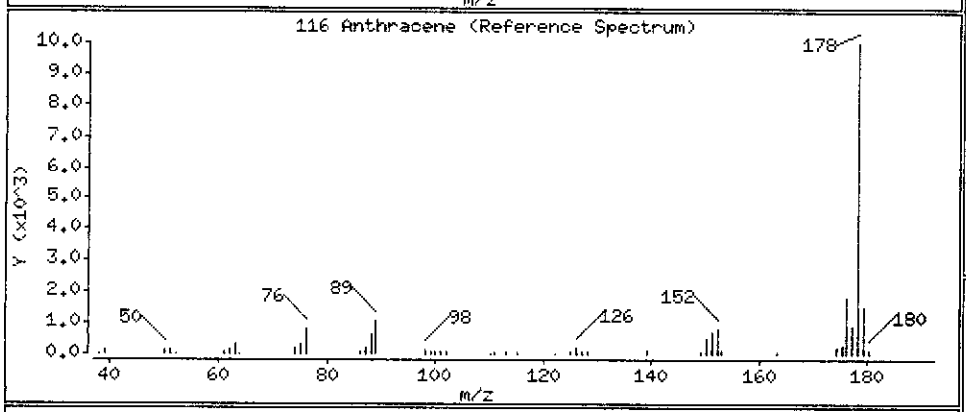
Column diameter: 0.32

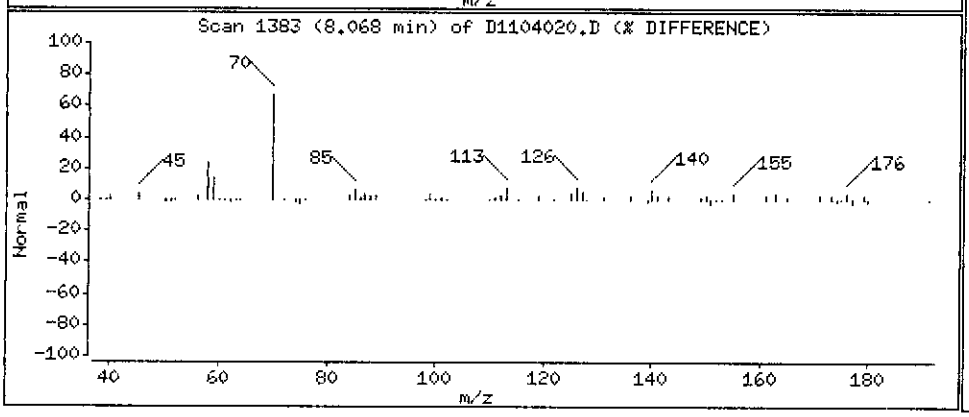
116 Anthracene

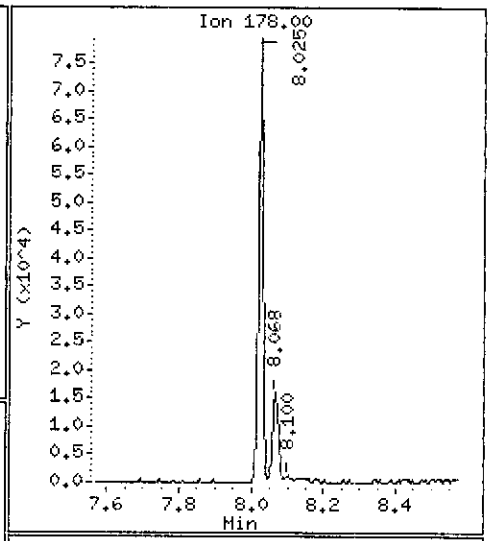
Concentration: 54.149 ug/kg

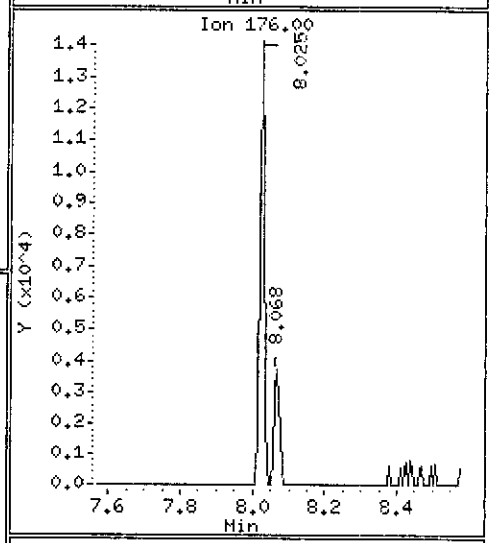


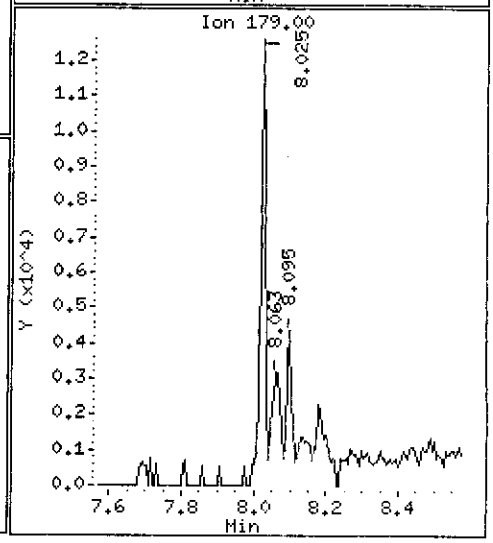












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104020.D

Date : 04-NOV-2010 18:48

Client ID: 20100841 SD10-03

Instrument: 732.i

Sample Info: c0k030562-006 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

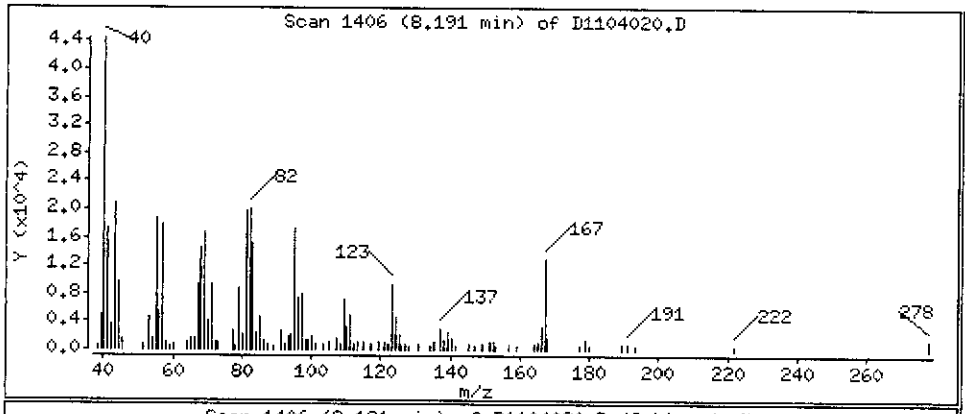
Operator: 430261nc

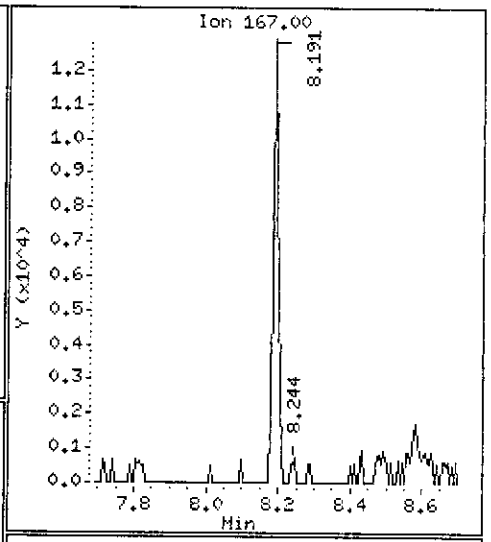
Column phase: DB5-MS

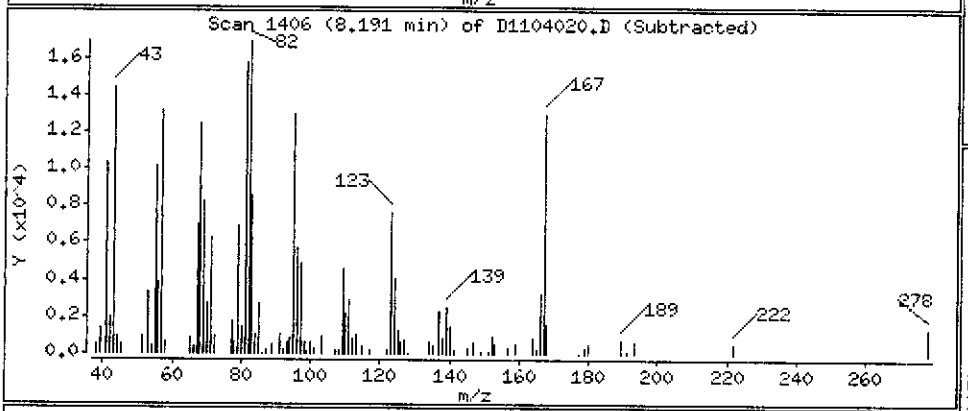
Column diameter: 0.32

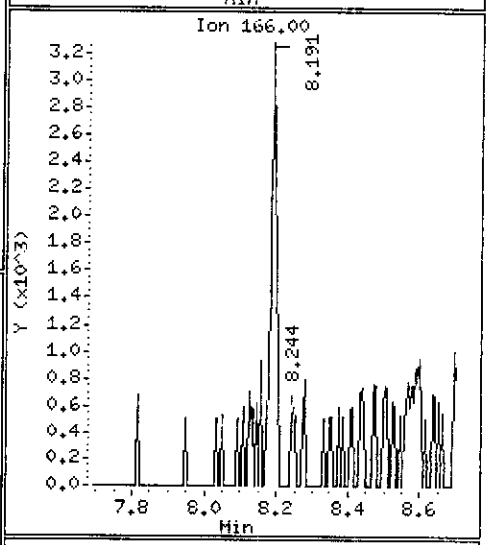
119 Carbazole

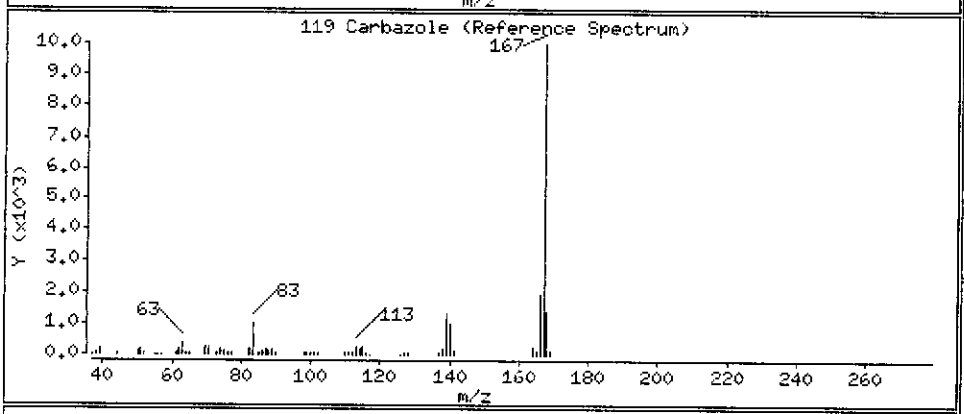
Concentration: 43.195 ug/kg

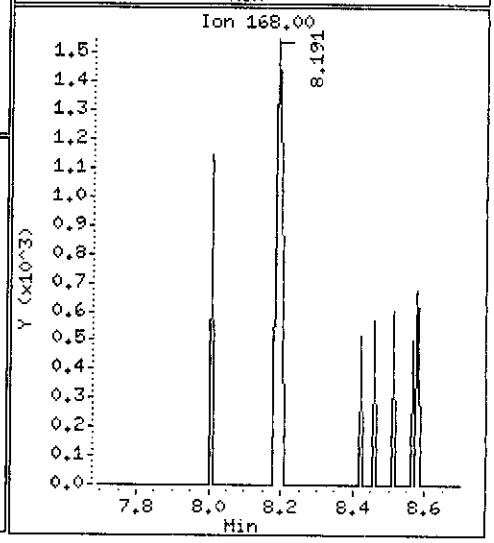


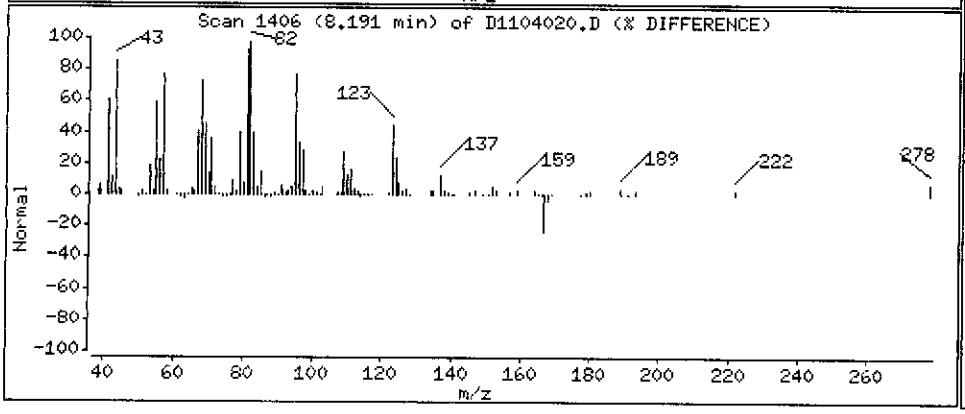












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104020.D

Date : 04-NOV-2010 18:48

Client ID: 20100841 SD10-03

Instrument: 732.i

Sample Info: c0k030562-006 20x 11/04/10 sed842(0308035)

Volume Injected (uL): 2.0

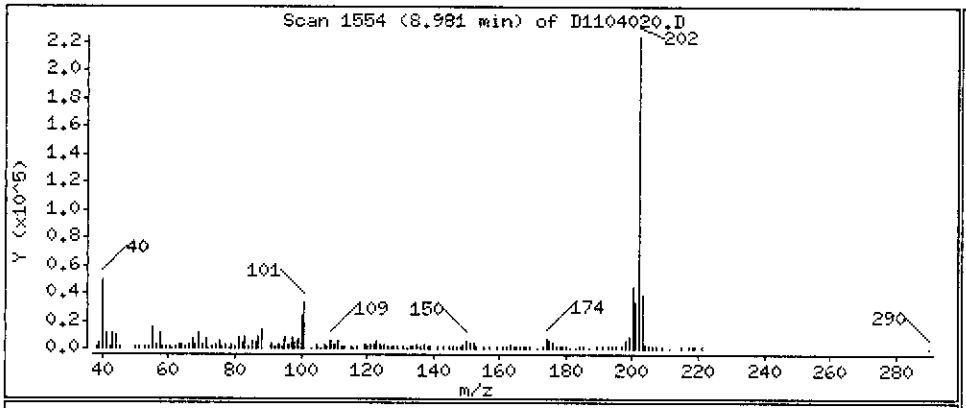
Operator: 430261nc

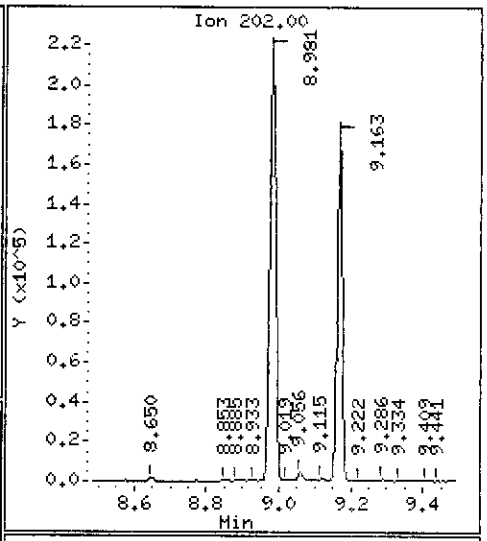
Column phase: DB5-MS

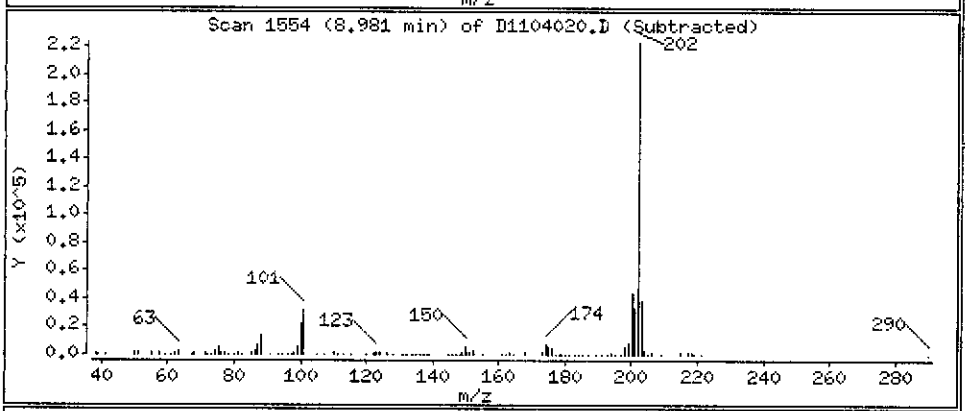
Column diameter: 0.32

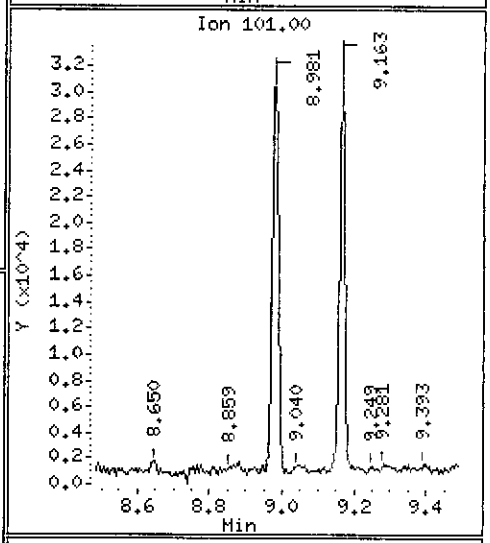
123 Fluoranthene

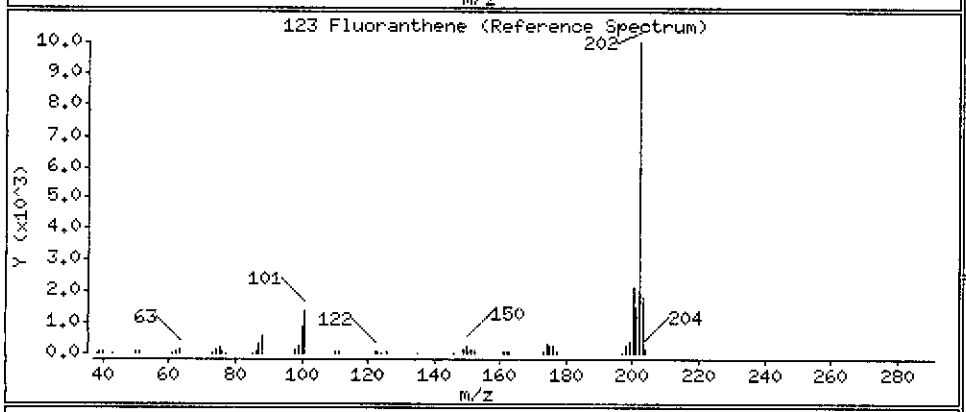
Concentration: 695.75 ug/kg

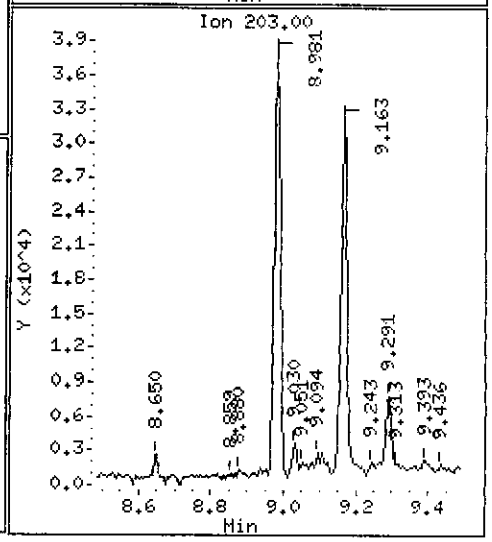


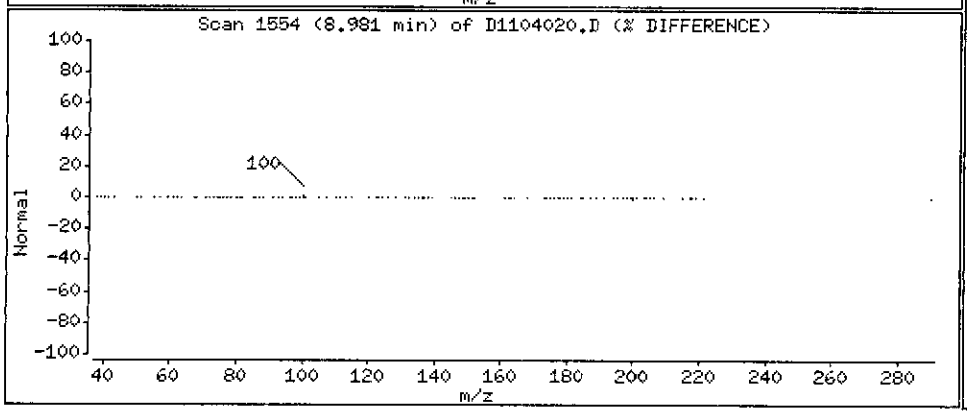












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104020.D

Date : 04-NOV-2010 18:48

Client ID: 20100841 SD10-03

Instrument: 732.i

Sample Info: c0k030562-006 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

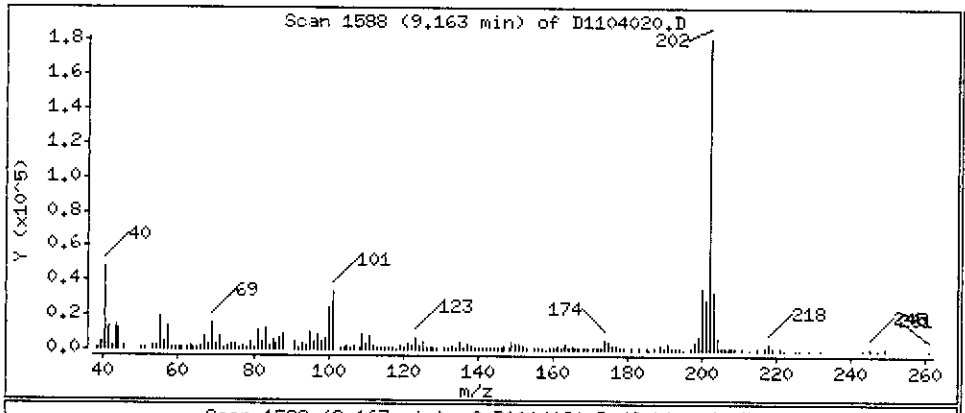
Operator: 430261nc

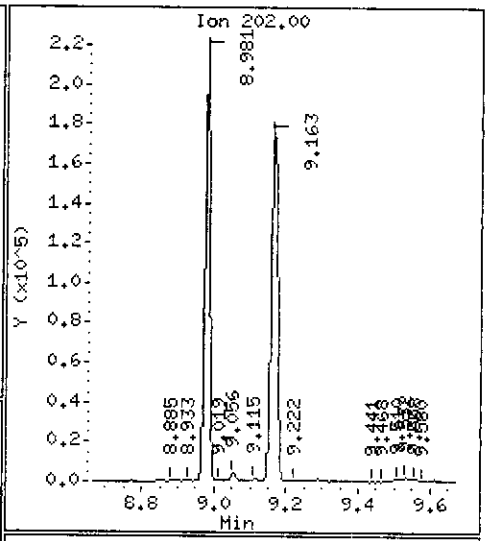
Column phase: DB5-MS

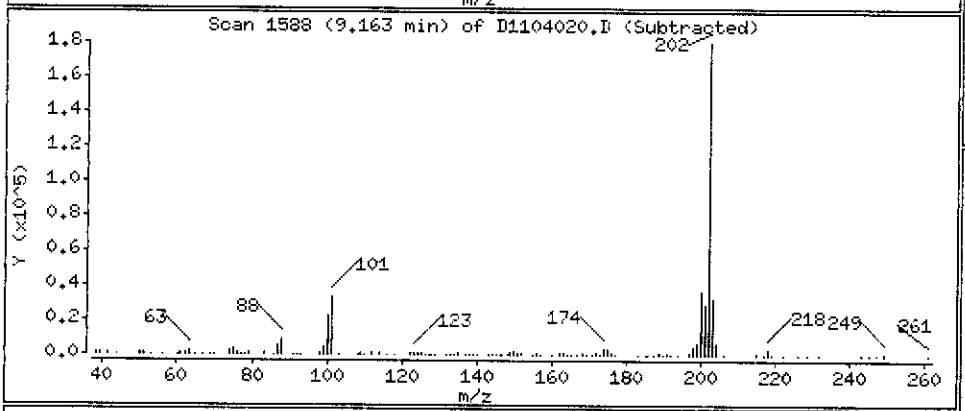
Column diameter: 0.32

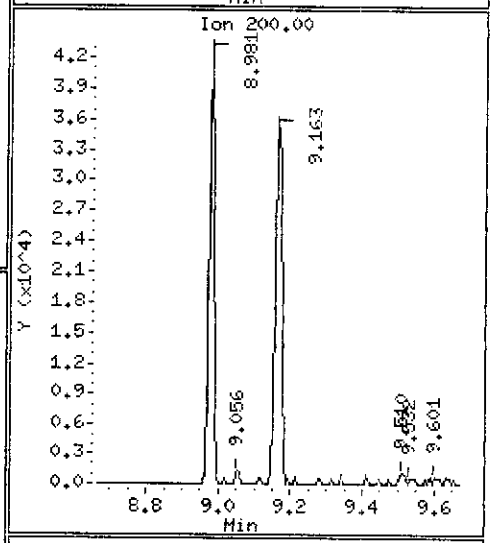
125 Pyrene

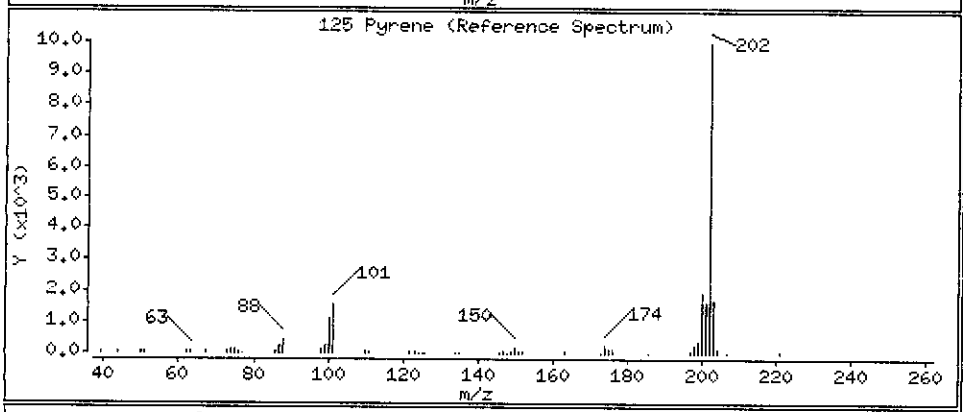
Concentration: 482.69 ug/kg

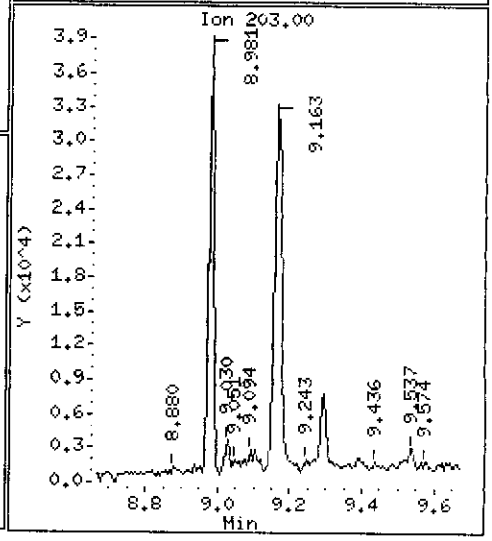


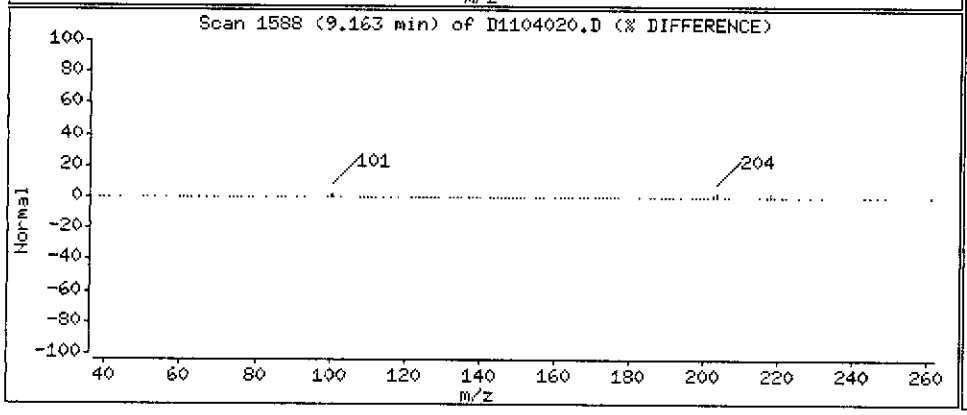












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104020.D

Date : 04-NOV-2010 18:48

Client ID: 20100841 SD10-03

Instrument: 732.i

Sample Info: c0k030562-006 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

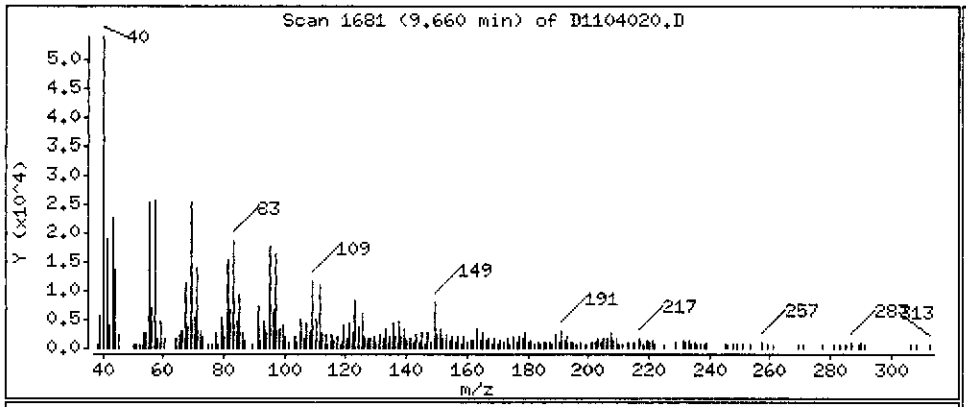
Operator: 430261nc

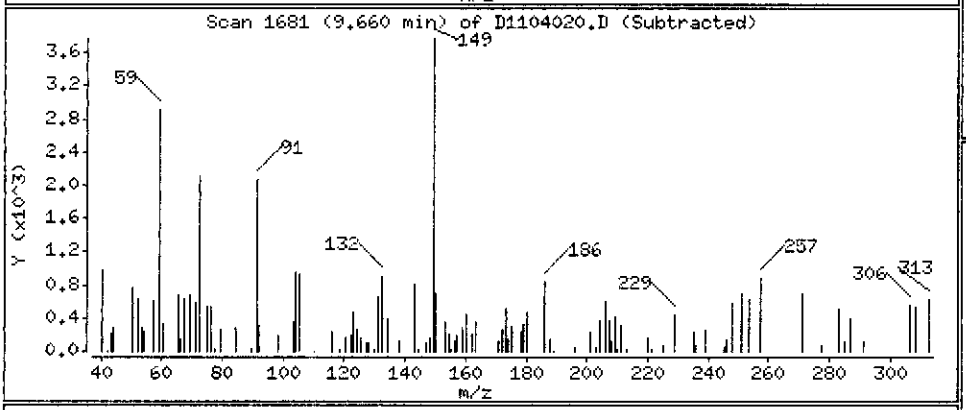
Column phase: DB5-MS

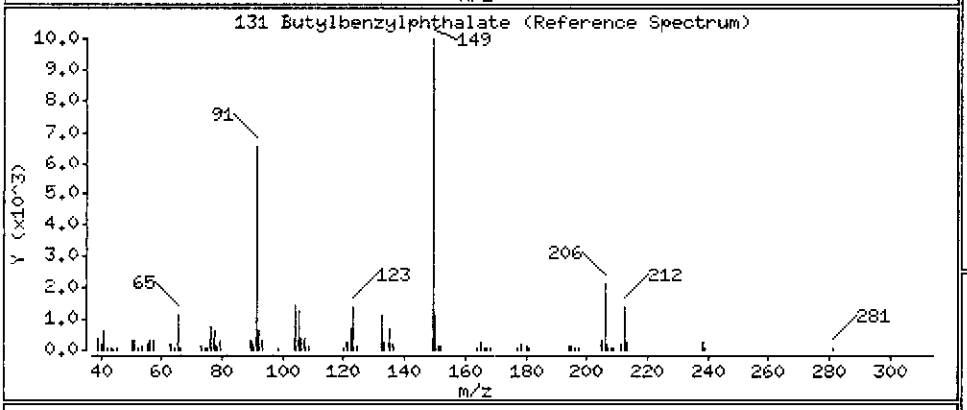
Column diameter: 0.32

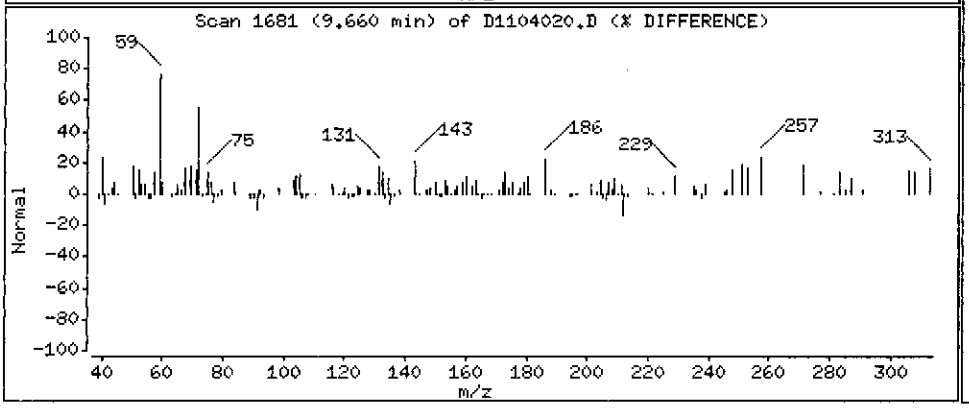
131 Butylbenzylphthalate

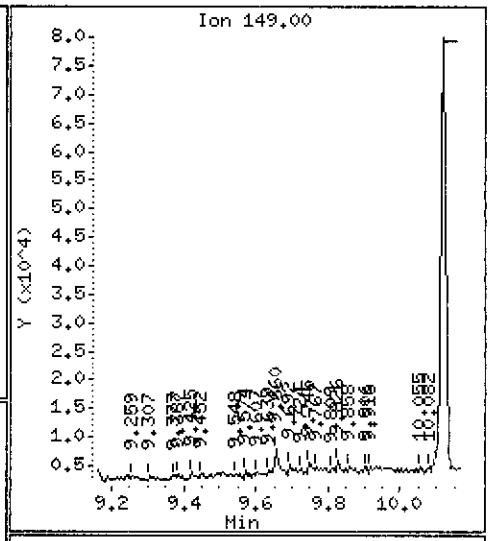
Concentration: 29.955 ug/kg

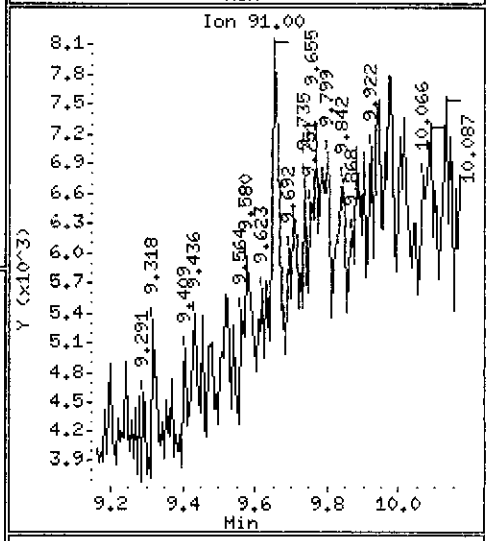


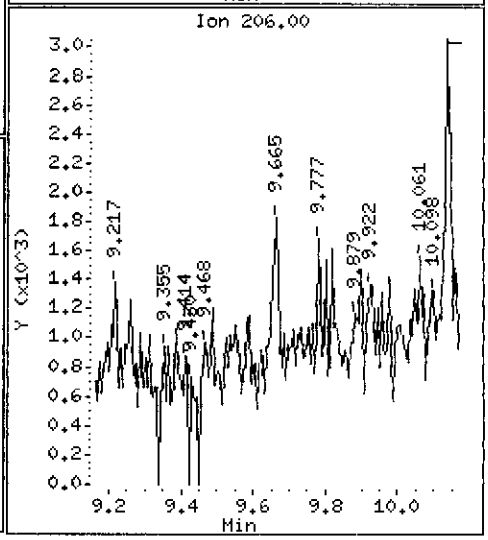












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104020.D

Date : 04-NOV-2010 18:48

Client ID: 20100841 SD10-03

Instrument: 732.i

Sample Info: c0k030562-006 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

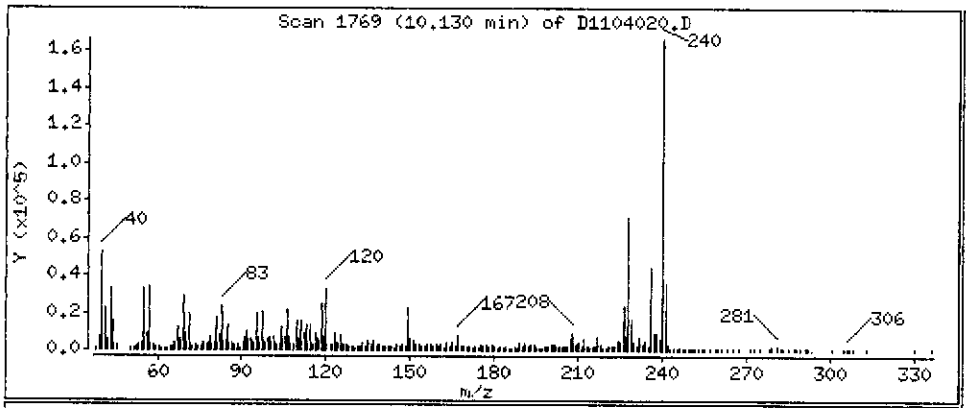
Operator: 430261nc

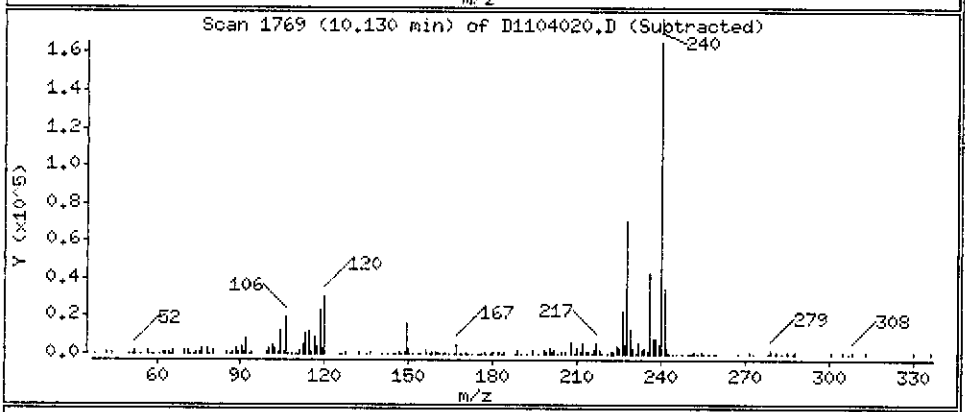
Column phase: DB5-MS

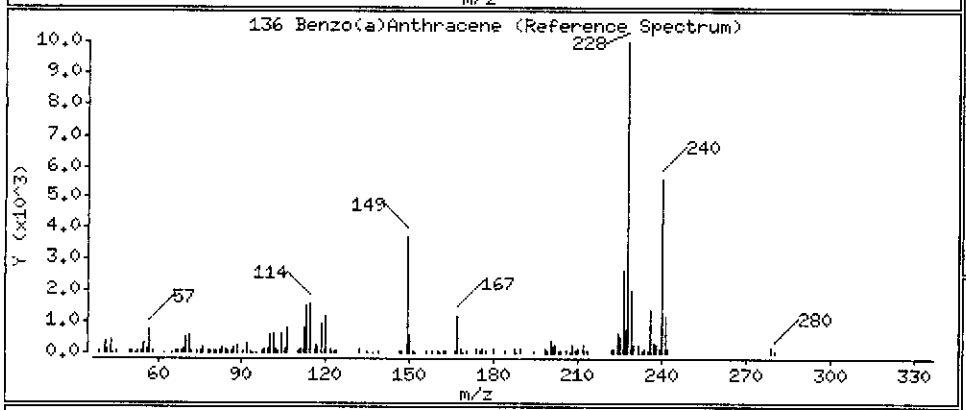
Column diameter: 0.32

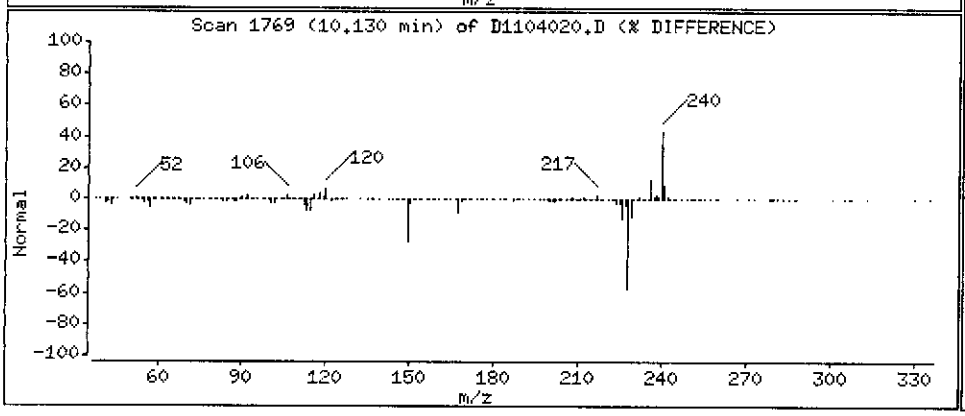
136 Benzo(a)Anthracene

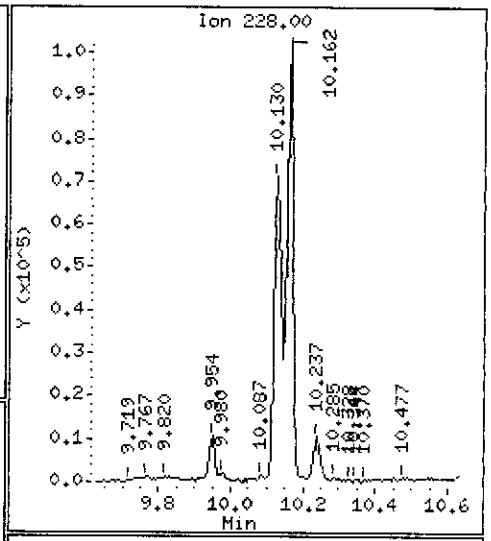
Concentration: 262.85 ug/kg

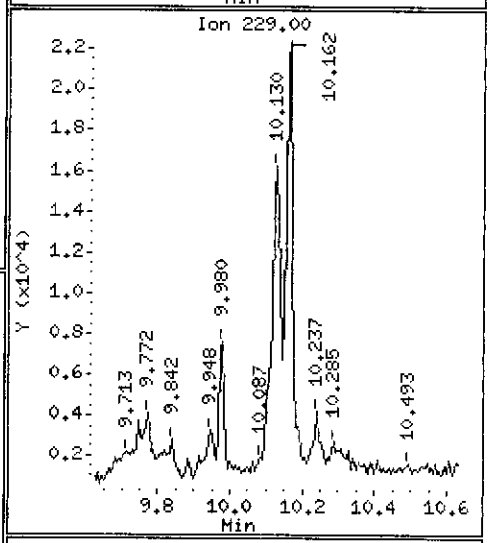


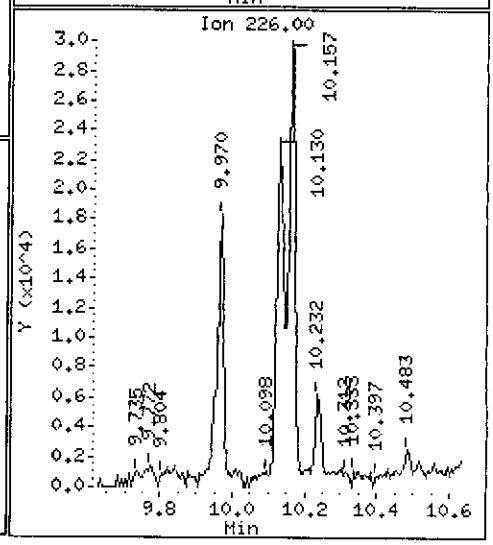












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104020.D

Date : 04-NOV-2010 18:48

Client ID: 20100841 SD10-03

Instrument: 732.i

Sample Info: c0k030562-006 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

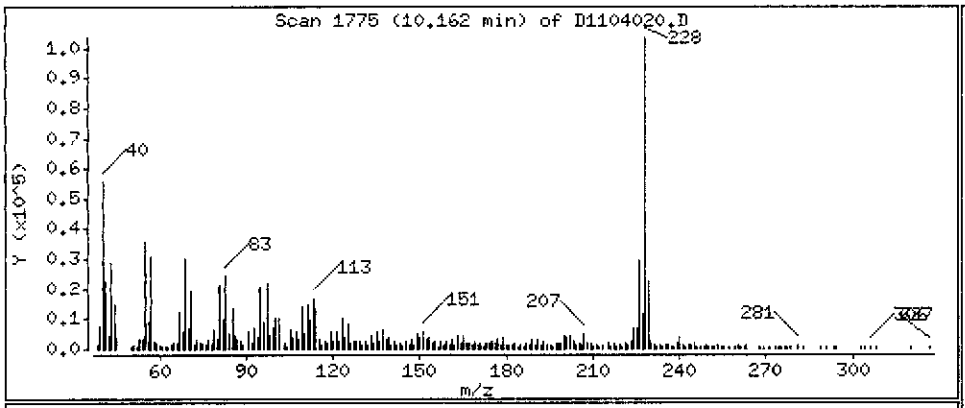
Operator: 430261nc

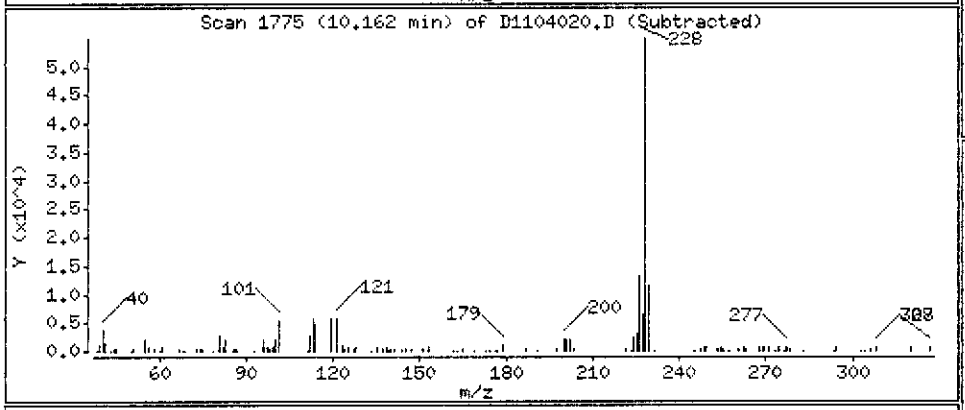
Column phase: DB5-MS

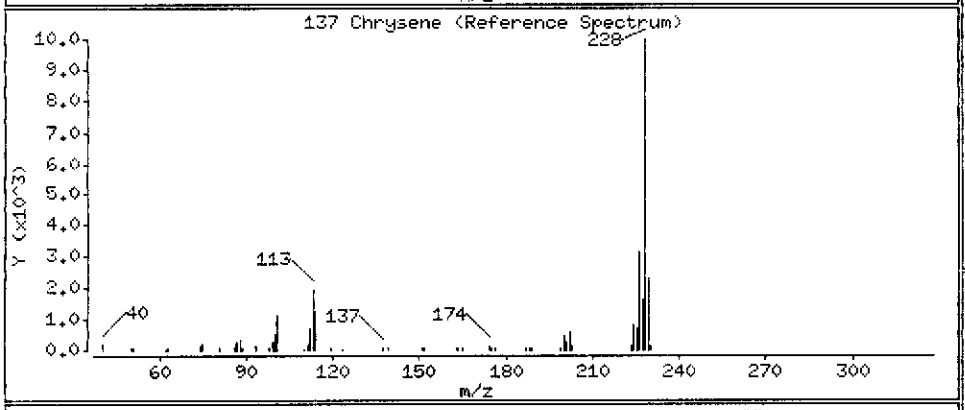
Column diameter: 0.32

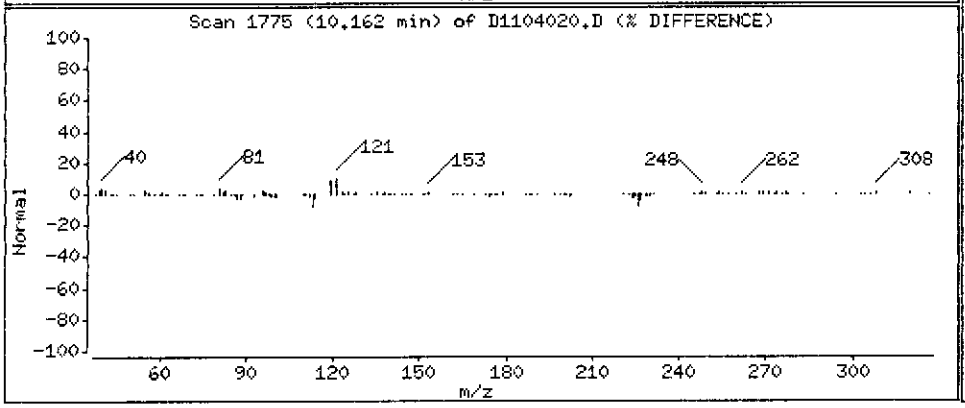
137 Chrysene

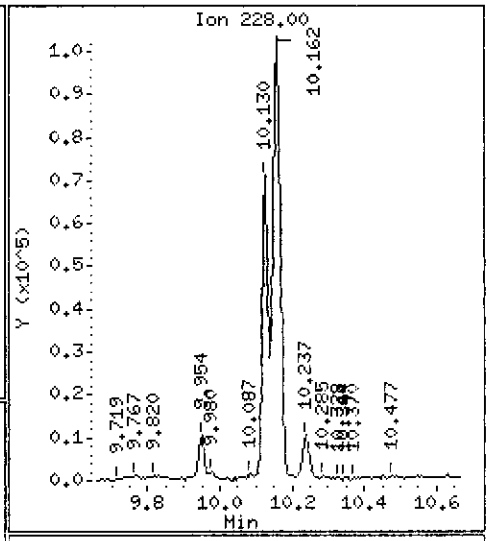
Concentration: 394.32 ug/kg

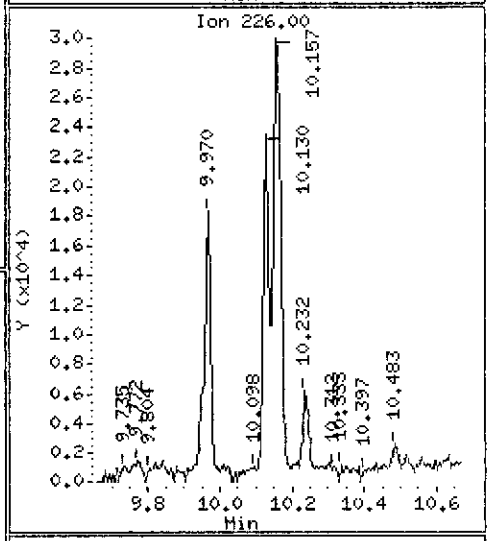


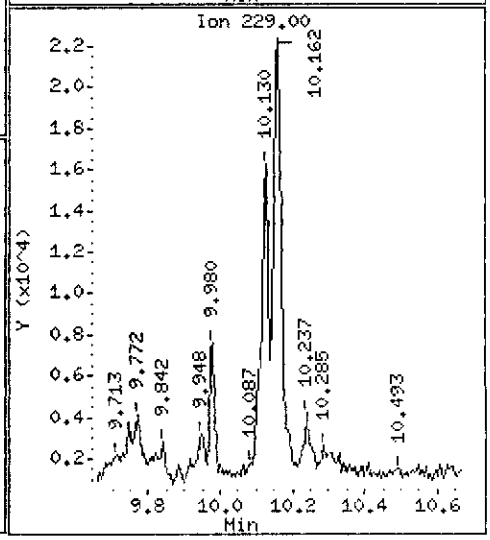












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104020.D

Date : 04-NOV-2010 18:48

Client ID: 20100841 SD10-03

Instrument: 732.i

Sample Info: c0k030562-006 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

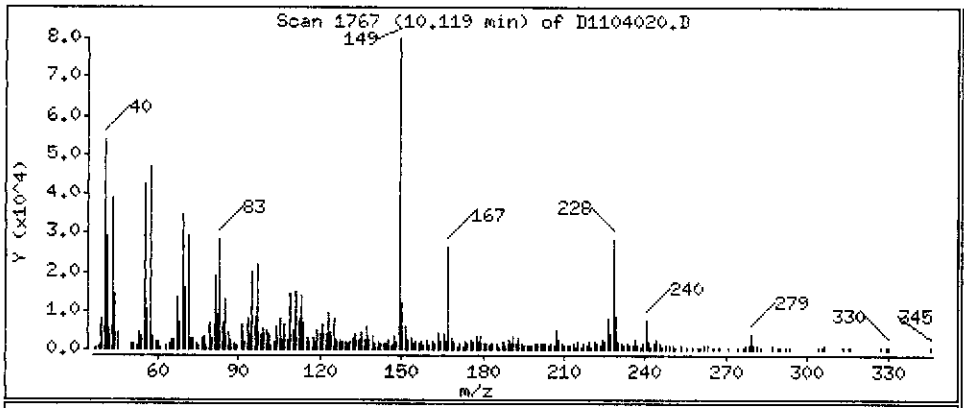
Operator: 430261nc

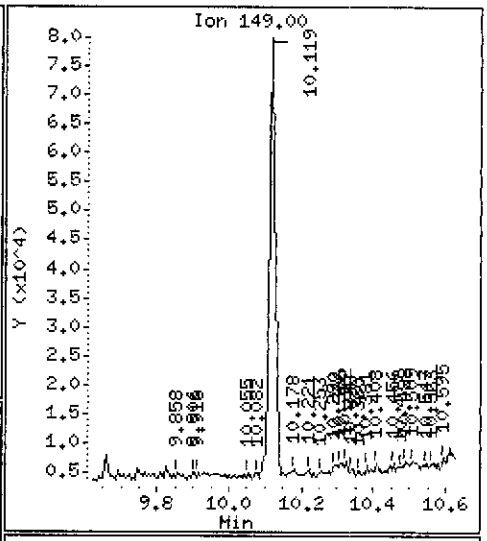
Column phase: DB5-MS

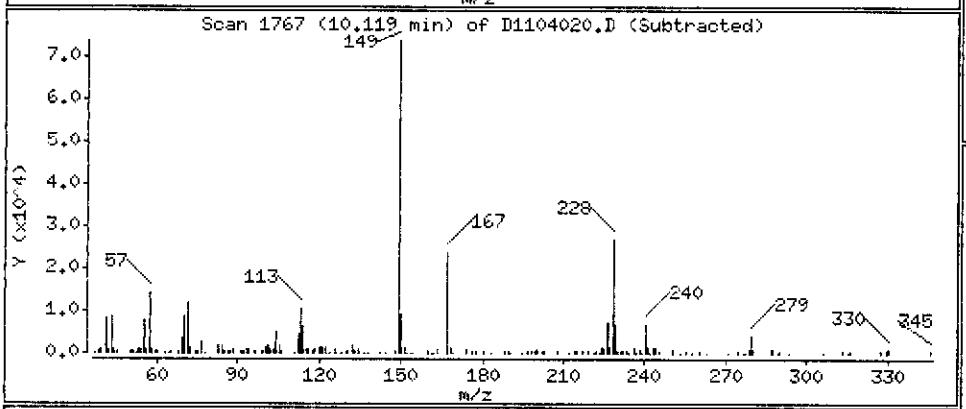
Column diameter: 0.32

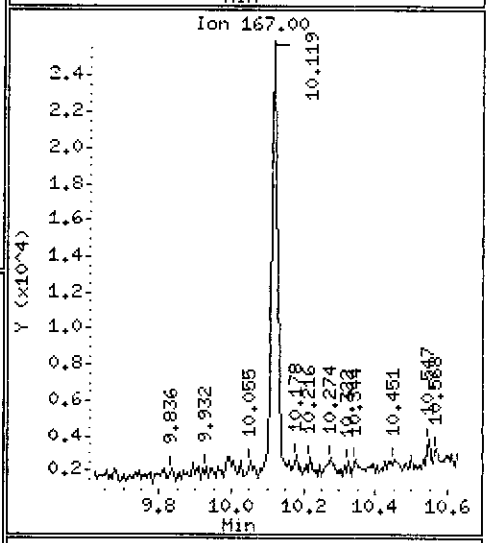
139 bis(2-ethylhexyl)Phthalate

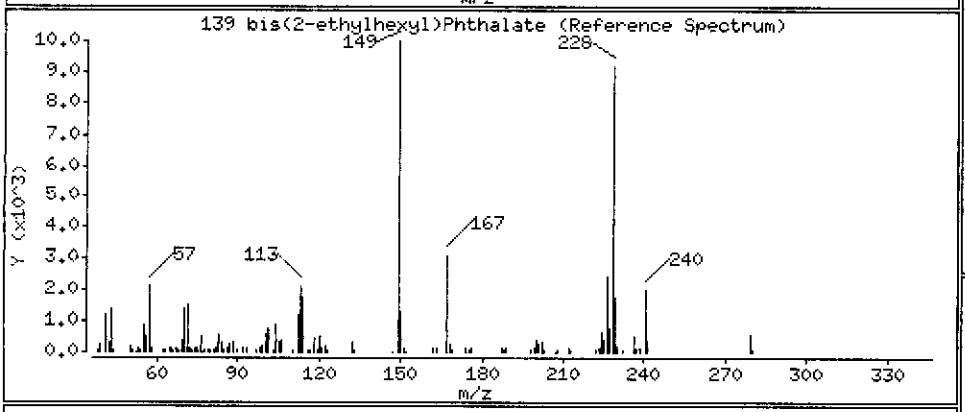
Concentration: 364.19 ug/kg

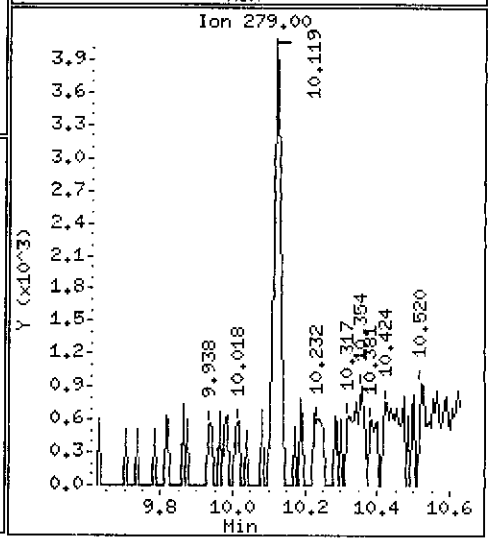


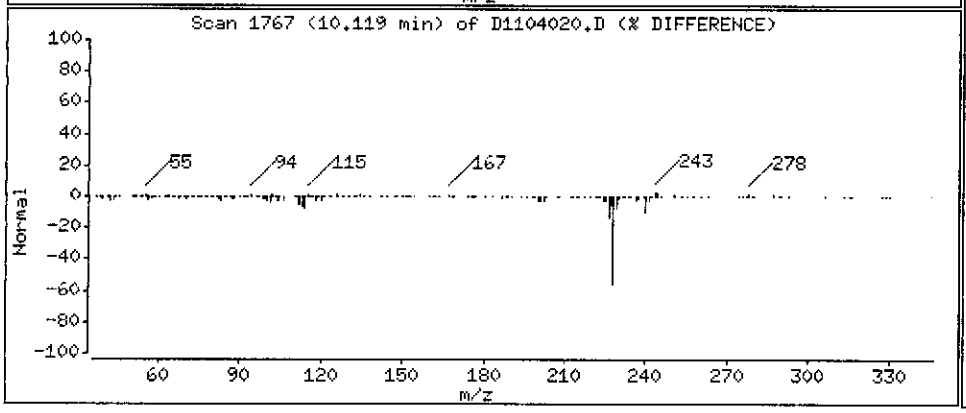












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104020.D

Date : 04-NOV-2010 18:48

Client ID: 20100841 SD10-03

Instrument: 732.i

Sample Info: c0k030562-006 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

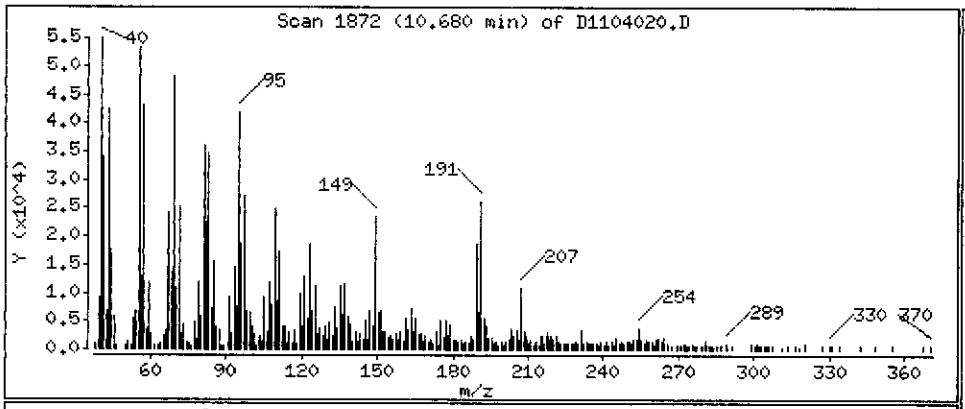
Operator: 430261nc

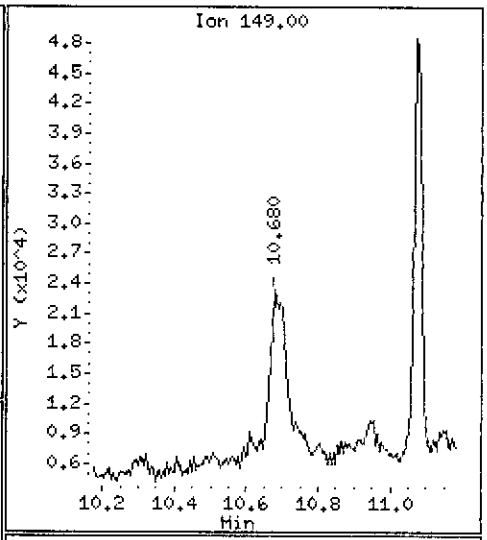
Column phase: DB5-MS

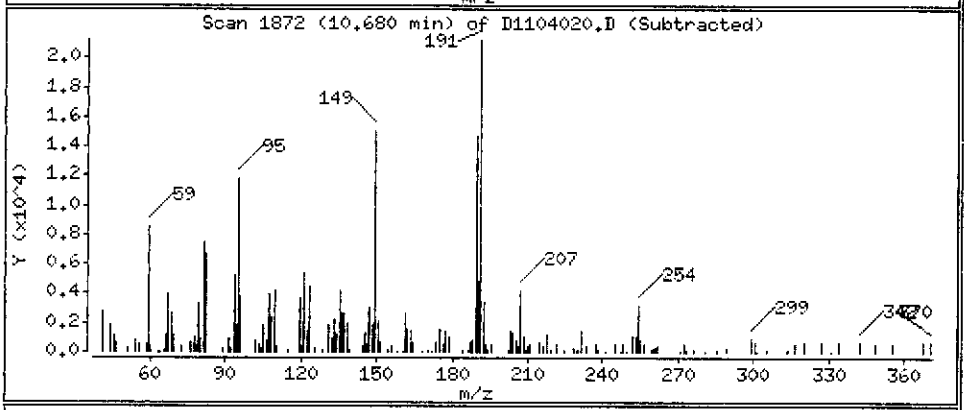
Column diameter: 0.32

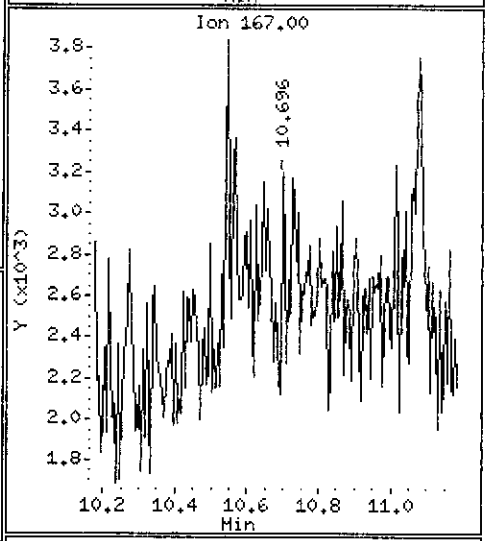
140 Di-n-octylphthalate

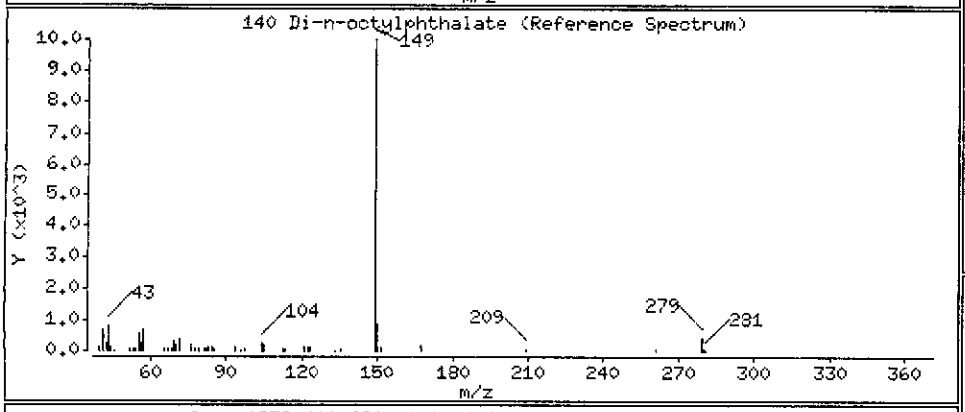
Concentration: 412.12 ug/kg

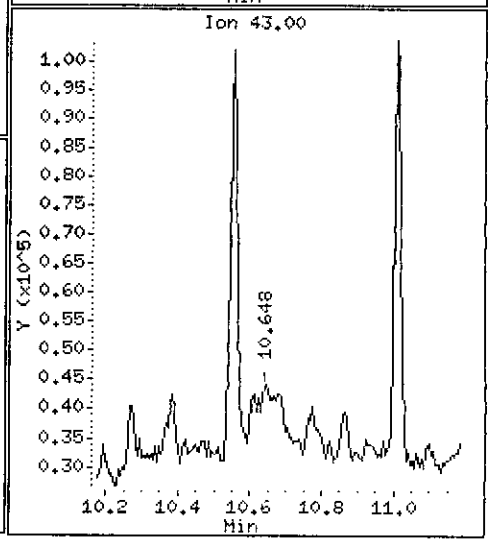


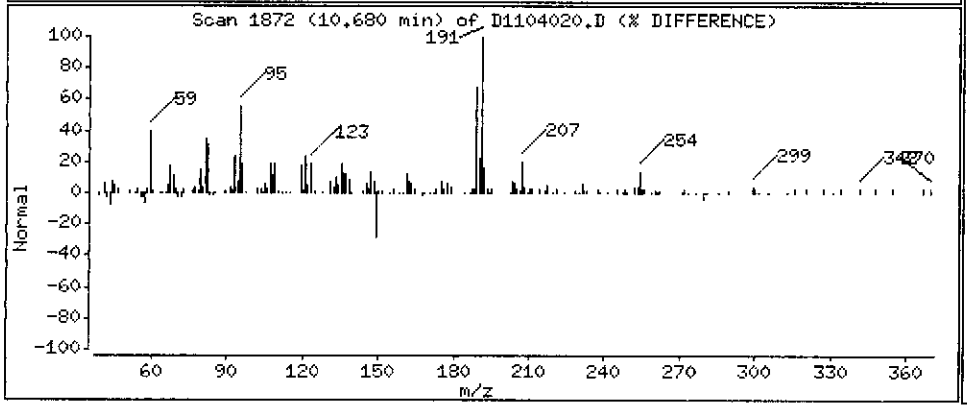












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104020.D

Date : 04-NOV-2010 18:48

Client ID: 20100841 SD10-03

Instrument: 732.i

Sample Info: c0k030562-006 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

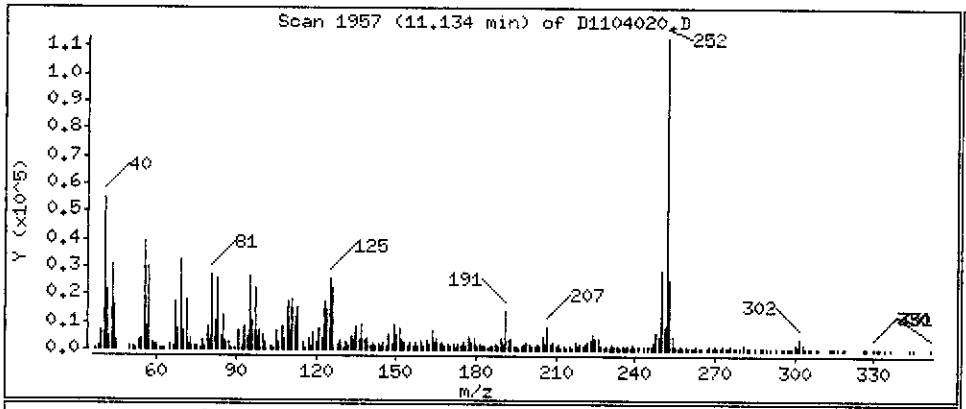
Operator: 430261nc

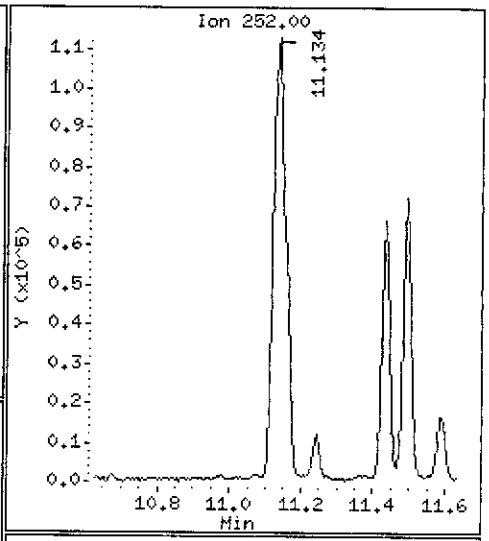
Column phase: DB5-MS

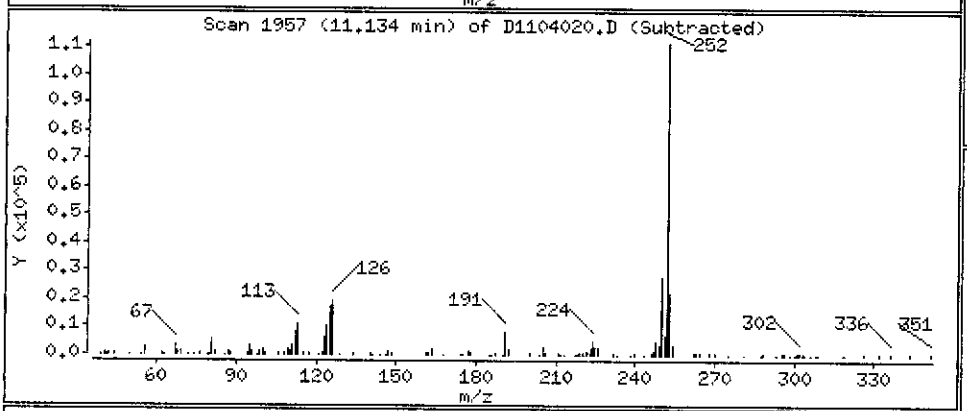
Column diameter: 0.32

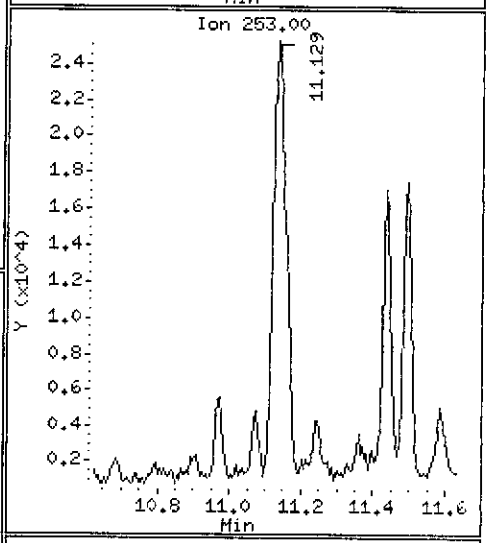
141 Benzo(b)fluoranthene

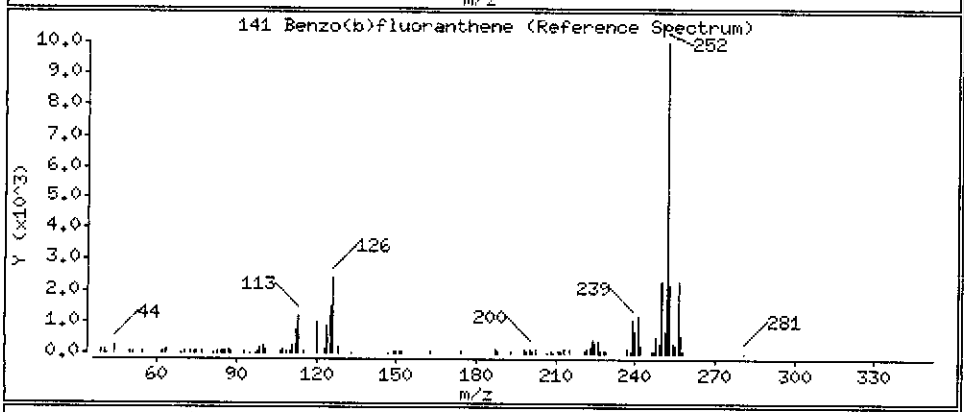
Concentration: 463.45 ug/kg

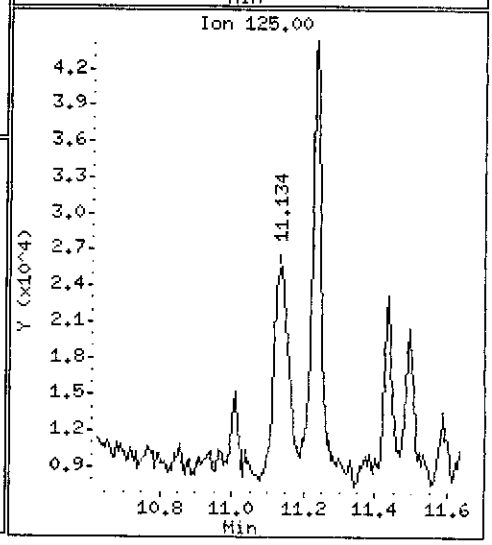


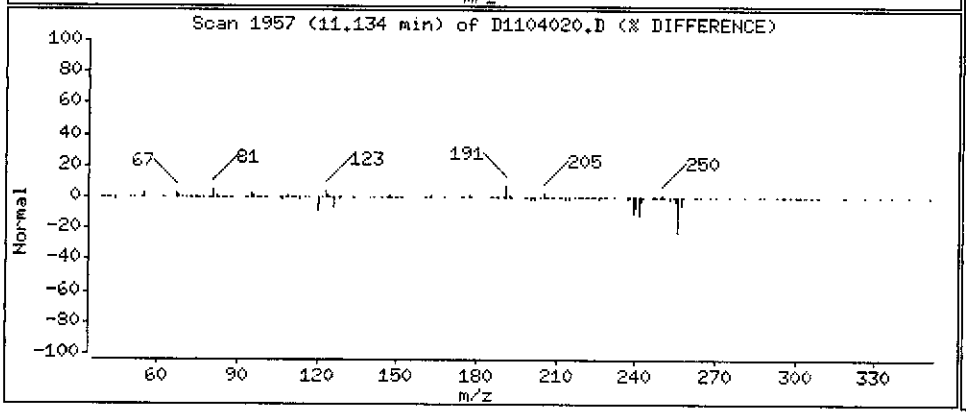












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104020.D

Date : 04-NOV-2010 18:48

Client ID: 20100841 SD10-03

Instrument: 732.i

Sample Info: c0k030562-006 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

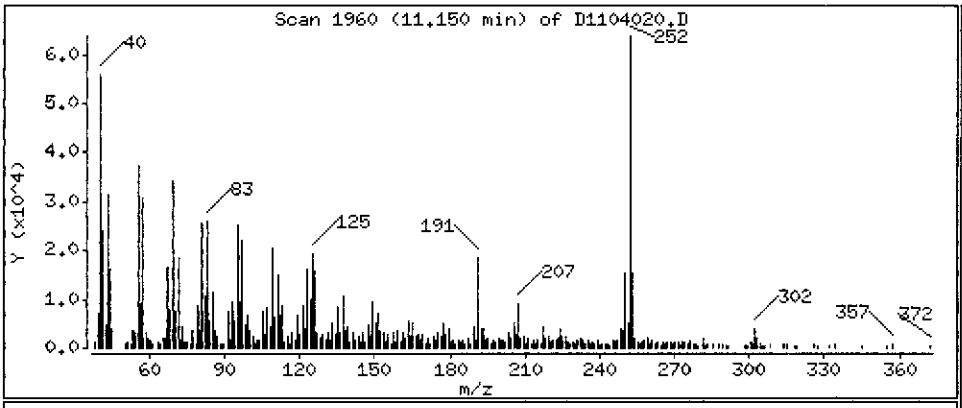
Operator: 430261nc

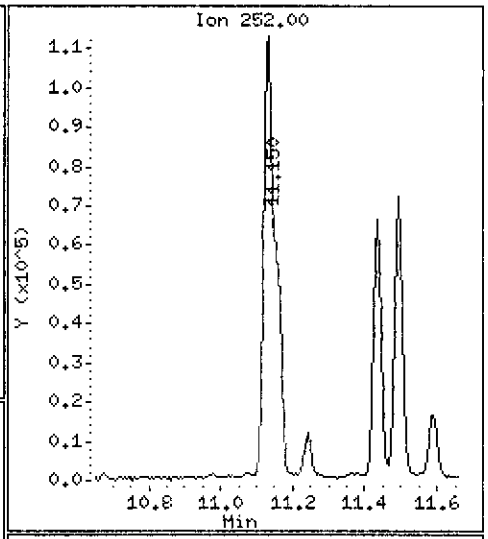
Column phase: DB5-MS

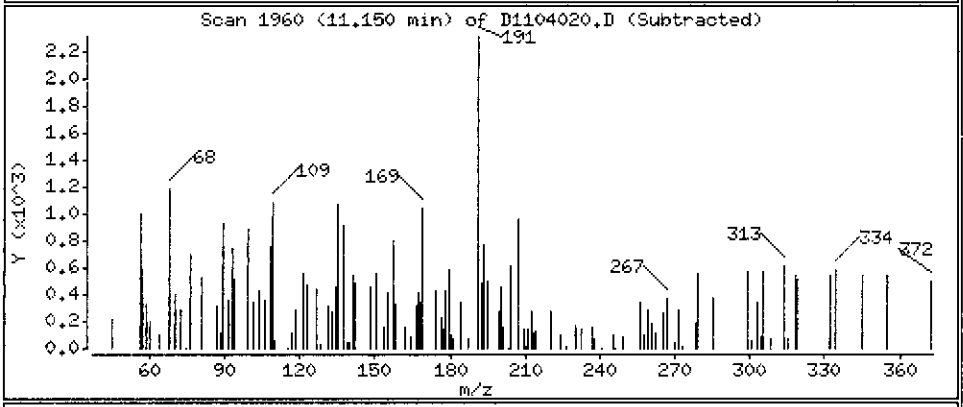
Column diameter: 0.32

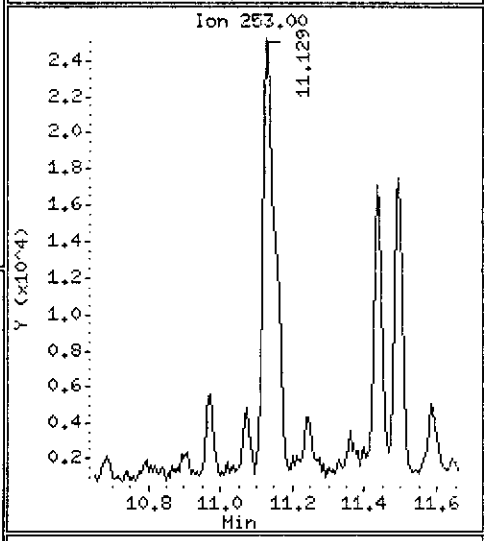
142 Benzo(k)fluoranthene

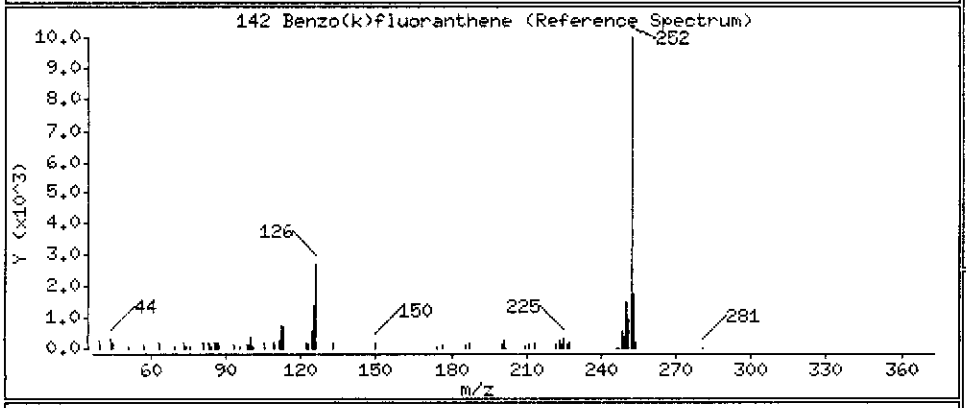
Concentration: 164.04 ug/kg

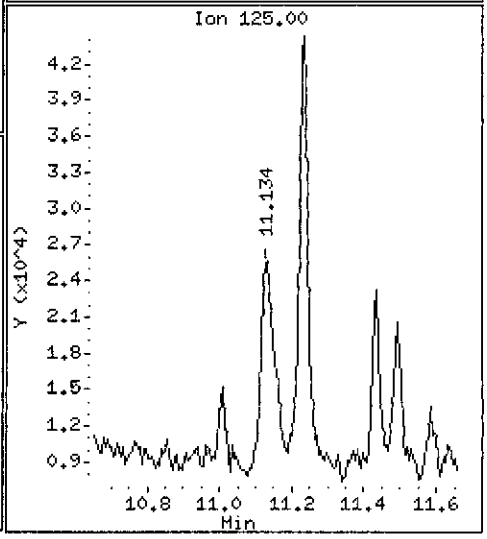


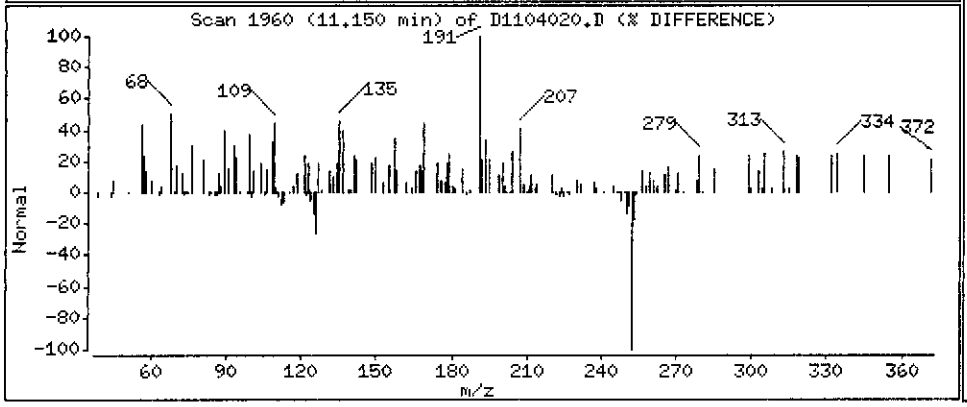












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104020.D

Date : 04-NOV-2010 18:48

Client ID: 20100841 SD10-03

Instrument: 732.i

Sample Info: c0k030562-006 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

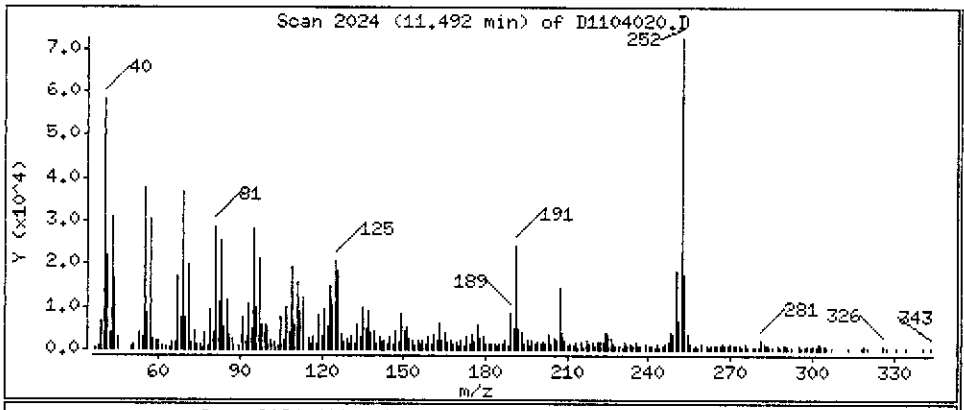
Operator: 430261nc

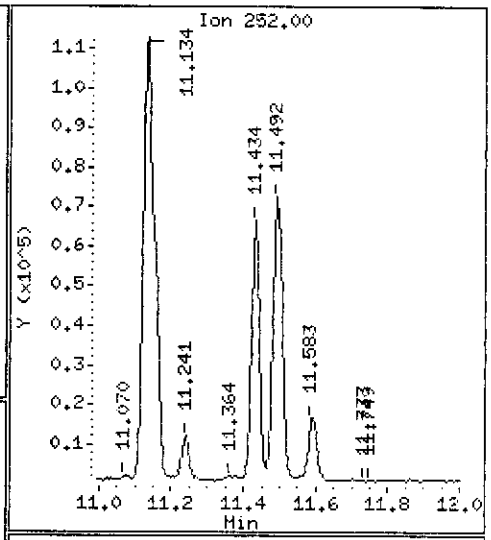
Column phase: DB5-MS

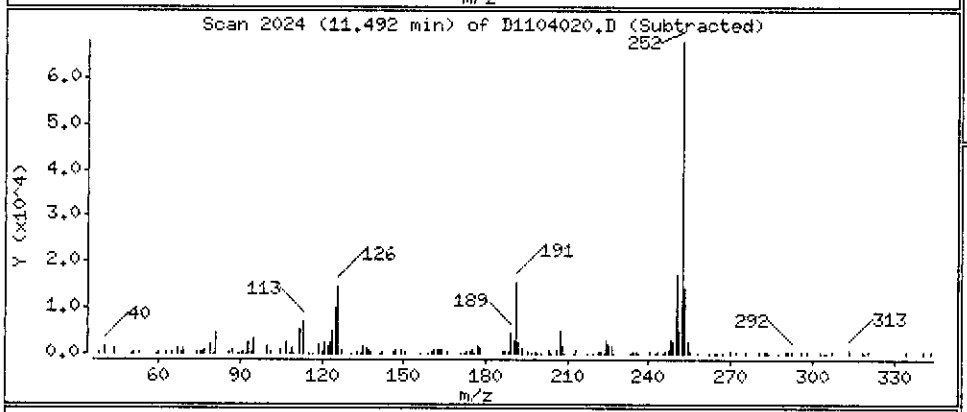
Column diameter: 0.32

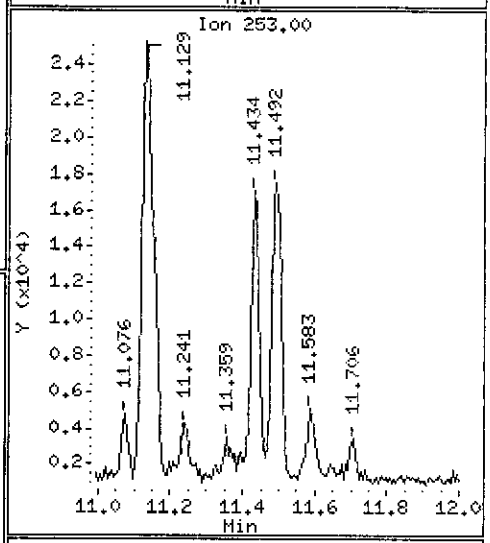
146 Benzo(a)pyrene

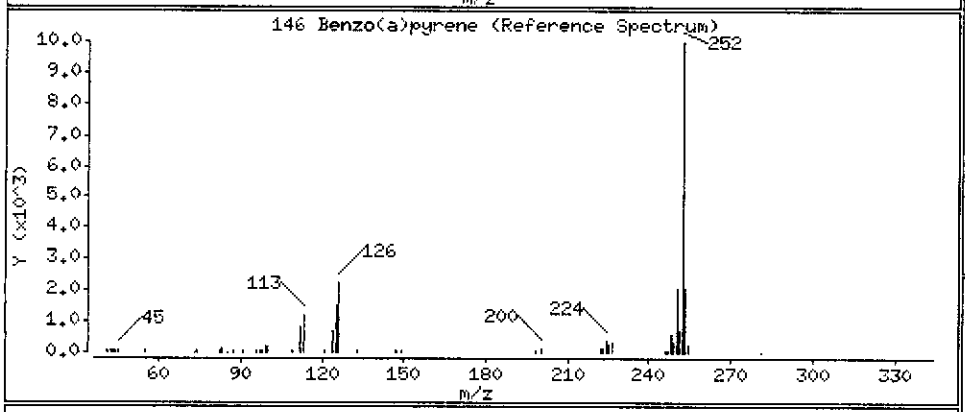
Concentration: 454.18 ug/kg

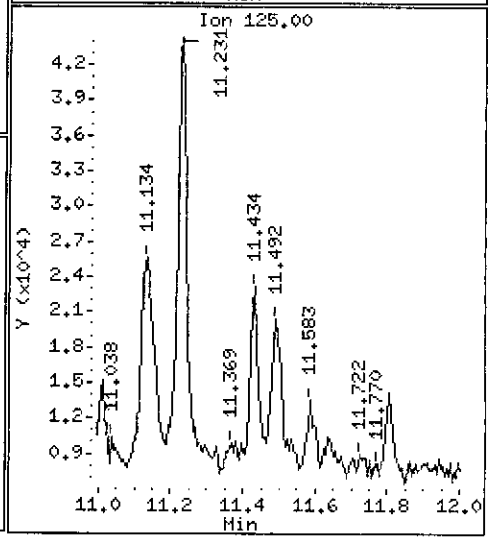


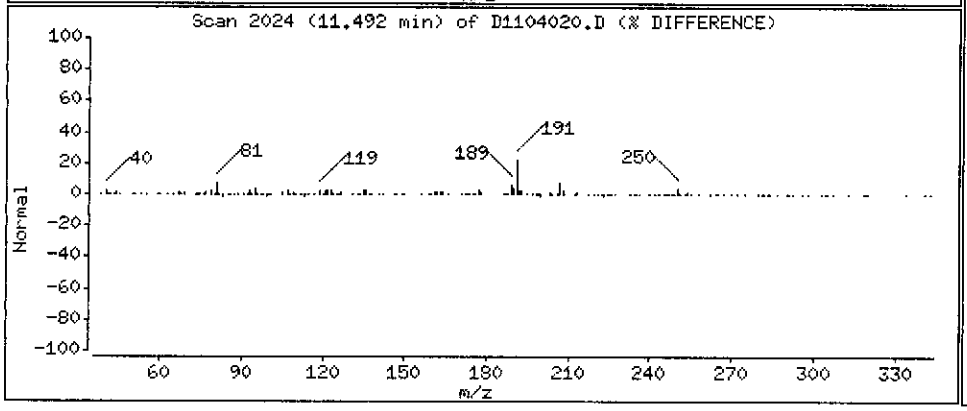












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104020.D

Date : 04-NOV-2010 18:48

Client ID: 20100841 SD10-03

Instrument: 732.i

Sample Info: c0k030562-006 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

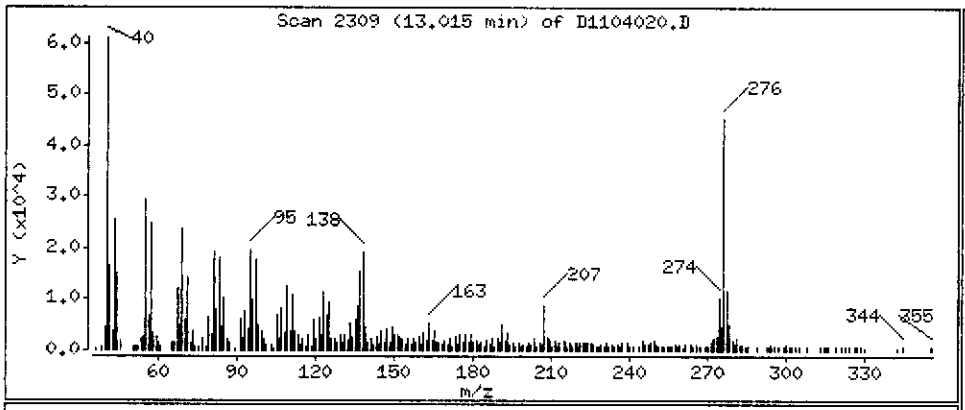
Operator: 430261nc

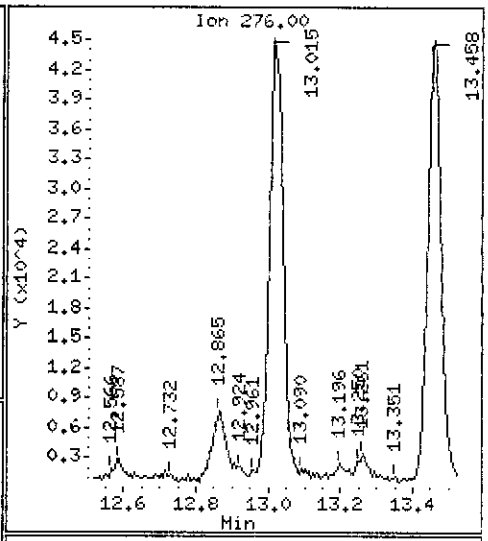
Column phase: DB5-MS

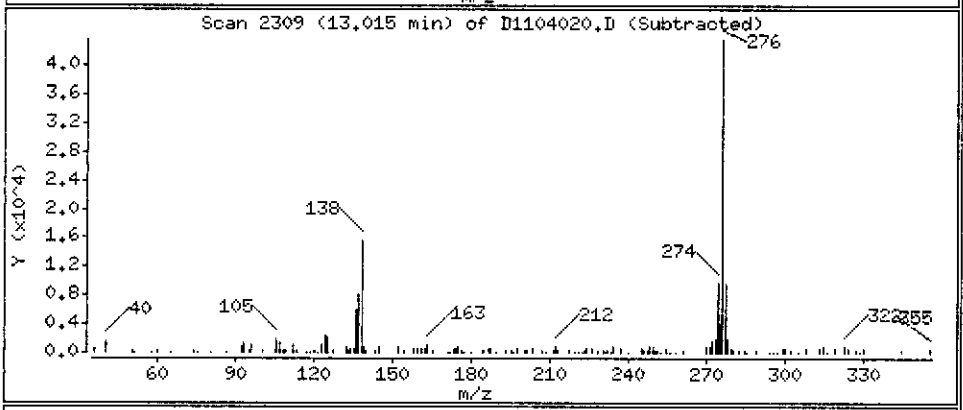
Column diameter: 0.32

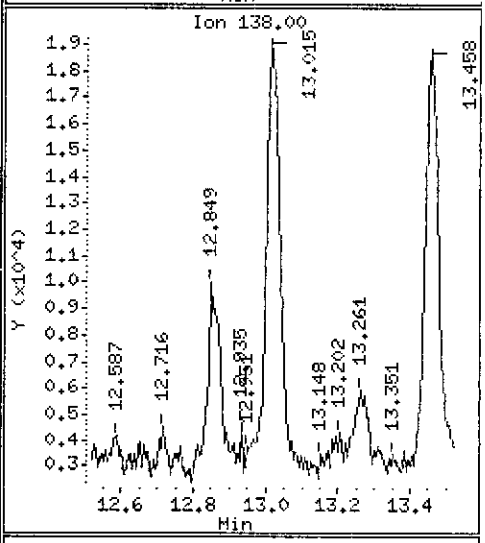
149 Indeno(1,2,3-cd)pyrene

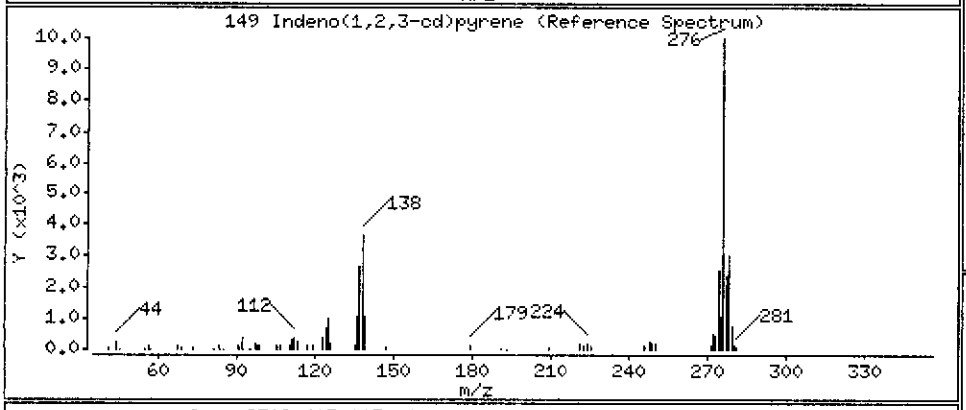
Concentration: 399.27 ug/kg

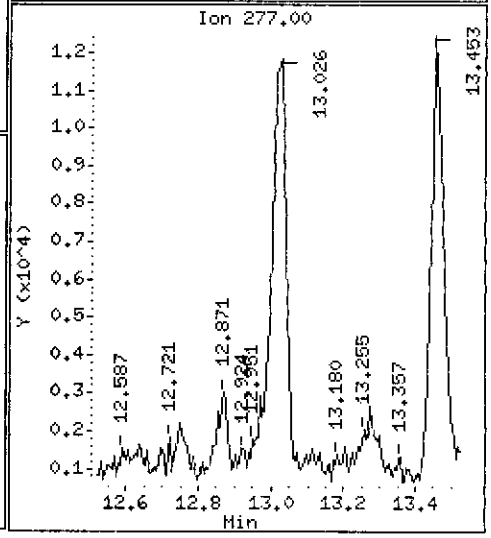


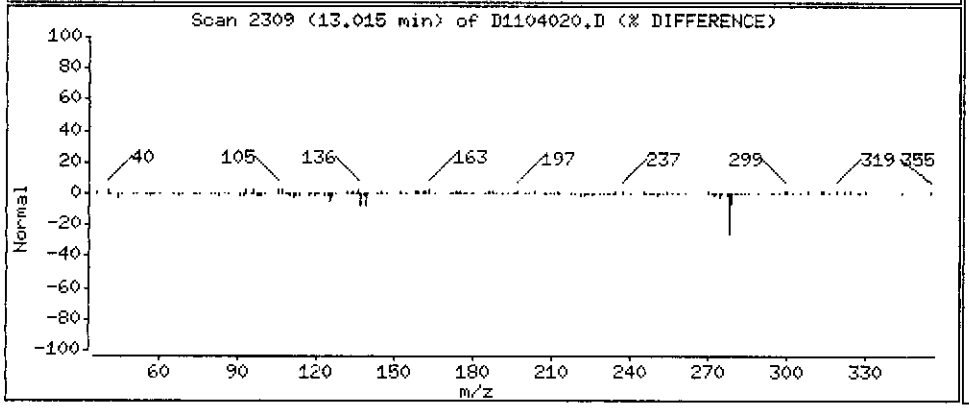












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104020.D

Date : 04-NOV-2010 18:48

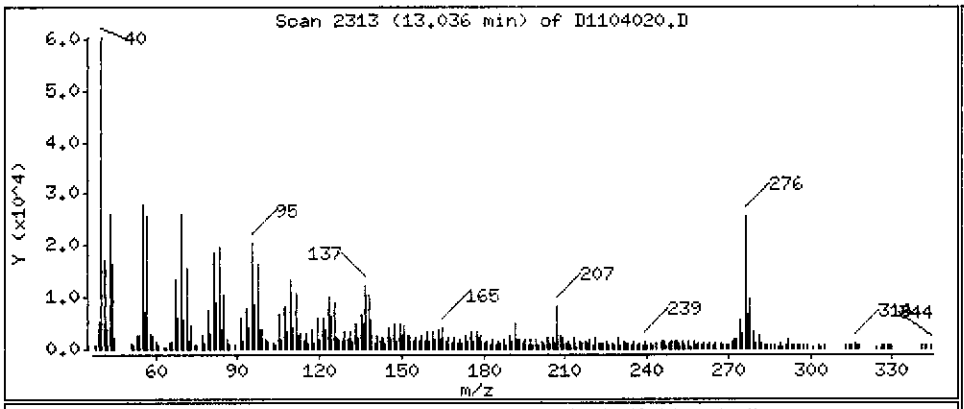
Client ID: 20100841 SD10-03 Instrument: 732.i

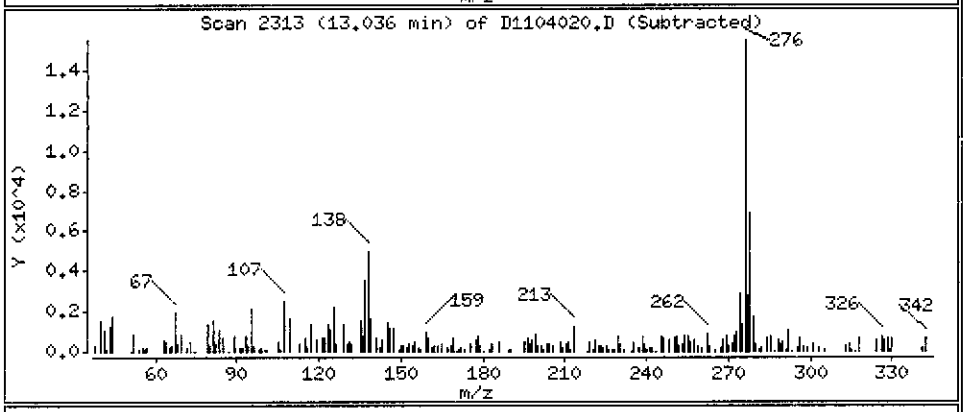
Sample Info: c0k030562-006 20x 11/04/10 sedS42(0308035)

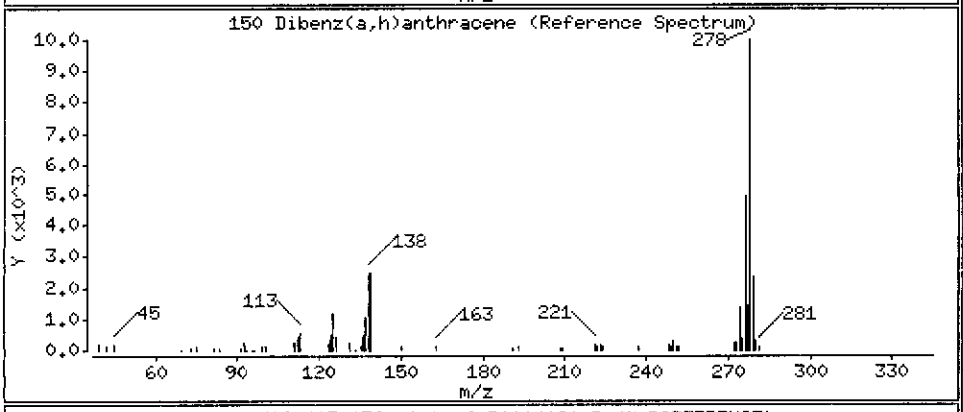
Volume Injected (uL): 2.0 Operator: 430261nc

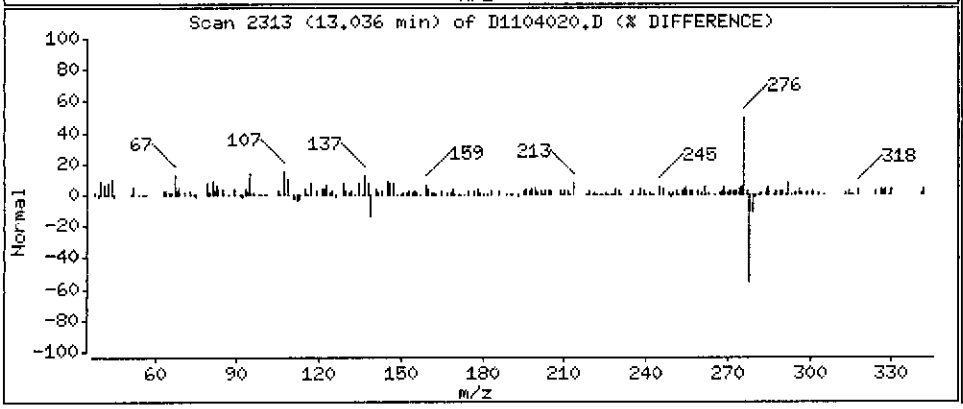
Column phase: DB5-MS Column diameter: 0.32

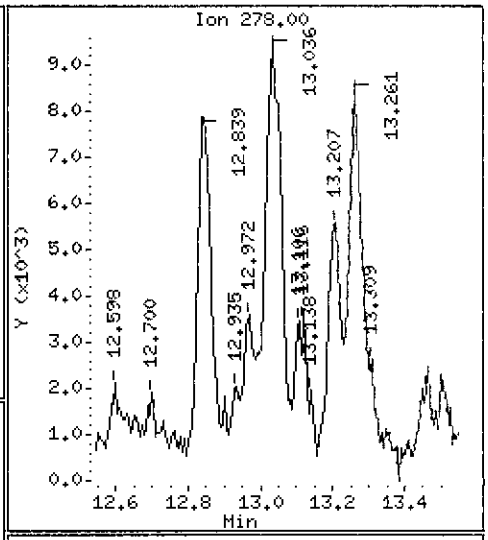
150 Dibenz(a,h)anthracene Concentration: 238.52 ug/kg

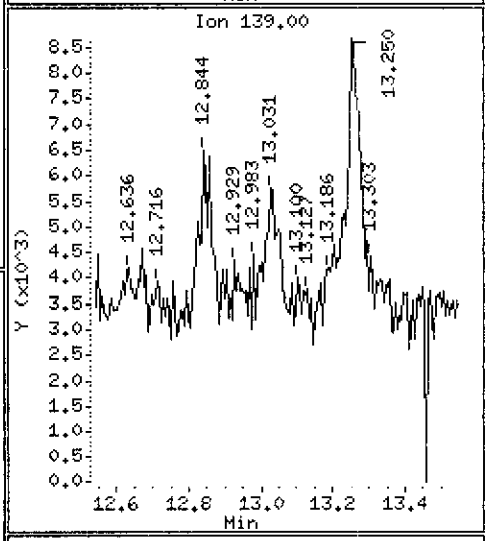


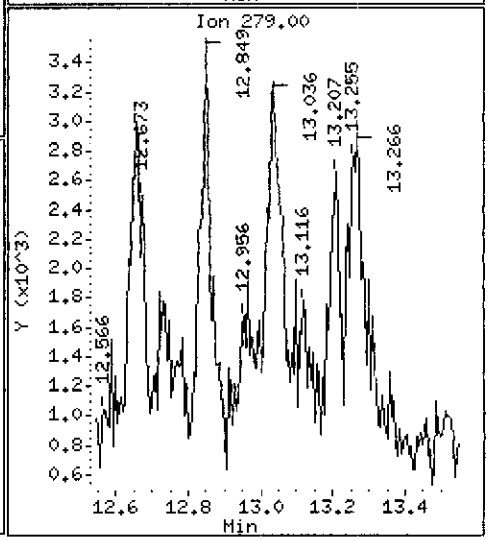












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104020.D

Date : 04-NOV-2010 18:48

Client ID: 20100841 SD10-03

Instrument: 732.i

Sample Info: c0k030562-006 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

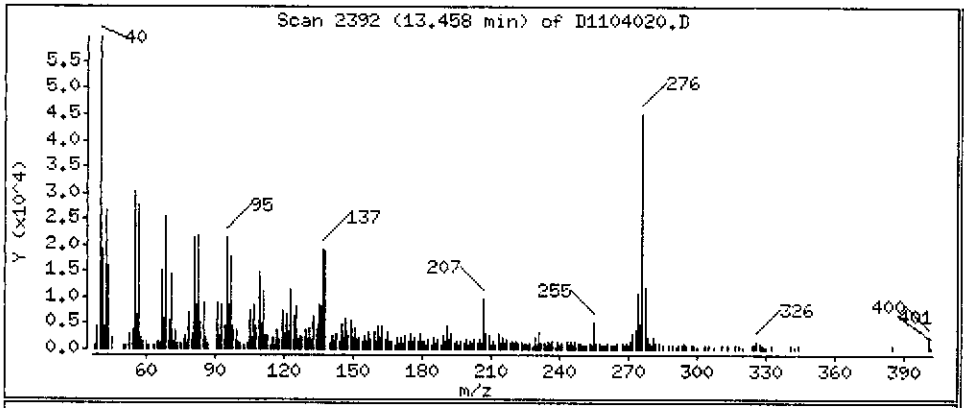
Operator: 430261nc

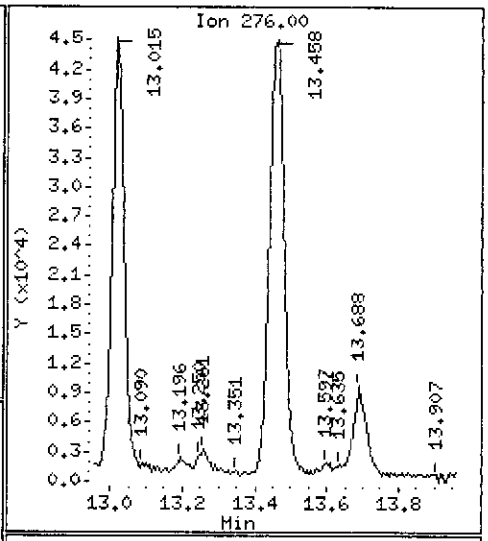
Column phase: DB5-MS

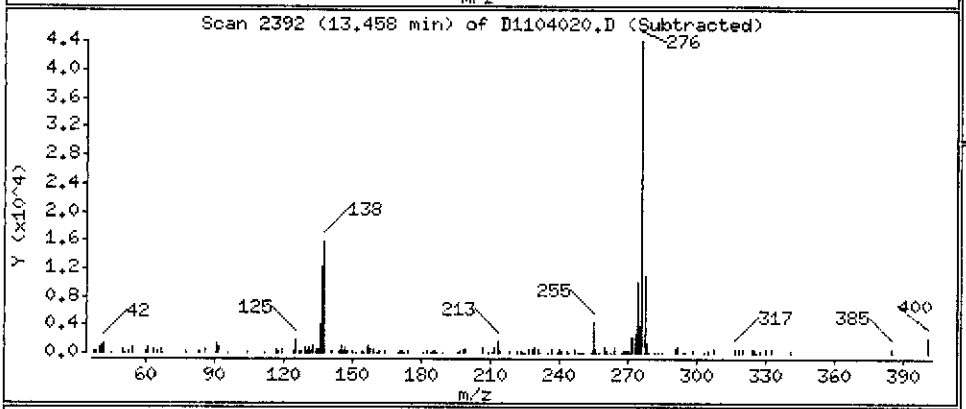
Column diameter: 0.32

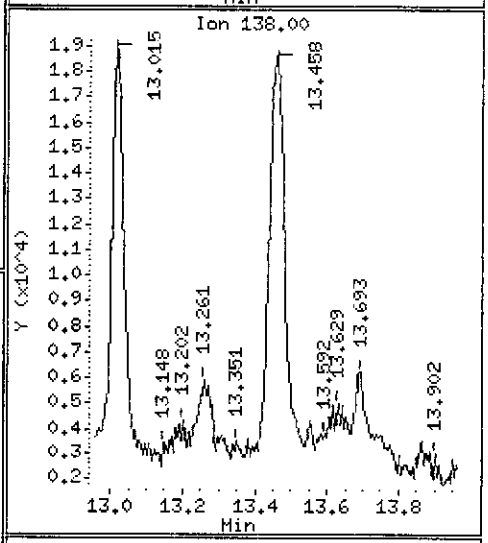
151 Benzo(g,h,i)perylene

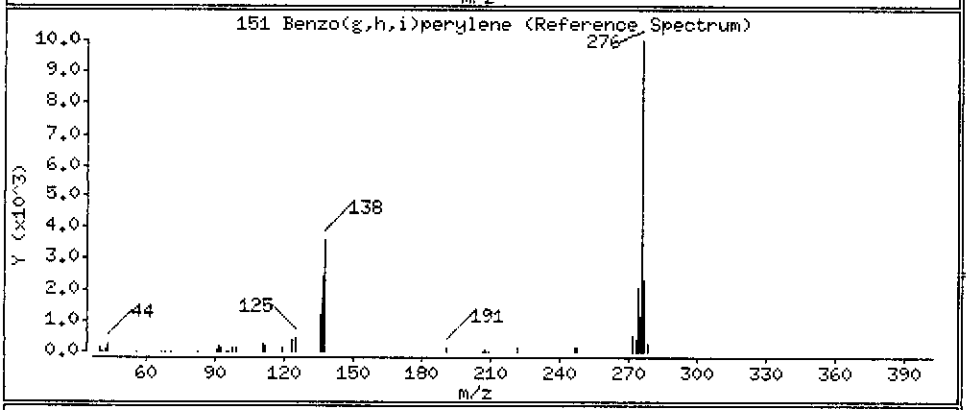
Concentration: 379.23 ug/kg

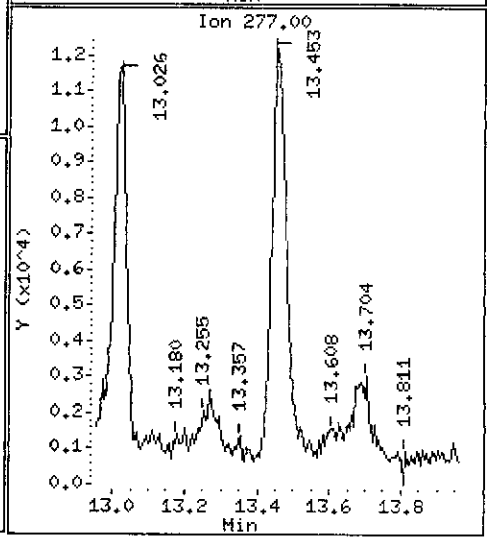


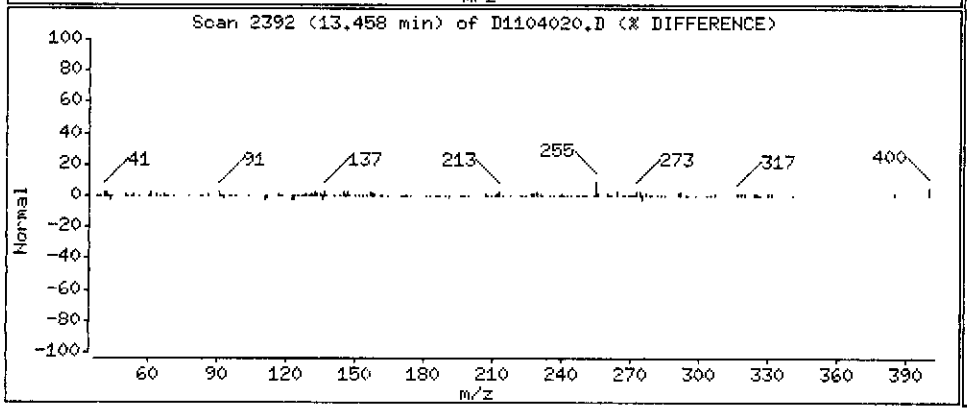




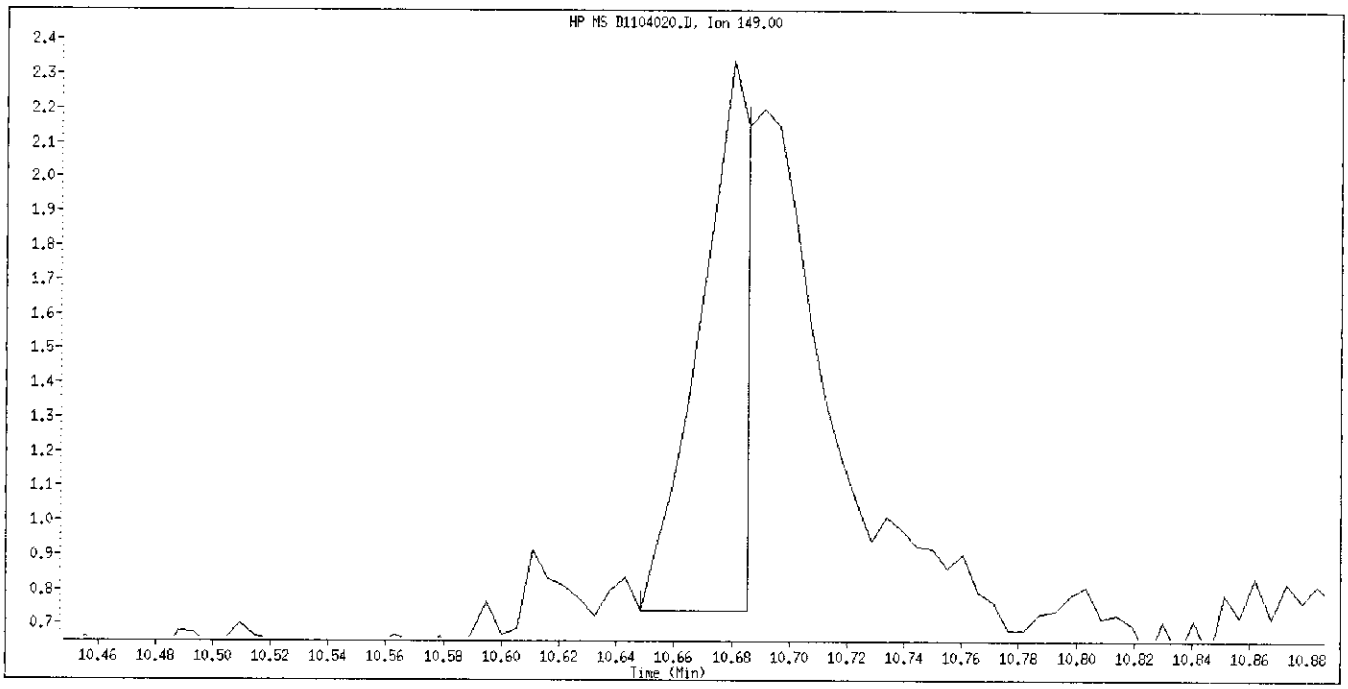




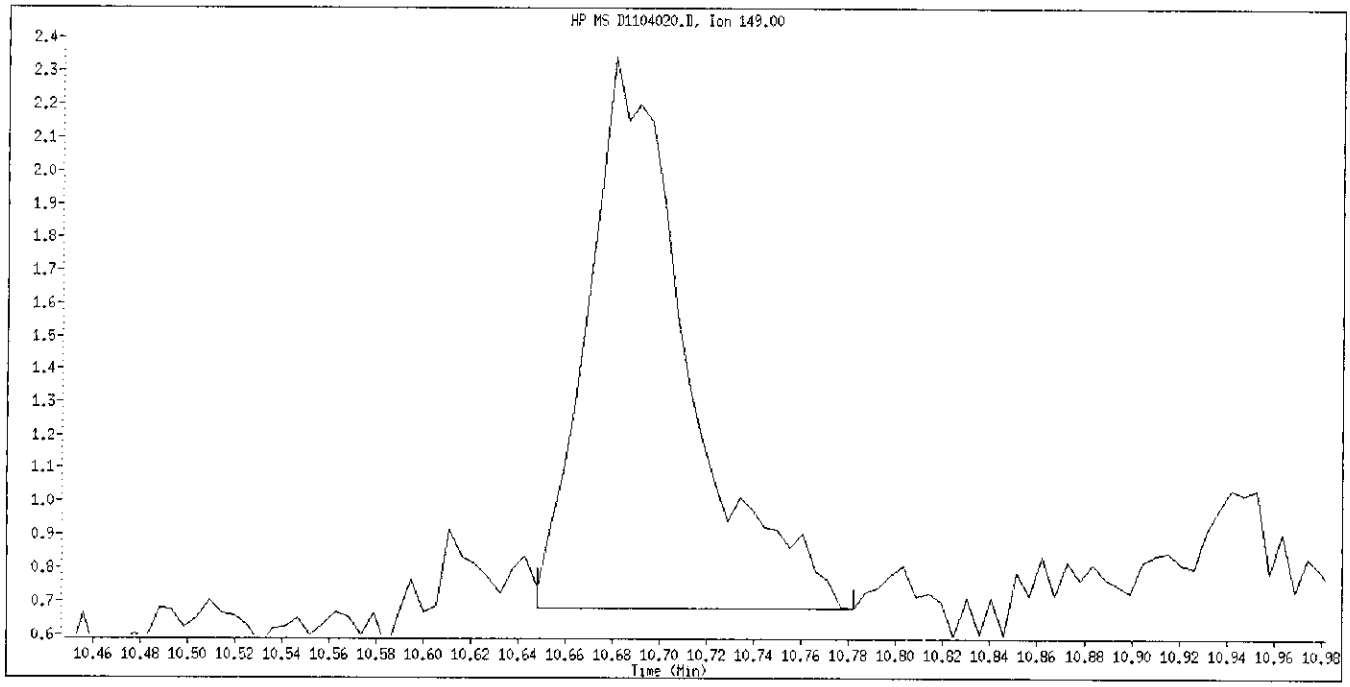




Data File Name: D1104020.D
Inj. Date and Time: 04-NOV-2010 18:48
Instrument ID: 732.i
Client ID: 20100841 SD10-03
Compound Name: Di-n-octylphthalate
CAS #: 117-84-0



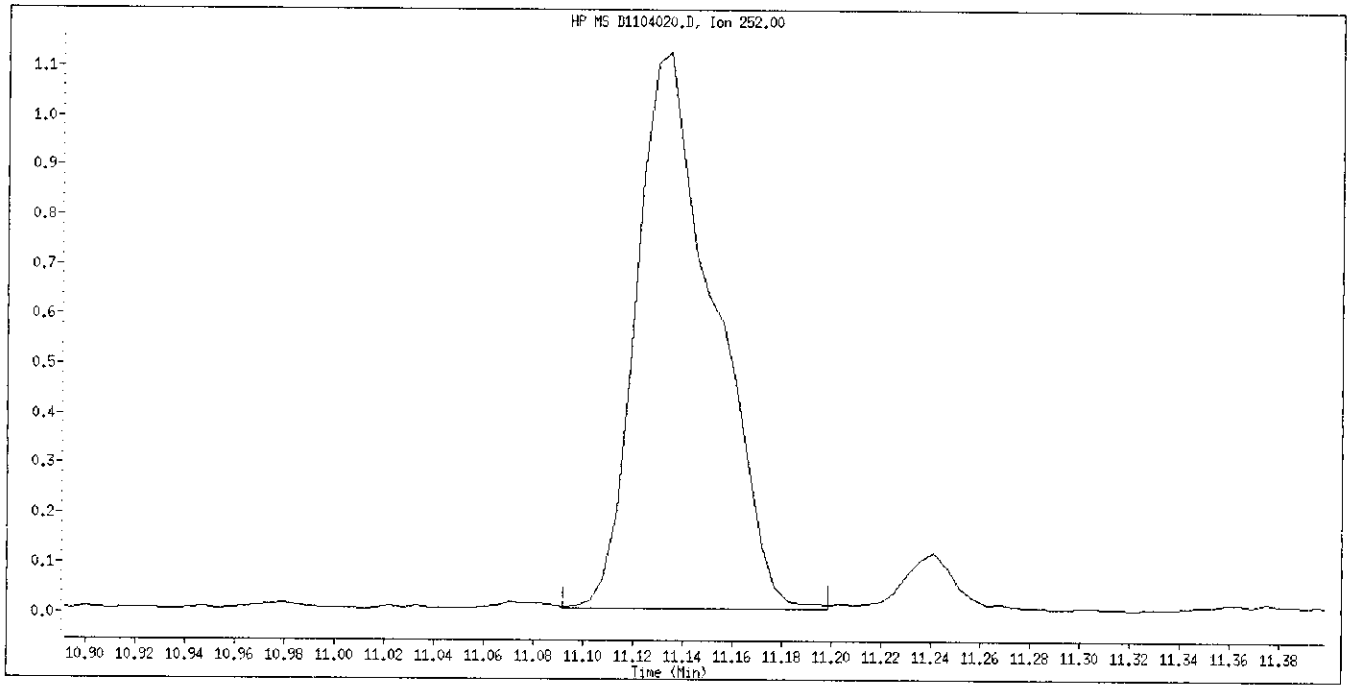
Original Integration



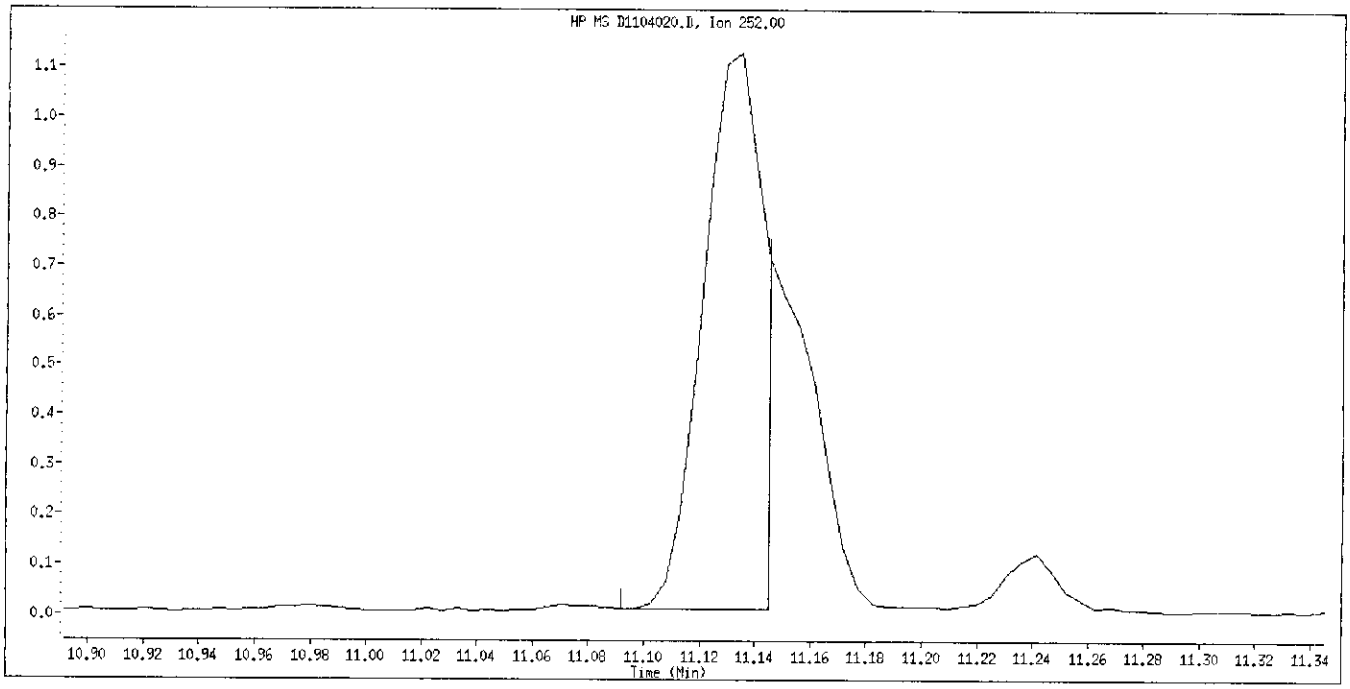
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1104020.D
Inj. Date and Time: 04-NOV-2010 18:48
Instrument ID: 732.i
Client ID: 20100841 SD10-03
Compound Name: Benzo(b)fluoranthene
CAS #: 205-99-2



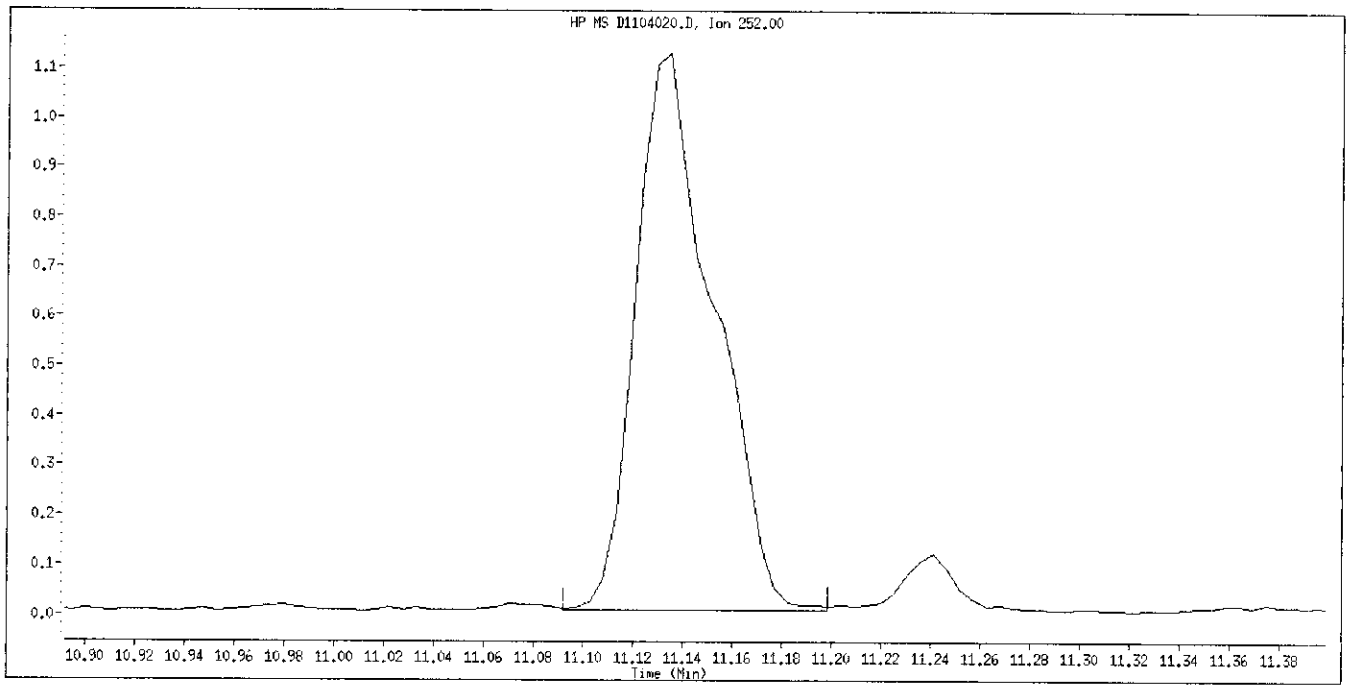
Original Integration



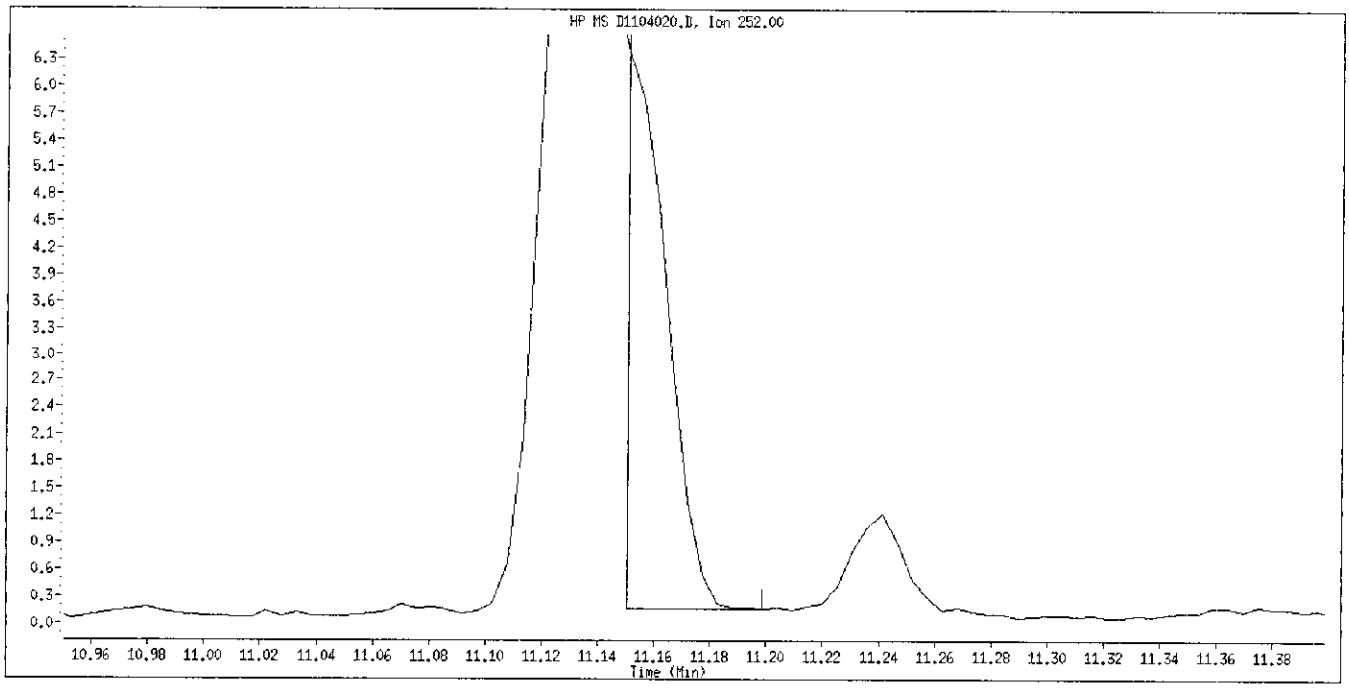
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1104020.D
Inj. Date and Time: 04-NOV-2010 18:48
Instrument ID: 732.i
Client ID: 20100841 SD10-03
Compound Name: Benzo(k)fluoranthene
CAS #: 207-08-9



Original Integration



Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Leo Brausch Consulting

Client Sample ID: 20100842 SD10-04

GC/MS Semivolatiles

Lot-Sample #...:	C0K030562-007	**Work Order #...:**	L9HJF1AK	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308011
Prep Date.....:	11/04/10	**Analysis Date..:**	11/04/10		
Prep Batch #...:	0308035	**Analysis Time..:**	19:27		
Dilution Factor:	9.9	**Initial Wgt/Vol:**	30.3 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	70	**Analyst ID.....:**	430261	**Instrument ID..:**	732
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**28 J**	**220**	**ug/kg**	**21**
Acenaphthylene	ND	220	ug/kg	26
Acetophenone	ND	1100	ug/kg	92
Anthracene	**89 J**	**220**	**ug/kg**	**22**
Atrazine	ND	1100	ug/kg	110
Benzo(a)anthracene	**470**	**220**	**ug/kg**	**28**
Benzo(a)pyrene	**1100**	**220**	**ug/kg**	**22**
Benzo(b)fluoranthene	**990**	**220**	**ug/kg**	**35**
Benzo(ghi)perylene	**890**	**220**	**ug/kg**	**22**
Benzo(k)fluoranthene	**300**	**220**	**ug/kg**	**45**
Benzaldehyde	ND	1100	ug/kg	170
1,1'-Biphenyl	ND	1100	ug/kg	100
bis(2-Chloroethoxy) methane	ND	1100	ug/kg	74
bis(2-Chloroethyl)-ether	ND	220	ug/kg	30
bis(2-Ethylhexyl) phthalate	**800 J**	**1100**	**ug/kg**	**180**
4-Bromophenyl phenyl ether	ND	1100	ug/kg	97
Butyl benzyl phthalate	ND	1100	ug/kg	150
Caprolactam	ND	5700	ug/kg	860
Carbazole	**78 J**	**220**	**ug/kg**	**21**
4-Chloroaniline	ND	1100	ug/kg	90
4-Chloro-3-methylphenol	ND	1100	ug/kg	100
2-Chloronaphthalene	ND	220	ug/kg	23
2-Chlorophenol	ND	1100	ug/kg	91
4-Chlorophenyl phenyl ether	ND	1100	ug/kg	120
Chrysene	**770**	**220**	**ug/kg**	**27**
Dibenz(a,h)anthracene	**690**	**220**	**ug/kg**	**25**
Dibenzofuran	ND	1100	ug/kg	110
3,3'-Dichlorobenzidine	ND	1100	ug/kg	120
2,4-Dichlorophenol	ND	220	ug/kg	22
Diethyl phthalate	ND	1100	ug/kg	120
2,4-Dimethylphenol	ND	1100	ug/kg	170
Dimethyl phthalate	ND	1100	ug/kg	120

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100842 SD10-04

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-007 **Work Order #...:** L9HJF1AK **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	1100	ug/kg	140
4,6-Dinitro-2-methylphenol	ND	5700	ug/kg	450
2,4-Dinitrophenol	ND	5700	ug/kg	1300
2,4-Dinitrotoluene	ND	1100	ug/kg	90
2,6-Dinitrotoluene	ND	1100	ug/kg	120
Di-n-octyl phthalate	ND	1100	ug/kg	120
Fluoranthene	**1300**	**220**	**ug/kg**	**24**
Fluorene	ND	220	ug/kg	29
Hexachlorobenzene	ND	220	ug/kg	24
Hexachlorobutadiene	ND	220	ug/kg	25
Hexachlorocyclopentadiene	ND	1100	ug/kg	120
Hexachloroethane	ND	1100	ug/kg	80
Indeno(1,2,3-cd)pyrene	**980**	**220**	**ug/kg**	**23**
Isophorone	ND	1100	ug/kg	84
2-Methylnaphthalene	ND	220	ug/kg	20
2-Methylphenol	ND	1100	ug/kg	78
4-Methylphenol	ND	1100	ug/kg	110
Naphthalene	ND	220	ug/kg	19
2-Nitroaniline	ND	5700	ug/kg	500
3-Nitroaniline	ND	5700	ug/kg	460
4-Nitroaniline	ND	5700	ug/kg	450
Nitrobenzene	ND	220	ug/kg	93
2-Nitrophenol	ND	1100	ug/kg	120
4-Nitrophenol	ND	5700	ug/kg	380
N-Nitrosodi-n-propylamine	ND	220	ug/kg	26
N-Nitrosodiphenylamine	ND	220	ug/kg	100
2,2'-oxybis (1-Chloropropane)	ND	220	ug/kg	24
Pentachlorophenol	ND	1100	ug/kg	100
Phenanthrene	**410**	**220**	**ug/kg**	**36**
Phenol	ND	220	ug/kg	26
Pyrene	**920**	**220**	**ug/kg**	**23**
2,4,5-Trichlorophenol	ND	1100	ug/kg	120
2,4,6-Trichlorophenol	ND	1100	ug/kg	170

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100842 SD10-04

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-007 **Work Order #...:** L9HJF1AK **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	NC,DIL	(27 - 110)
Terphenyl-d14	NC,DIL	(21 - 130)
2-Fluorobiphenyl	NC,DIL	(28 - 108)
2-Fluorophenol	NC,DIL	(28 - 107)
Phenol-d5	NC,DIL	(30 - 112)
2,4,6-Tribromophenol	NC,DIL	(21 - 116)

NOTE(S):

NC The recovery and/or RPD were not calculated.

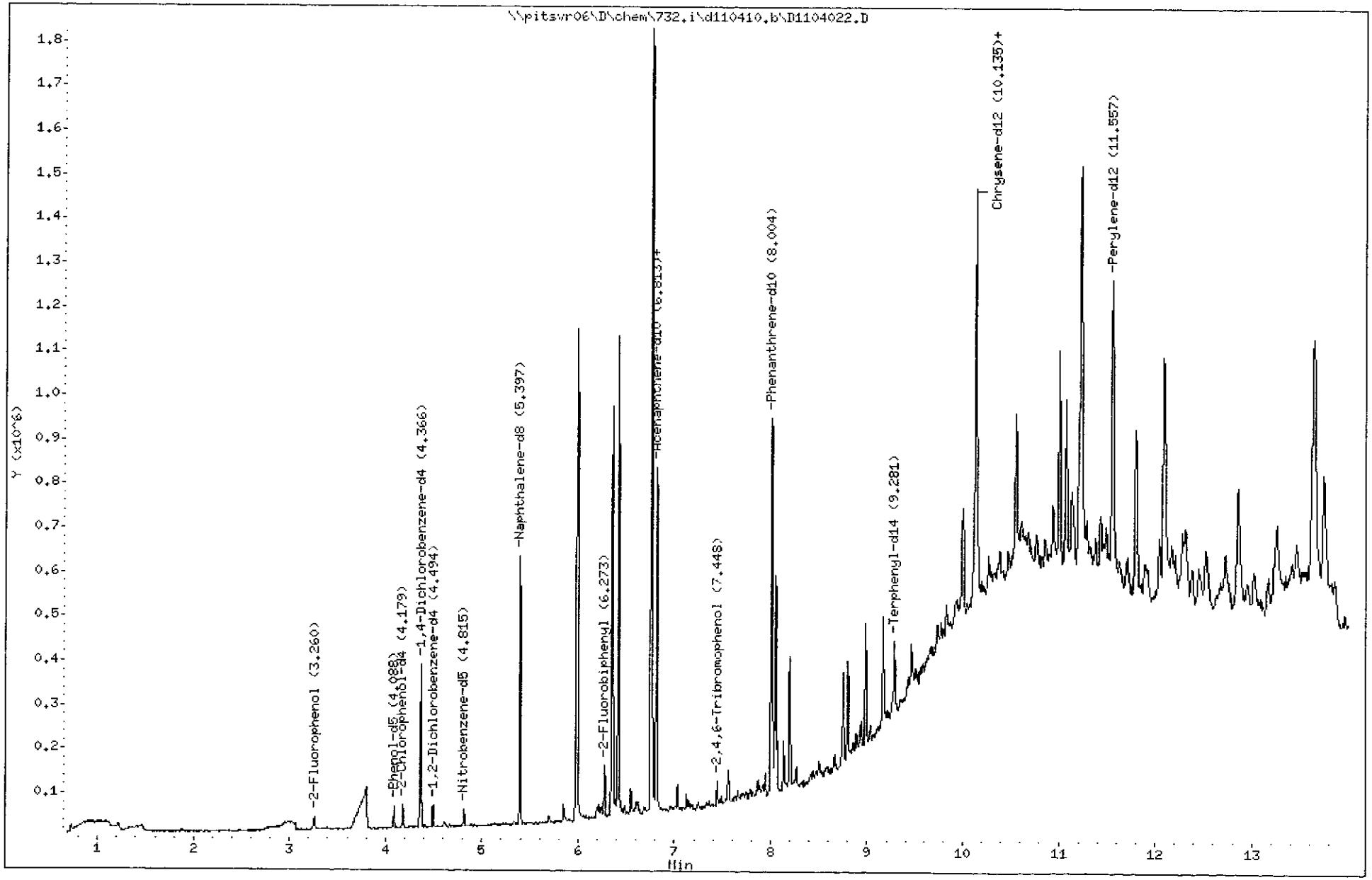
DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104022.D
Date : 04-NOV-2010 19:27
Client ID: 20100842 SD10-04
Sample Info: c0k030562-007 20x 11/04/10 sedS42(0308035)
Volume Injected (uL): 2.0
Column phase: DB5-MS

Instrument: 732.i
Operator: 430261nc
Column diameter: 0.32



(1001 - 1489)
1186
C0K030562

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d110410.b\D1104022.D
Lab Smp Id: l9hjf1ak Client Smp ID: 20100842 SD10-04
Inj Date : 04-NOV-2010 19:27
Operator : 430261nc Inst ID: 732.i
Smp Info : c0k030562-007 20x 11/04/10 sedS42(0308035)
Misc Info : l9hjf1ak,d110410.b,ll.m,3-root.sub
Comment :
Method : \\pitsvr06\D\chem\732.i\d110410.b\ll.m
Meth Date : 08-Nov-2010 18:58 campisin Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 24
Dil Factor: 20.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws)*1 * CpndVariable

Name	Value	Description
DF	20.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.300	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
* 1	1,4-Dichlorobenzene-d4	152	4.365	4.382	(1.000)	53970	8.00000	
* 2	Naphthalene-d8	136	5.396	5.407	(1.000)	242151	8.00000	
* 3	Acenaphthene-d10	164	6.812	6.823	(1.000)	172800	8.00000	
* 4	Phenanthrene-d10	188	8.003	8.014	(1.000)	314983	8.00000	
* 5	Chrysene-d12	240	10.140	10.140	(1.000)	375893	8.00000	
* 6	Perylene-d12	264	11.556	11.556	(1.000)	397297	8.00000	
198	1,4-Dioxane	88	Compound Not Detected.					
10	N-Nitrosodimethylamine	74	Compound Not Detected.					
9	Pyridine	79	Compound Not Detected.					
16	Methyl methanesulfonate	80	Compound Not Detected.					
206	Benzaldehyde	77	Compound Not Detected.					
21	Aniline	93	Compound Not Detected.					
22	Phenol	94	Compound Not Detected.					
23	bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24	2-Chlorophenol	128	Compound Not Detected.					
26	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
28	1,2-Dichlorobenzene	146	Compound Not Detected.					
29	Benzyl Alcohol	108	Compound Not Detected.					
217	Indene	116	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
30	2-Methylphenol	108	Compound Not Detected.					
31	2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
36	N-Nitrosopyrrolidine	100	Compound Not Detected.					
37	Acetophenone	105	Compound Not Detected.					
32	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192	4-Methylphenol	108	Compound Not Detected.					
34	Hexachloroethane	117	Compound Not Detected.					
35	Nitrobenzene	77	Compound Not Detected.					
41	Isophorone	82	Compound Not Detected.					
42	2-Nitrophenol	139	Compound Not Detected.					
43	2,4-Dimethylphenol	107	Compound Not Detected.					
44	bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48	2,4-Dichlorophenol	162	Compound Not Detected.					
49	Benzoic Acid	122	Compound Not Detected.					
50	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51	Naphthalene	128	Compound Not Detected.					
52	4-Chloroaniline	127	Compound Not Detected.					
54	2,6-Dichlorophenol	162	Compound Not Detected.					
56	Hexachlorobutadiene	224	Compound Not Detected.					
208	Caprolactam	113	Compound Not Detected.					
59	4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62	2-Methylnaphthalene	142	Compound Not Detected.					
63	1-Methylnaphthalene	142	Compound Not Detected.					
64	Hexachlorocyclopentadiene	236	Compound Not Detected.					
65	1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66	2,4,6-Trichlorophenol	196	Compound Not Detected.					
67	2,4,5-Trichlorophenol	196	Compound Not Detected.					
209	1,1'-Biphenyl	154	Compound Not Detected.					
70	2-Chloronaphthalene	162	Compound Not Detected.					
73	2-Nitroaniline	65	Compound Not Detected.					
76	Dimethylphthalate	163	Compound Not Detected.					
78	2,6-Dinitrotoluene	165	Compound Not Detected.					
79	Acenaphthylene	152	Compound Not Detected.					
81	3-Nitroaniline	138	Compound Not Detected.					
82	Acenaphthene	153	6.839	6.850	(1.004)	1099	0.04938	8.1484(Q)
83	2,4-Dinitrophenol	184	Compound Not Detected.					
85	4-Nitrophenol	109	Compound Not Detected.					
86	Dibenzofuran	168	6.978	6.989	(1.024)	1617	0.04786	7.8983
87	2,4-Dinitrotoluene	165	Compound Not Detected.					
91	2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88	2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92	2-Naphthylamine	143	Compound Not Detected.					
93	Diethylphthalate	149	Compound Not Detected.					
94	Fluorene	166	Compound Not Detected.					
95	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96	4-Nitroaniline	138	Compound Not Detected.					
98	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99	N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100	1,2-Diphenylhydrazine	77	Compound Not Detected.					
106	4-Bromophenyl-phenylether	248	Compound Not Detected.					
107	Hexachlorobenzene	283	Compound Not Detected.					
210	Atrazine	200	Compound Not Detected.					
111	Pentachlorophenol	265	Compound Not Detected.					
115	Phenanthrene	178	8.025	8.030	(1.003)	32667	0.74131	122.33

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)
116 Anthracene	178	8.068	8.073	(1.008)	6899	0.15989	26.385
119 Carbazole	167	8.190	8.196	(1.023)	5668	0.13883	22.909(Q)
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	8.981	8.987	(1.122)	103568	2.24150	369.88
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	9.163	9.168	(0.904)	93523	1.64104	270.80
131 Butylbenzylphthalate	149	9.660	9.665	(0.953)	4007	0.15772	26.027(Q)
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	10.130	10.130	(0.999)	40791	0.83373	137.58
137 Chrysene	228	10.162	10.162	(1.002)	73671	1.37028	226.12
139 bis(2-ethylhexyl)Phthalate	149	10.119	10.124	(0.998)	47257	1.43720	237.16
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	11.129	11.129	(0.963)	105511	1.77667	293.18(M)
142 Benzo(k)fluoranthene	252	11.150	11.155	(0.965)	34266	0.52887	87.273(QM)
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	11.492	11.497	(0.994)	63502	1.98702	327.89
149 Indeno(1,2,3-cd)pyrene	276	13.020	13.020	(1.127)	58634	1.75673	289.89
150 Dibenz(a,h)anthracene	278	13.036	13.047	(1.128)	12854	1.23850	204.37
151 Benzo(g,h,i)perylene	276	13.458	13.458	(1.165)	75253	1.59122	262.58
$ 154 Nitrobenzene-d5	82	4.814	4.825	(0.892)	11825	1.42936	235.87
$ 155 2-Fluorobiphenyl	172	6.273	6.283	(0.921)	30353	1.31417	216.86
$ 156 Terphenyl-d14	244	9.280	9.280	(0.915)	39805	1.18248	195.13
$ 157 Phenol-d5	99	4.088	4.098	(0.936)	16117	1.86275	307.38
$ 158 2-Fluorophenol	112	3.265	3.281	(0.748)	10397	1.77619	293.10
$ 159 2,4,6-Tribromophenol	330	7.448	7.453	(0.931)	4975	1.49811	247.21
$ 186 2-Chlorophenol-d4	132	4.178	4.195	(0.957)	14425	1.72318	284.35
$ 187 1,2-Dichlorobenzene-d4	152	4.494	4.504	(1.029)	7925	1.21663	200.76

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104022.D

Date : 04-NOV-2010 19:27

Client ID: 20100842 SD10-04

Instrument: 732.i

Sample Info: c0k030562-007 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

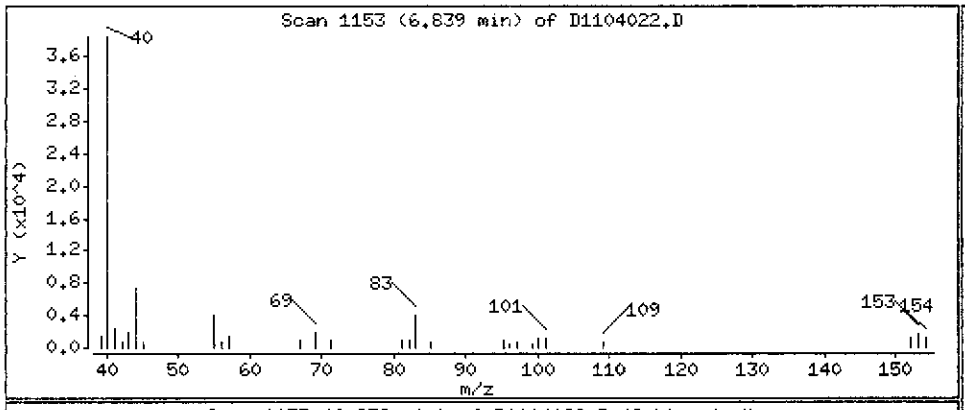
Operator: 430261nc

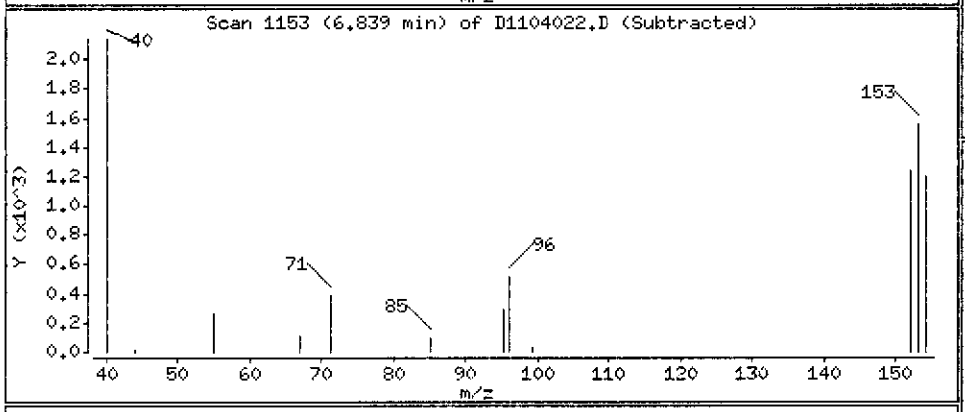
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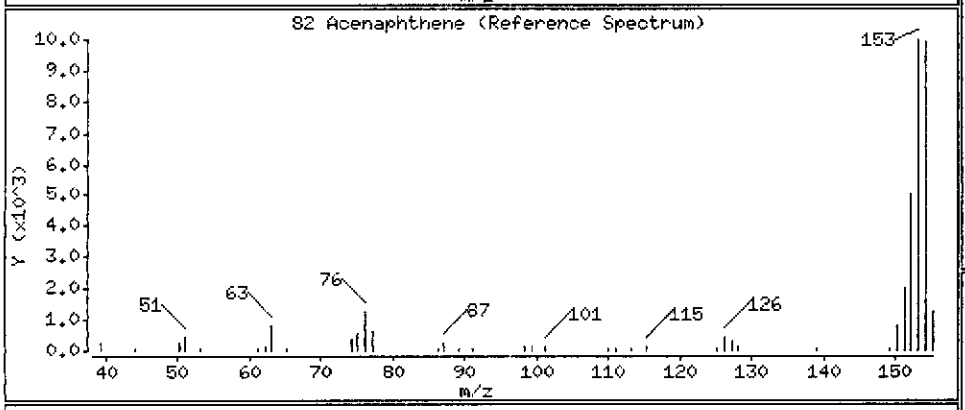
Column diameter: 0.32

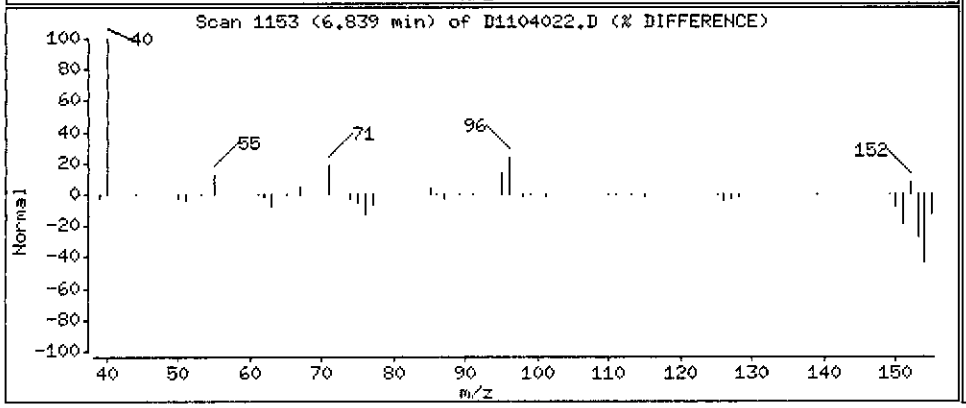
82 Acenaphthene

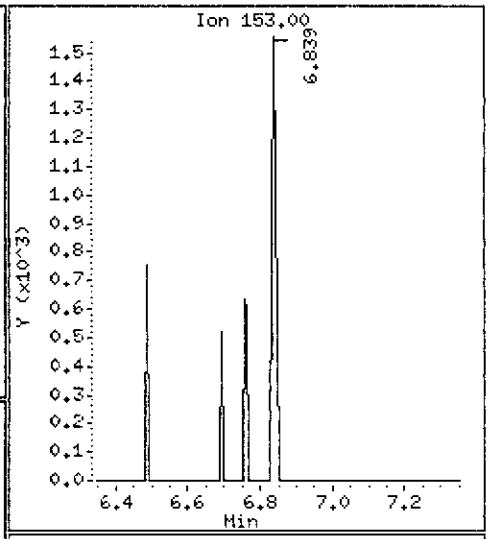
Concentration: 8.1484 ug/kg

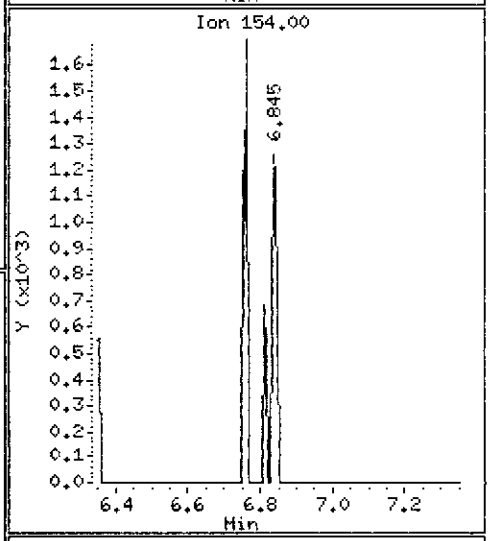


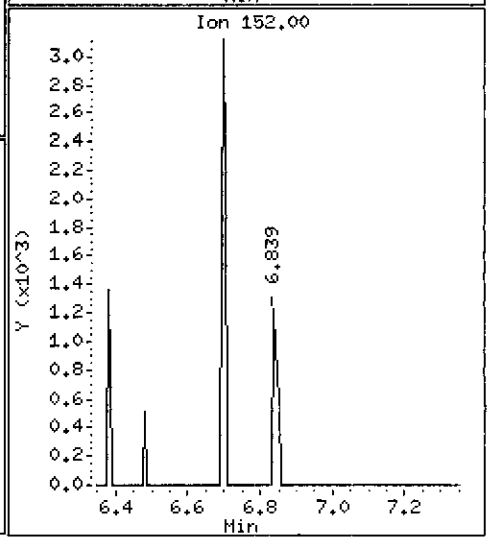












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104022.D

Date : 04-NOV-2010 19:27

Client ID: 20100842 SD10-04

Instrument: 732.i

Sample Info: c0k030562-007 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

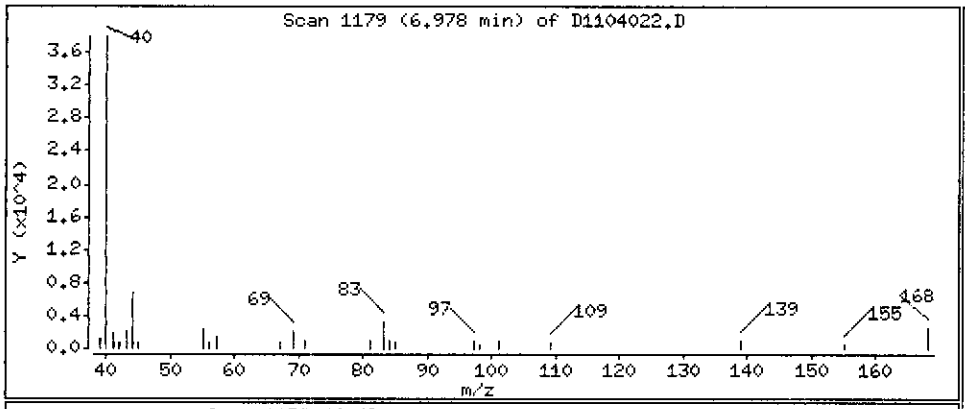
Operator: 430261nc

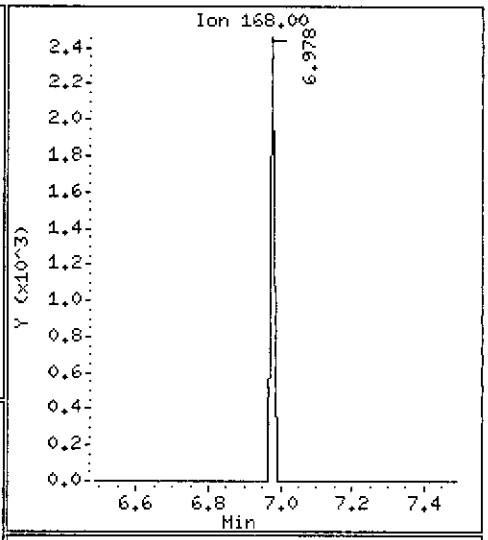
Column phase: DB5-MS

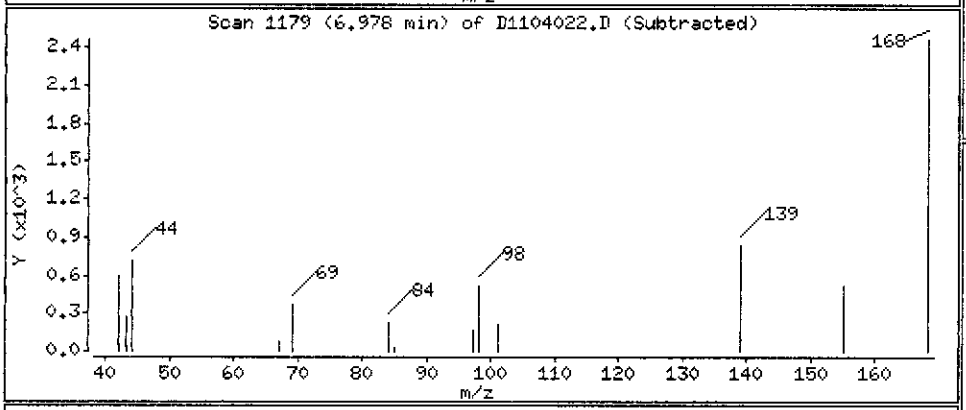
Column diameter: 0.32

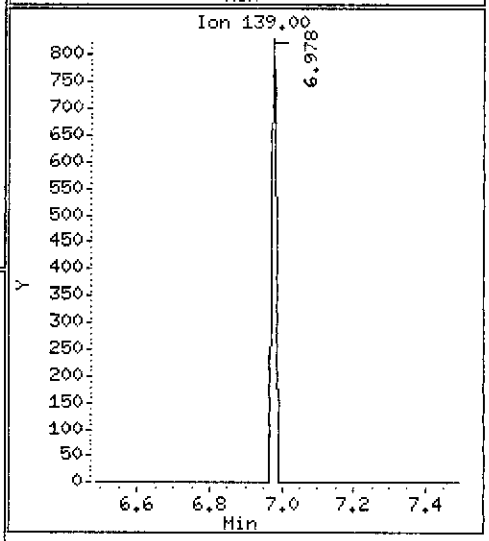
86 Dibenzofuran

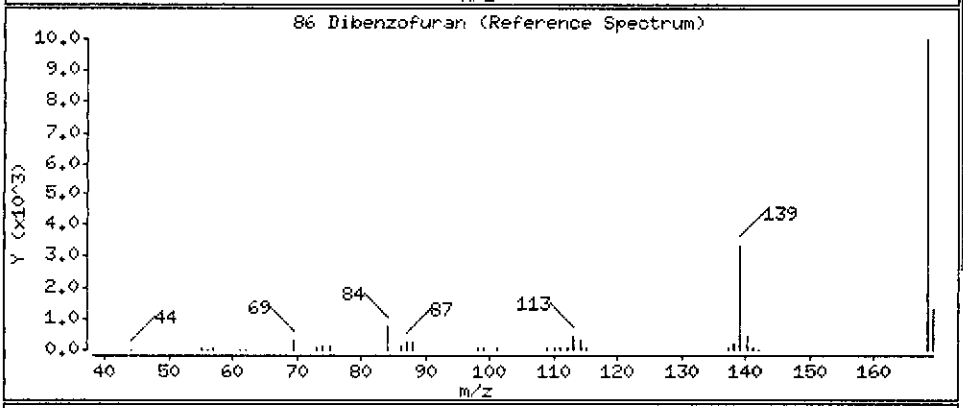
Concentration: 7.8983 ug/kg

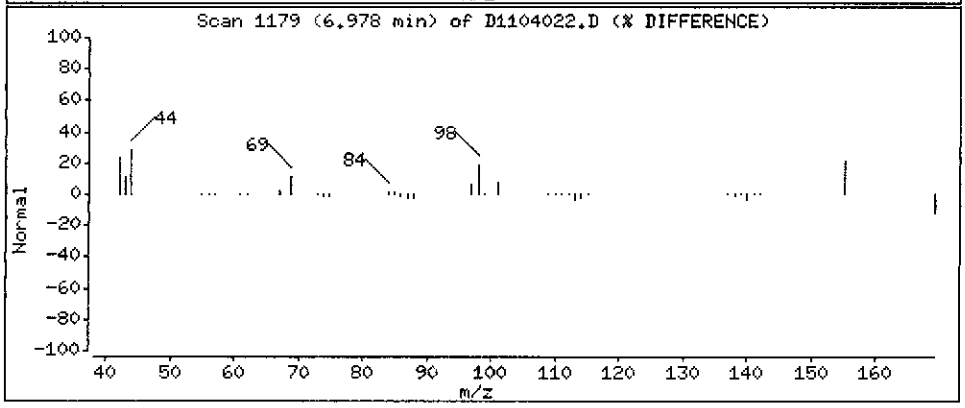












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104022.D

Date : 04-NOV-2010 19:27

Client ID: 20100842 SD10-04

Instrument: 732.i

Sample Info: c0k030562-007 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

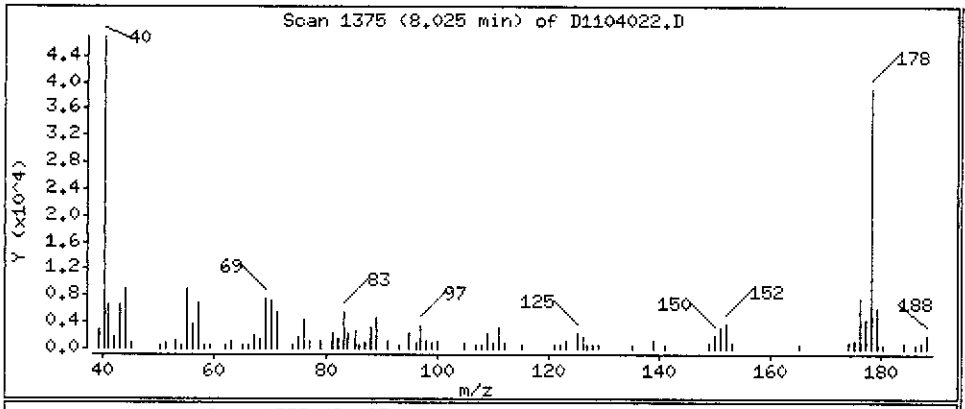
Operator: 430261nc

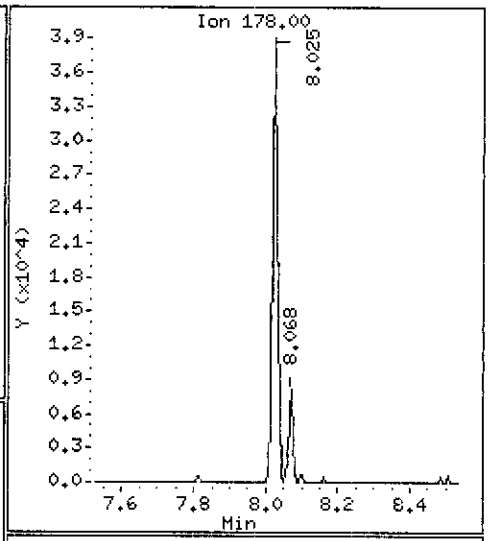
Column phase: DB5-MS

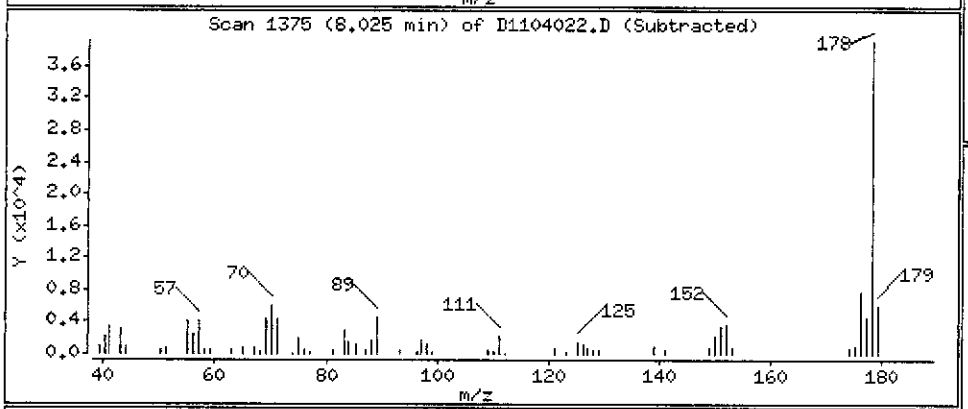
Column diameter: 0.32

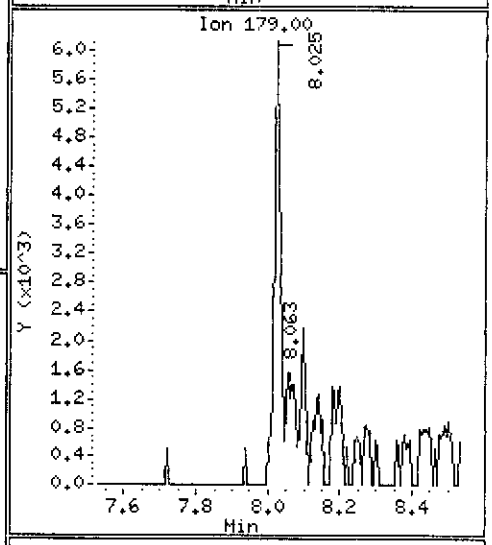
115 Phenanthrene

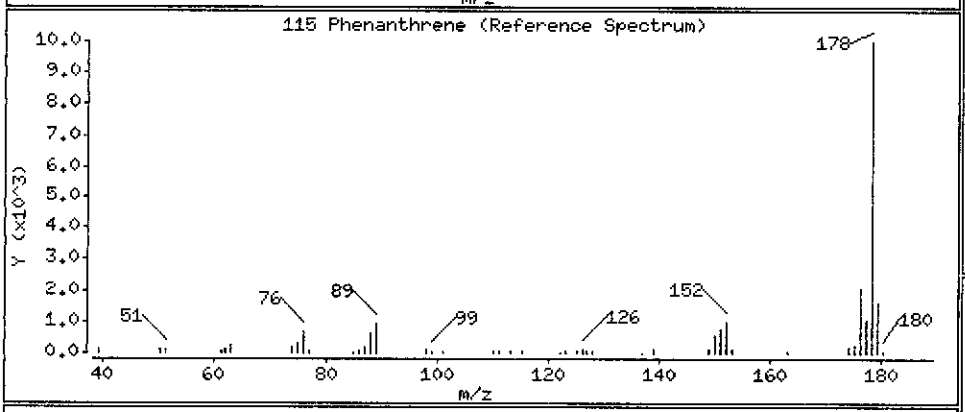
Concentration: 122.33 ug/kg

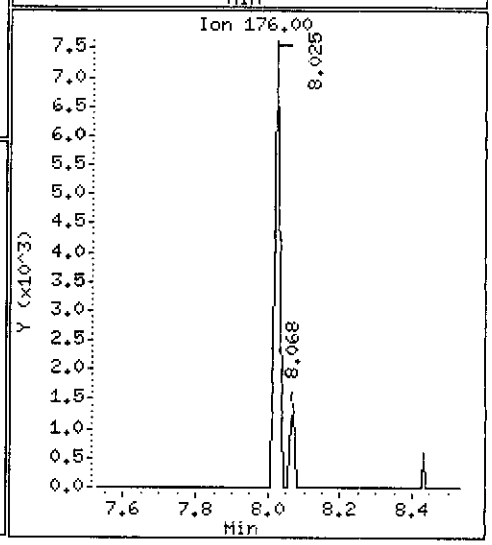


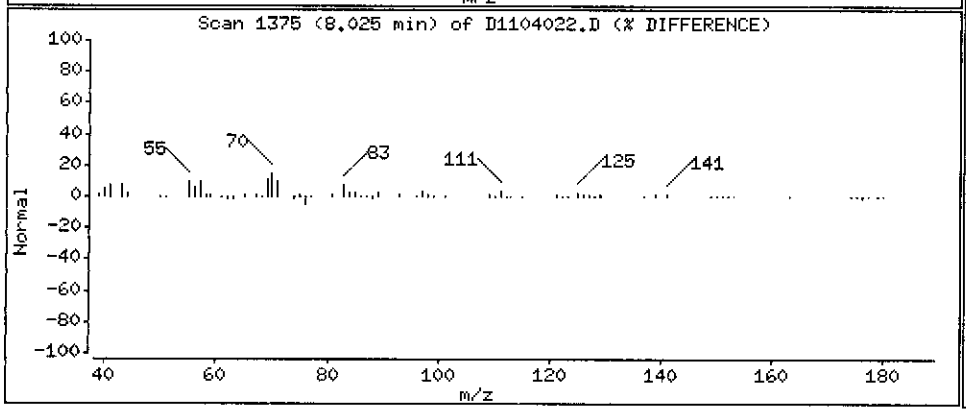












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104022.D

Date : 04-NOV-2010 19:27

Client ID: 20100842 SD10-04

Instrument: 732.i

Sample Info: c0k030562-007 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

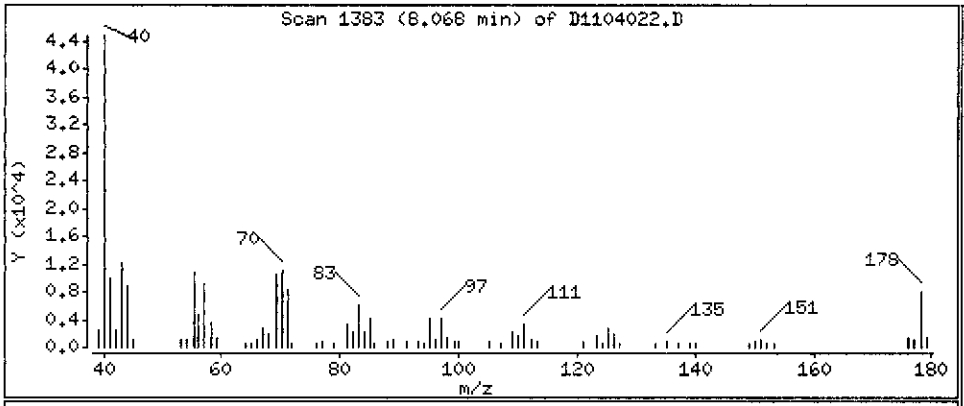
Operator: 430261nc

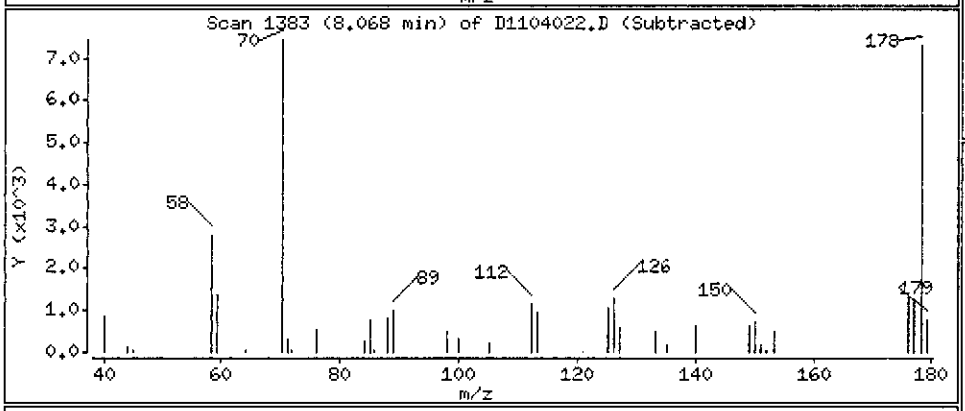
Column phase: DB5-MS

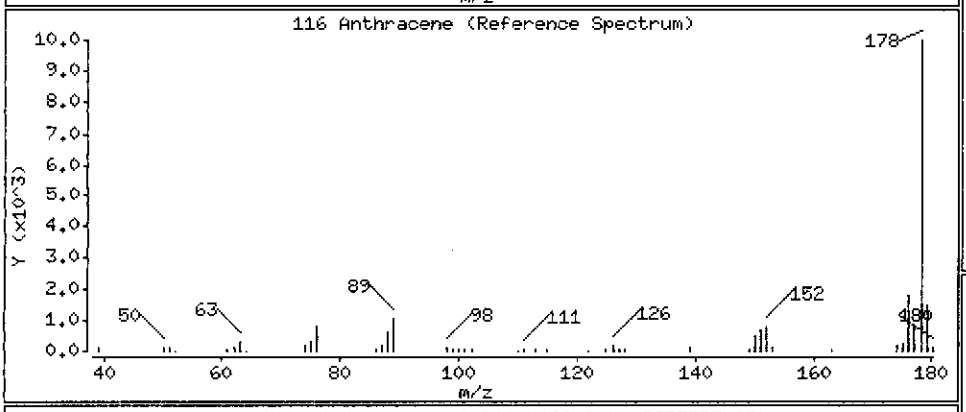
Column diameter: 0.32

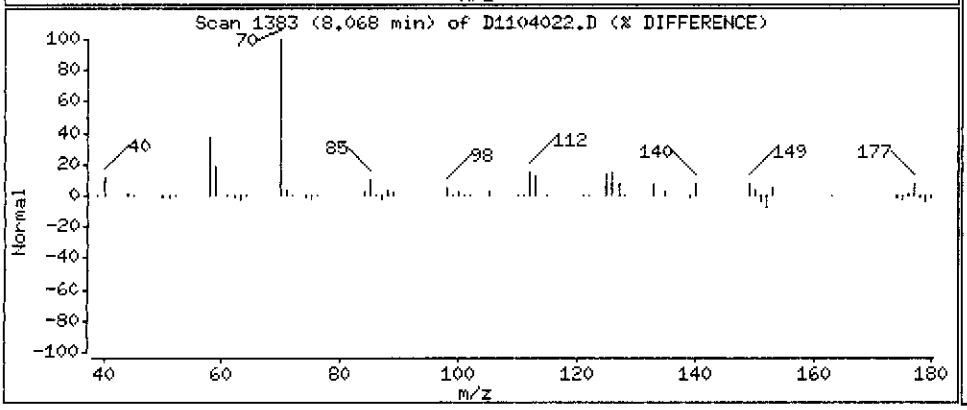
116 Anthracene

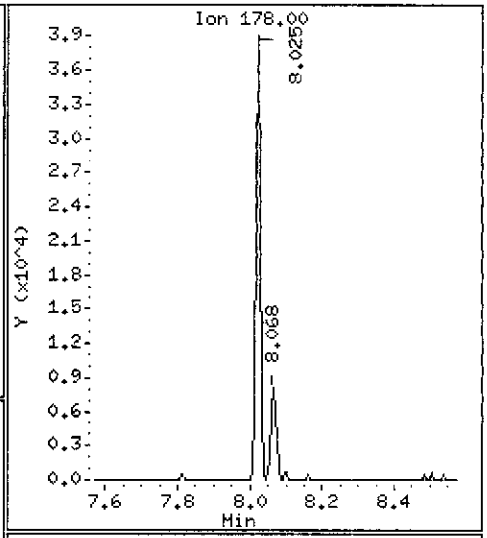
Concentration: 26.385 ug/kg

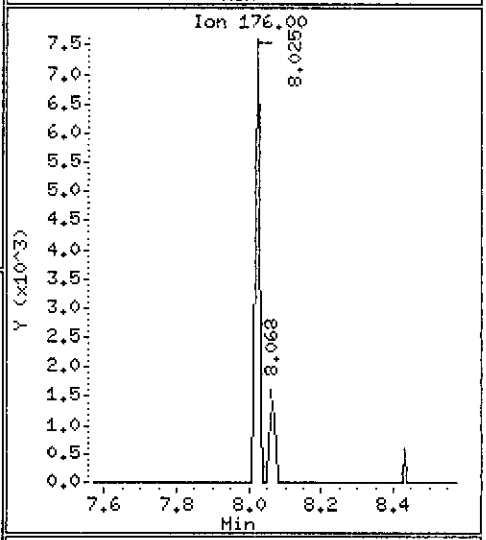


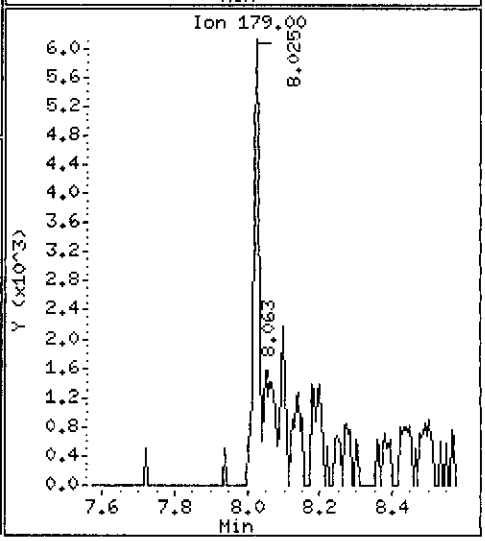












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104022.D

Date : 04-NOV-2010 19:27

Client ID: 20100842 SD10-04

Instrument: 732.i

Sample Info: c0k030562-007 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

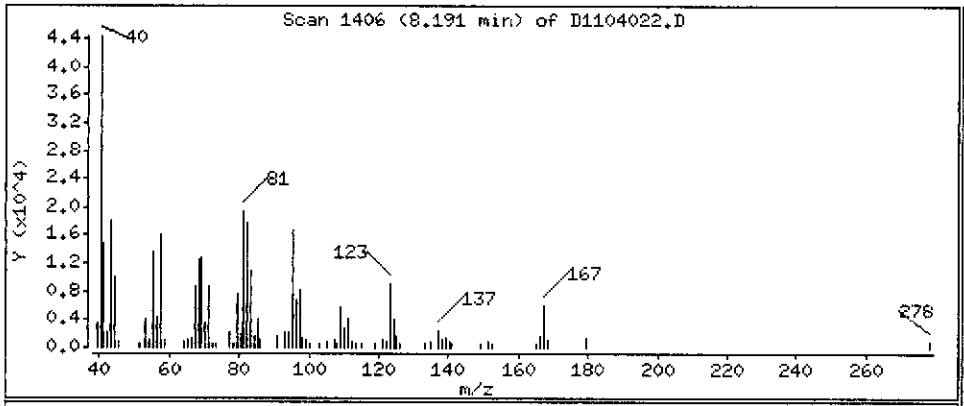
Operator: 430261nc

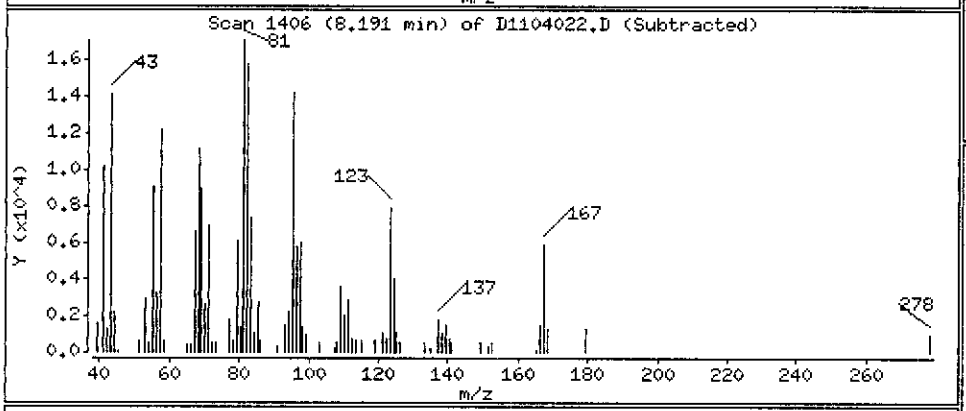
Column phase: DB5-MS

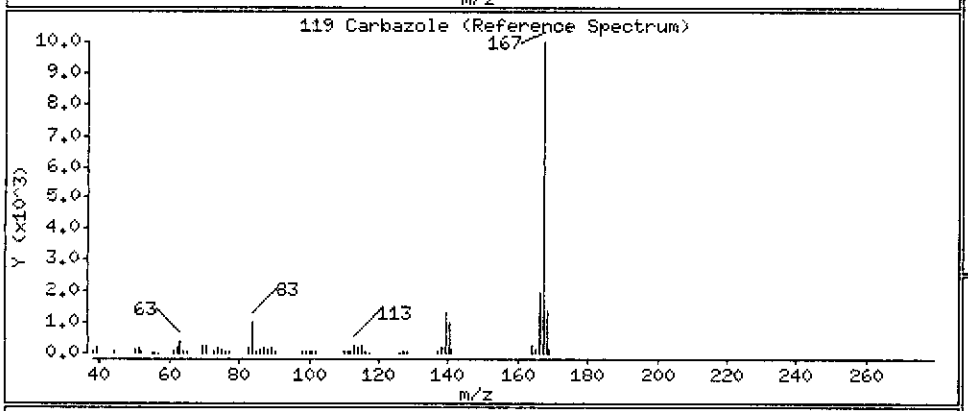
Column diameter: 0.32

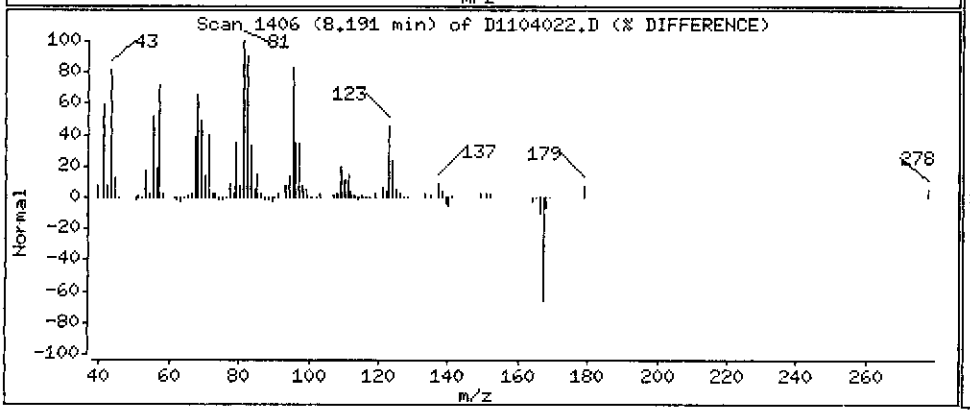
119 Carbazole

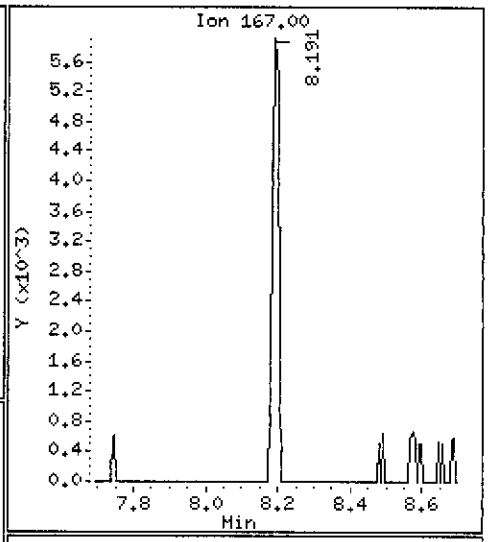
Concentration: 22.909 ug/kg

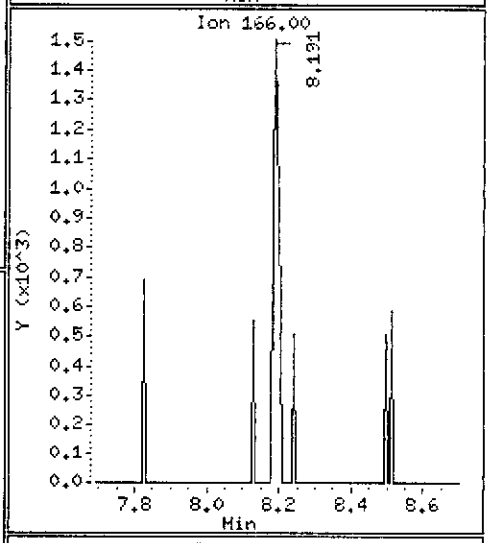


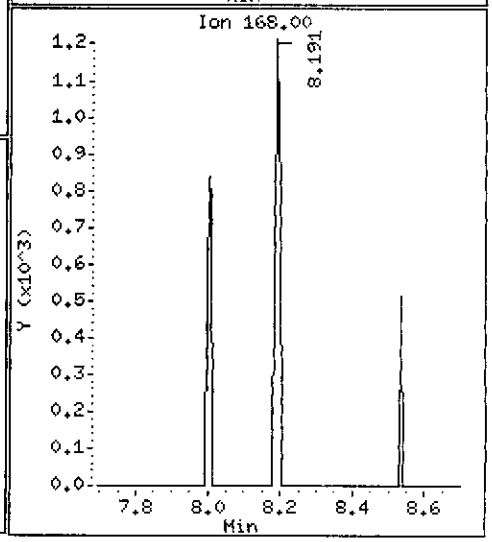












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104022.D

Date : 04-NOV-2010 19:27

Client ID: 20100842 SD10-04

Instrument: 732.i

Sample Info: c0k030562-007 20x 11/04/10 sed542(0308035)

Volume Injected (uL): 2.0

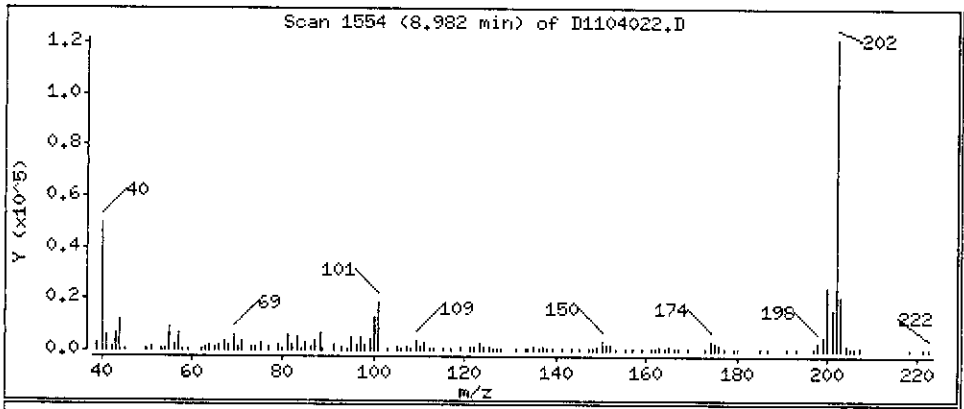
Operator: 430261nc

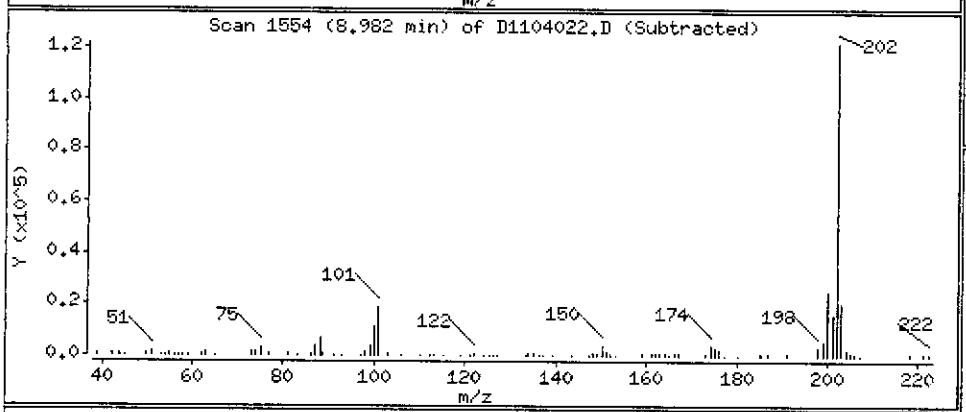
Column phase: DB5-MS

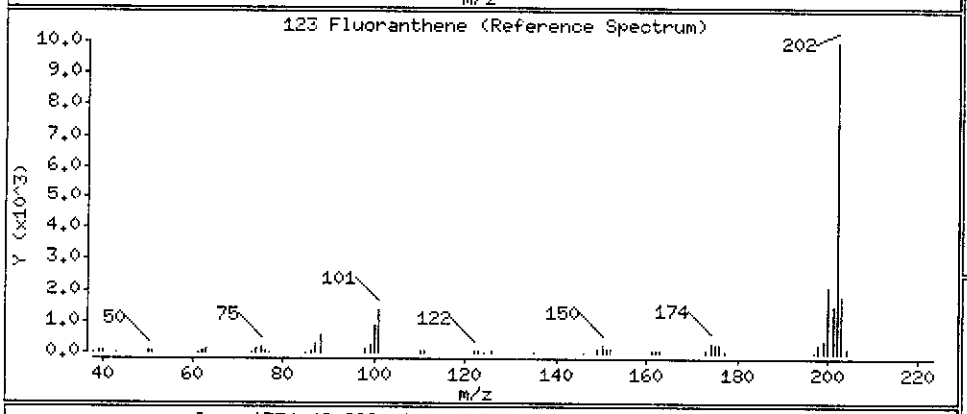
Column diameter: 0.32

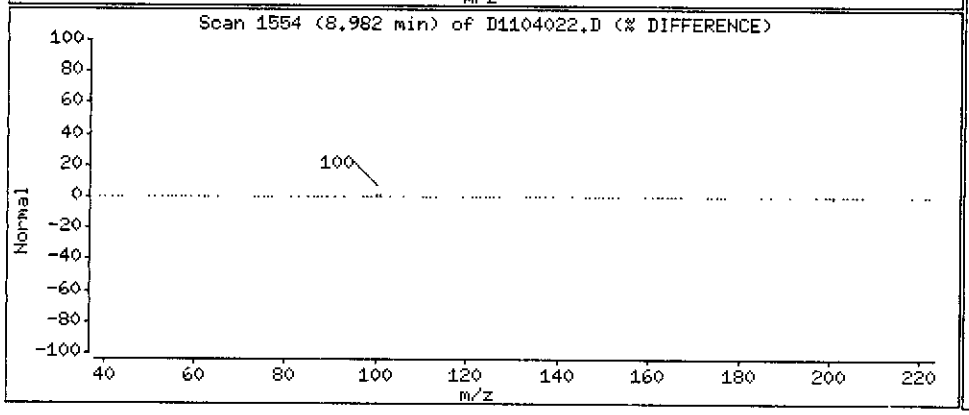
123 Fluoranthene

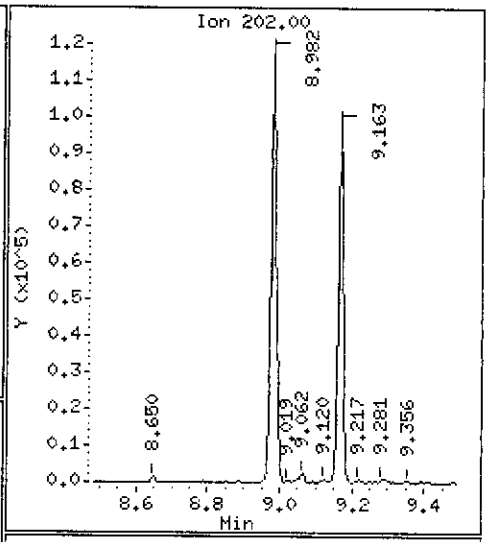
Concentration: 369.88 ug/kg

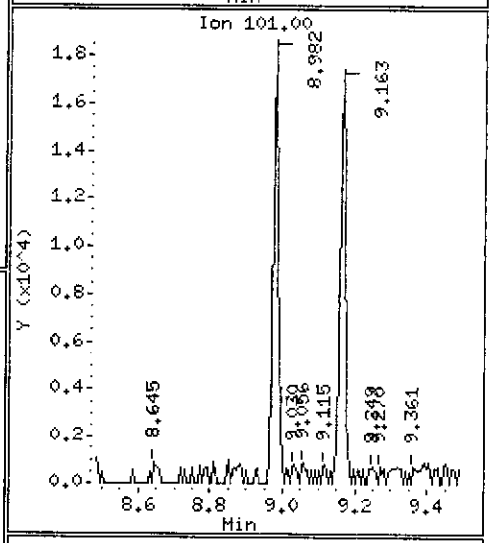


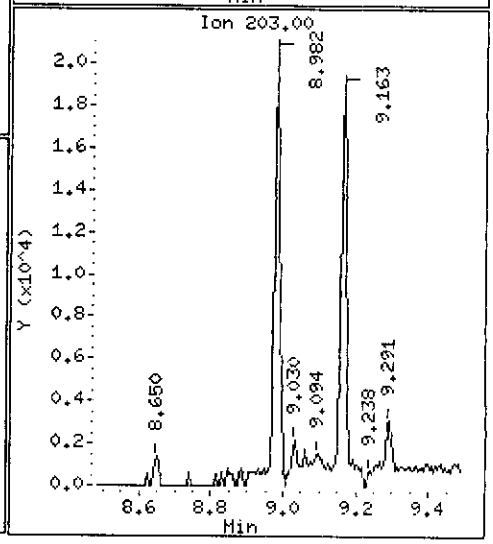












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104022.D

Date : 04-NOV-2010 19:27

Client ID: 20100842 SD10-04

Instrument: 732.i

Sample Info: c0k030562-007 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

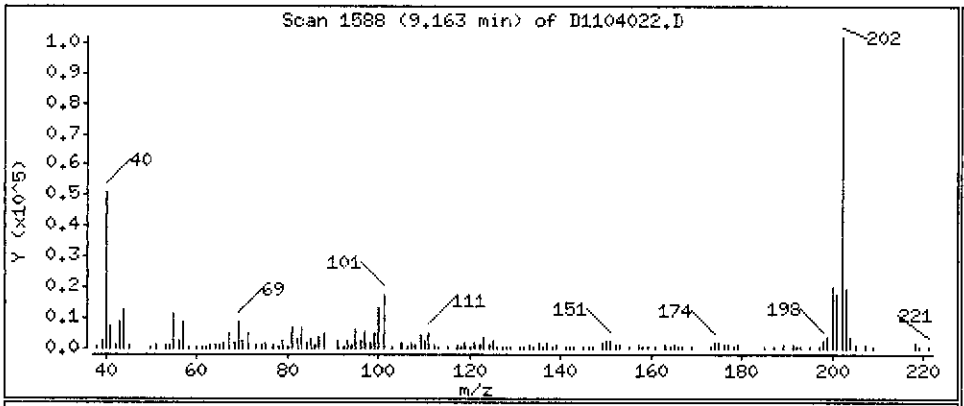
Operator: 430261nc

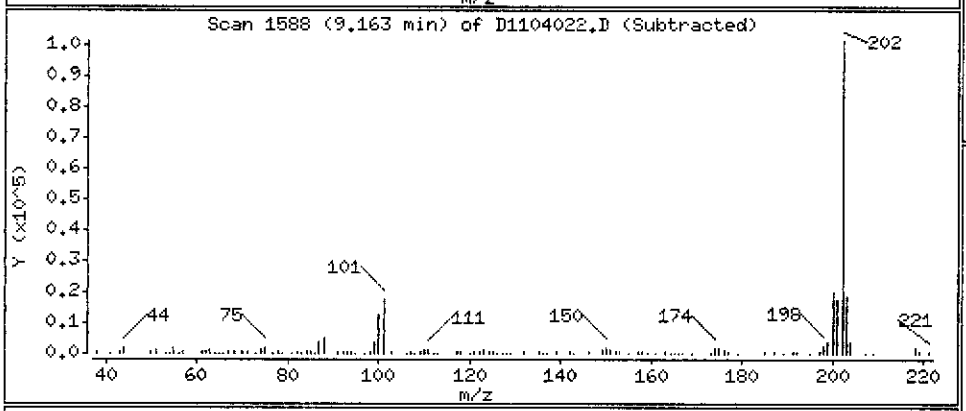
Column phase: DB5-MS

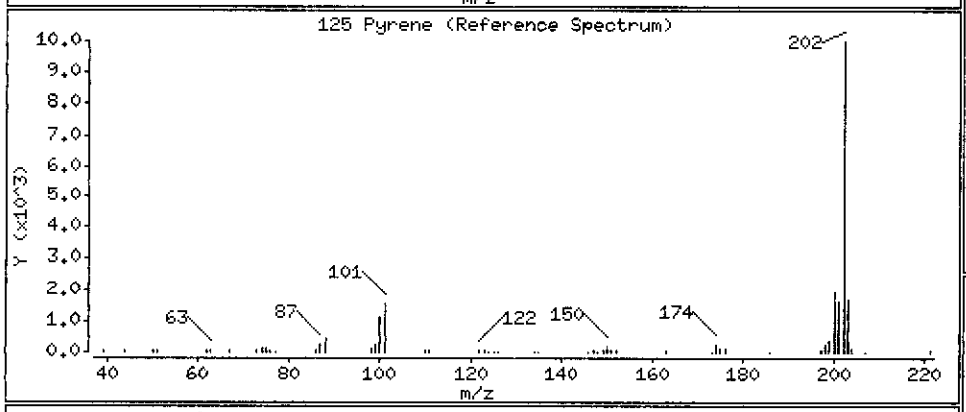
Column diameter: 0.32

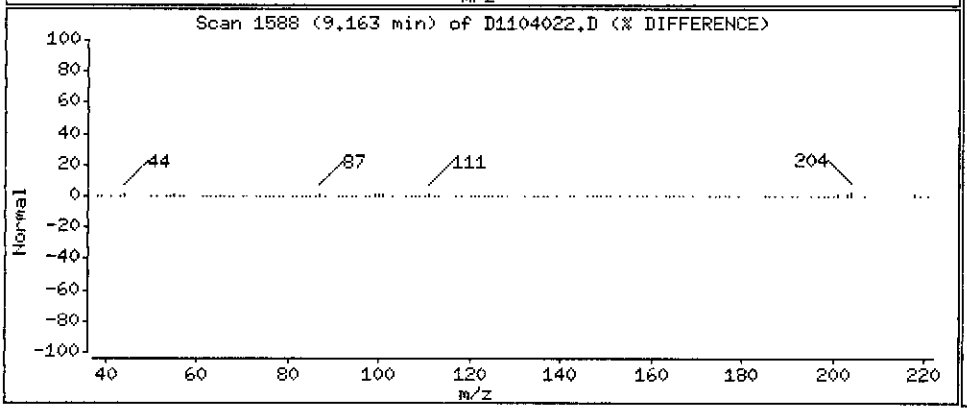
125 Pyrene

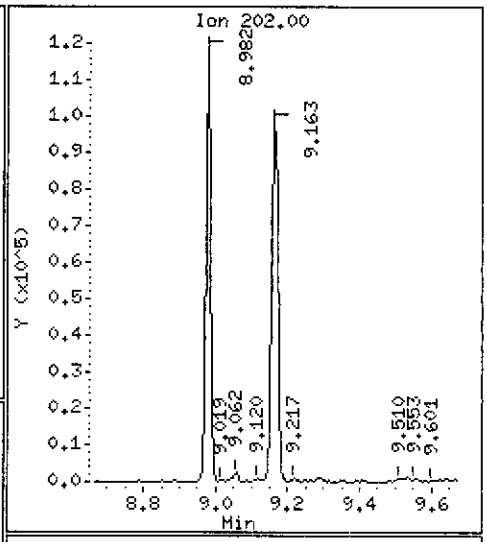
Concentration: 270.80 ug/kg

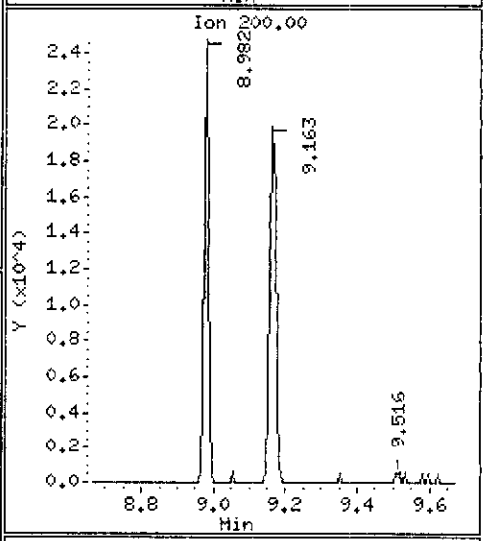


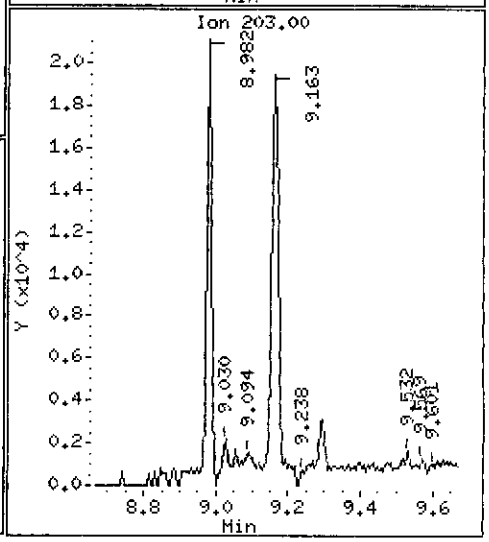












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104022.D

Date : 04-NOV-2010 19:27

Client ID: 20100842 SD10-04

Instrument: 732.i

Sample Info: c0k030562-007 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

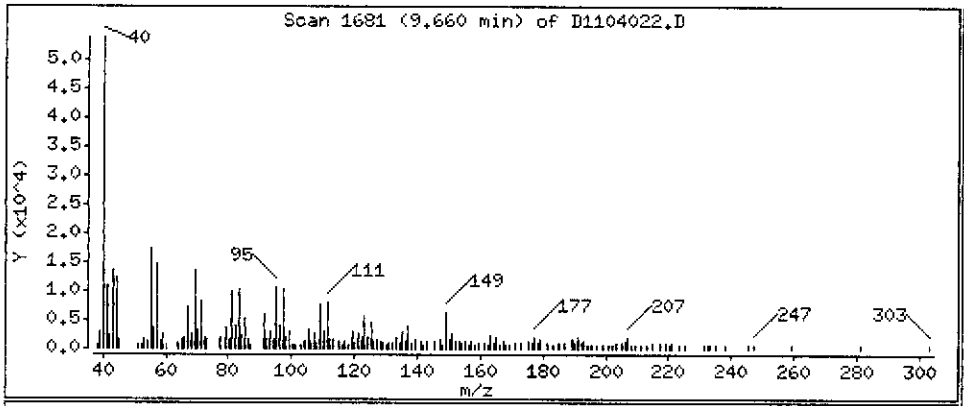
Operator: 430261nc

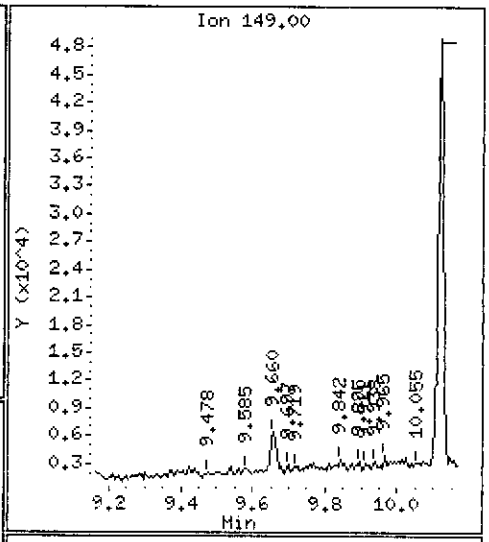
Column phase: DB5-MS

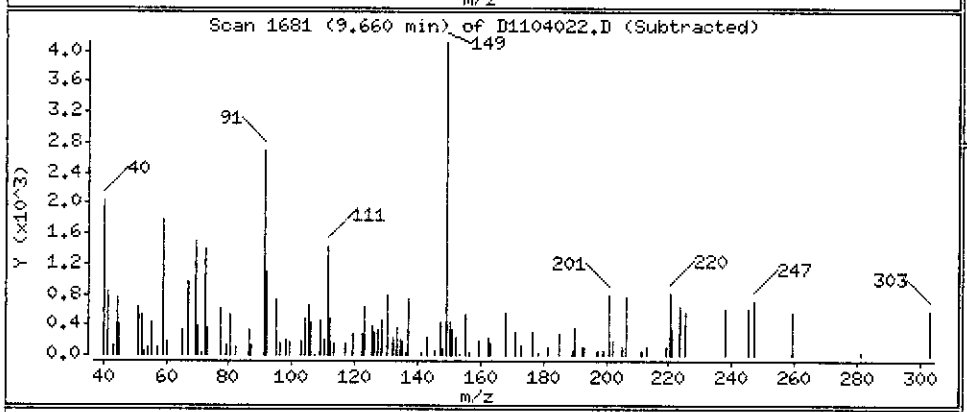
Column diameter: 0.32

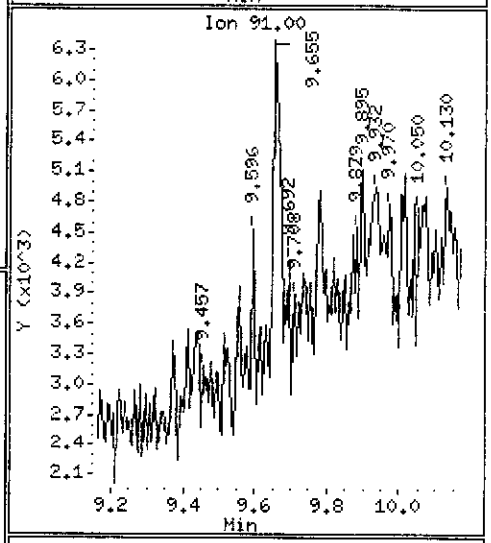
131 Butylbenzylphthalate

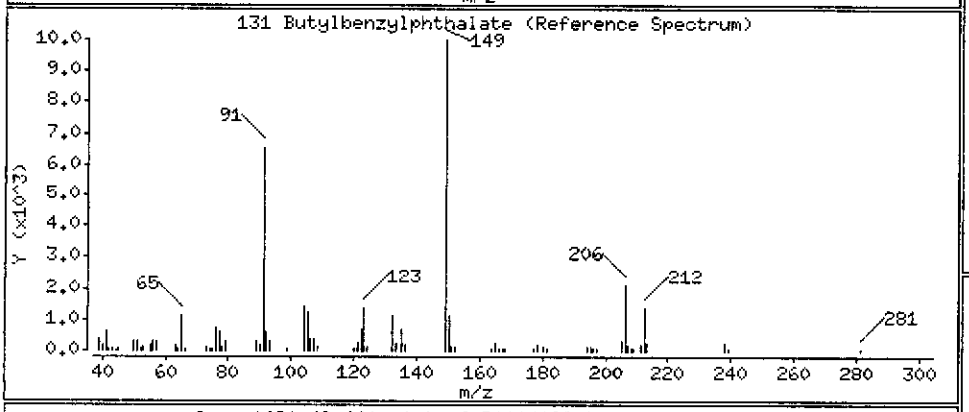
Concentration: 26.027 ug/kg

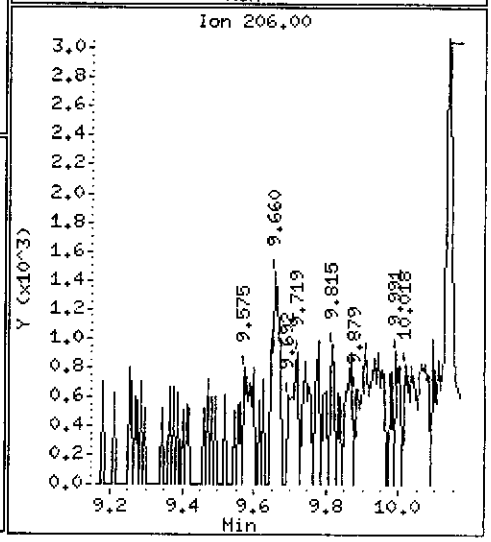


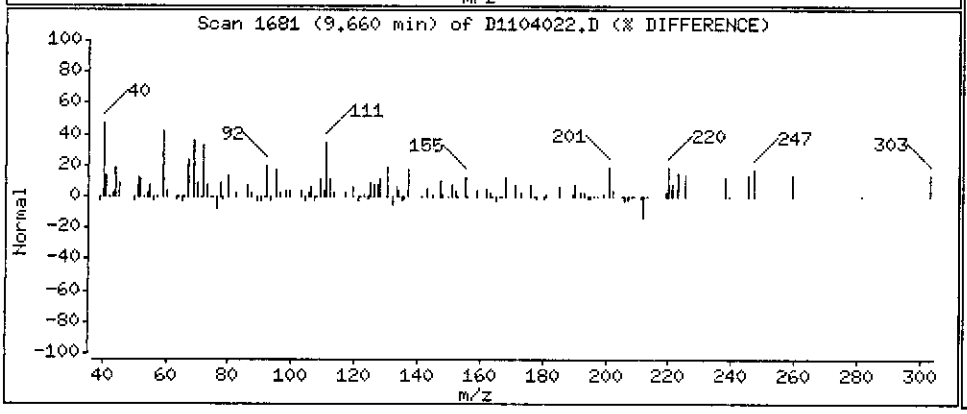












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104022.D

Date : 04-NOV-2010 19:27

Client ID: 20100842 SD10-04

Instrument: 732.i

Sample Info: c0k030562-007 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

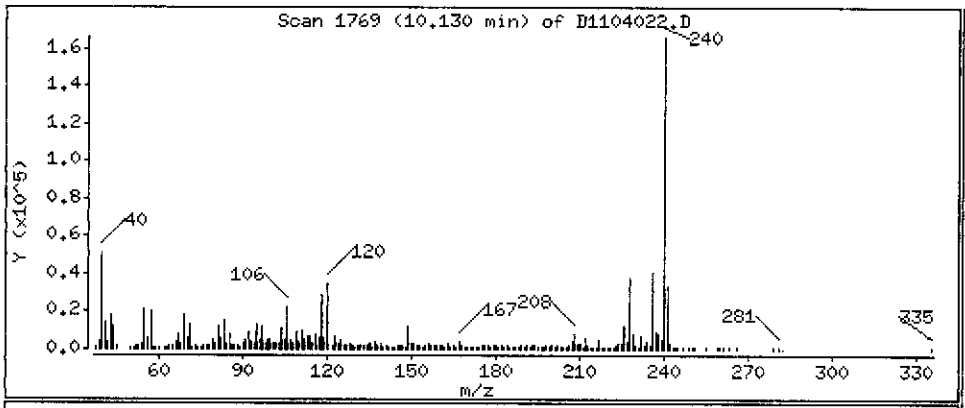
Operator: 430261nc

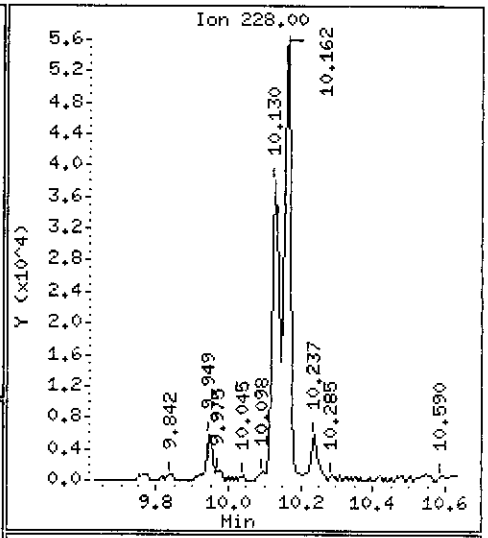
Column phase: DB5-MS

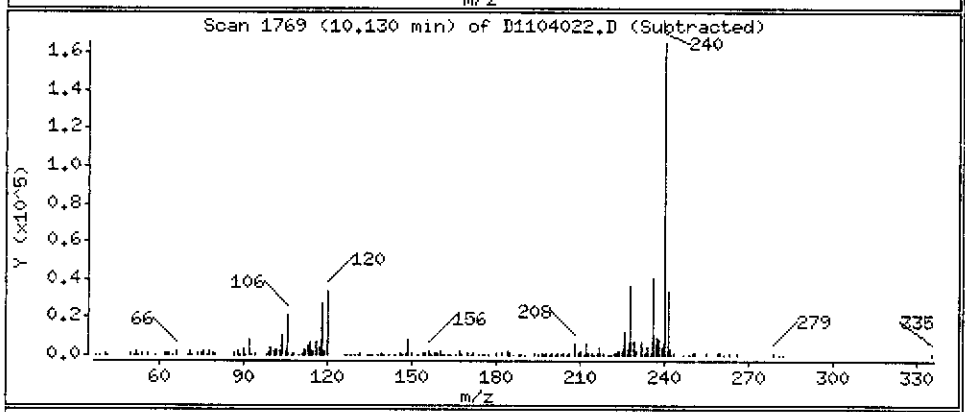
Column diameter: 0.32

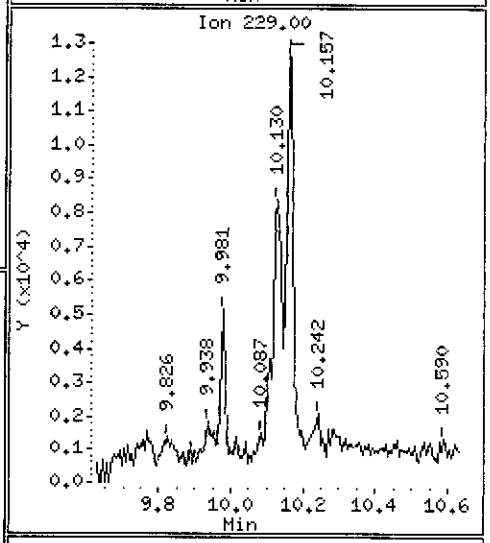
136 Benzo(a)Anthracene

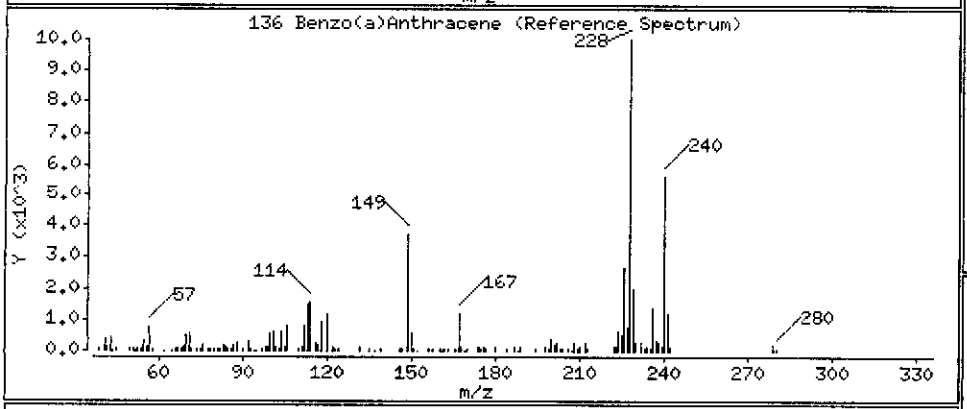
Concentration: 137.58 ug/kg

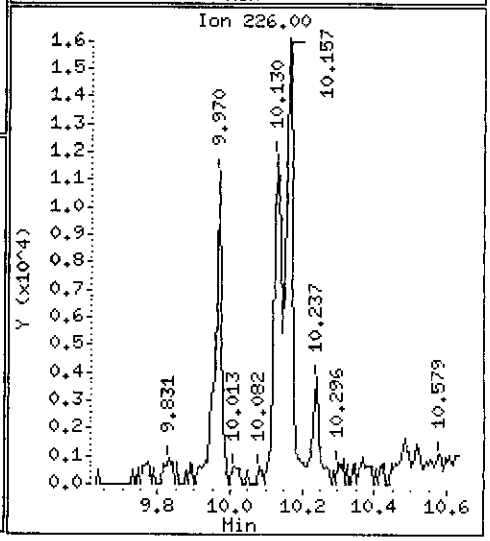


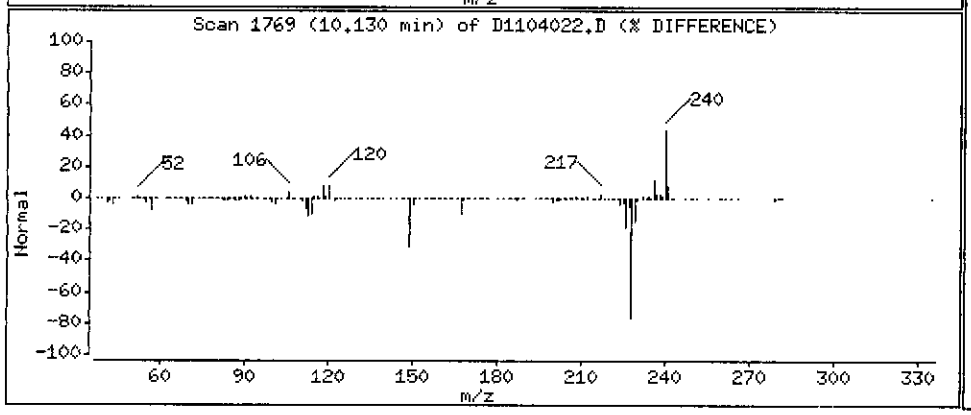












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104022.D

Date : 04-NOV-2010 19:27

Client ID: 20100842 SD10-04

Instrument: 732.i

Sample Info: c0k030562-007 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

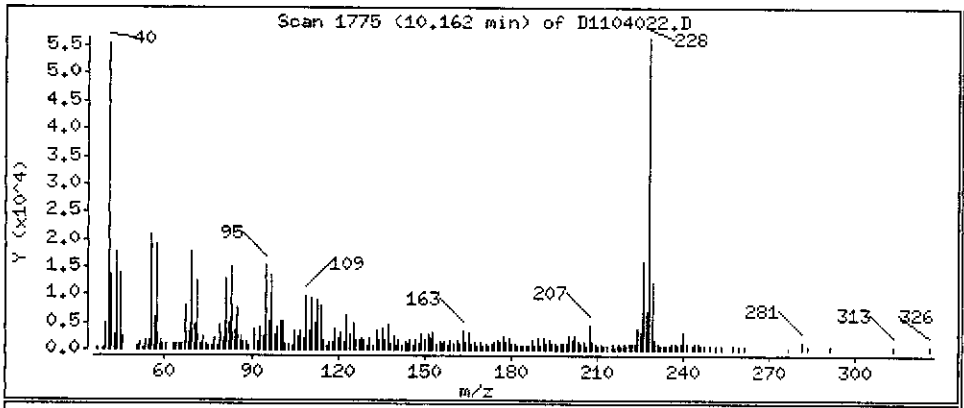
Operator: 430261nc

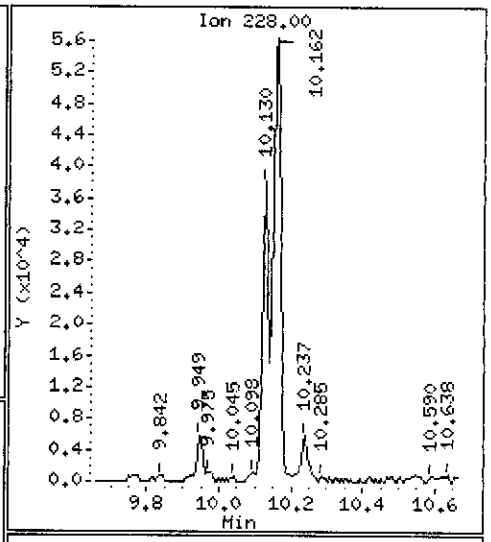
Column phase: DB5-MS

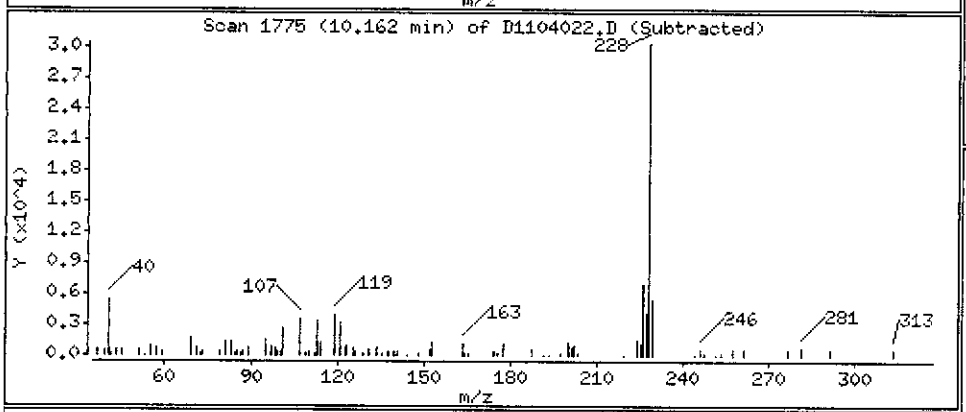
Column diameter: 0.32

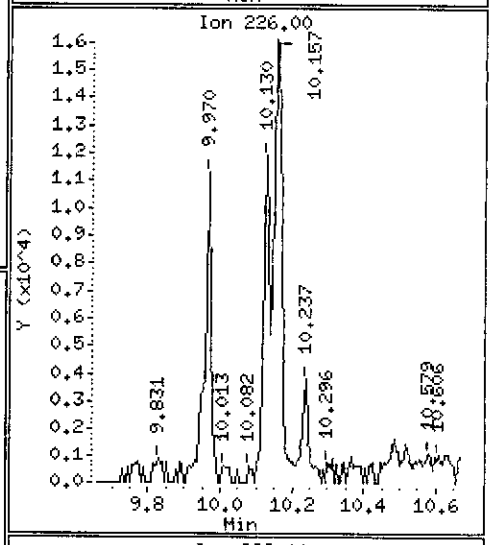
137 Chrysene

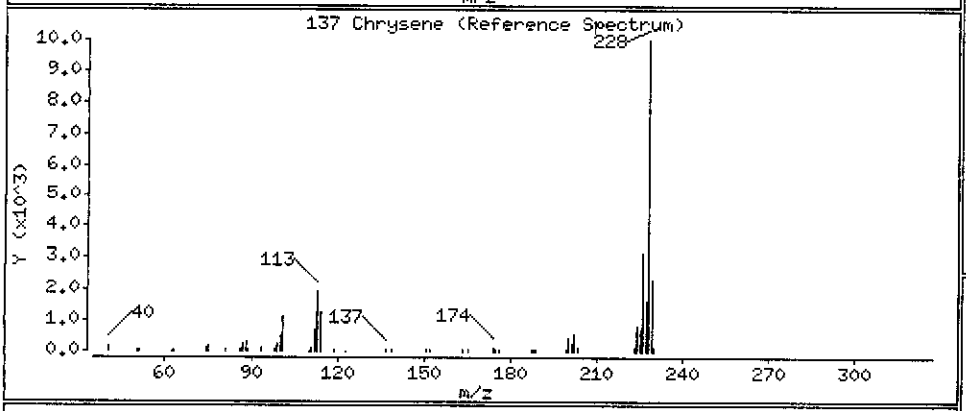
Concentration: 226.12 ug/kg

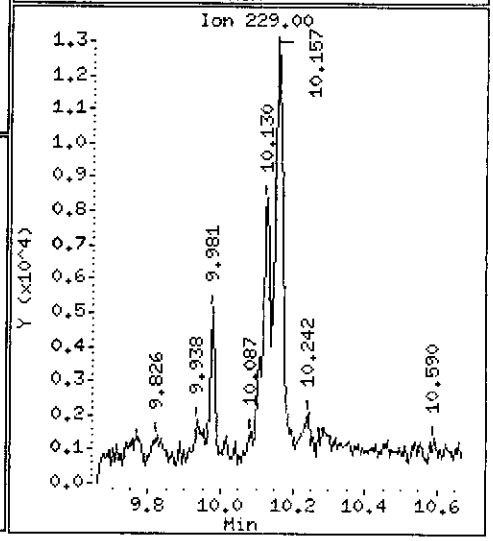


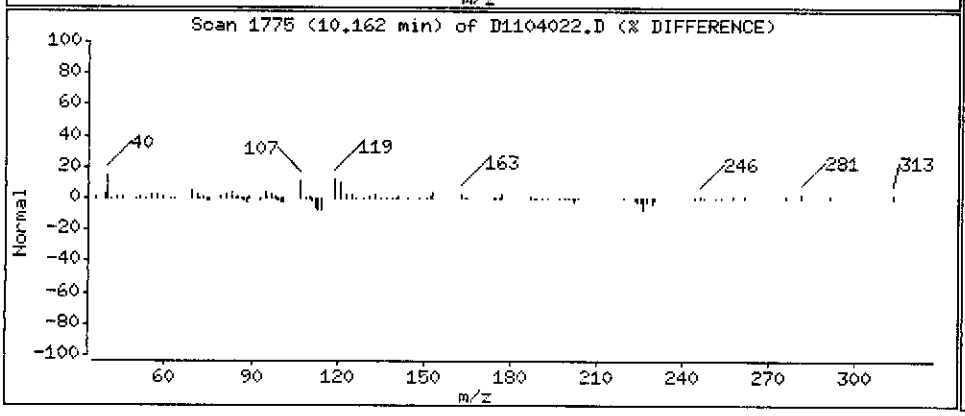












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104022.D

Date : 04-NOV-2010 19:27

Client ID: 20100842 SD10-04

Instrument: 732.i

Sample Info: c0k030562-007 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

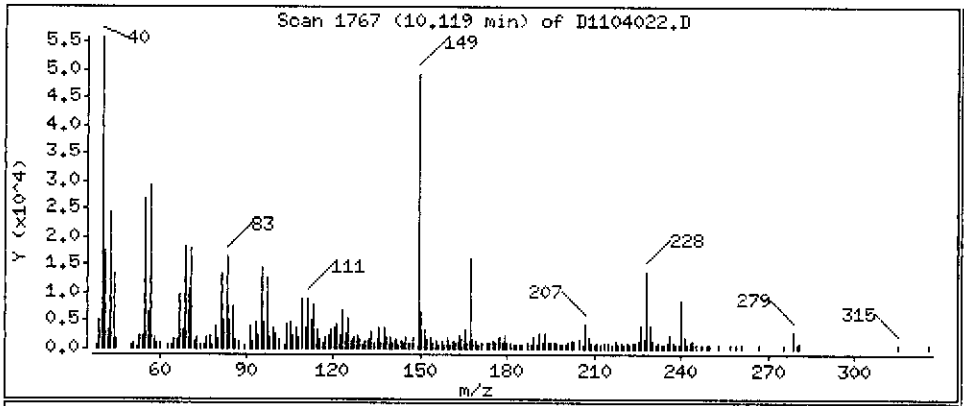
Operator: 430261nc

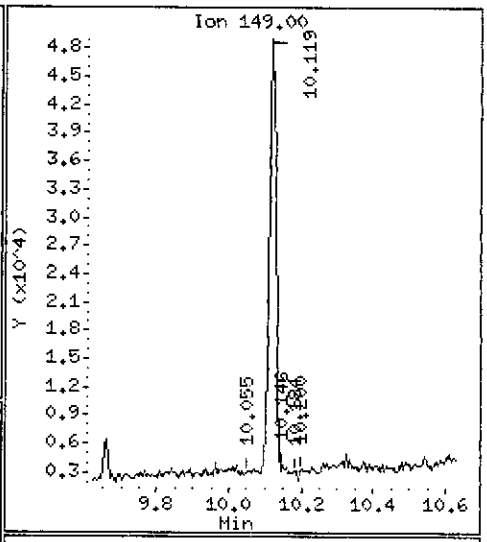
Column phase: DB5-MS

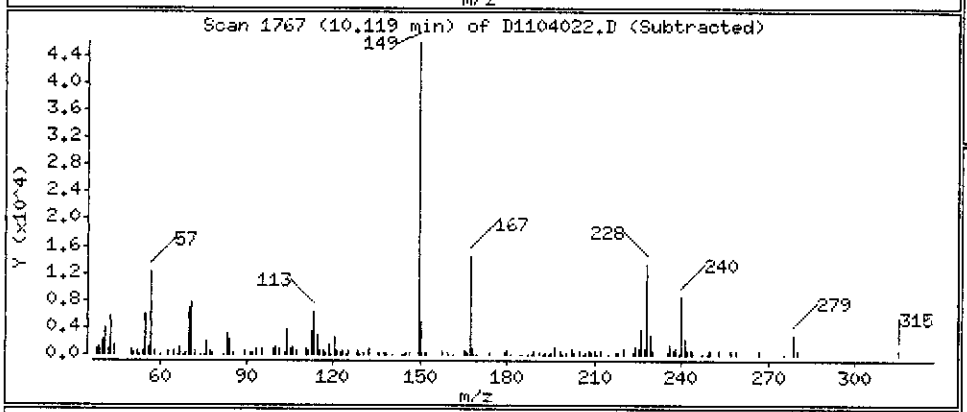
Column diameter: 0.32

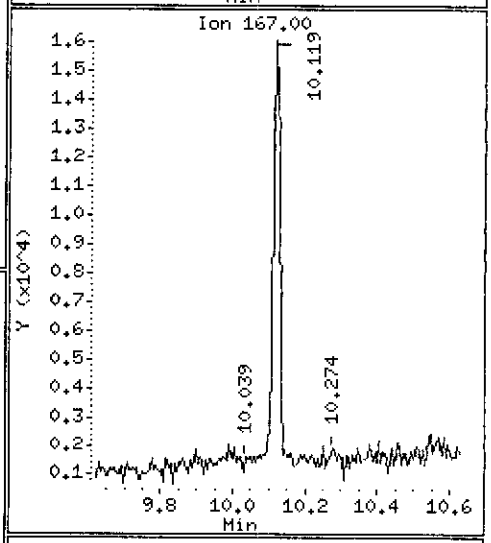
139 bis(2-ethylhexyl)Phthalate

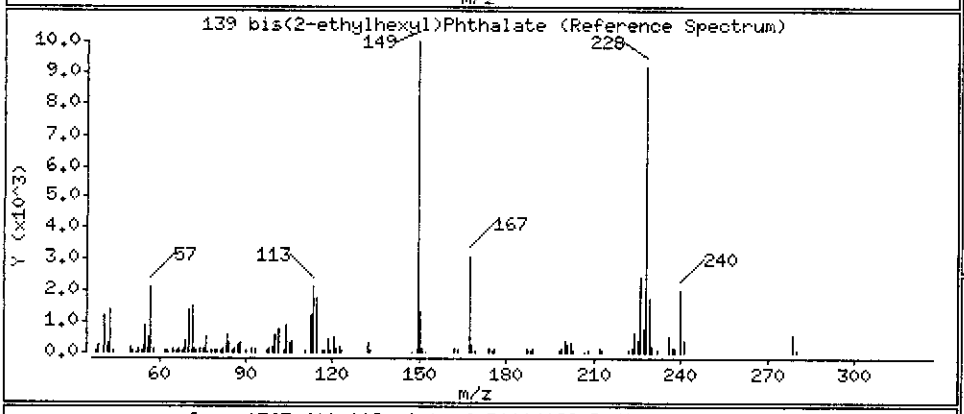
Concentration: 237.16 ug/kg

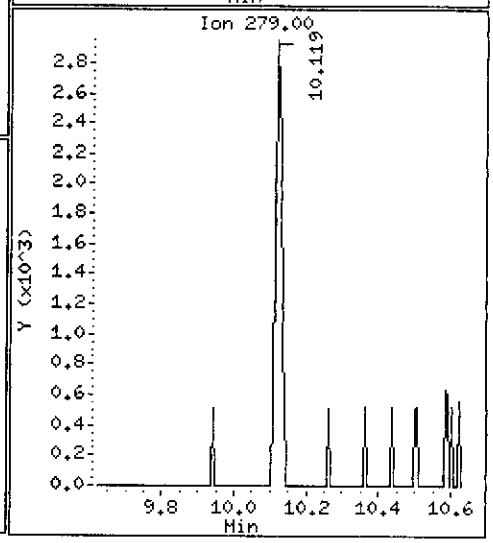


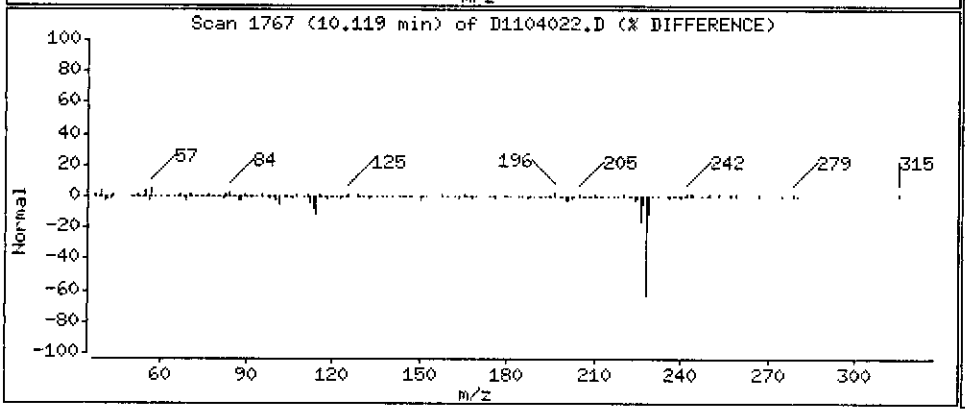












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104022.D

Date : 04-NOV-2010 19:27

Client ID: 20100842 SD10-04

Instrument: 732.i

Sample Info: c0k030562-007 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

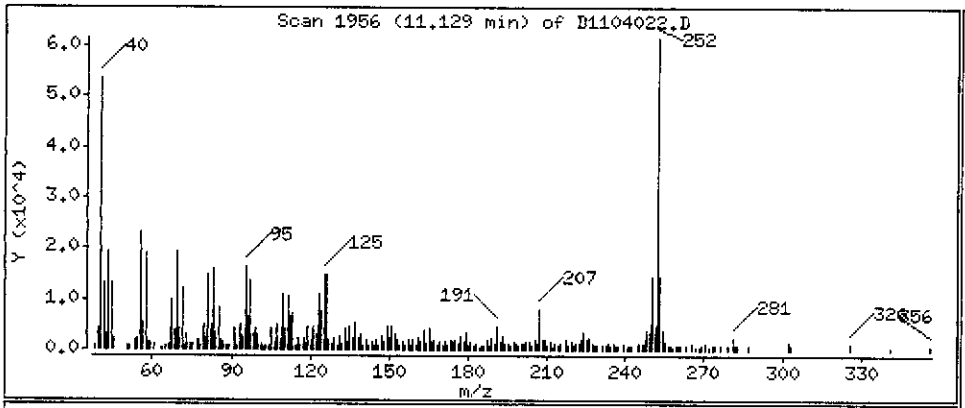
Operator: 430261nc

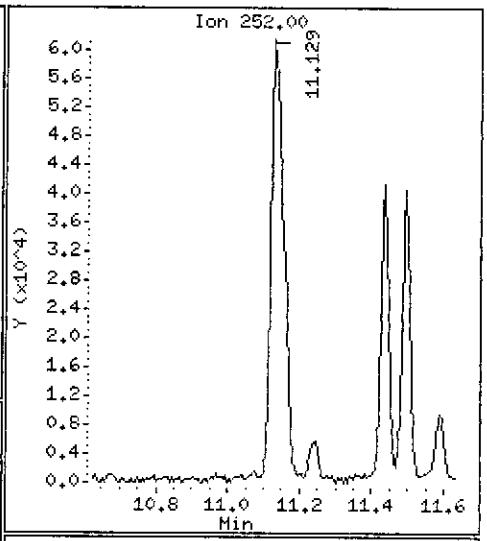
Column phase: DB5-MS

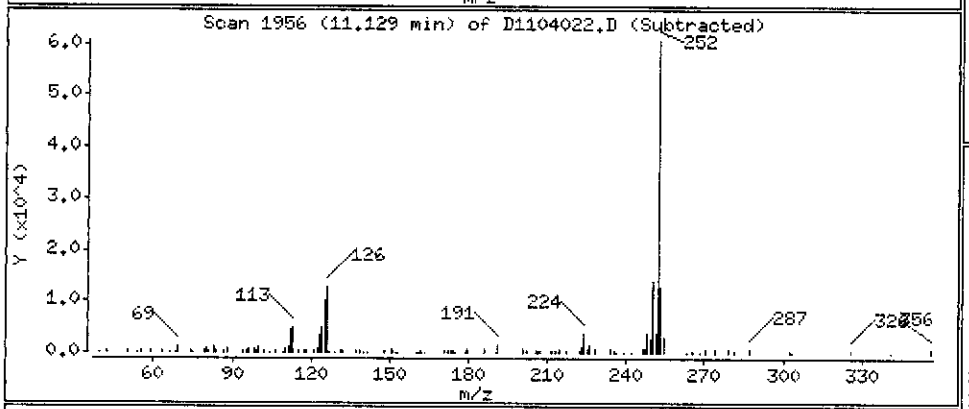
Column diameter: 0.32

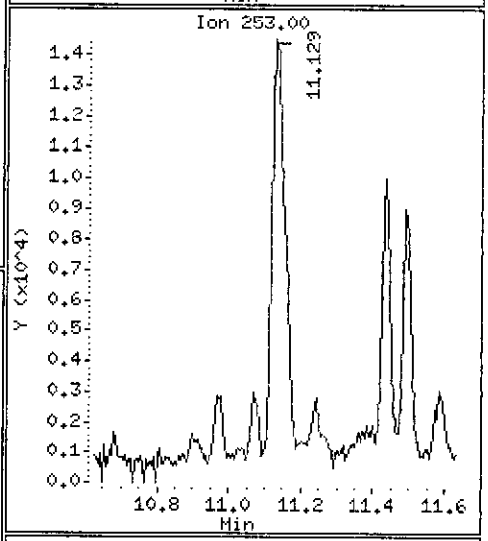
141 Benzo(b)fluoranthene

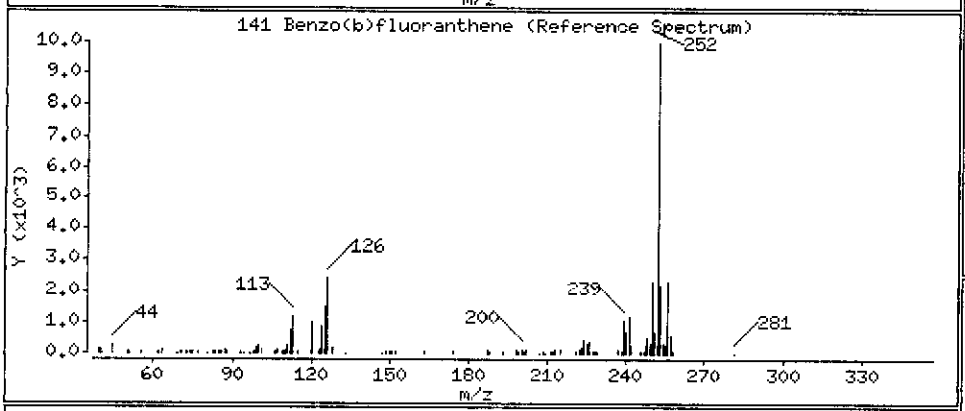
Concentration: 293.18 ug/kg

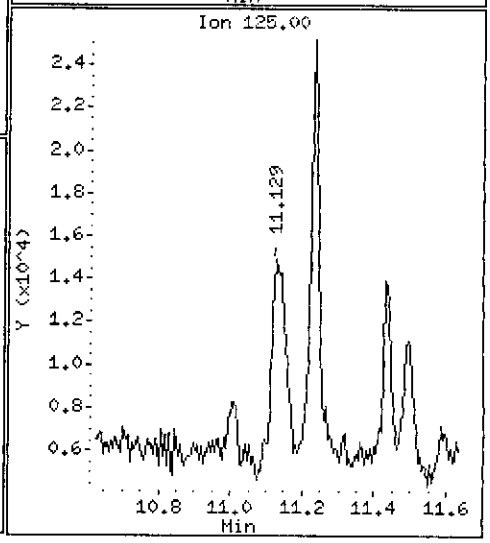


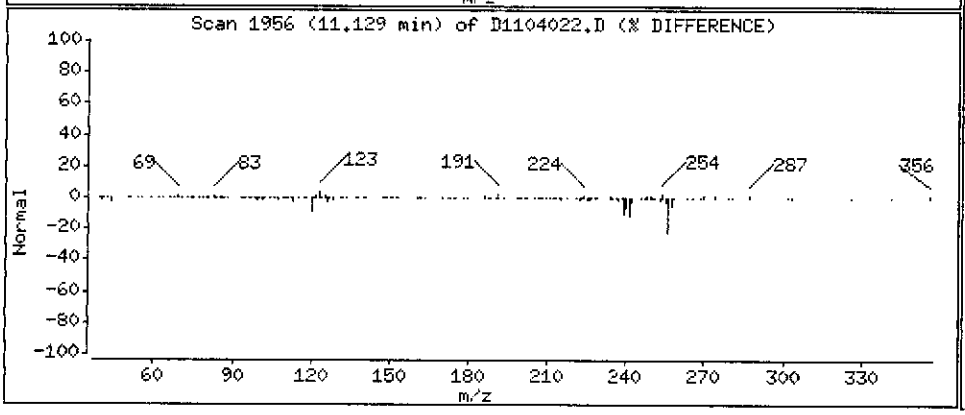












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104022.D

Date : 04-NOV-2010 19:27

Client ID: 20100842 SD10-04

Instrument: 732.i

Sample Info: c0k030562-007 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

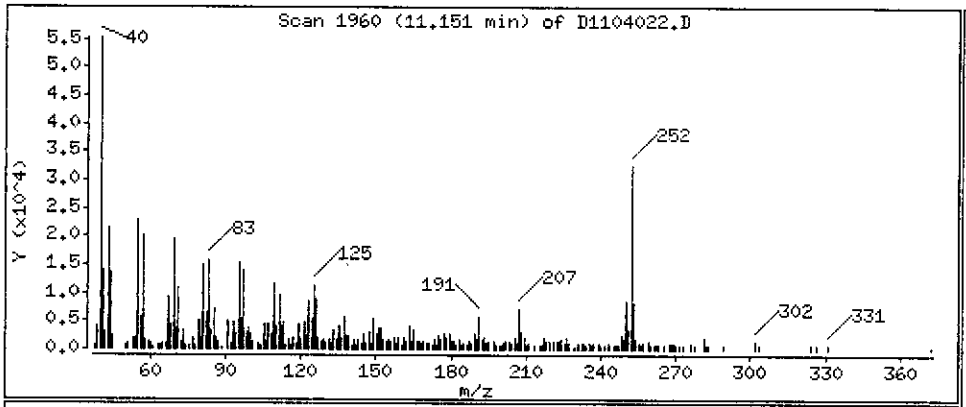
Operator: 430261nc

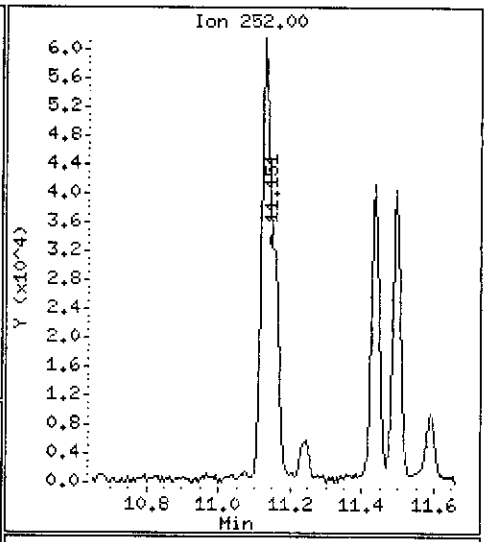
Column phase: DB5-MS

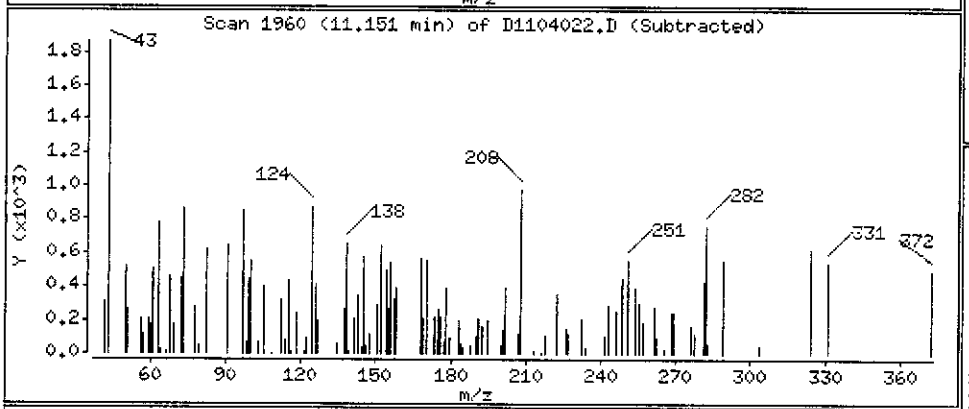
Column diameter: 0.32

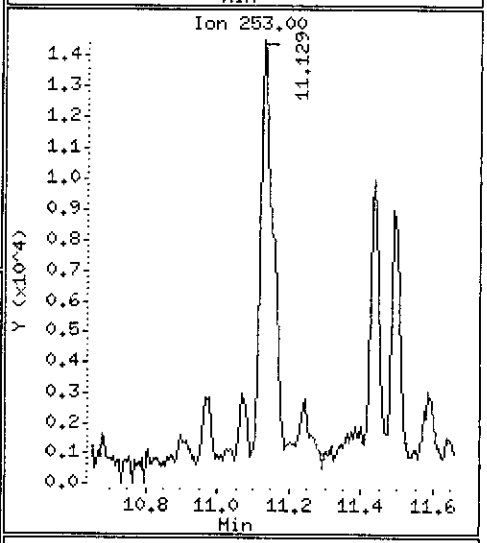
142 Benzo(k)fluoranthene

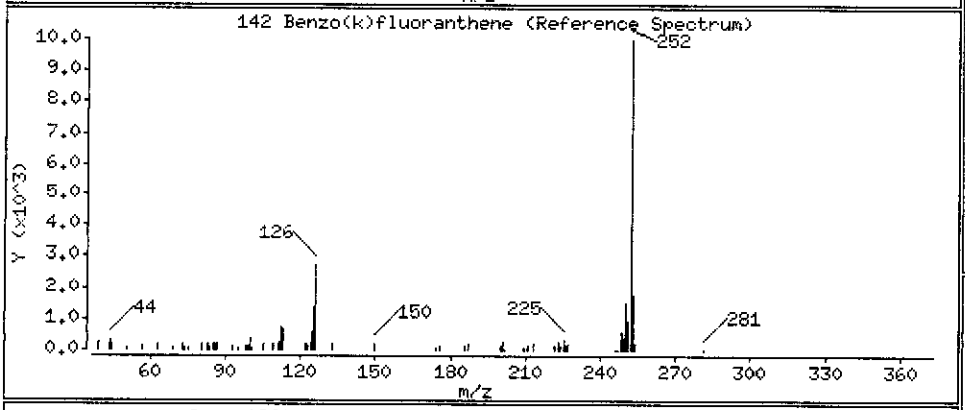
Concentration: 87.273 ug/kg

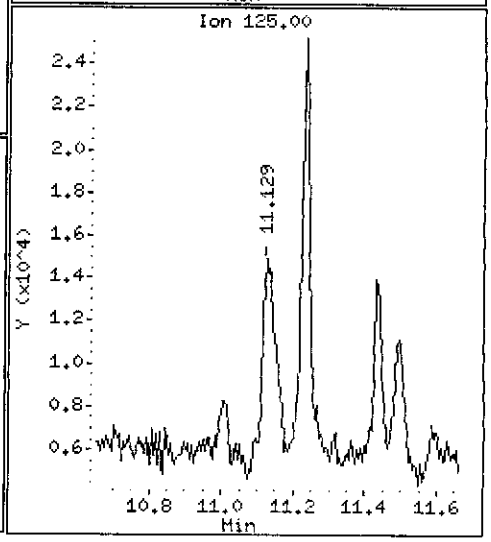


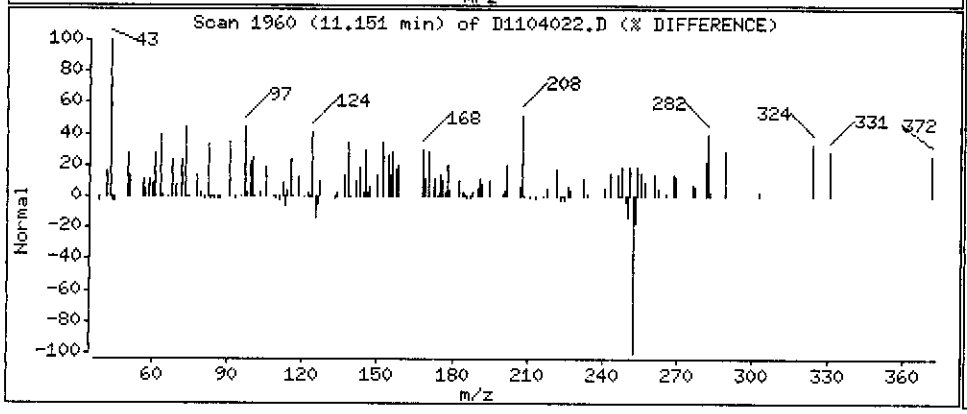












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104022.D

Date : 04-NOV-2010 19:27

Client ID: 20100842 SD10-04

Instrument: 732.i

Sample Info: c0k030562-007 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

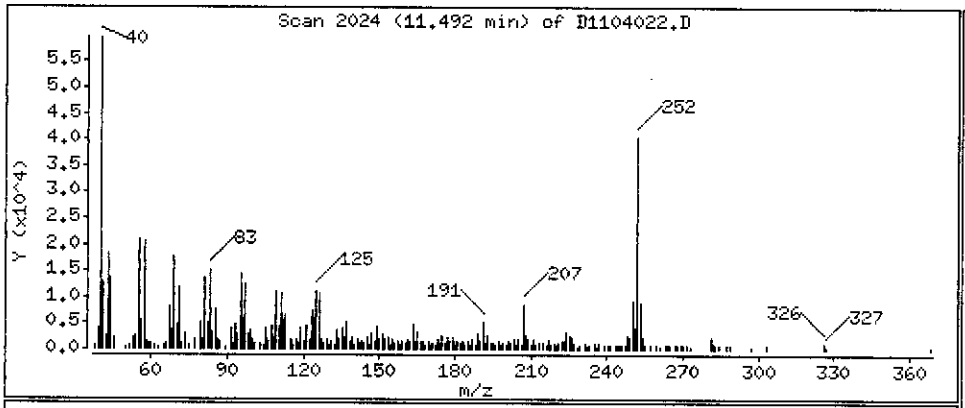
Operator: 430261nc

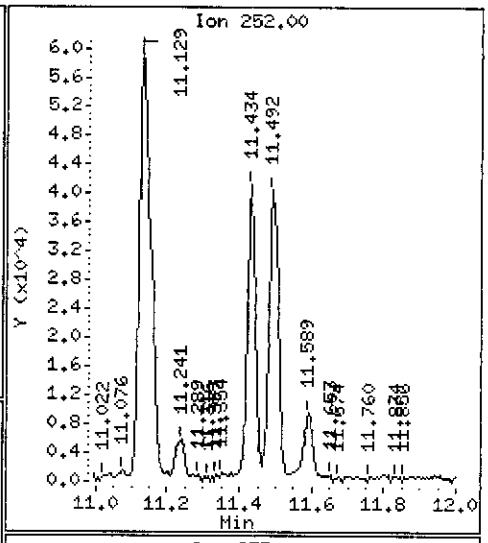
Column phase: DB5-MS

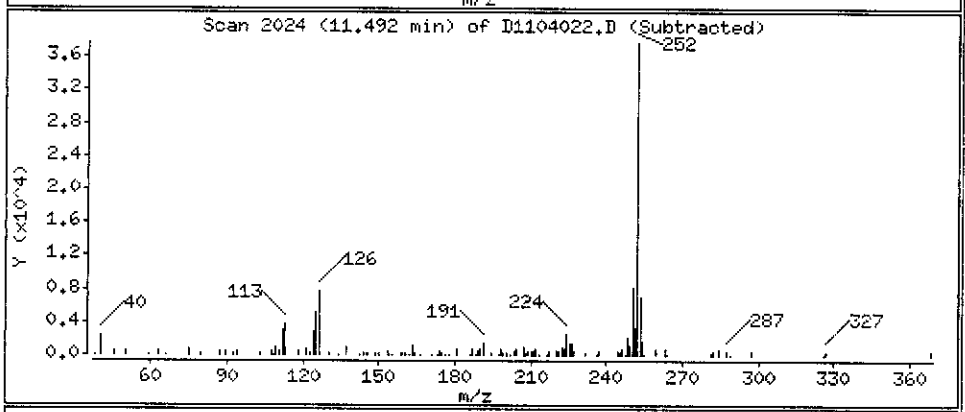
Column diameter: 0.32

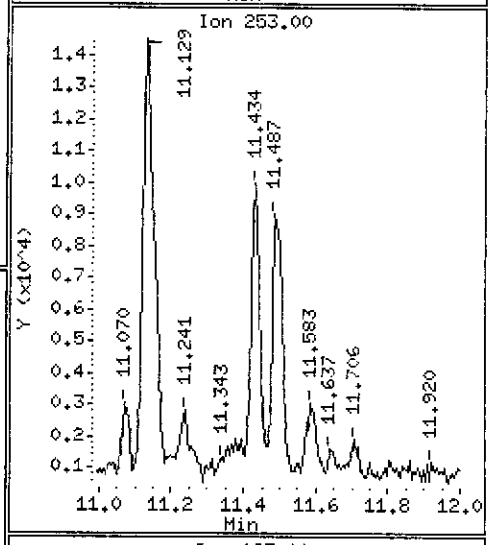
146 Benzo(a)pyrene

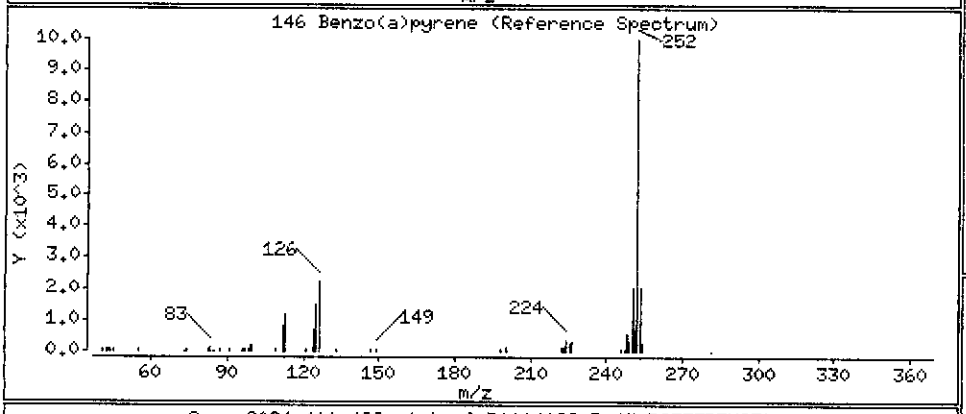
Concentration: 327.89 ug/kg

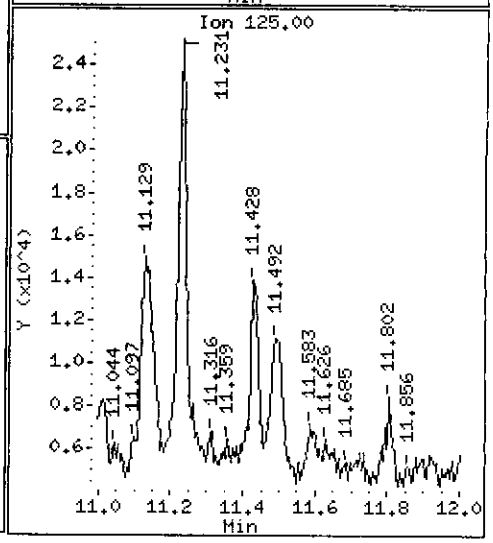


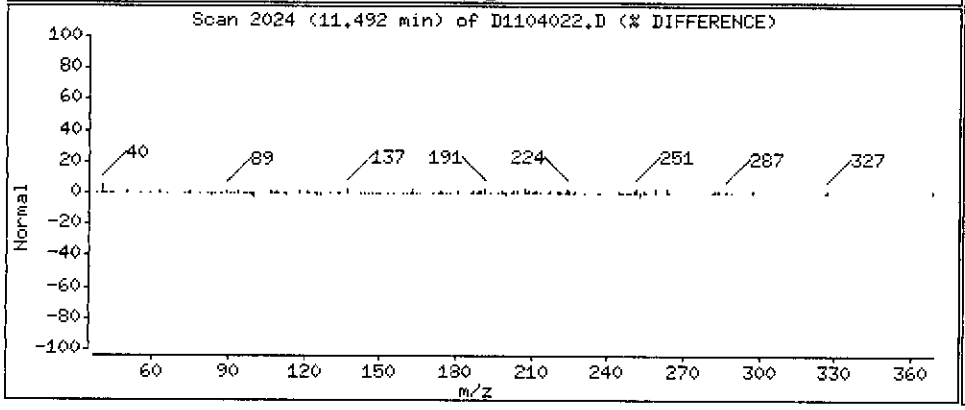












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104022.D

Date : 04-NOV-2010 19:27

Client ID: 20100842 SD10-04

Instrument: 732.i

Sample Info: c0k030562-007 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

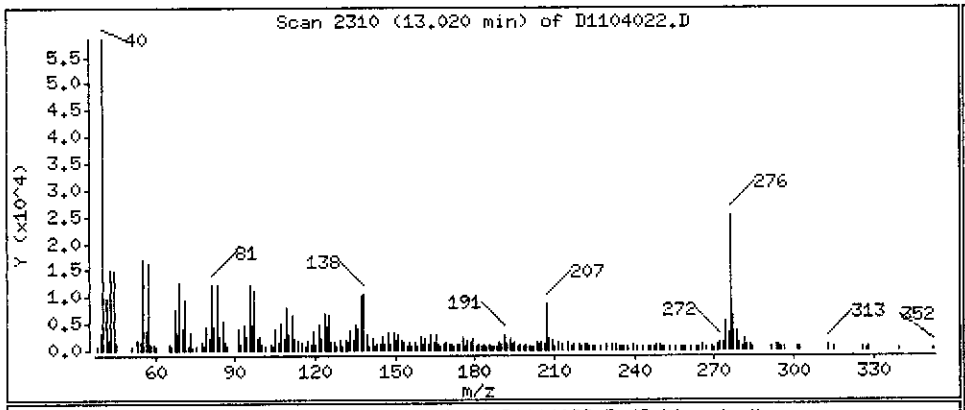
Operator: 430261nc

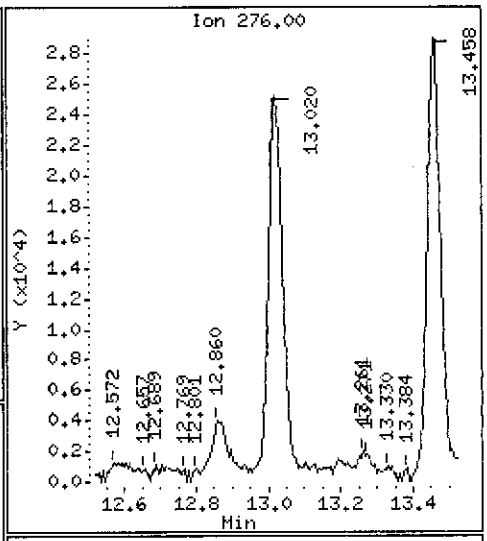
Column phase: DB5-MS

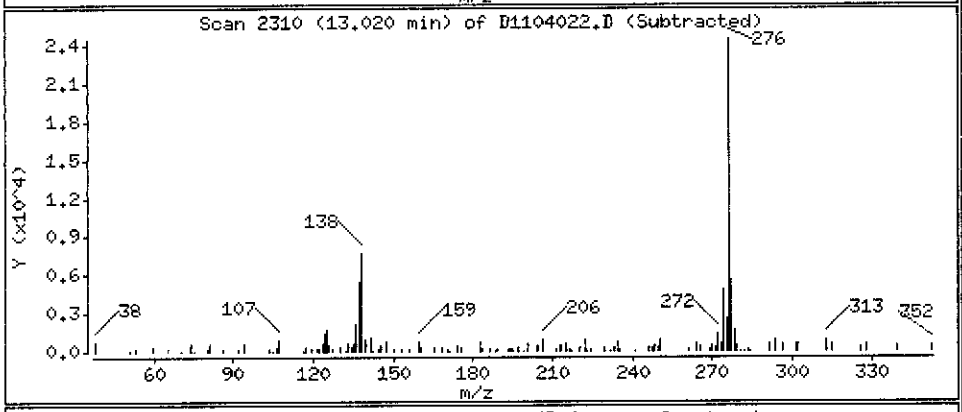
Column diameter: 0.32

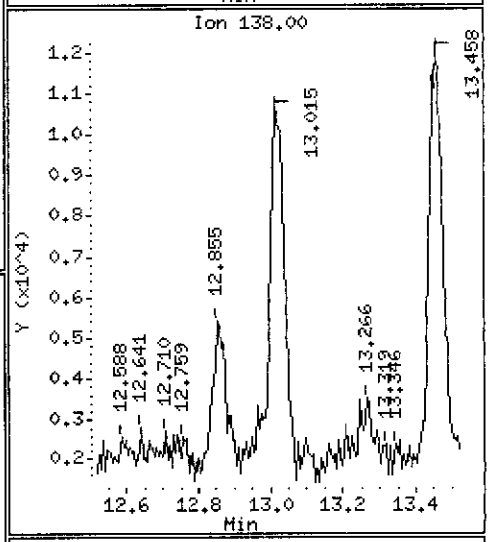
149 Indeno(1,2,3-cd)pyrene

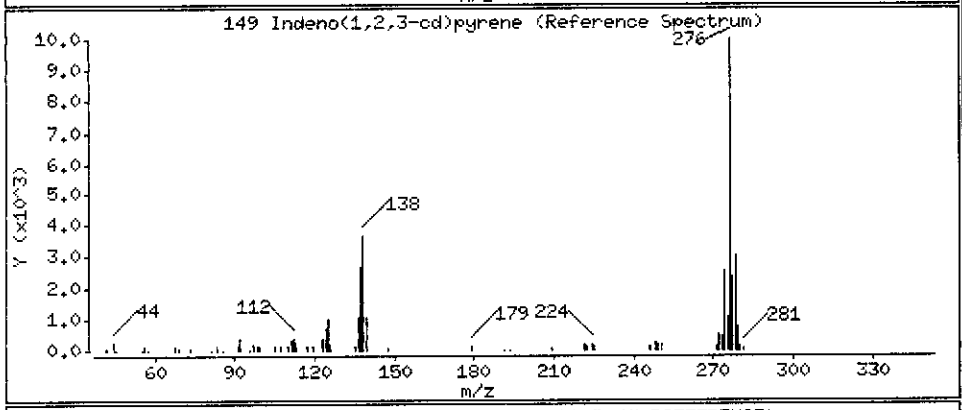
Concentration: 289.89 ug/kg

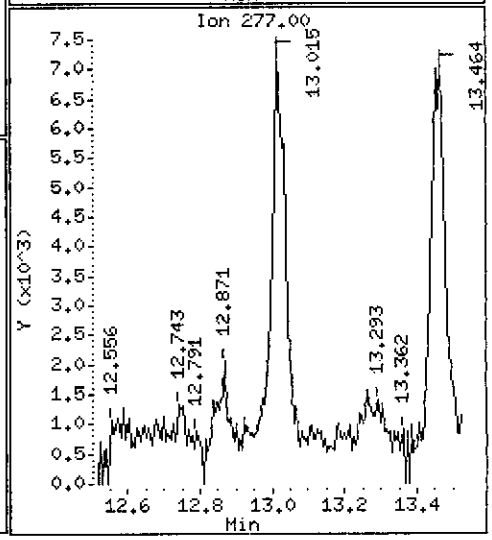


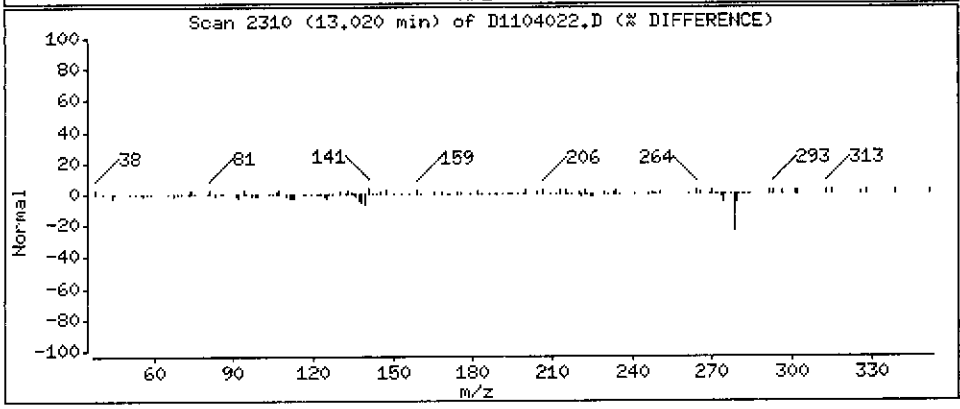












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104022.D

Date : 04-NOV-2010 19:27

Client ID: 20100842 SD10-04

Instrument: 732.i

Sample Info: c0k030562-007 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

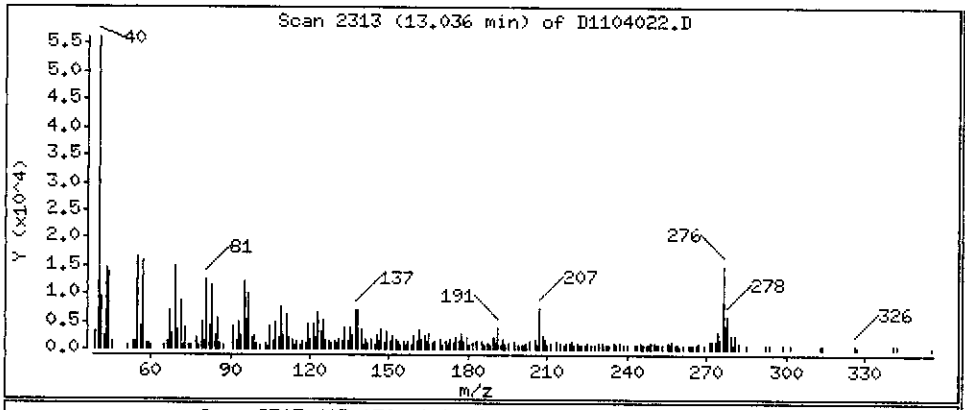
Operator: 430261nc

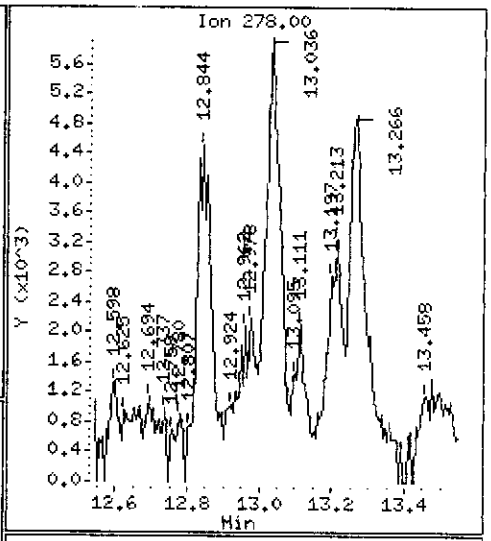
Column phase: DB5-MS

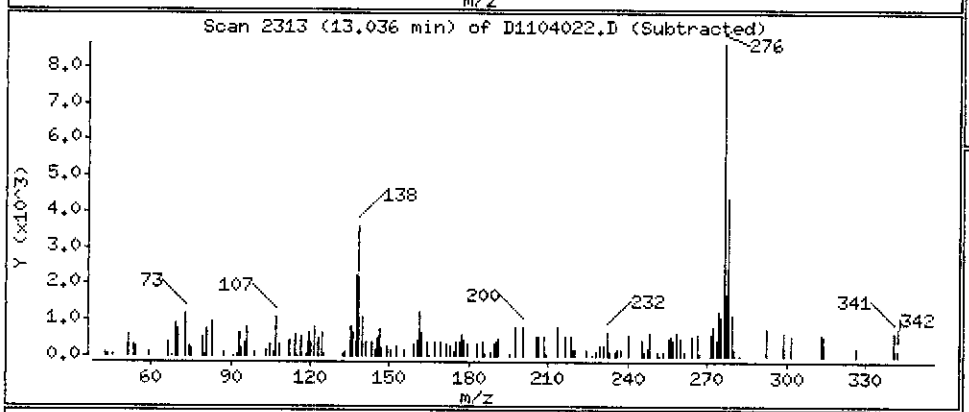
Column diameter: 0.32

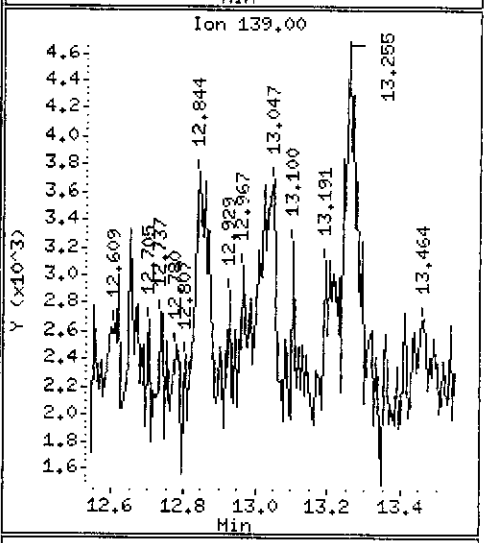
150 Dibenz(a,h)anthracene

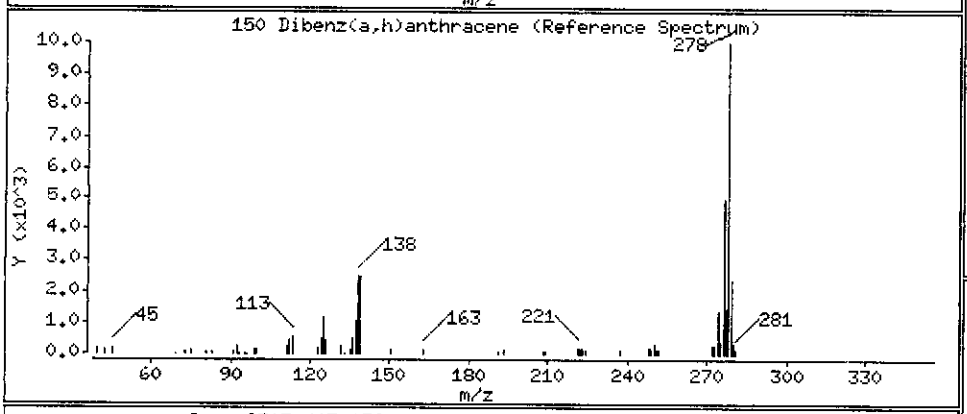
Concentration: 204.37 ug/kg

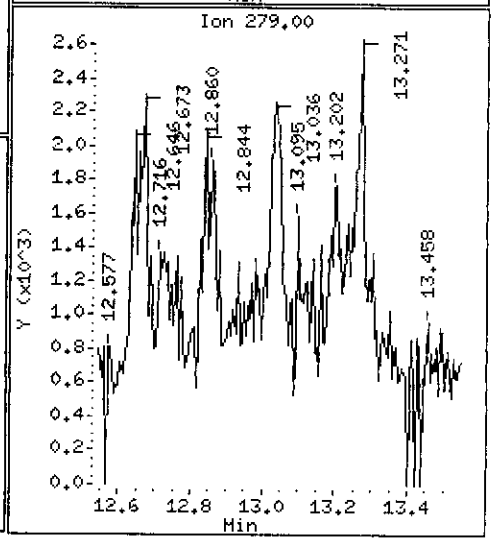


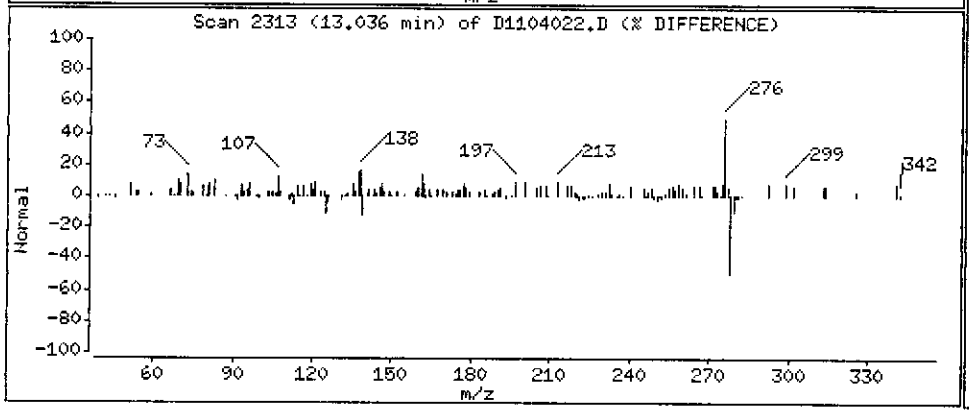












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104022.D

Date : 04-NOV-2010 19:27

Client ID: 20100842 SD10-04

Instrument: 732.i

Sample Info: c0k030562-007 20x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

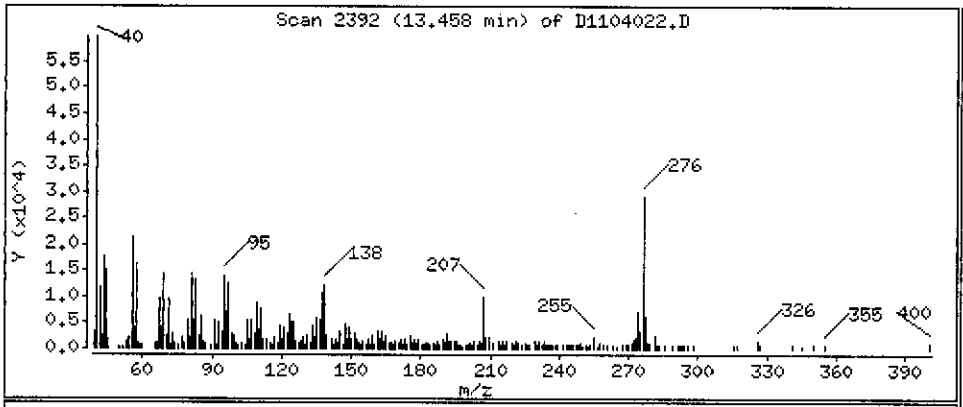
Operator: 430261nc

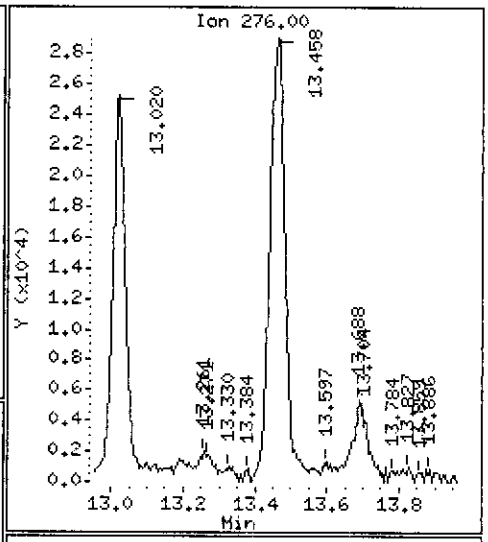
Column phase: DB5-MS

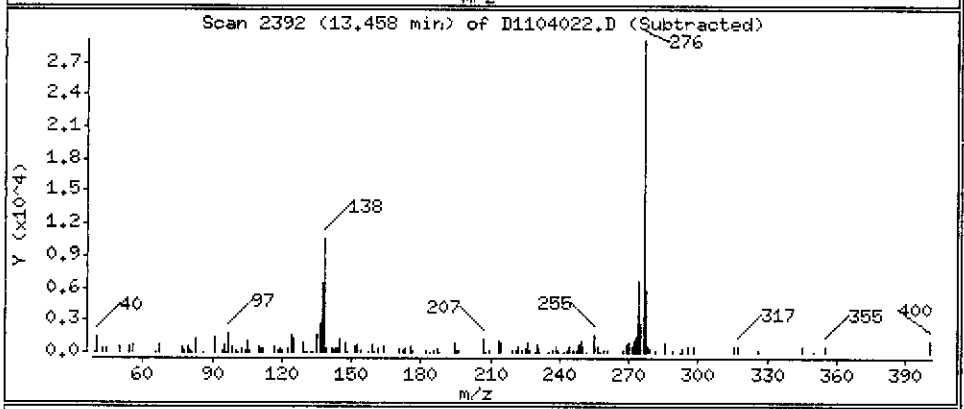
Column diameter: 0.32

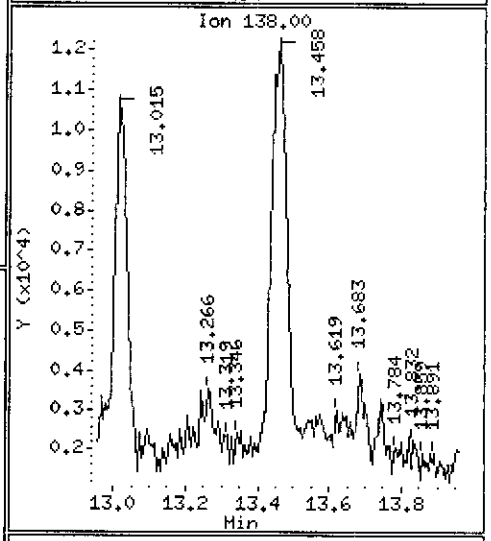
151 Benzo(g,h,i)perylene

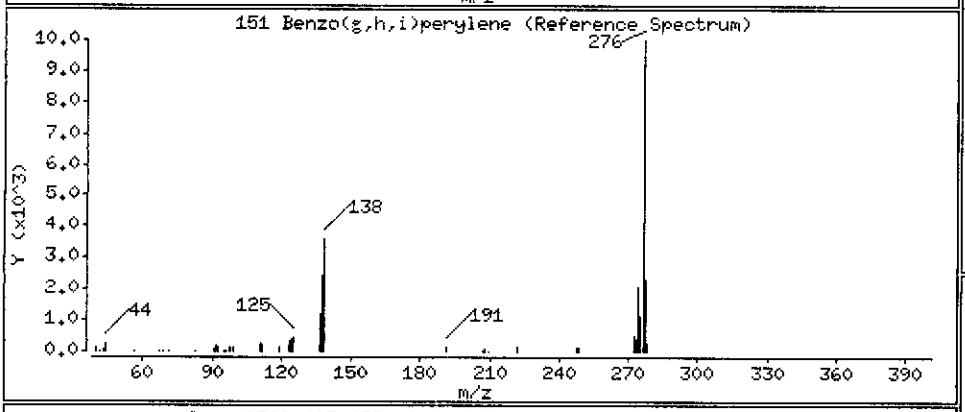
Concentration: 262.58 ug/kg

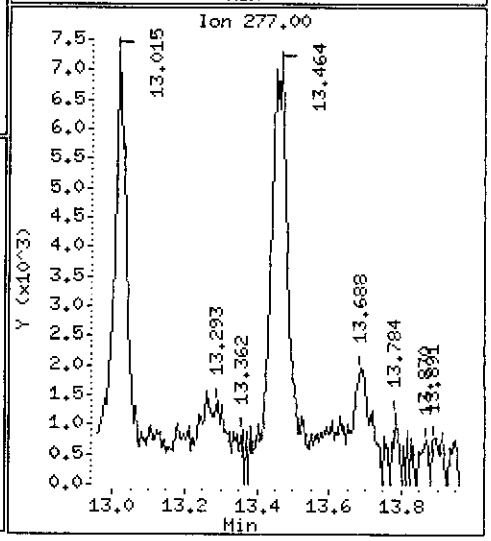


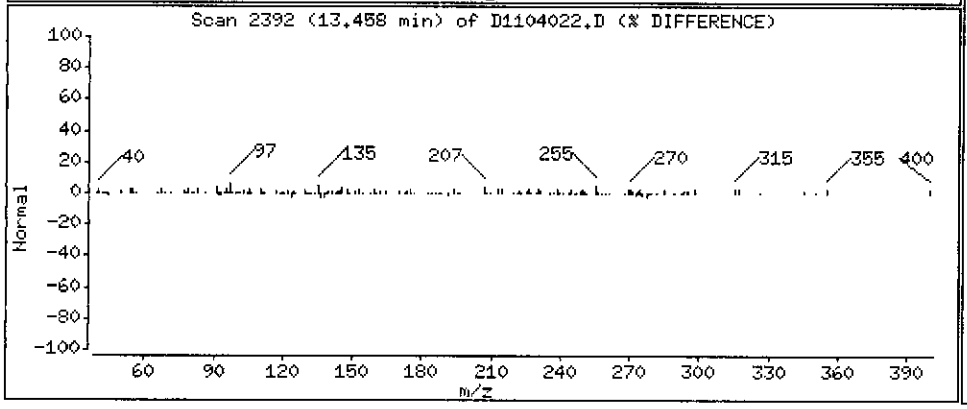




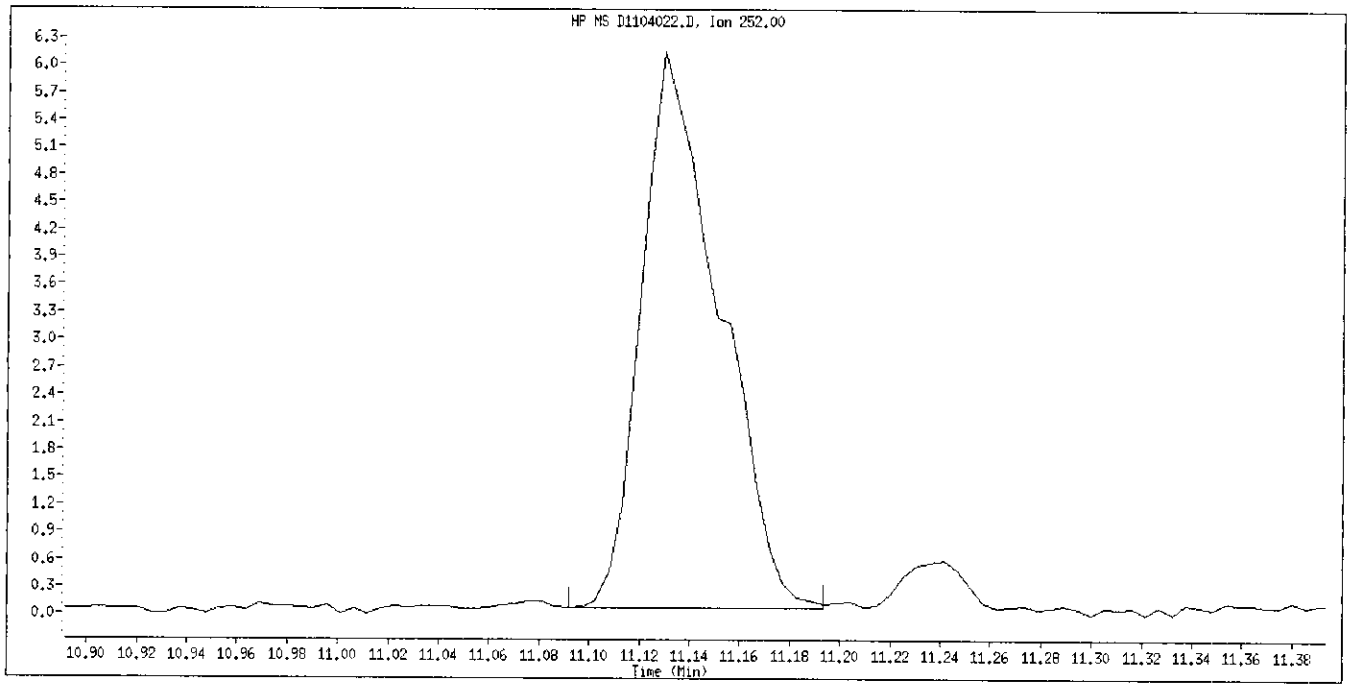




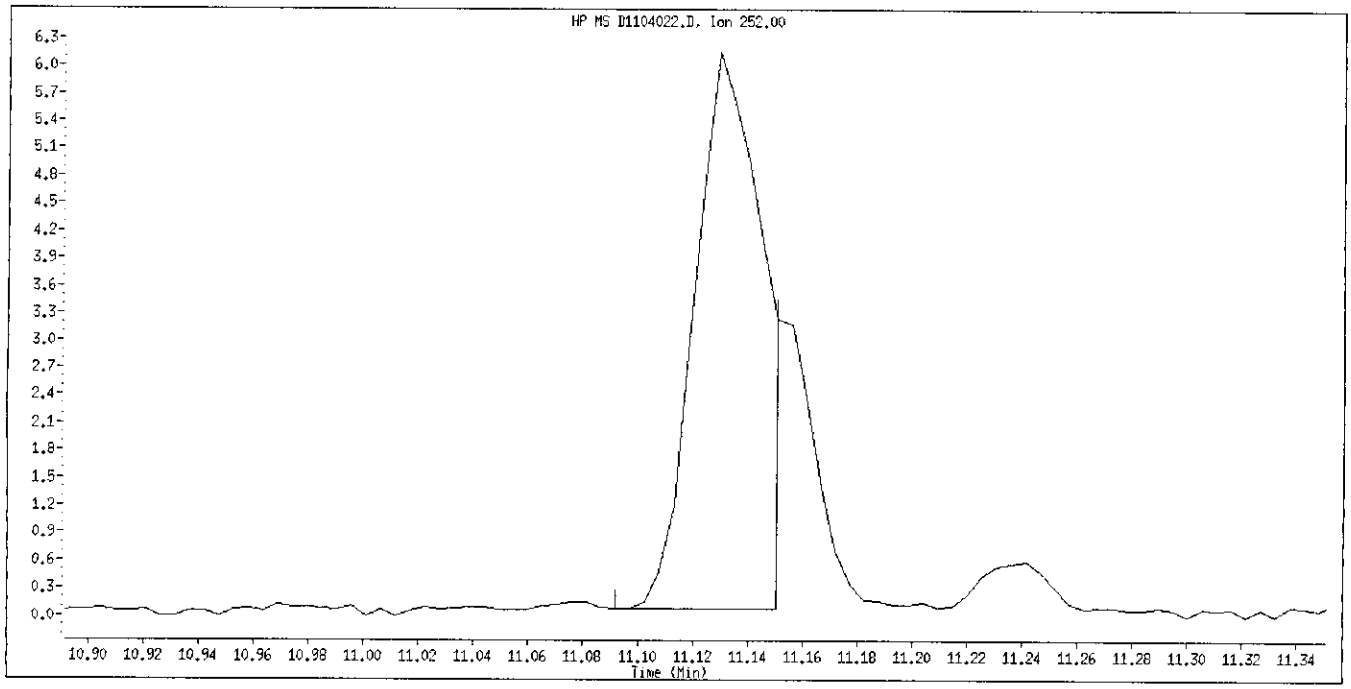




Data File Name: D1104022.D
Inj. Date and Time: 04-NOV-2010 19:27
Instrument ID: 732.i
Client ID: 20100842 SD10-04
Compound Name: Benzo(b)fluoranthene
CAS #: 205-99-2



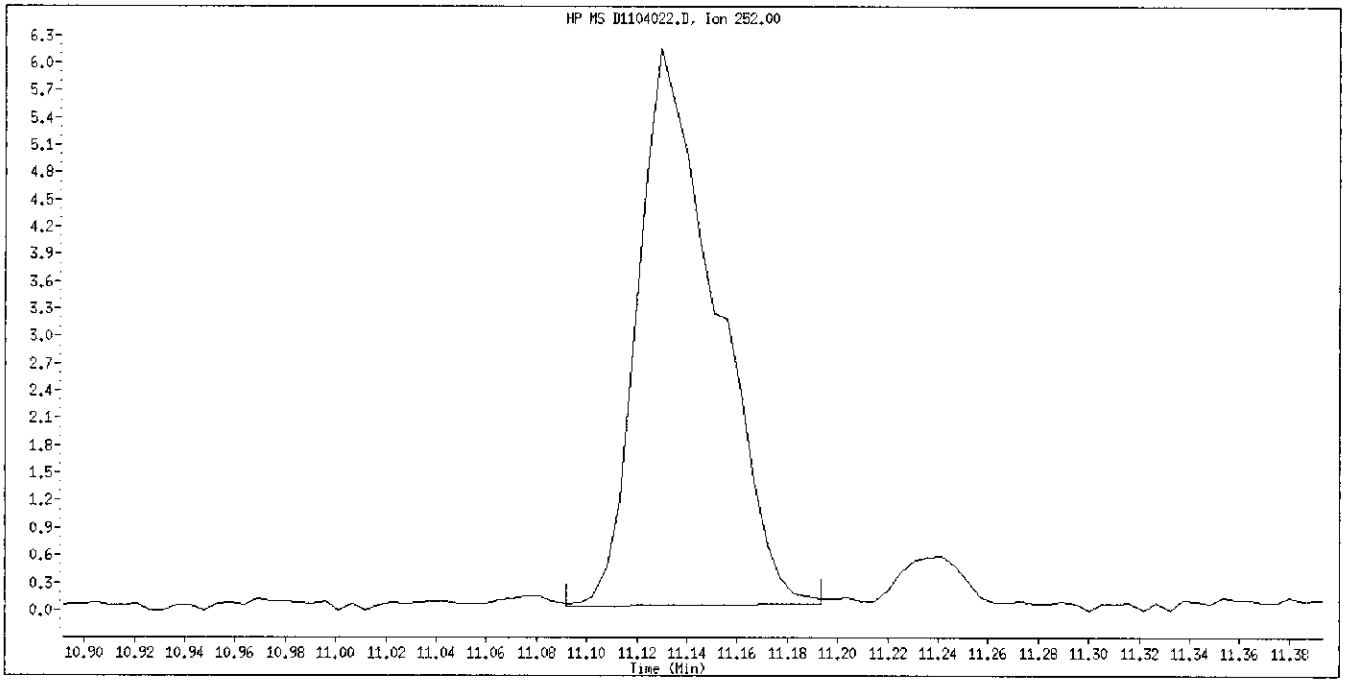
Original Integration



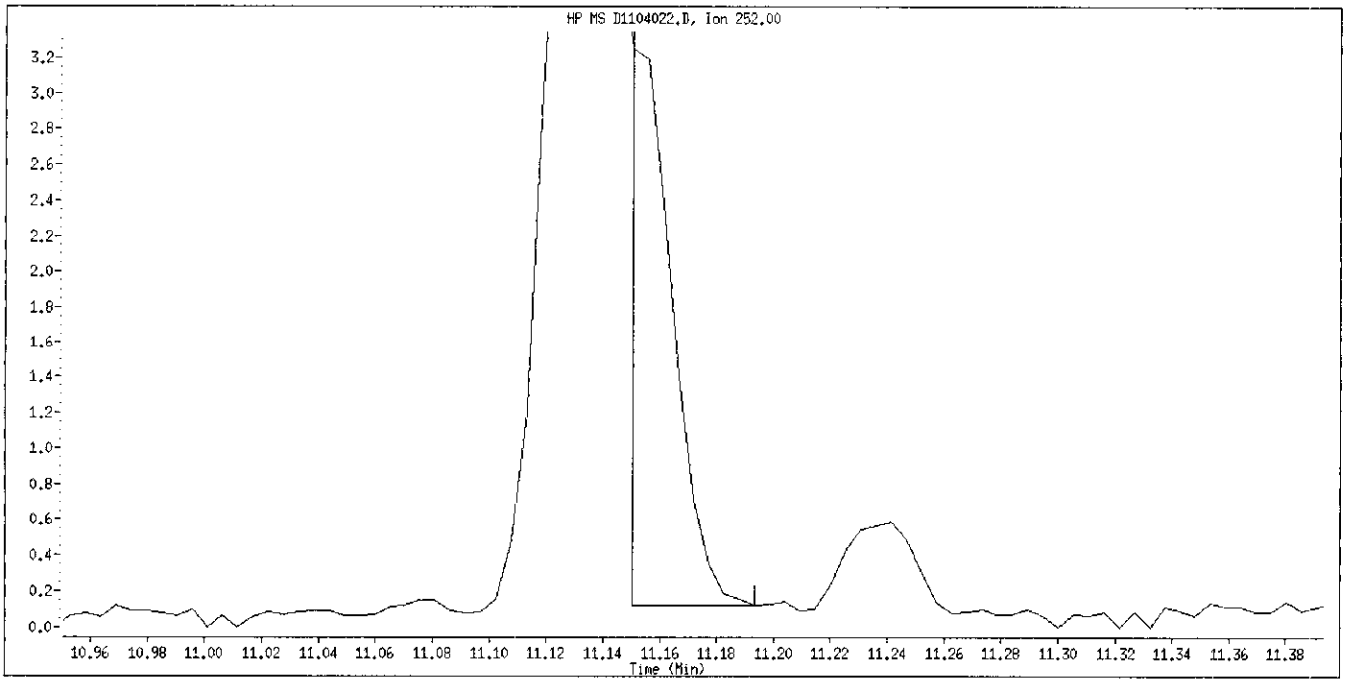
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1104022.D
Inj. Date and Time: 04-NOV-2010 19:27
Instrument ID: 732.i
Client ID: 20100842 SD10-04
Compound Name: Benzo(k)fluoranthene
CAS #: 207-08-9



Original Integration



Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Leo Brausch Consulting

Client Sample ID: 20100876 RSD10-01SV

GC/MS Semivolatiles

Lot-Sample #...:	C0K030562-008	**Work Order #...:**	L9HJG1AK	**Matrix.....:**	SOLID
Date Sampled...:	10/19/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308011
Prep Date.....:	11/04/10	**Analysis Date..:**	11/04/10		
Prep Batch #...:	0308035	**Analysis Time..:**	20:05		
Dilution Factor:	2.48	**Initial Wgt/Vol:**	30.3 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	88	**Analyst ID.....:**	430261	**Instrument ID..:**	732
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	140	ug/kg	14
Acenaphthylene	ND	140	ug/kg	16
Acetophenone	ND	710	ug/kg	59
Anthracene	**14 J**	**140**	**ug/kg**	**14**
Atrazine	ND	710	ug/kg	70
Benzo(a)anthracene	**68 J**	**140**	**ug/kg**	**18**
Benzo(a)pyrene	**380**	**140**	**ug/kg**	**14**
Benzo(b)fluoranthene	**92 J**	**140**	**ug/kg**	**22**
Benzo(ghi)perylene	**99 J**	**140**	**ug/kg**	**14**
Benzo(k)fluoranthene	**79 J**	**140**	**ug/kg**	**29**
Benzaldehyde	ND	710	ug/kg	110
1,1'-Biphenyl	ND	710	ug/kg	66
bis(2-Chloroethoxy) methane	ND	710	ug/kg	47
bis(2-Chloroethyl)-ether	ND	140	ug/kg	19
bis(2-Ethylhexyl) phthalate	ND	710	ug/kg	120
4-Bromophenyl phenyl ether	ND	710	ug/kg	62
Butyl benzyl phthalate	ND	710	ug/kg	98
Caprolactam	ND	3600	ug/kg	550
Carbazole	ND	140	ug/kg	13
4-Chloroaniline	ND	710	ug/kg	57
4-Chloro-3-methylphenol	ND	710	ug/kg	66
2-Chloronaphthalene	ND	140	ug/kg	15
2-Chlorophenol	ND	710	ug/kg	58
4-Chlorophenyl phenyl ether	ND	710	ug/kg	79
Chrysene	**86 J**	**140**	**ug/kg**	**17**
Dibenz(a,h)anthracene	ND	140	ug/kg	16
Dibenzofuran	ND	710	ug/kg	70
3,3'-Dichlorobenzidine	ND	710	ug/kg	76
2,4-Dichlorophenol	ND	140	ug/kg	14
Diethyl phthalate	ND	710	ug/kg	78
2,4-Dimethylphenol	ND	710	ug/kg	110
Dimethyl phthalate	ND	710	ug/kg	78

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100876 RSD10-01SV

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-008 **Work Order #...:** L9HJG1AK **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Di-n-butyl phthalate	ND	710	ug/kg	90
4,6-Dinitro-2-methylphenol	ND	3600	ug/kg	290
2,4-Dinitrophenol	ND	3600	ug/kg	850
2,4-Dinitrotoluene	ND	710	ug/kg	58
2,6-Dinitrotoluene	ND	710	ug/kg	74
Di-n-octyl phthalate	ND	710	ug/kg	75
Fluoranthene	**110 J**	**140**	**ug/kg**	**15**
Fluorene	ND	140	ug/kg	19
Hexachlorobenzene	ND	140	ug/kg	15
Hexachlorobutadiene	ND	140	ug/kg	16
Hexachlorocyclopentadiene	ND	710	ug/kg	77
Hexachloroethane	ND	710	ug/kg	51
Indeno(1,2,3-cd)pyrene	**370**	**140**	**ug/kg**	**15**
Isophorone	ND	710	ug/kg	54
2-Methylnaphthalene	ND	140	ug/kg	13
2-Methylphenol	ND	710	ug/kg	50
4-Methylphenol	ND	710	ug/kg	70
Naphthalene	ND	140	ug/kg	12
2-Nitroaniline	ND	3600	ug/kg	320
3-Nitroaniline	ND	3600	ug/kg	290
4-Nitroaniline	ND	3600	ug/kg	290
Nitrobenzene	ND	140	ug/kg	60
2-Nitrophenol	ND	710	ug/kg	79
4-Nitrophenol	ND	3600	ug/kg	240
N-Nitrosodi-n-propylamine	ND	140	ug/kg	17
N-Nitrosodiphenylamine	ND	140	ug/kg	66
2,2'-oxybis (1-Chloropropane)	ND	140	ug/kg	15
Pentachlorophenol	ND	710	ug/kg	64
Phenanthrene	**56 J**	**140**	**ug/kg**	**23**
Phenol	ND	140	ug/kg	17
Pyrene	**87 J**	**140**	**ug/kg**	**14**
2,4,5-Trichlorophenol	ND	710	ug/kg	76
2,4,6-Trichlorophenol	ND	710	ug/kg	110

(Continued on next page)

Leo Brausch Consulting

Client Sample ID: 20100876 RSD10-01SV

GC/MS Semivolatiles

Lot-Sample #...: C0K030562-008 **Work Order #...:** L9HJG1AK **Matrix.....:** SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	64	(27 - 110)
Terphenyl-d14	49	(21 - 130)
2-Fluorobiphenyl	55	(28 - 108)
2-Fluorophenol	55	(28 - 107)
Phenol-d5	56	(30 - 112)
2,4,6-Tribromophenol	45	(21 - 116)

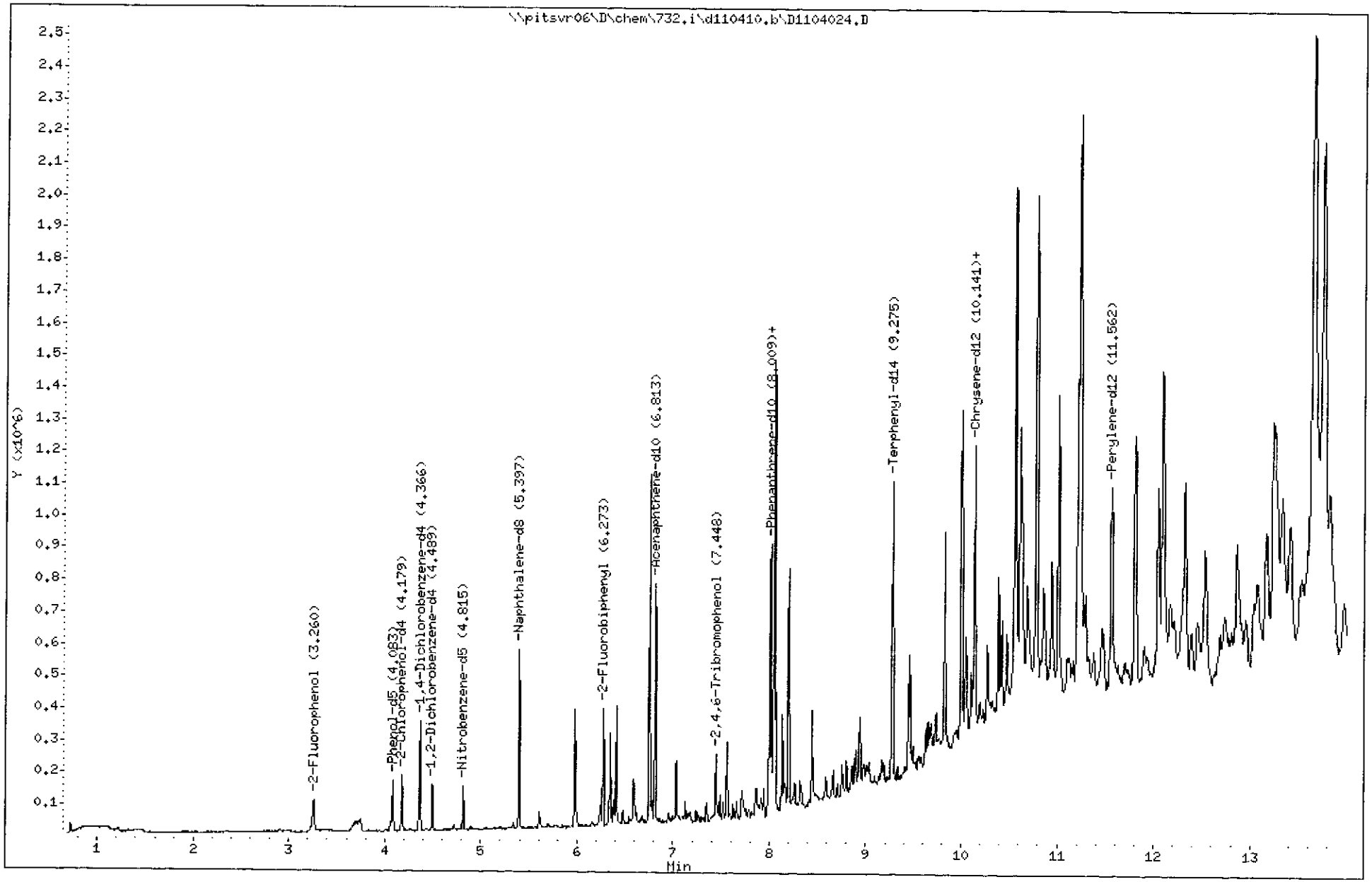
NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104024.D
Date : 04-NOV-2010 20:05
Client ID: 20100876 RSD10-01
Sample Info: c0k030562-008 5x 11/04/10 sedS42(0308035)
Volume Injected (uL): 2.0
Column phase: DB5-MS

Instrument: 732.i
Operator: 430261nc
Column diameter: 0.32



C0K030562 1212 (1001 - 1489)

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d110410.b\D1104024.D
Lab Smp Id: l9hjg1ak Client Smp ID: 20100876 RSD10-01
Inj Date : 04-NOV-2010 20:05
Operator : 430261nc Inst ID: 732.i
Smp Info : c0k030562-008 5x 11/04/10 sedS42(0308035)
Misc Info : l9hjg1ak,d110410.b,ll.m,3-root.sub
Comment :
Method : \\pitsvr06\D\chem\732.i\d110410.b\ll.m
Meth Date : 08-Nov-2010 18:58 campisin Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 26
Dil Factor: 5.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws)*1 * CpndVariable

Name	Value	Description
DF	5.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.300	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)
* 1	1,4-Dichlorobenzene-d4	152	4.365	4.382	(1.000)	49007	8.00000	
* 2	Naphthalene-d8	136	5.396	5.407	(1.000)	213780	8.00000	
* 3	Acenaphthene-d10	164	6.812	6.823	(1.000)	154951	8.00000	
* 4	Phenanthrene-d10	188	8.009	8.014	(1.000)	293951	8.00000	
* 5	Chrysene-d12	240	10.140	10.140	(1.000)	350256	8.00000	
* 6	Perylene-d12	264	11.561	11.556	(1.000)	383413	8.00000	
198	1,4-Dioxane	88	Compound Not Detected.					
10	N-Nitrosodimethylamine	74	Compound Not Detected.					
9	Pyridine	79	Compound Not Detected.					
16	Methyl methanesulfonate	80	Compound Not Detected.					
206	Benzaldehyde	77	Compound Not Detected.					
21	Aniline	93	Compound Not Detected.					
22	Phenol	94	Compound Not Detected.					
23	bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24	2-Chlorophenol	128	Compound Not Detected.					
26	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
28	1,2-Dichlorobenzene	146	Compound Not Detected.					
29	Benzyl Alcohol	108	Compound Not Detected.					
217	Indene	116	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
30	2-Methylphenol	108	Compound Not Detected.					
31	2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
36	N-Nitrosopyrrolidine	100	Compound Not Detected.					
37	Acetophenone	105	Compound Not Detected.					
32	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192	4-Methylphenol	108	Compound Not Detected.					
34	Hexachloroethane	117	Compound Not Detected.					
35	Nitrobenzene	77	Compound Not Detected.					
41	Isophorone	82	Compound Not Detected.					
42	2-Nitrophenol	139	Compound Not Detected.					
43	2,4-Dimethylphenol	107	Compound Not Detected.					
44	bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48	2,4-Dichlorophenol	162	Compound Not Detected.					
49	Benzoic Acid	122	Compound Not Detected.					
50	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51	Naphthalene	128	Compound Not Detected.					
52	4-Chloroaniline	127	Compound Not Detected.					
54	2,6-Dichlorophenol	162	Compound Not Detected.					
56	Hexachlorobutadiene	224	Compound Not Detected.					
208	Caprolactam	113	Compound Not Detected.					
59	4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62	2-Methylnaphthalene	142	Compound Not Detected.					
63	1-Methylnaphthalene	142	Compound Not Detected.					
64	Hexachlorocyclopentadiene	236	Compound Not Detected.					
65	1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66	2,4,6-Trichlorophenol	196	Compound Not Detected.					
67	2,4,5-Trichlorophenol	196	Compound Not Detected.					
209	1,1'-Biphenyl	154	Compound Not Detected.					
70	2-Chloronaphthalene	162	Compound Not Detected.					
73	2-Nitroaniline	65	Compound Not Detected.					
76	Dimethylphthalate	163	Compound Not Detected.					
78	2,6-Dinitrotoluene	165	Compound Not Detected.					
79	Acenaphthylene	152	Compound Not Detected.					
81	3-Nitroaniline	138	Compound Not Detected.					
82	Acenaphthene	153	Compound Not Detected.					
83	2,4-Dinitrophenol	184	Compound Not Detected.					
85	4-Nitrophenol	109	Compound Not Detected.					
86	Dibenzofuran	168	Compound Not Detected.					
87	2,4-Dinitrotoluene	165	Compound Not Detected.					
91	2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88	2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92	2-Naphthylamine	143	Compound Not Detected.					
93	Diethylphthalate	149	Compound Not Detected.					
94	Fluorene	166	Compound Not Detected.					
95	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96	4-Nitroaniline	138	Compound Not Detected.					
98	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99	N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100	1,2-Diphenylhydrazine	77	Compound Not Detected.					
106	4-Bromophenyl-phenylether	248	Compound Not Detected.					
107	Hexachlorobenzene	283	Compound Not Detected.					
210	Atrazine	200	Compound Not Detected.					
111	Pentachlorophenol	265	Compound Not Detected.					
115	Phenanthrene	178	8.025	8.030	(1.002)	6431	0.15638	6.4513

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
116 Anthracene	178	8.067	8.073	(1.007)	1574	0.03909	1.6126(Q)
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	8.981	8.987	(1.121)	13537	0.31394	12.951
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	9.168	9.168	(0.904)	12942	0.24371	10.054
131 Butylbenzylphthalate	149	9.659	9.665	(0.953)	5790	0.24459	10.090
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	10.130	10.130	(0.999)	8692	0.19066	7.8655(Q)
137 Chrysene	228	10.162	10.162	(1.002)	12134	0.24221	9.9923
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	11.129	11.129	(0.963)	11313	0.25781	10.636(M)
142 Benzo(k)fluoranthene	252	11.134	11.155	(0.963)	13919	0.22261	9.1836(M)
143 7,12-dimethylbenz(a)anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	11.492	11.497	(0.994)	12331	1.06034	43.743
149 Indeno(1,2,3-cd)pyrene	276	13.020	13.020	(1.126)	11012	1.03503	42.699
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	13.463	13.458	(1.164)	12729	0.27890	11.506(Q)
$ 154 Nitrobenzene-d5	82	4.814	4.825	(0.892)	37380	5.11799	211.14
$ 155 2-Fluorobiphenyl	172	6.272	6.283	(0.921)	91774	4.43119	182.80
$ 156 Terphenyl-d14	244	9.280	9.280	(0.915)	123408	3.93439	162.31
$ 157 Phenol-d5	99	4.082	4.098	(0.935)	53009	6.74707	278.34
$ 158 2-Fluorophenol	112	3.259	3.281	(0.747)	34924	6.57053	271.06
$ 159 2,4,6-Tribromophenol	330	7.448	7.453	(0.930)	16835	5.43220	224.10
$ 186 2-Chlorophenol-d4	132	4.178	4.195	(0.957)	47452	6.24258	257.53
$ 187 1,2-Dichlorobenzene-d4	152	4.488	4.504	(1.028)	23675	4.00260	165.12

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104024.D

Date : 04-NOV-2010 20:05

Client ID: 20100876 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-008 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

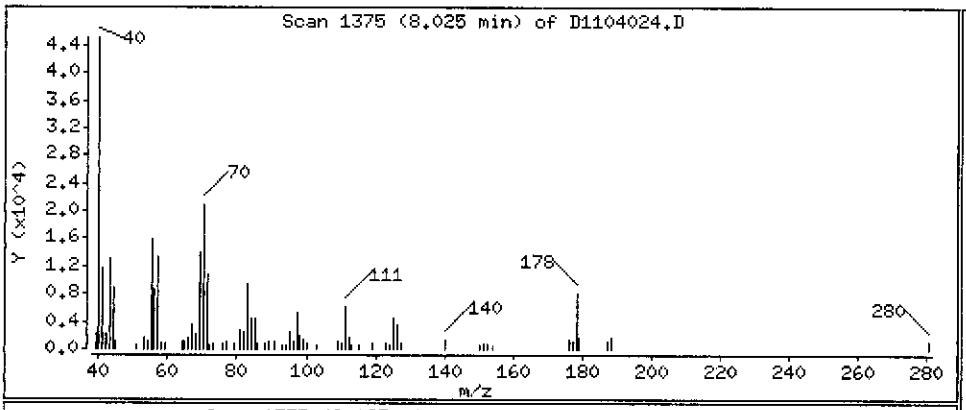
Operator: 430261nc

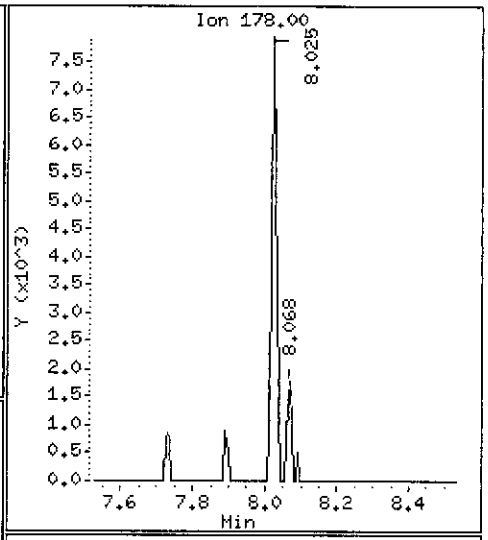
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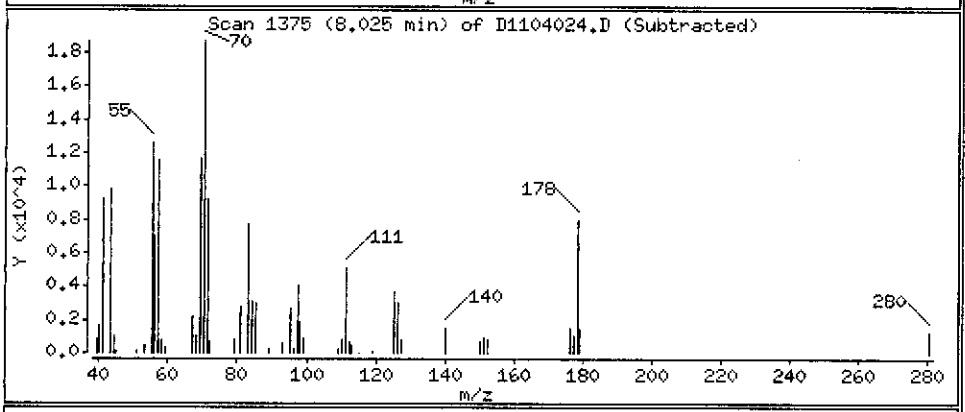
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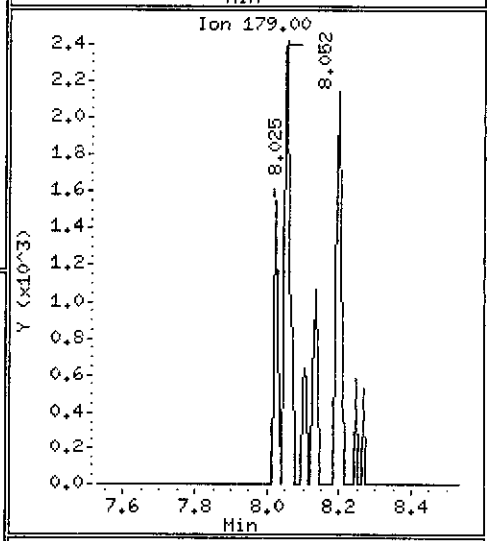
115 Phenanthrene

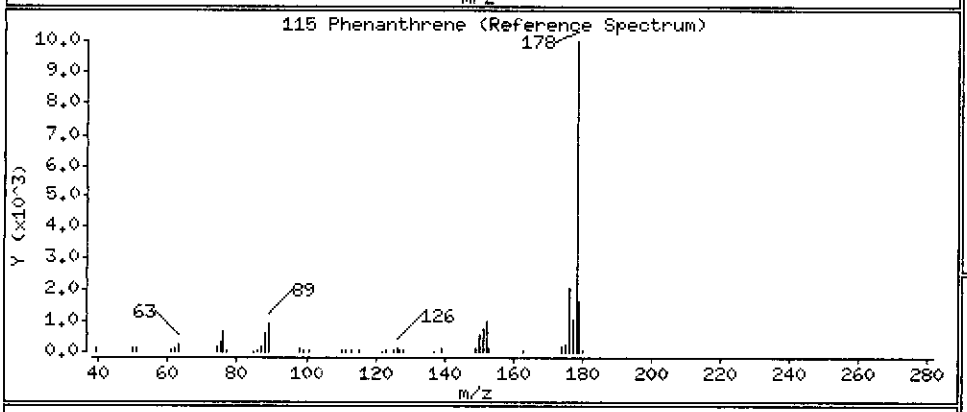
Concentration: 6.4513 ug/kg

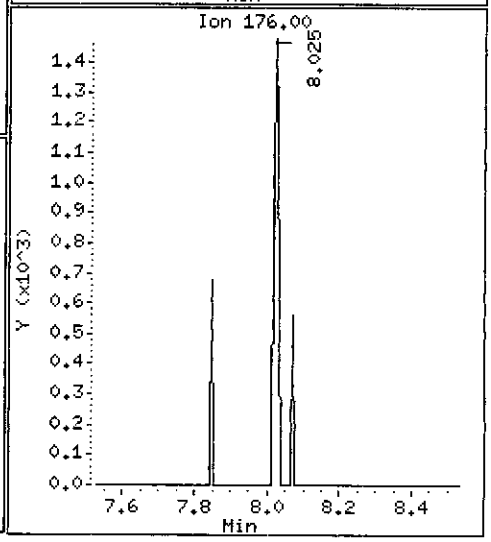


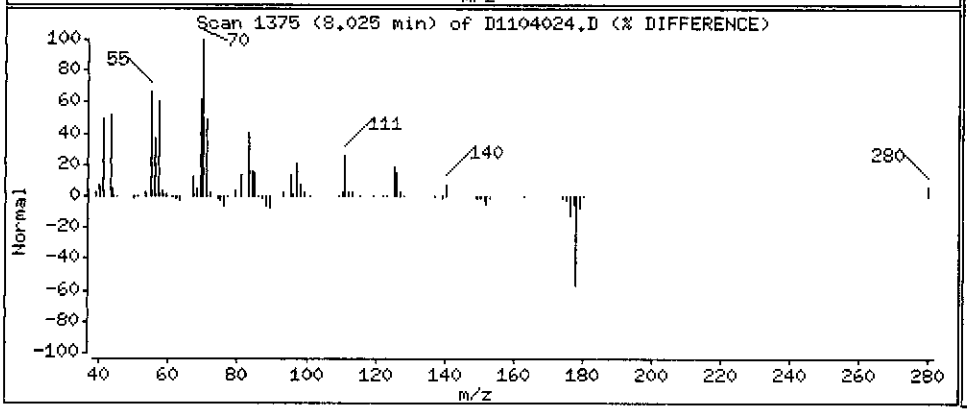












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104024.D

Date : 04-NOV-2010 20:05

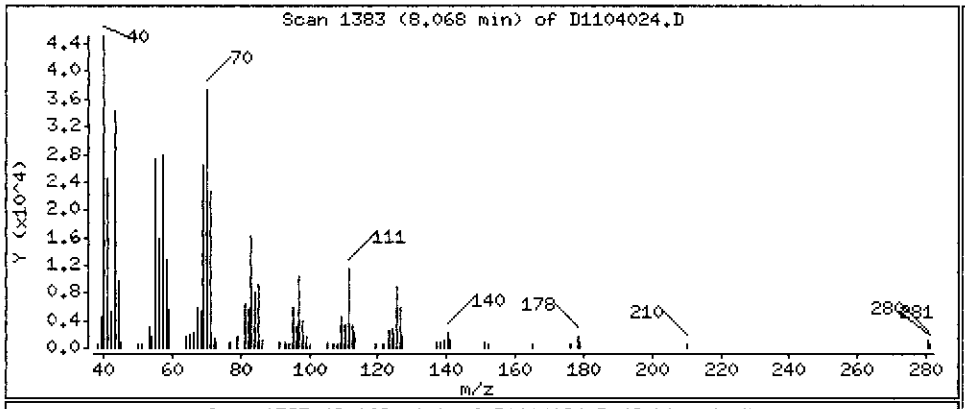
Client ID: 20100876 RSD10-01 Instrument: 732.i

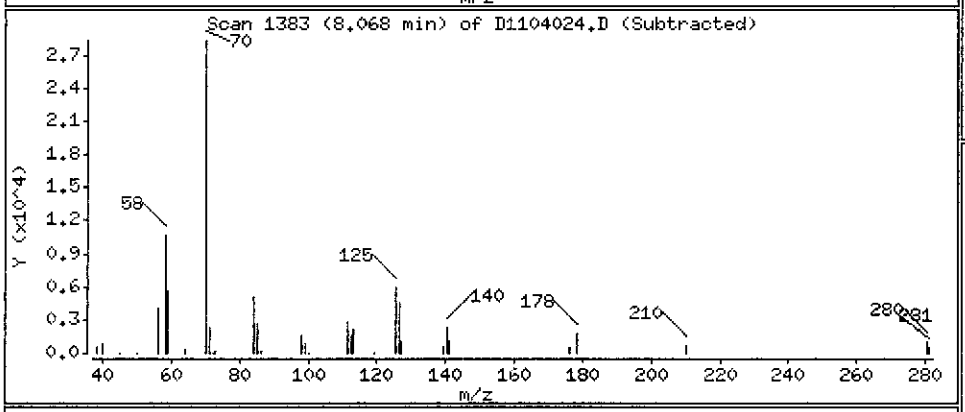
Sample Info: c0k030562-008 5x 11/04/10 sedS42(0308035)

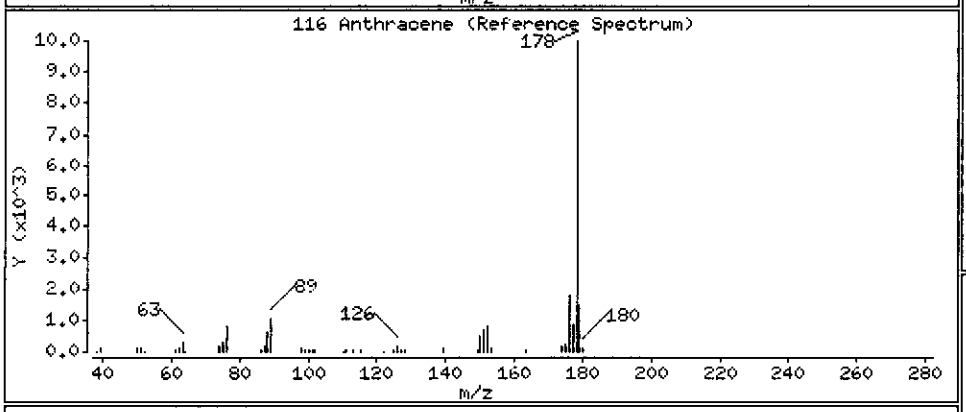
Volume Injected (uL): 2.0 Operator: 430261nc

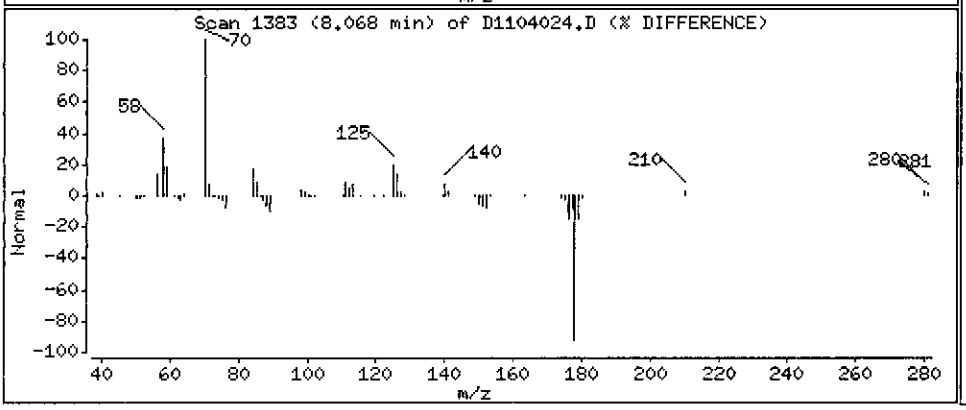
Column phase: DB5-MS Column diameter: 0.32

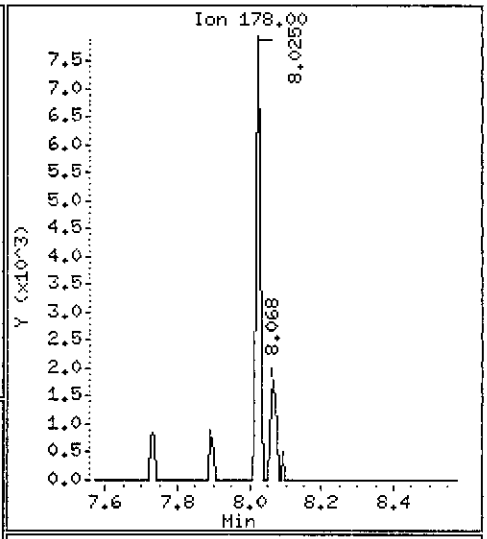
116 Anthracene Concentration: 1.6126 ug/kg

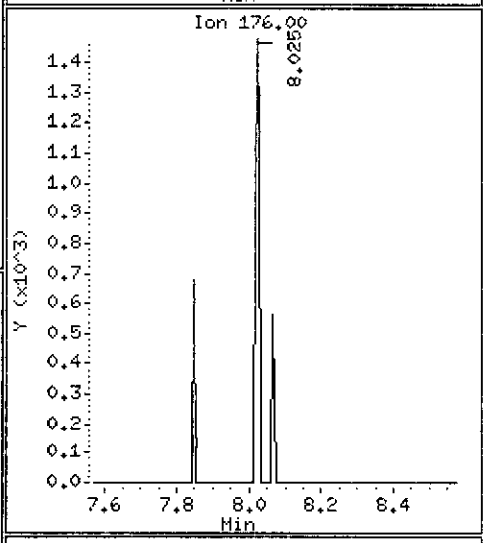


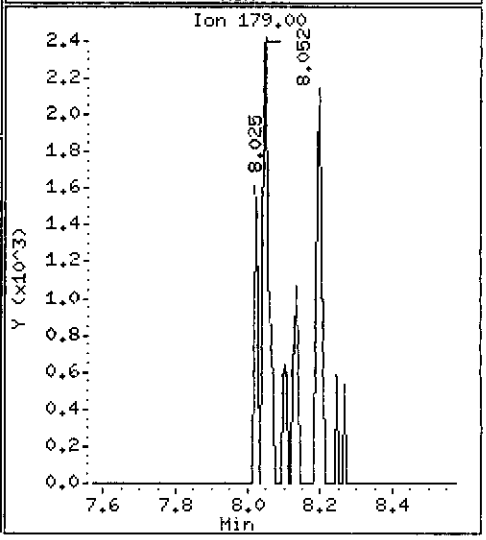












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104024.D

Date : 04-NOV-2010 20:05

Client ID: 20100876 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-008 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

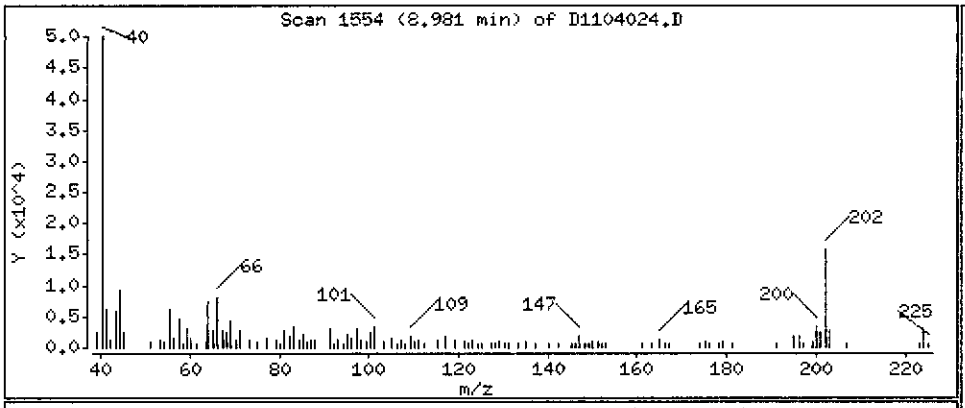
Operator: 430261nc

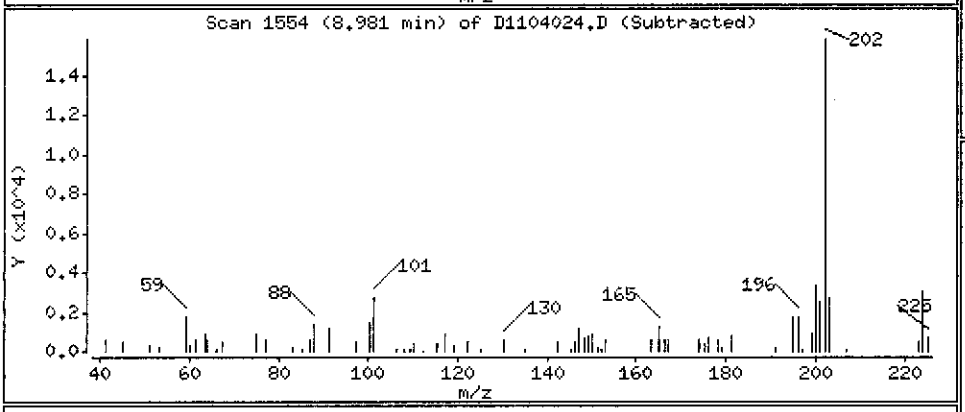
Column phase: DB5-MS

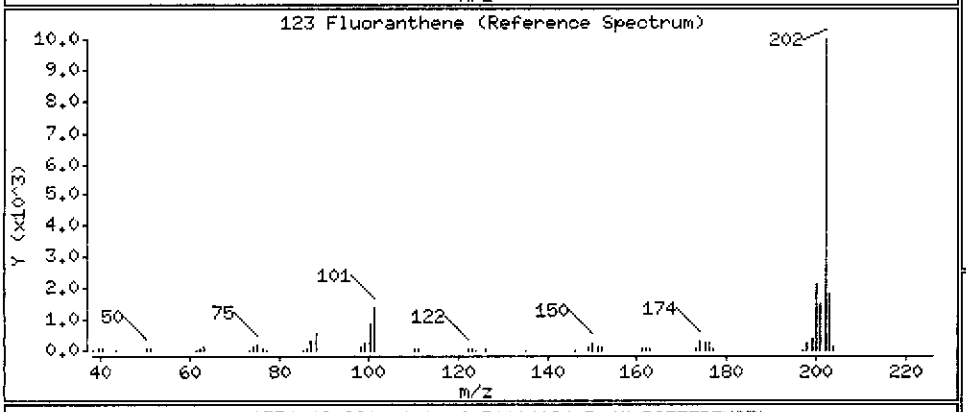
Column diameter: 0.32

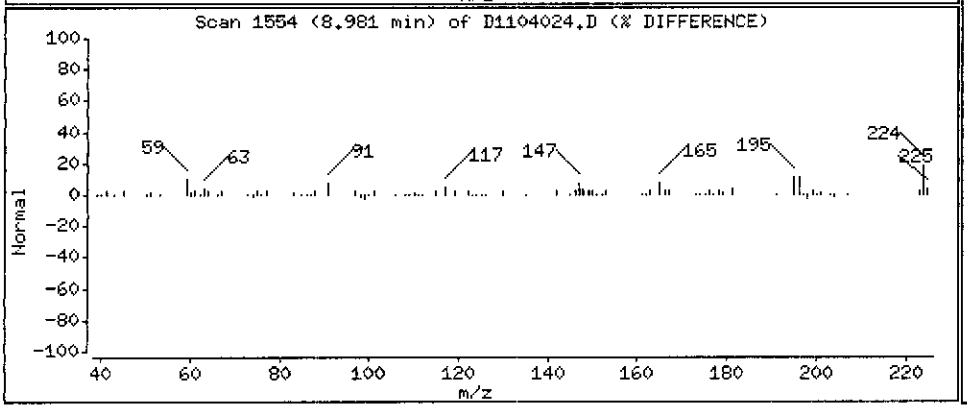
123 Fluoranthene

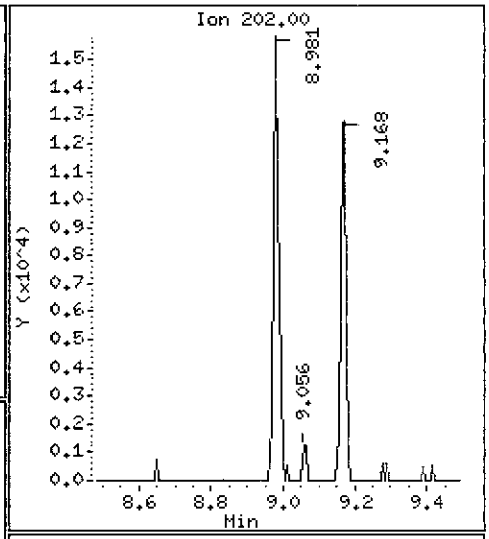
Concentration: 12.951 ug/kg

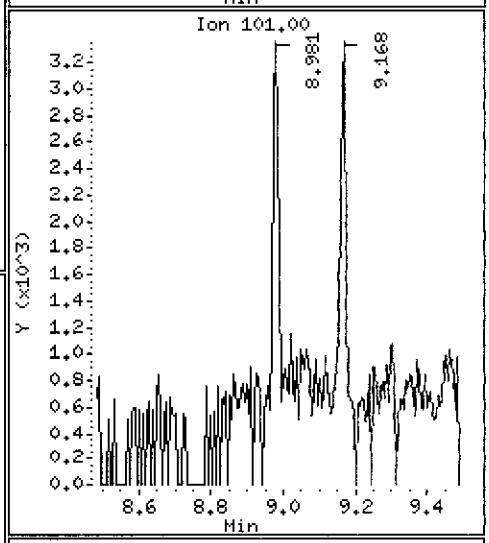


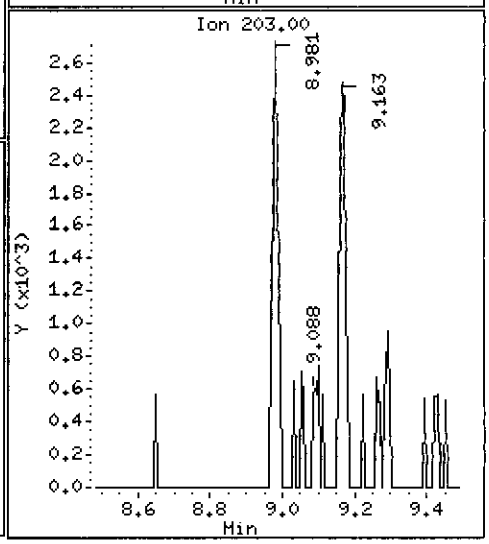












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104024.D

Date : 04-NOV-2010 20:05

Client ID: 20100876 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-008 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

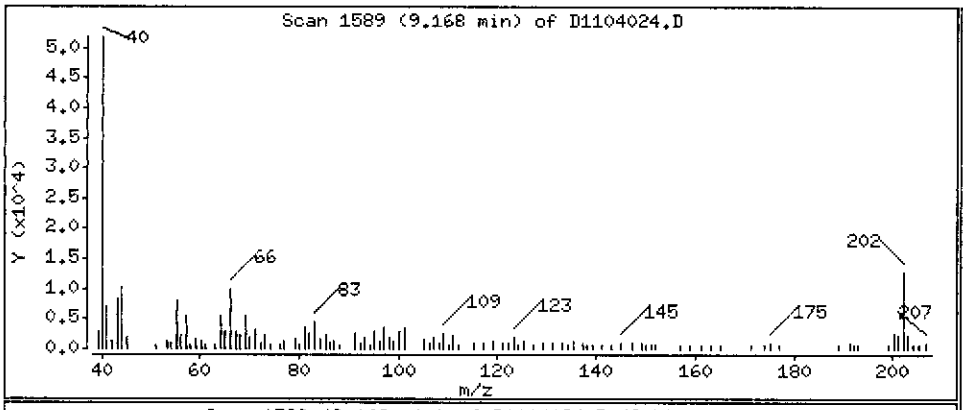
Operator: 430261nc

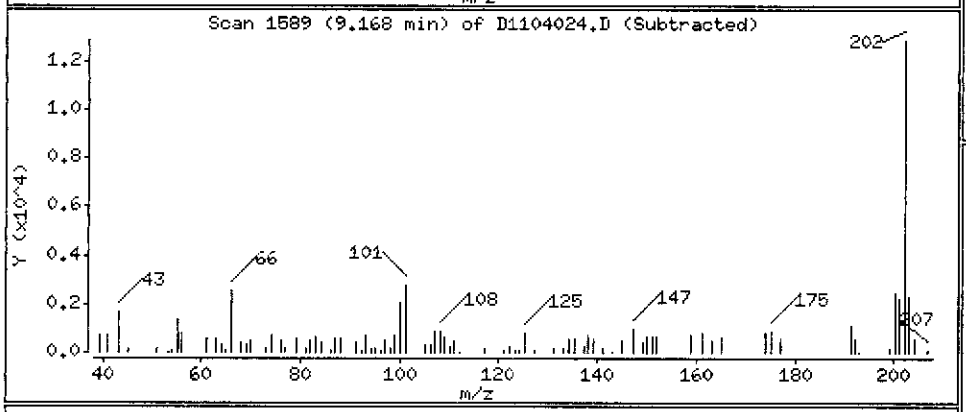
Column phase: DB5-MS

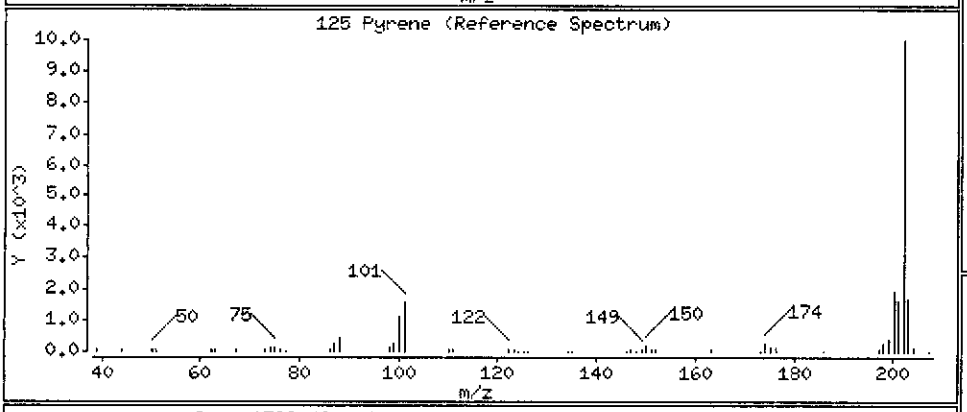
Column diameter: 0.32

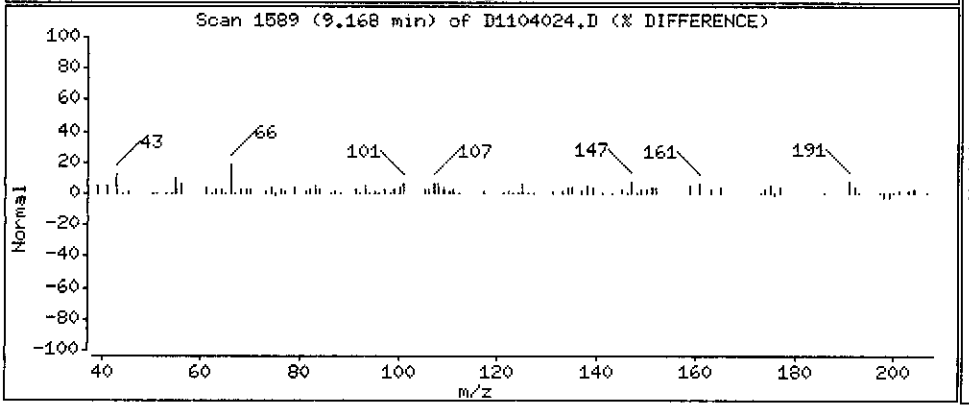
125 Pyrene

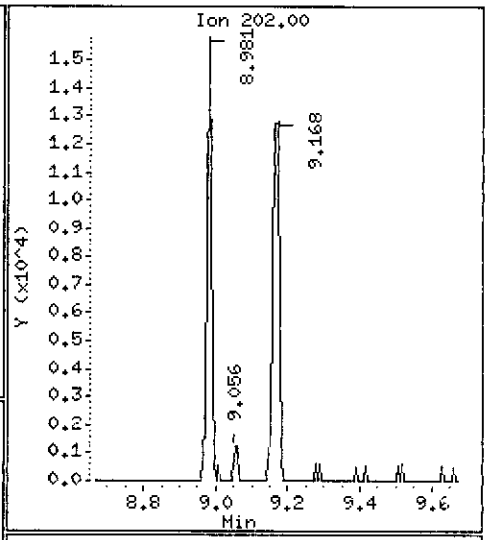
Concentration: 10.054 ug/kg

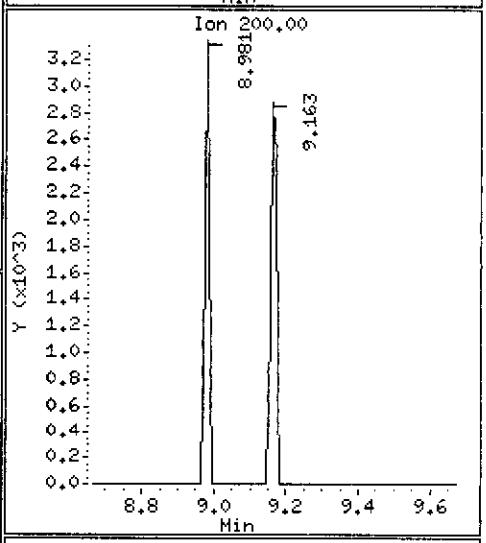


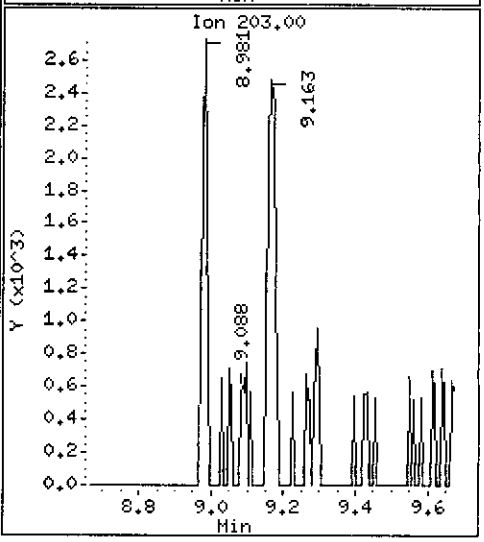












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104024.D

Date : 04-NOV-2010 20:05

Client ID: 20100876 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-008 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

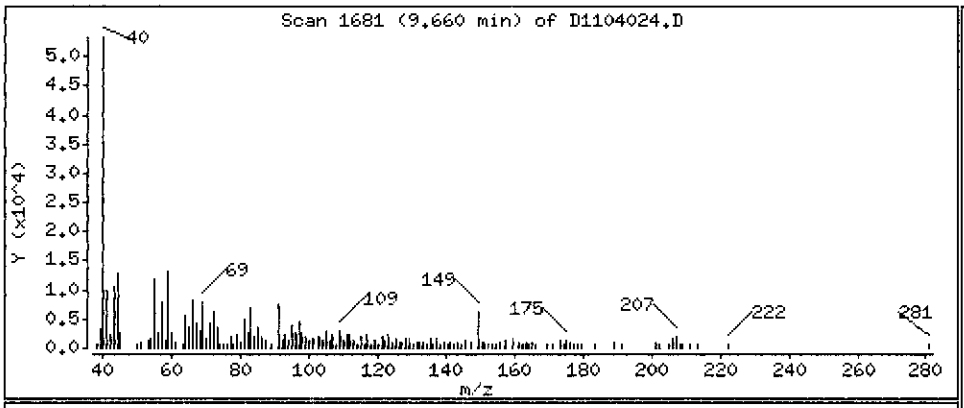
Operator: 430261nc

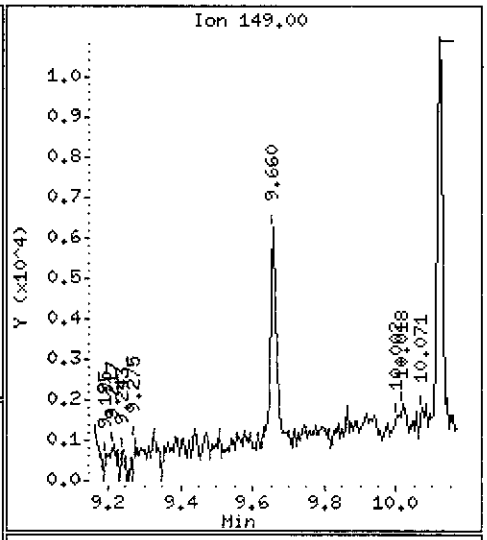
Column phase: DB5-MS

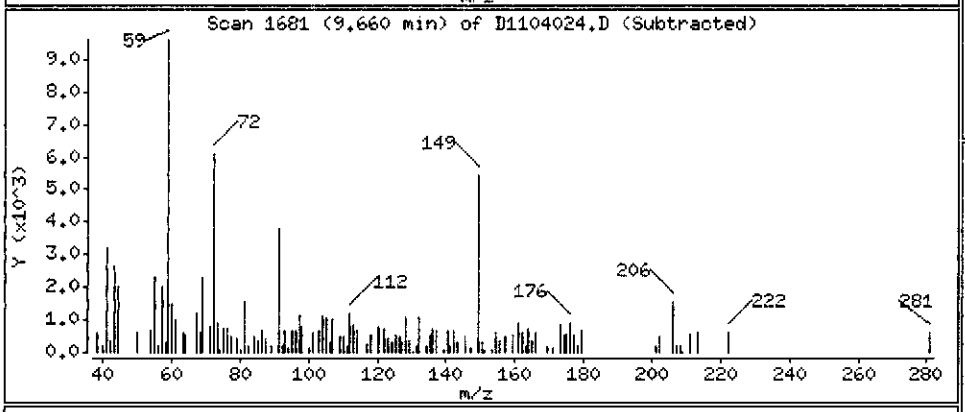
Column diameter: 0.32

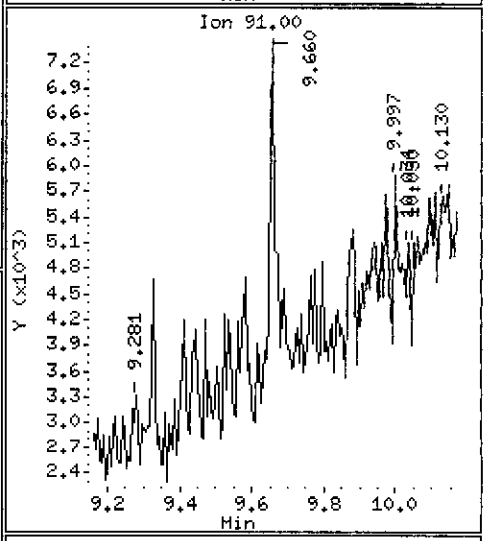
131 Butylbenzylphthalate

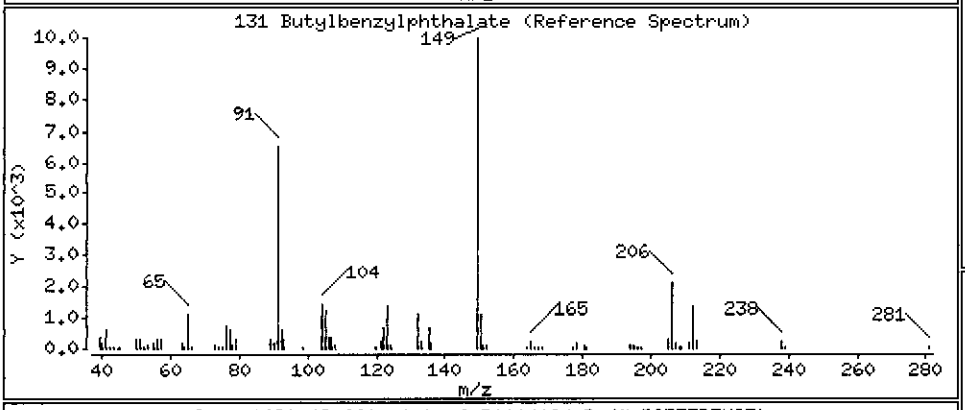
Concentration: 10.090 ug/kg

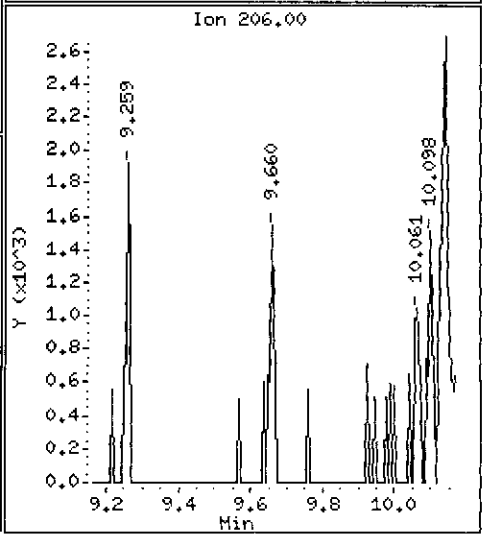


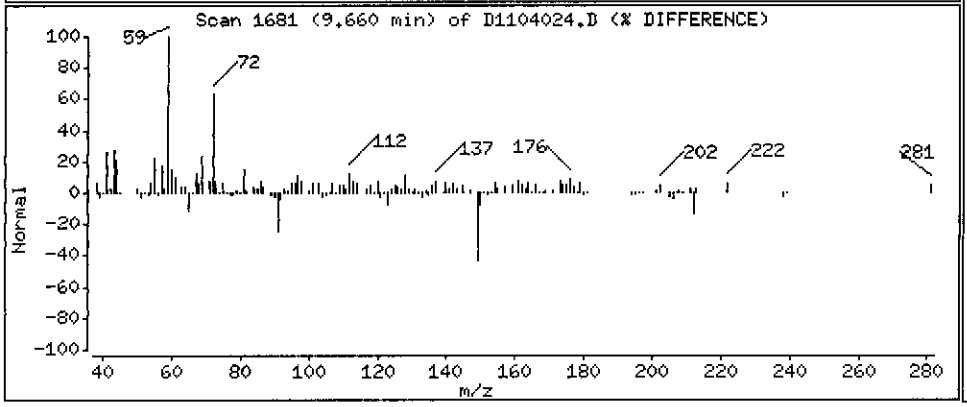












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104024.D

Date : 04-NOV-2010 20:05

Client ID: 20100876 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-008 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

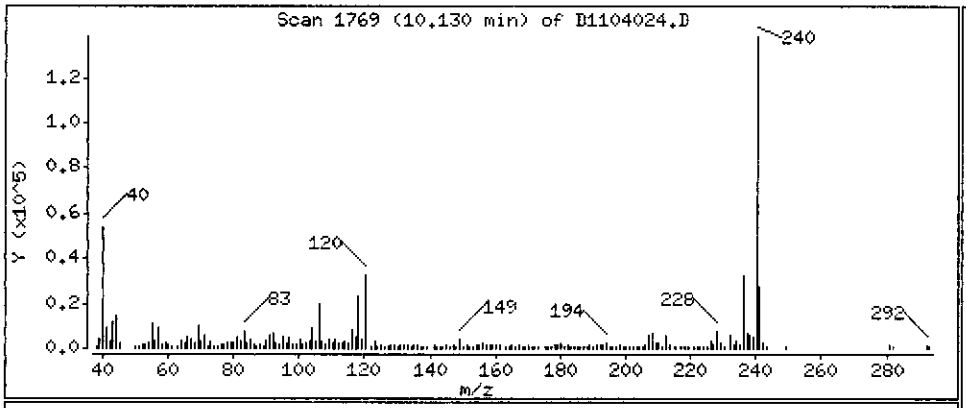
Operator: 430261nc

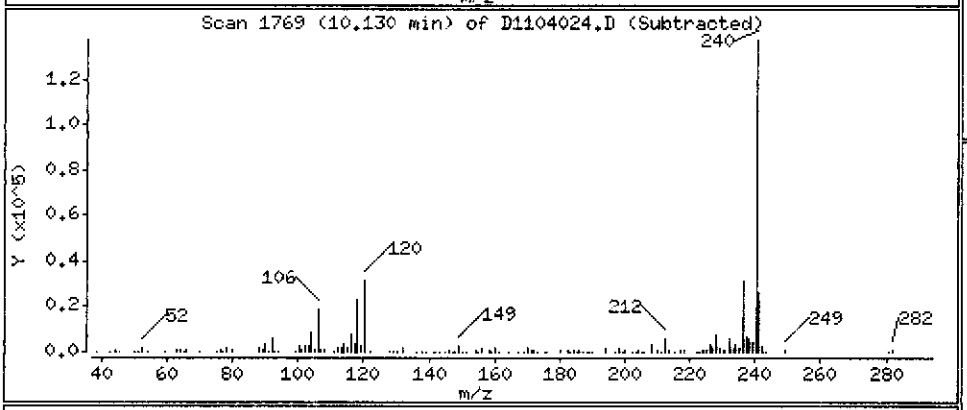
Column phase: DB5-MS

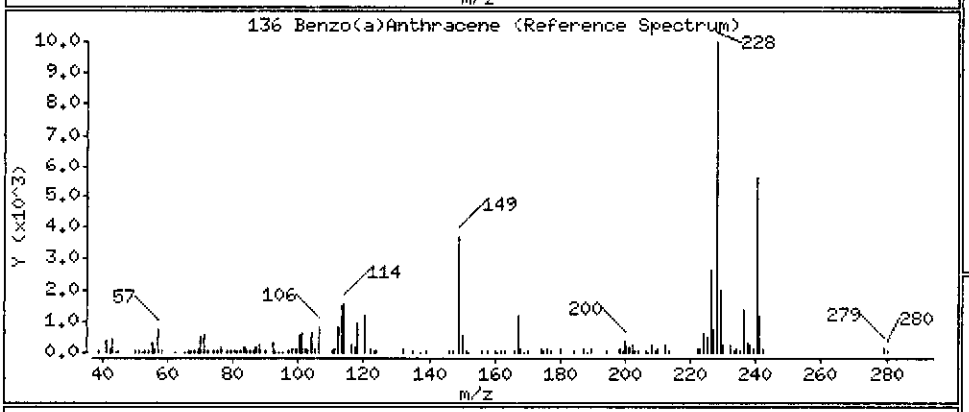
Column diameter: 0.32

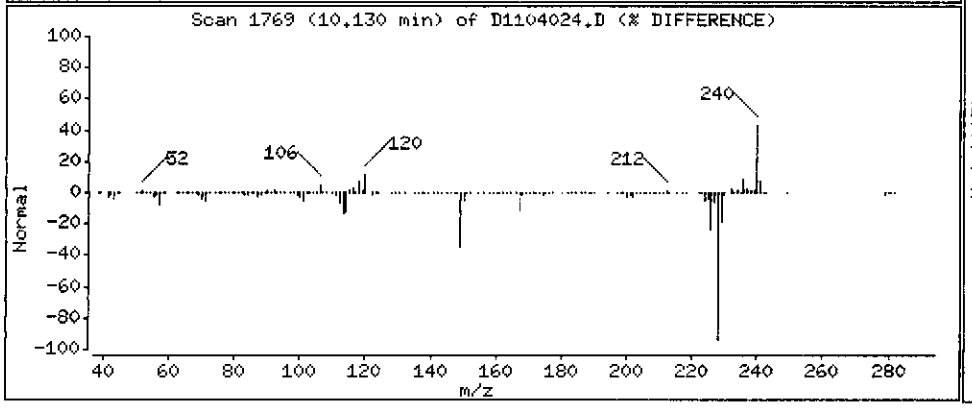
136 Benzo(a)Anthracene

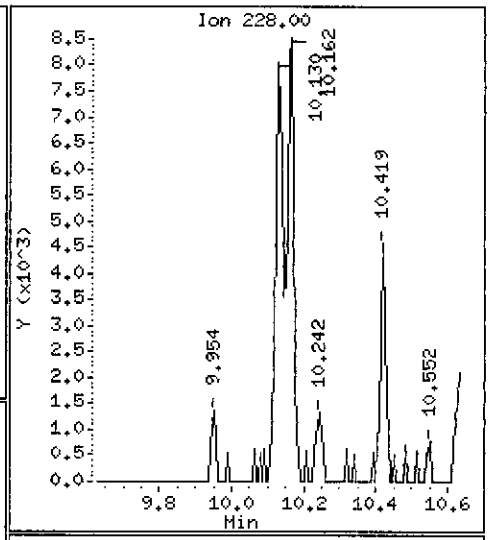
Concentration: 7.8655 ug/kg

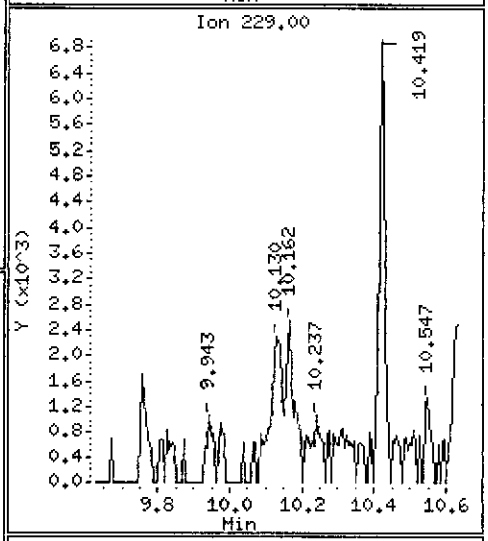


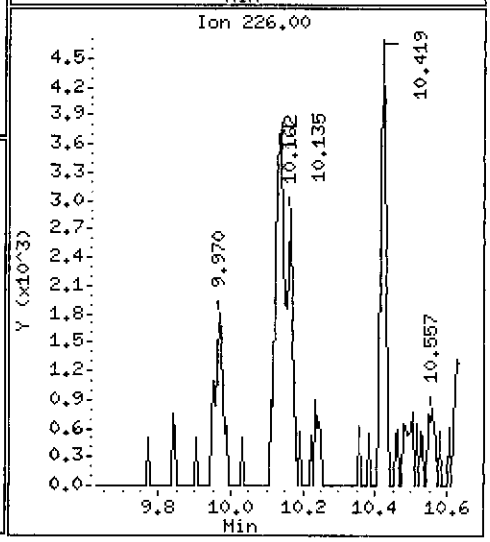












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104024.D

Date : 04-NOV-2010 20:05

Client ID: 20100876 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-008 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

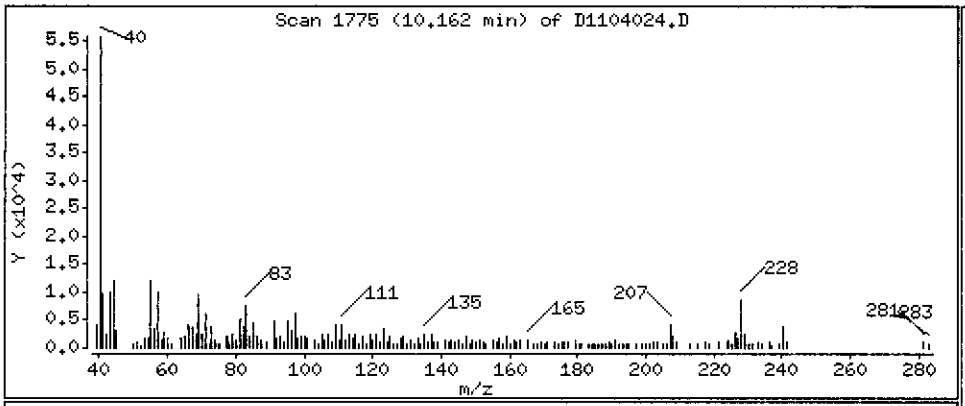
Operator: 430261nc

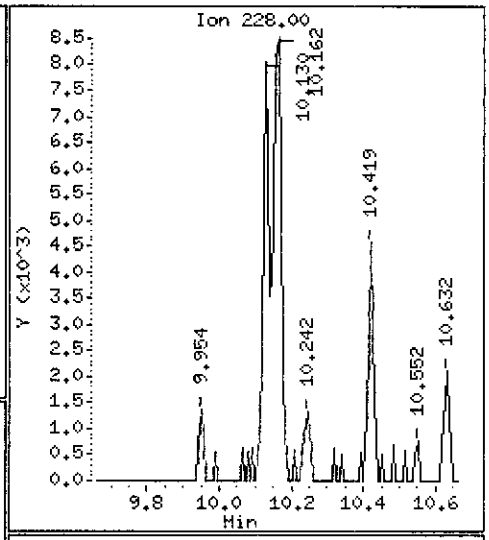
Column phase: DB5-MS

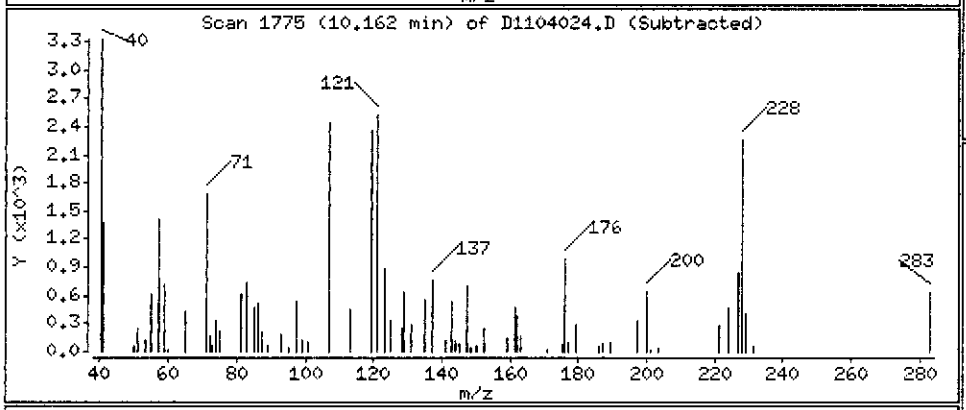
Column diameter: 0.32

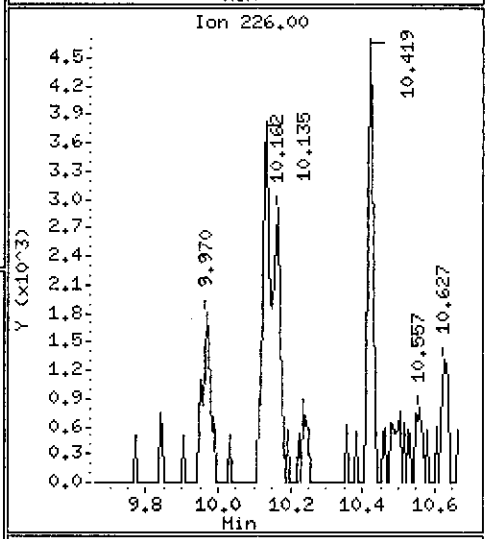
137 Chrysene

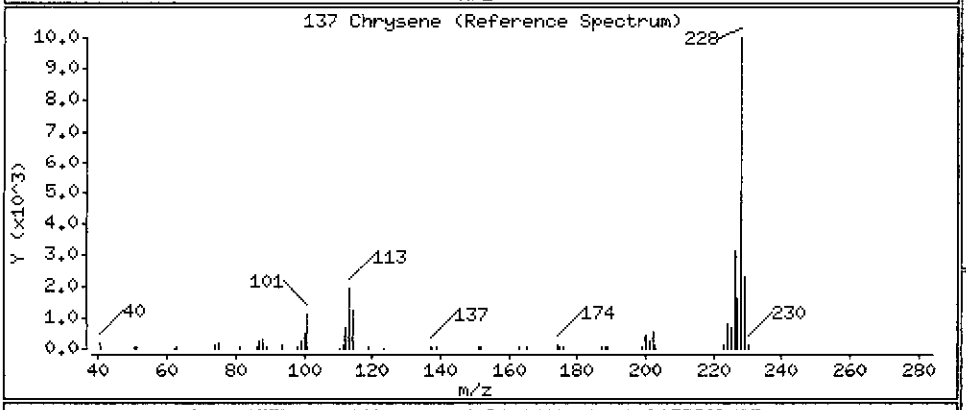
Concentration: 9.9923 ug/kg

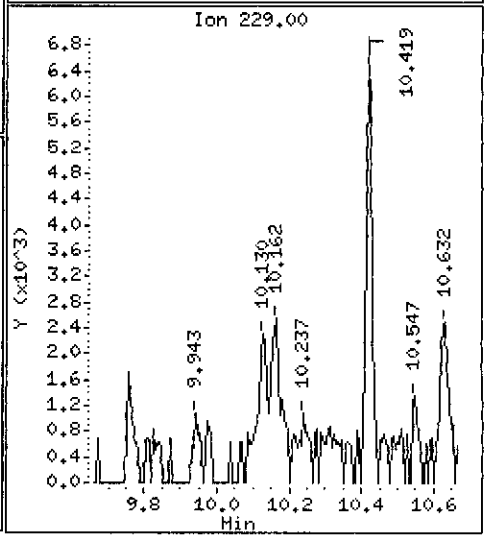


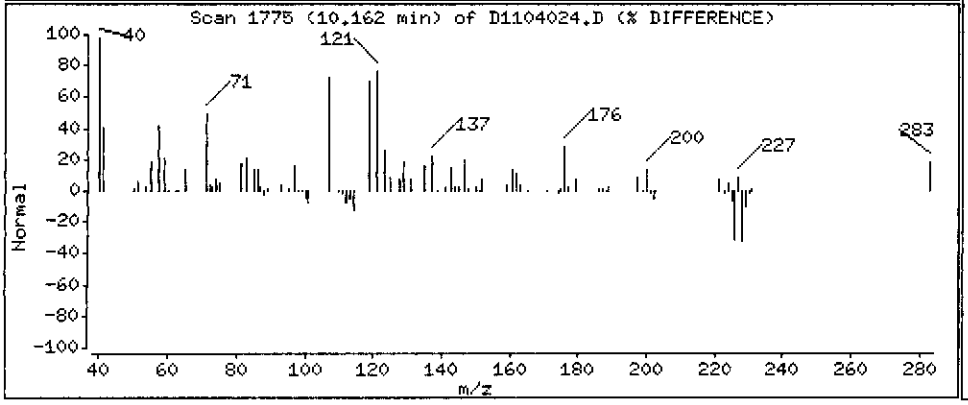












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104024.D

Date : 04-NOV-2010 20:05

Client ID: 20100876 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-008 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

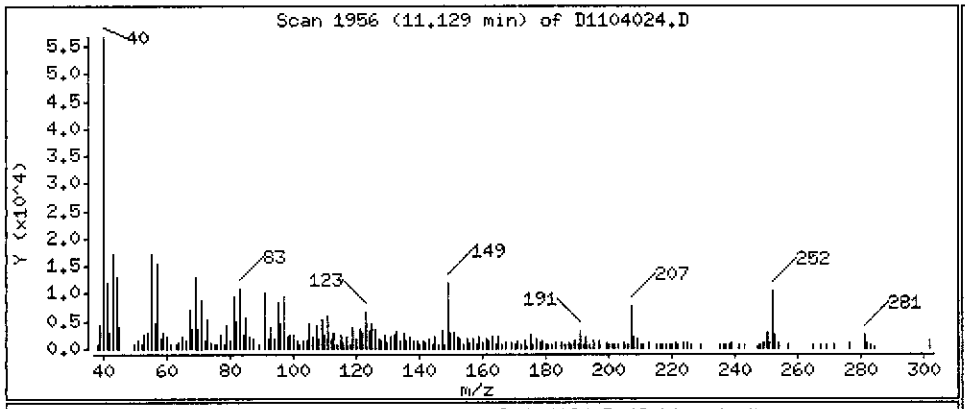
Operator: 430261nc

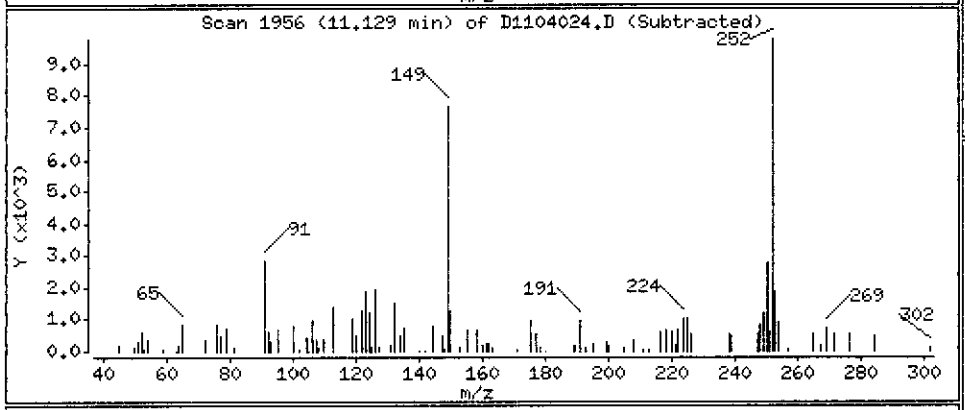
Column phase: DB5-MS

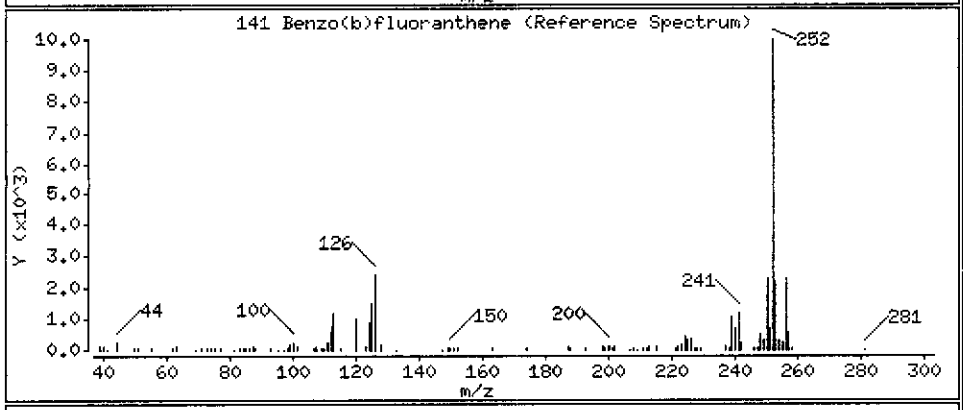
Column diameter: 0.32

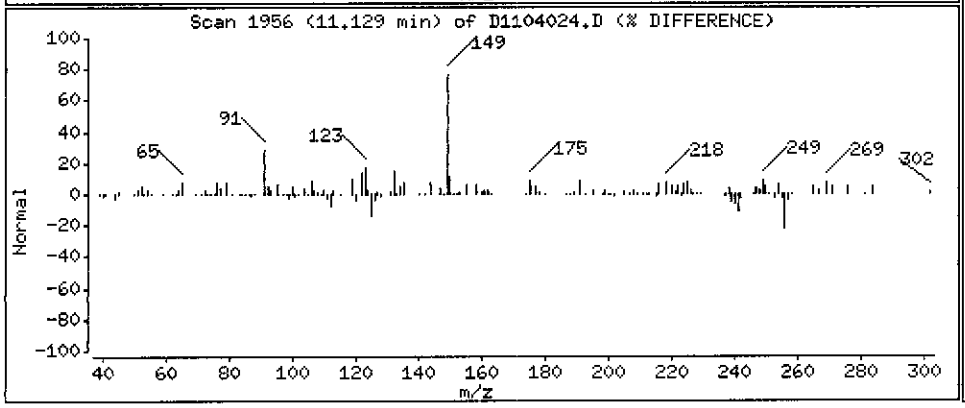
141 Benzo(b)fluoranthene

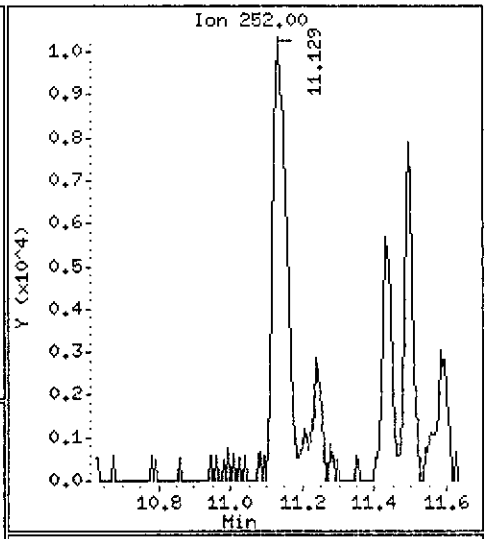
Concentration: 10.636 ug/kg

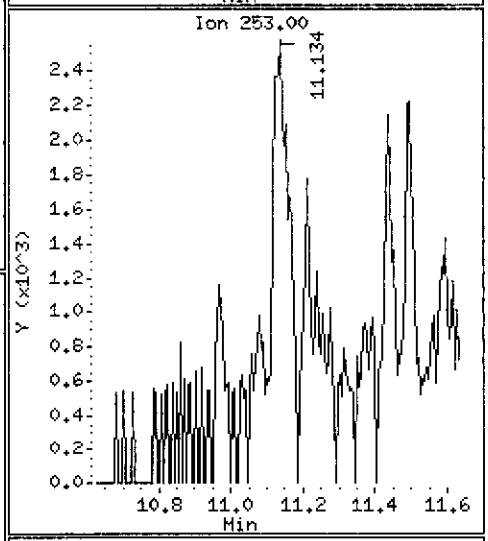


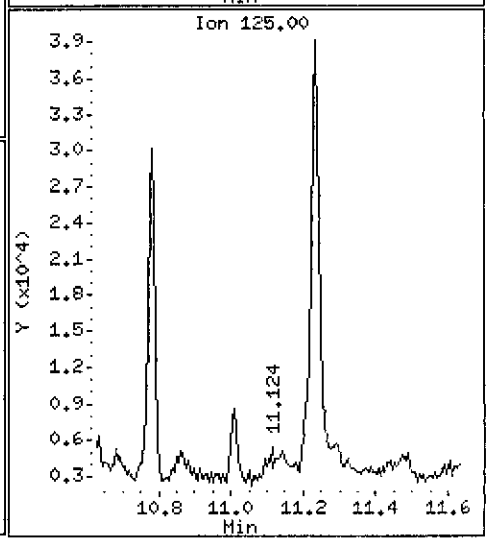












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104024.D

Date : 04-NOV-2010 20:05

Client ID: 20100876 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-008 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

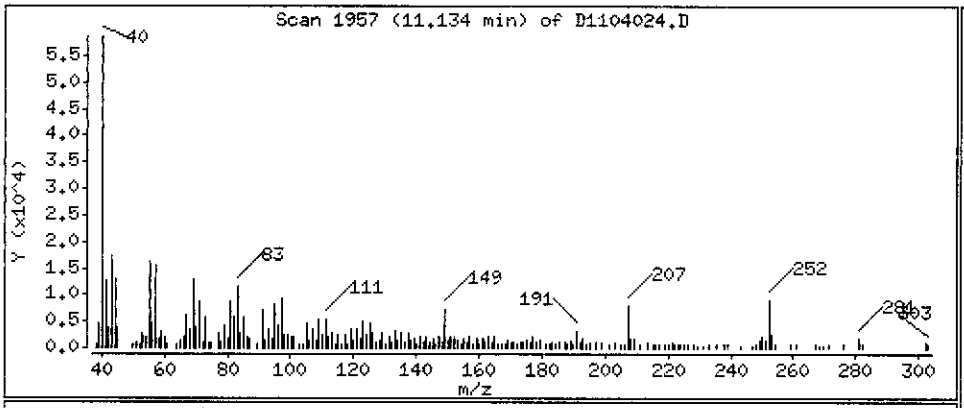
Operator: 430261nc

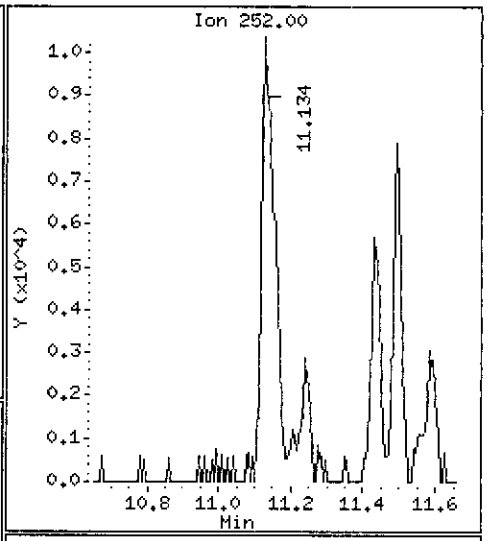
Column phase: DB5-MS

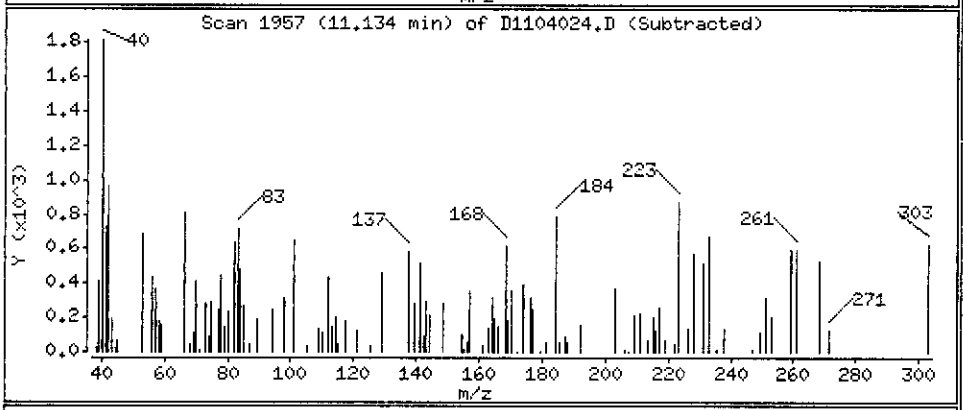
Column diameter: 0.32

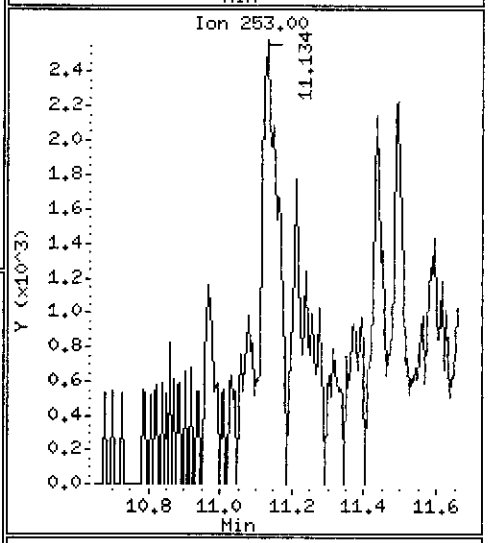
142 Benzo(k)fluoranthene

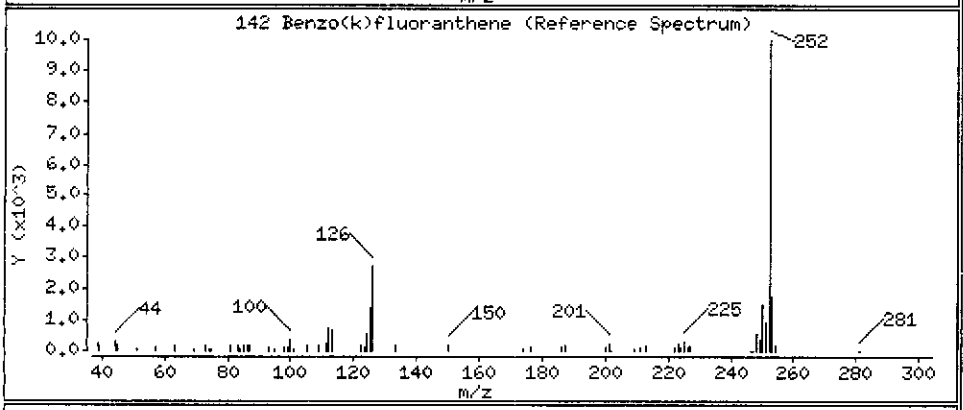
Concentration: 9.1836 ug/kg

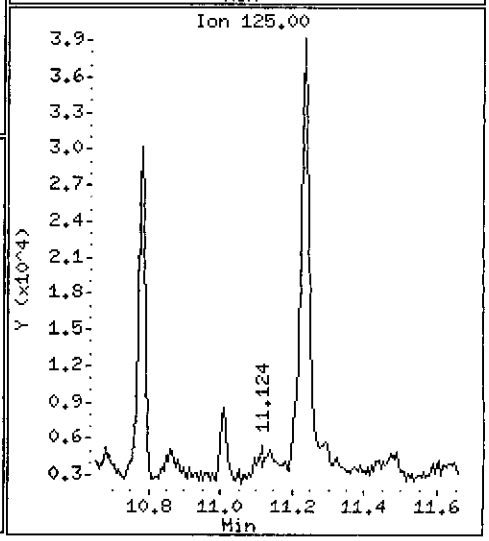


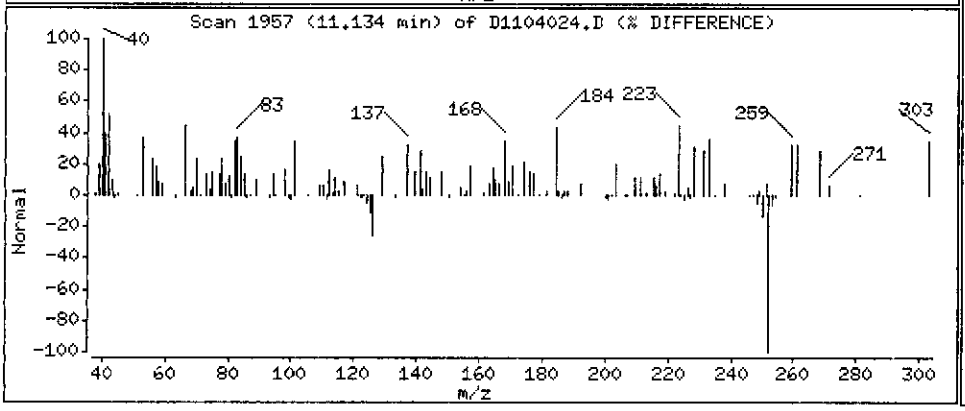












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104024.D

Date : 04-NOV-2010 20:05

Client ID: 20100876 RSD10-01

Instrument: 732.i

Sample Info: c0k030562-008 5x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

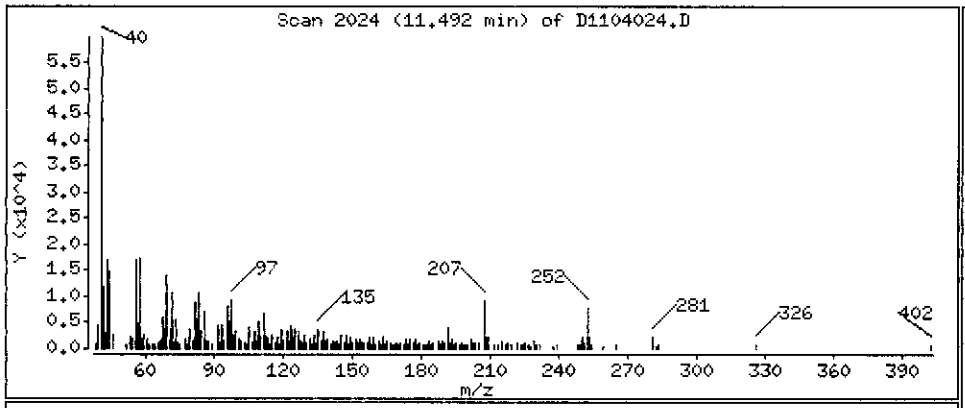
Operator: 430261nc

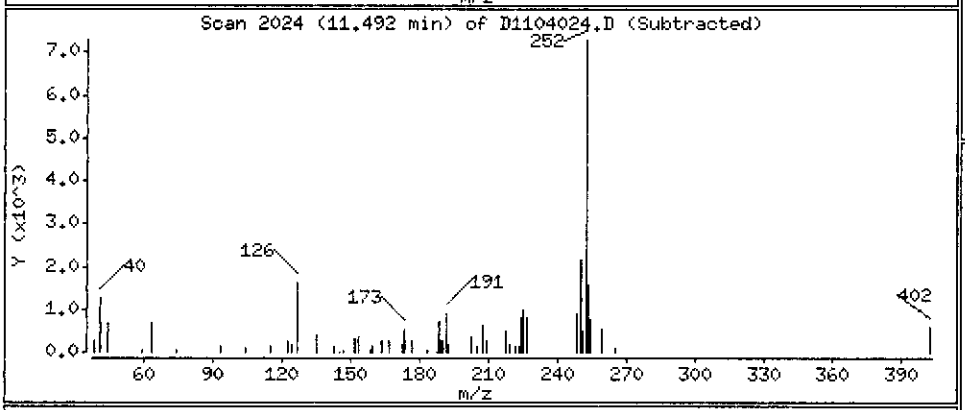
Column phase: DB5-MS

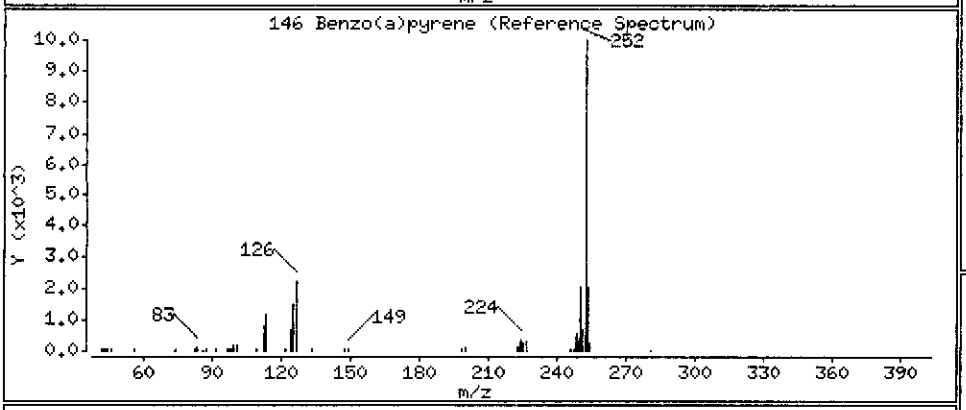
Column diameter: 0.32

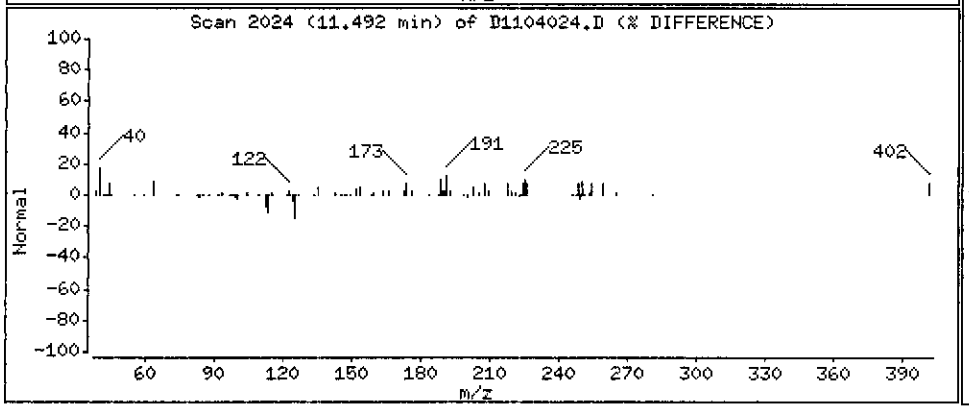
146 Benzo(a)pyrene

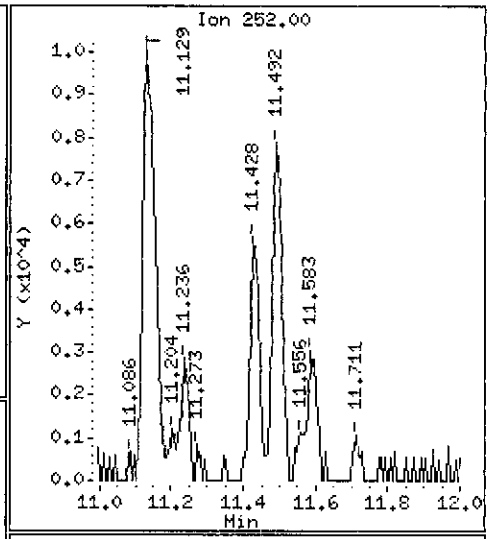
Concentration: 43.743 ug/kg

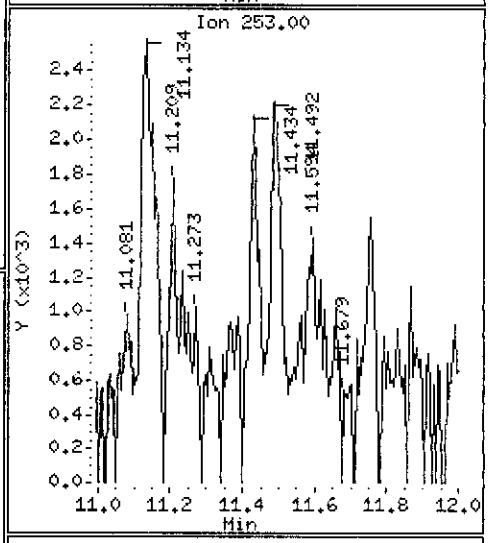


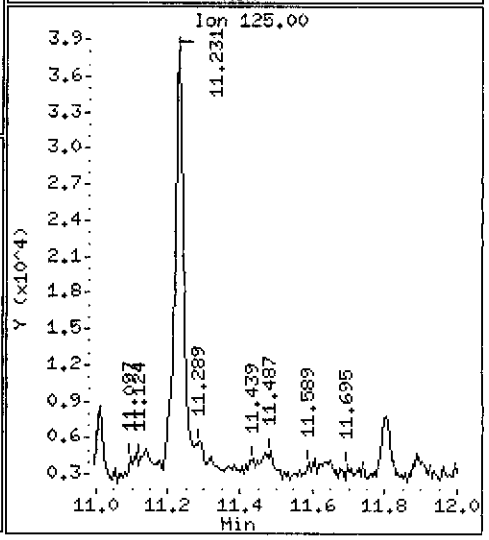












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104024.D

Date : 04-NOV-2010 20:05

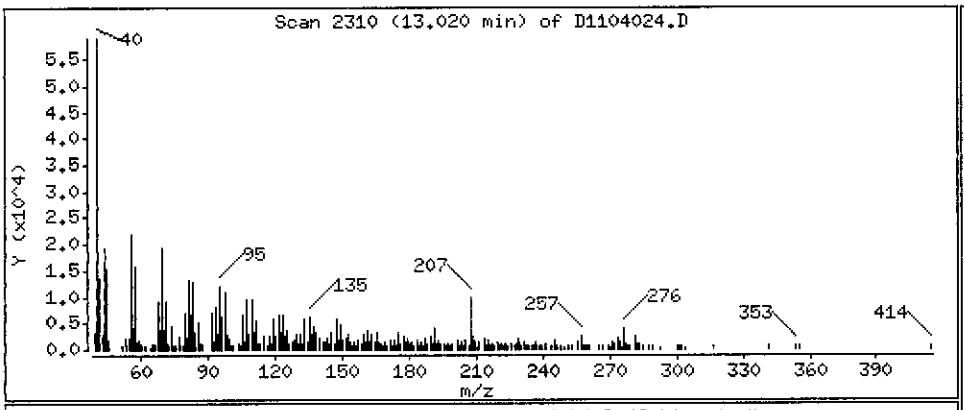
Client ID: 20100876 RSD10-01 Instrument: 732.i

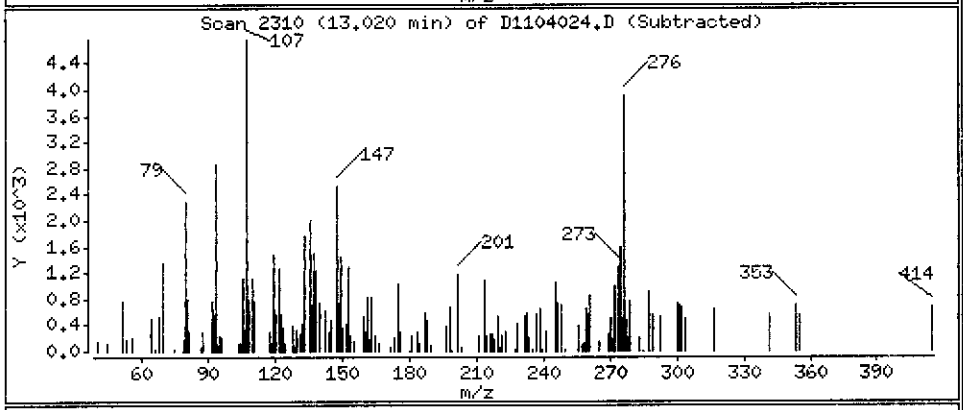
Sample Info: c0k030562-008 5x 11/04/10 sedS42(0308035)

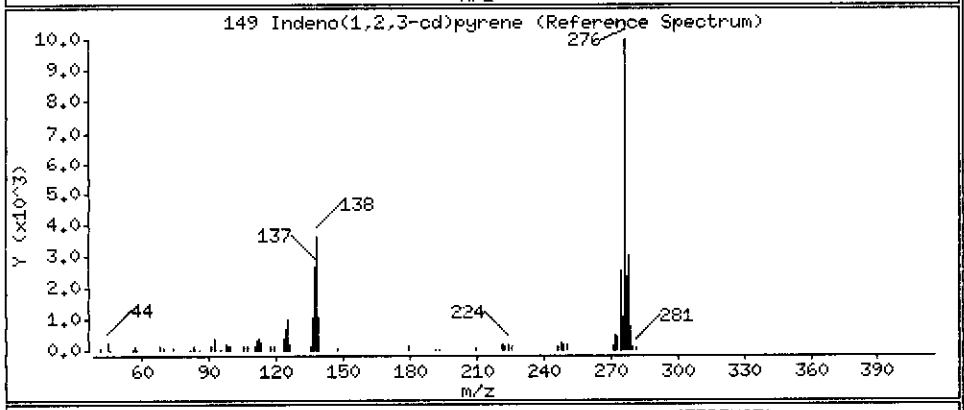
Volume Injected (uL): 2.0 Operator: 430261nc

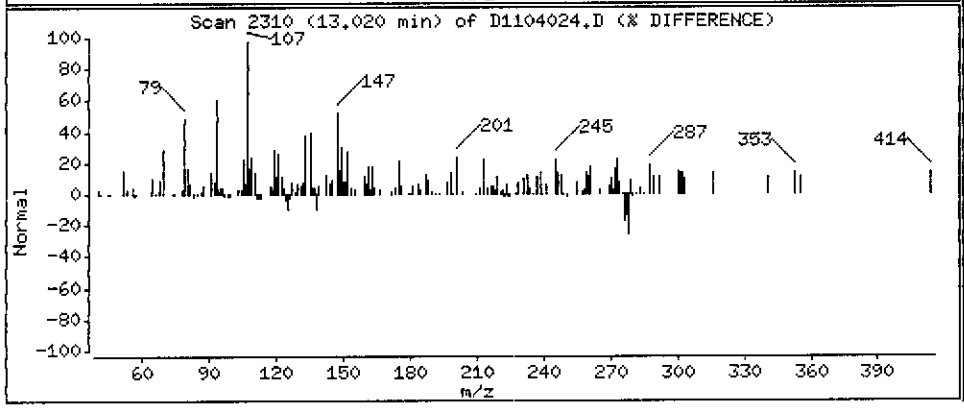
Column phase: DB5-MS Column diameter: 0.32

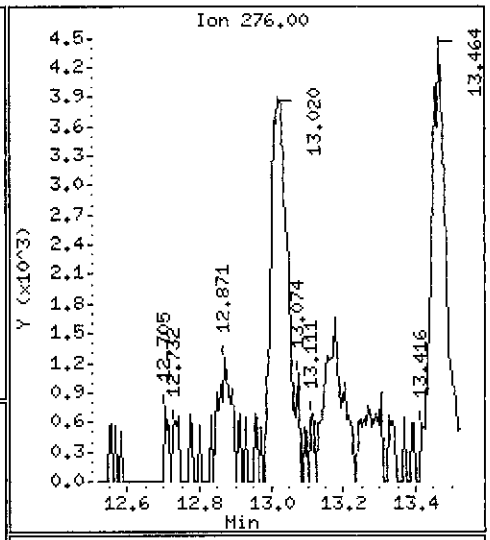
149 Indeno(1,2,3-cd)pyrene Concentration: 42.699 ug/kg

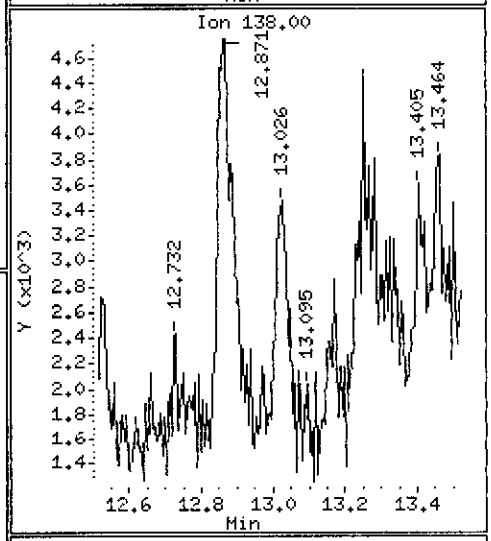


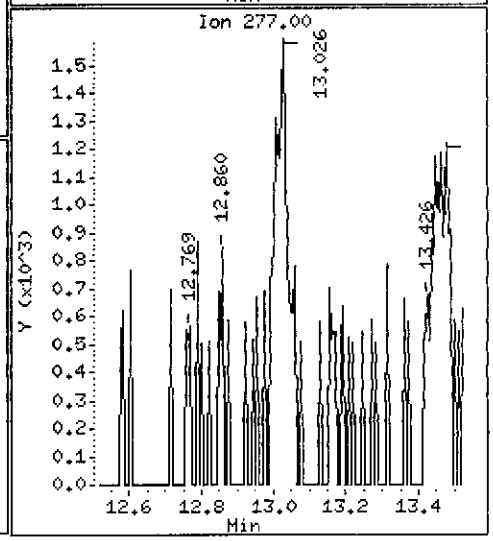












Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104024.D

Date : 04-NOV-2010 20:05

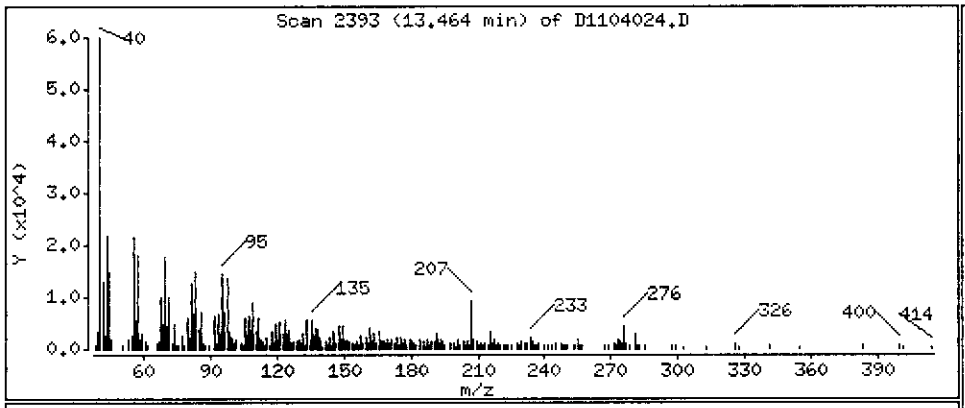
Client ID: 20100876 RSD10-01 Instrument: 732.i

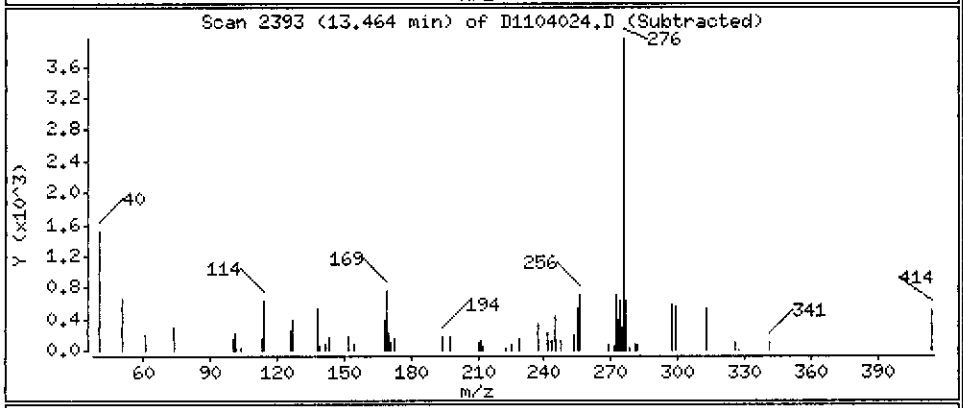
Sample Info: c0k030562-008 5x 11/04/10 sedS42(0308035)

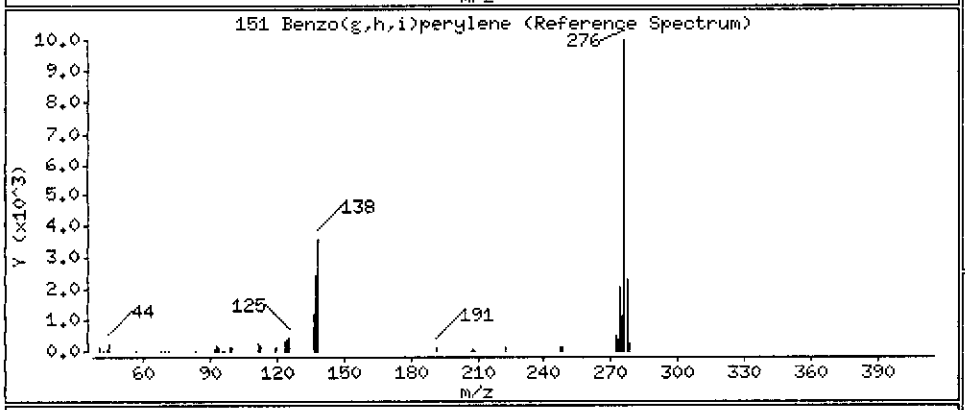
Volume Injected (uL): 2.0 Operator: 430261nc

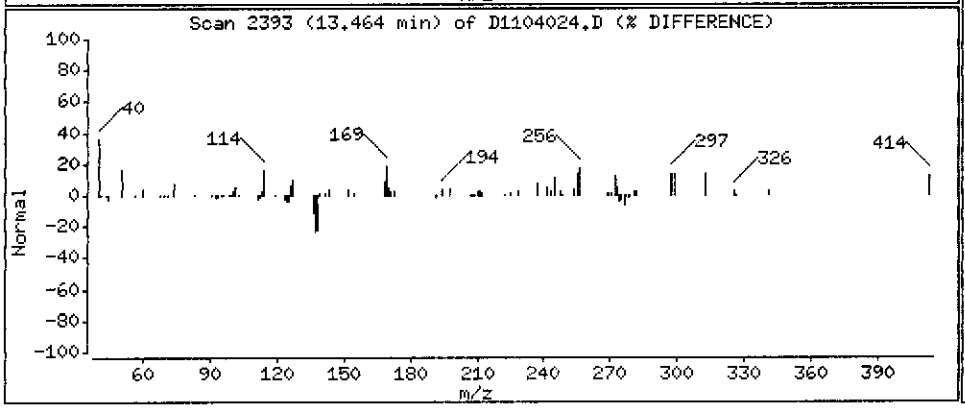
Column phase: DB5-MS Column diameter: 0.32

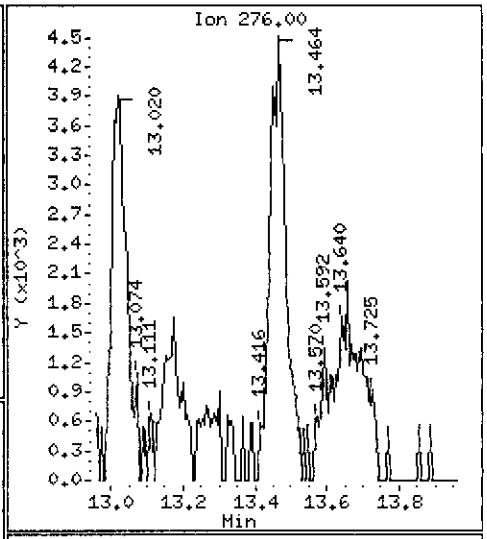
151 Benzo(g,h,i)perylene Concentration: 11.506 ug/kg

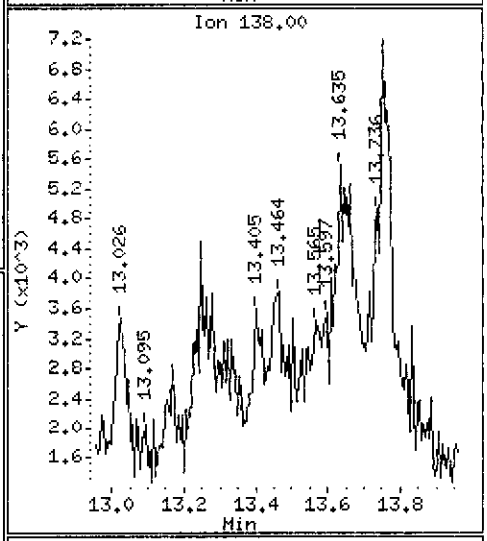


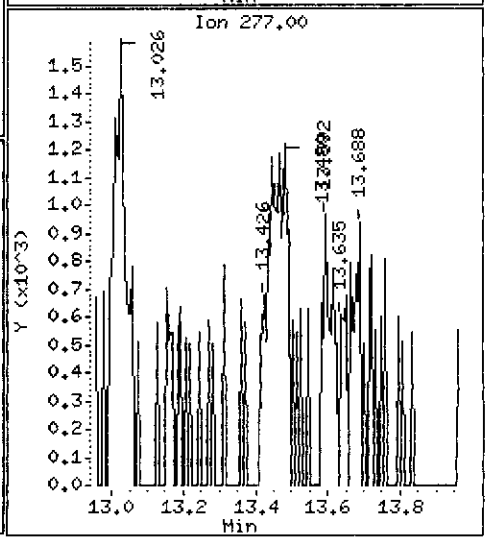




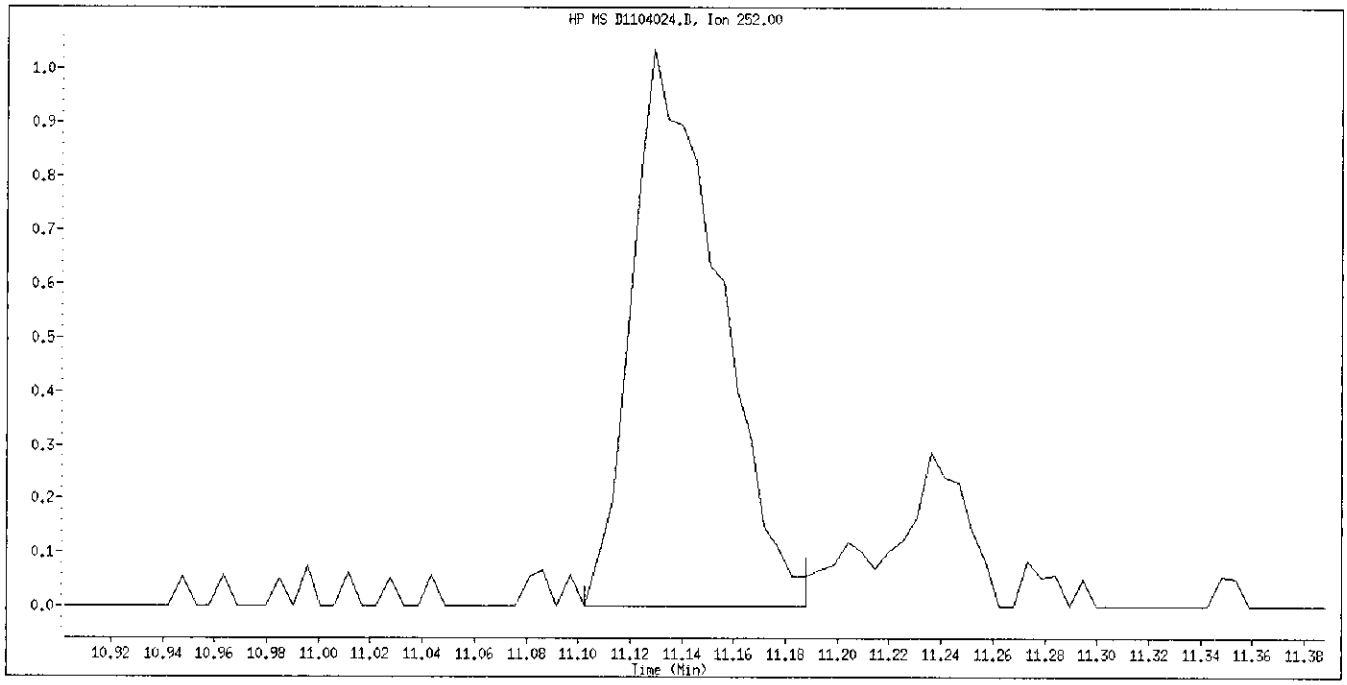




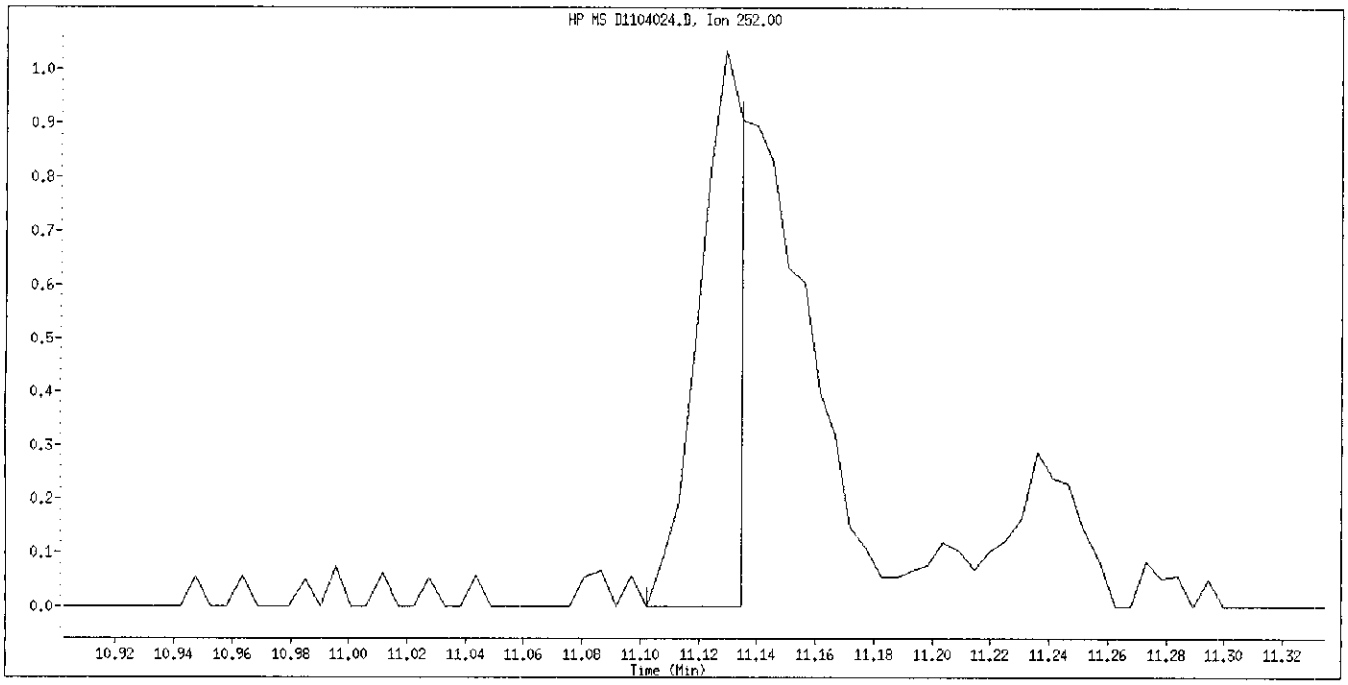




Data File Name: D1104024.D
Inj. Date and Time: 04-NOV-2010 20:05
Instrument ID: 732.i
Client ID: 20100876 RSD10-01
Compound Name: Benzo(b)fluoranthene
CAS #: 205-99-2



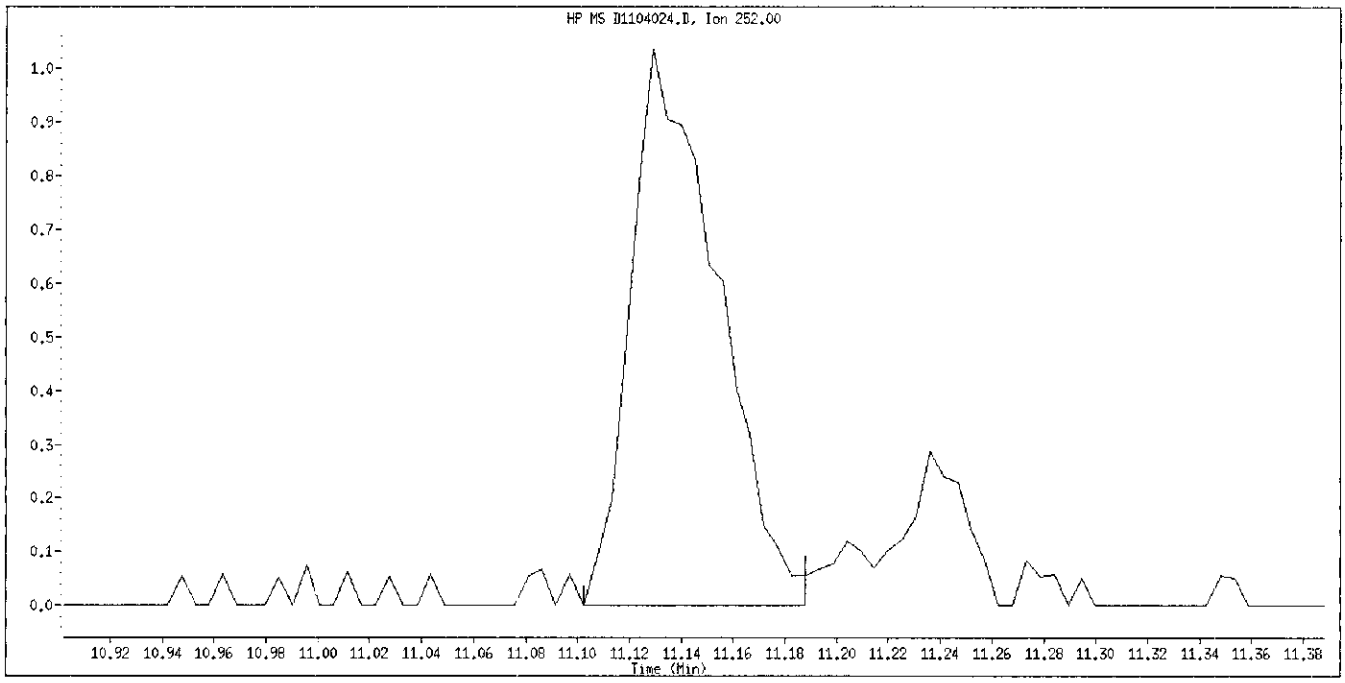
Original Integration



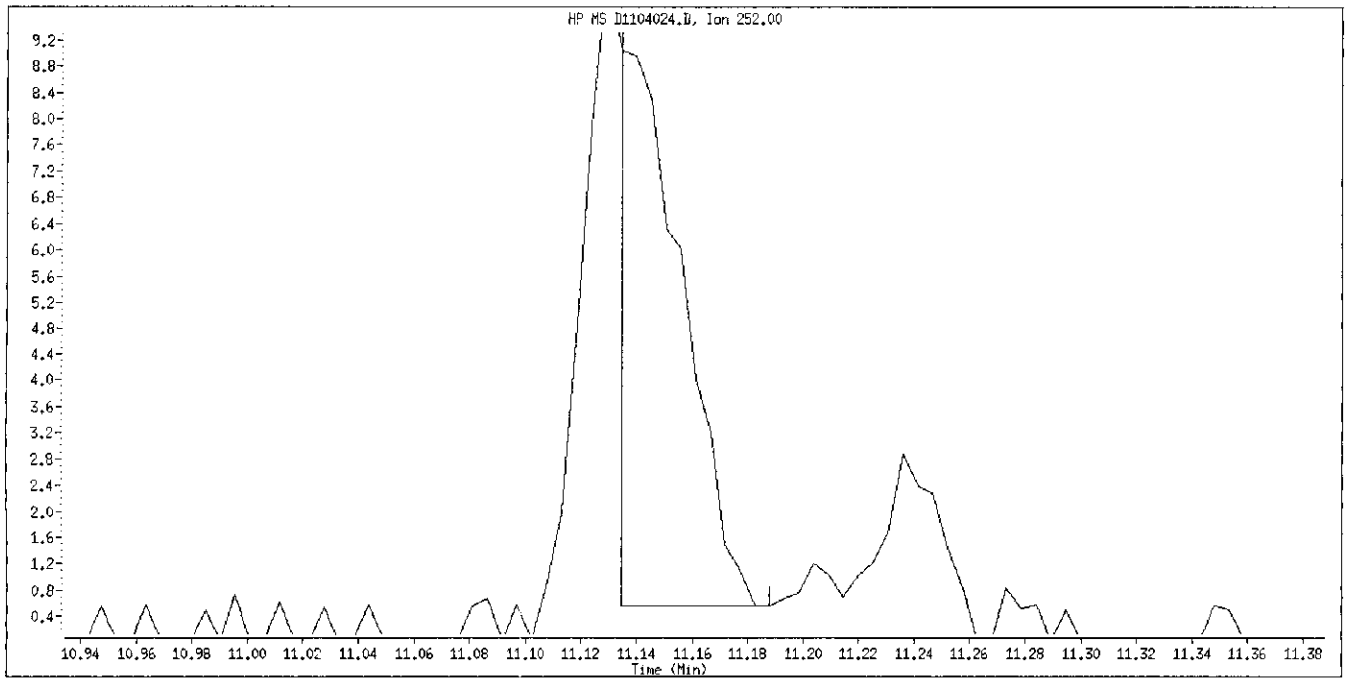
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1104024.D
Inj. Date and Time: 04-NOV-2010 20:05
Instrument ID: 732.i
Client ID: 20100876 RSD10-01
Compound Name: Benzo(k)fluoranthene
CAS #: 207-08-9



Original Integration



Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

GC/MS SEMIVOLATILE
CALIBRATION DATA

Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 23-SEP-2010 18:01
End Cal Date : 23-SEP-2010 20:29
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Last Edit : 27-Sep-2010 11:55 campisin

Calibration File Names:
Level 1: \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC2.D
Level 2: \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC3.D
Level 3: \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC1.D
Level 4: \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC4.D
Level 5: \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC5.D
Level 6: \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC6.D
Level 7: \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC7.D
Level 8: \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC8.D

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
198 1,4-Dioxane	0.30655	0.29470	0.26501	0.23834	0.23607	0.23048						
	0.23026	0.22426					AVRG		0.25321		12.57828	
226 n-Decane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
227 n-Octadecane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 23-SEP-2010 18:01
End Cal Date : 23-SEP-2010 20:29
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Last Edit : 27-Sep-2010 11:55 campisin

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
7 N-Nitrosomorpholine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
8 Ethyl methanesulfonate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
9 Pyridine	+++++	0.55449	0.64001	0.58336	0.60402	0.61304						
	0.61744	0.59634					AVRG		0.60124		4.52516	
199 Thionazin	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
200 Sulfotepp	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
10 N-Nitrosodimethylamine	+++++	0.28315	0.31813	0.31329	0.30841	0.31233						
	0.31907	0.31387					AVRG		0.30975		3.95967	
11 Ethyl methacrylate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 23-SEP-2010 18:01
End Cal Date : 23-SEP-2010 20:29
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Last Edit : 27-Sep-2010 11:55 campisin

Compound	0.4000000 Level 1 / 60.0000 Level 7	2.0000 Level 2 / 80.0000 Level 8	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	
12 3-Chloropropionitrile	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
13 Malononitrile	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
14 2-Picoline	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
15 N-Nitrosomethylethylamine	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
16 Methyl methanesulfonate	0.41054 / 0.44006	0.44189 / 0.42407	0.49214	0.45653	0.44773	0.44302	AVRG		0.44450		5.39386	
18 1,3-Dichloro-2-propanol	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
19 N-Nitrosodiethylamine	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

(1001 - 1489)
1233
C0K030562

Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 23-SEP-2010 18:01
End Cal Date : 23-SEP-2010 20:29
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Last Edit : 27-Sep-2010 11:55 campisin

Compound	0.4000000 Level 1 / 60.0000 Level 7	2.0000 Level 2 / 80.0000 Level 8	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
21 Aniline	1.89727	1.90264	1.86028	1.77011	1.69005	1.58372						
	1.50136	1.40182					AVRG		1.70091		11.16760	
206 Benzaldehyde	0.70248	0.74168	0.80462	0.80857	0.75101	0.61926						
	0.55155	+++++					AVRG		0.71131		13.42811	
22 Phenol	1.61536	1.62091	1.65740	1.56486	1.45387	1.38870						
	1.32384	1.25841					AVRG		1.48542		10.15000	
23 bis(2-Chloroethyl)ether	1.27044	1.12761	1.18690	1.14807	1.07124	1.03436						
	1.02917	0.97157					AVRG		1.10492		8.79652	
24 2-Chlorophenol	1.27066	1.36333	1.37933	1.34264	1.29139	1.25060						
	1.23481	1.16920					AVRG		1.28775		5.54216	
25 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
26 1,3-Dichlorobenzene	1.72633	1.67542	1.66707	1.64108	1.54993	1.52669						
	1.51987	1.44394					AVRG		1.59379		6.10086	

(1001 - 1489)
1234
C0K030562

Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 23-SEP-2010 18:01
End Cal Date : 23-SEP-2010 20:29
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Last Edit : 27-Sep-2010 11:55 campisin

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
27 1,4-Dichlorobenzene	1.74399	1.74948	1.73213	1.63685	1.59278	1.57192						
	1.53631	1.46111					AVRG		1.62807		6.55719	
28 1,2-Dichlorobenzene	1.80046	1.74284	1.66357	1.64971	1.56274	1.50599						
	1.44519	1.35296					AVRG		1.59043		9.55303	
29 Benzyl Alcohol	0.76571	0.84136	0.81694	0.84758	0.80853	0.76635						
	0.72004	0.66707					AVRG		0.77920		8.00654	
30 2-Methylphenol	1.30794	1.35669	1.30098	1.28851	1.20455	1.13597						
	1.09658	1.02619					AVRG		1.21468		9.71815	
31 2,2'-oxybis(1-Chloropropane)	1.72982	1.74788	1.72139	1.65625	1.56682	1.50255						
	1.41469	1.29980					AVRG		1.57990		10.38526	
32 N-Nitroso-di-n-propylamine	0.79383	0.88768	0.93124	0.85800	0.77027	0.71839						
	0.68161	0.61007					AVRG		0.78139		13.95011	
M 195 Cresols, total	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

(1001 - 1489)
1235
C0K030562

Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 23-SEP-2010 18:01
End Cal Date : 23-SEP-2010 20:29
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Last Edit : 27-Sep-2010 11:55 campisin

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
192 4-Methylphenol	1.28483	1.31931	1.38077	1.30639	1.19559	1.11447						
	1.05895	0.96139					AVRG		1.20271		12.15217	
203 3&4-Methylphenol total	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
193 3-Methylphenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
34 Hexachloroethane	0.73519	0.78906	0.78700	0.75912	0.74099	0.70791						
	0.69074	0.63662					AVRG		0.73083		7.02966	
35 Nitrobenzene	0.22740	0.26805	0.28319	0.29151	0.28572	0.26743						
	0.26089	0.25447					AVRG		0.26733		7.71271	
36 N-Nitrosopyrrolidine	+++++	0.54369	0.55048	0.57962	0.57174	0.58796						
	0.59214	0.56831					AVRG		0.57056		3.18535	
37 Acetophenone	1.97576	1.97011	1.98638	1.90200	1.75559	1.65474						
	1.59049	1.49714					AVRG		1.79152		10.82127	

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C0K030562

Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 23-SEP-2010 18:01
End Cal Date : 23-SEP-2010 20:29
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Last Edit : 27-Sep-2010 11:55 campisin

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
39 o-Toluidine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
40 N-Nitrosopiperidine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
41 Isophorone	0.47680	0.55244	0.52504	0.53575	0.52643	0.49801						
	0.50029	0.47771					AVRG		0.51156		5.39061	
42 2-Nitrophenol	+++++	0.13431	0.14826	0.16619	0.16885	0.16848						
	0.17011	0.16843					AVRG		0.16066		8.64198	
43 2,4-Dimethylphenol	0.26908	0.29913	0.28679	0.31535	0.30454	0.28310						
	0.28453	0.27040					AVRG		0.28912		5.60884	
44 bis(2-Chloroethoxy)methane	0.36492	0.39683	0.39275	0.38979	0.36608	0.34044						
	0.33127	0.31556					AVRG		0.36220		8.42684	
45 O,O,O-Triethyl phosphorothioa	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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Origin : Included
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Integrator : HP RTE
Method file : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
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Compound	0.4000000 Level 1 / 60.0000 Level 7	2.0000 Level 2 / 80.0000 Level 8	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
46 2,4-Toluenediamene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
47 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
48 2,4-Dichlorophenol	0.28885	0.29133	0.29816	0.29591	0.29027	0.28055						
	0.27610	0.26666					AVRG		0.28598		3.74410	
49 Benzoic Acid	+++++	+++++	0.14582	0.18136	0.19172	0.19588						
	0.20787	0.21264					AVRG		0.18921		12.71102	
50 1,2,4-Trichlorobenzene	0.36741	0.36222	0.35669	0.35984	0.33638	0.32079						
	0.31276	0.30160					AVRG		0.33971		7.47647	
51 Naphthalene	1.14377	1.11114	1.04077	1.05364	1.03521	0.97254						
	0.93170	0.90908					AVRG		1.02473		8.04656	
52 4-Chloroaniline	0.42566	0.45978	0.45841	0.45116	0.43547	0.40168						
	0.38595	0.36504					AVRG		0.42289		8.35940	

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Compound	0.4000000 Level 1 / 60.0000 Level 7	2.0000 Level 2 / 80.0000 Level 8	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
53 a,a-Dimethyl-phenethylamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
54 2,6-Dichlorophenol	0.30485	0.30428	0.30849	0.30450	0.29191	0.27141						
	0.26723	0.25474					AVRG		0.28843		7.25776	
55 Hexachloropropene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
56 Hexachlorobutadiene	0.21785	0.21624	0.20621	0.20065	0.20317	0.18868						
	0.18616	0.18097					AVRG		0.19999		6.84888	
208 Caprolactam	+++++	0.07651	0.08875	0.09886	0.10163	0.09234						
	0.08852	0.08624					AVRG		0.09041		9.23346	
57 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
58 N-Nitrosodi-n-butylamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
59 4-Chloro-3-Methylphenol	0.26304	0.29411	0.30016	0.30483	0.29454	0.27819						
	0.27671	0.26022					AVRG		0.28397		5.95290	
60 p-Phenylene diamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
61 Safrole	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
62 2-Methylnaphthalene	0.76570	0.79167	0.76465	0.75259	0.73188	0.66765						
	0.65542	0.62329					AVRG		0.71911		8.58507	
63 1-Methylnaphthalene	0.77508	0.77443	0.75738	0.76537	0.73651	0.66018						
	0.64839	0.61356					AVRG		0.71636		9.08609	
64 Hexachlorocyclopentadiene	0.21830	0.27100	0.30876	0.31221	0.31783	0.31364						
	0.29552	0.27965					AVRG		0.28961		11.53864	
65 1,2,4,5-Tetrachlorobenzene	0.56895	0.54411	0.54383	0.50249	0.46439	0.43968						
	0.40409	0.37394					AVRG		0.48018		14.82703	

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Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
66 2,4,6-Trichlorophenol	0.30394	0.31200	0.34450	0.34891	0.33393	0.33270						
	0.32644	0.30309					AVRG		0.32569		5.42034	
67 2,4,5-Trichlorophenol	0.31648	0.37242	0.39707	0.35139	0.35345	0.34509						
	0.33073	0.31143					AVRG		0.34726		8.20204	
209 1,1'-Biphenyl	1.35673	1.39160	1.38708	1.29425	1.23378	1.17883						
	1.10253	1.02213					AVRG		1.24587		10.98259	
68 1,2,3,5-Tetrachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
69 1,4-Dinitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
70 2-Chloronaphthalene	1.11748	1.09292	1.13567	1.05871	1.00787	0.97068						
	0.89894	0.84704					AVRG		1.01616		10.30323	
71 Isosafrole 1	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
M 188 Isosafrole, Total	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
72 Isosafrole 2	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
73 2-Nitroaniline	+++++	0.18418	0.22686	0.24084	0.24463	0.24136						
	0.23710	0.22664					AVRG		0.22880		9.13585	
74 1,2,3,4-Tetrachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
75 1,4-Naphthoquinone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
76 Dimethylphthalate	1.00729	1.11094	1.14024	1.10962	1.07901	1.05497						
	1.02180	0.98744					AVRG		1.06392		5.18026	
77 m-Dinitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
78 2,6-Dinitrotoluene	+++++	0.16824	0.20297	0.22668	0.23424	0.24645						
	0.23918	0.23211					AVRG		0.22141		12.25401	
79 Acenaphthylene	1.49500	1.71425	1.78037	1.74940	1.69084	1.64363						
	1.60231	1.51768					AVRG		1.64919		6.33952	
80 1,2-Dinitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
81 3-Nitroaniline	+++++	0.23910	0.29890	0.29326	0.29600	0.29822						
	0.29590	0.28405					AVRG		0.28649		7.49794	
82 Acenaphthene	1.09566	1.13488	1.13668	1.09556	1.02689	0.97332						
	0.91683	0.86323					AVRG		1.03038		10.03434	
83 2,4-Dinitrophenol	+++++	7843	37313	97000	162241	213751						
	346010	455097					QUAD	0.50912	6.66444	-0.32732	0.99850	<-
84 Pentachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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Method file : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
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Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
85 4-Nitrophenol	+++++	0.11135	0.13304	0.14049	0.13845	0.14301						
	0.14266	0.14137					AVRG		0.13577		8.31309	
86 Dibenzofuran	1.73402	1.69655	1.72185	1.63968	1.52291	1.48092						
	1.39845	1.31799					AVRG		1.56405		10.06977	
87 2,4-Dinitrotoluene	+++++	0.25997	0.32923	0.34218	0.33197	0.33569						
	0.32577	0.31472					AVRG		0.31993		8.68337	
88 2,3,4,6-Tetrachlorophenol	0.28596	0.32093	0.32615	0.33181	0.31054	0.30658						
	0.30250	0.28482					AVRG		0.30866		5.64121	
89 1-Naphthylamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
90 Zinophos	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
91 2,3,5,6-Tetrachlorophenol	0.25805	0.30222	0.31207	0.32021	0.30809	0.31168						
	0.30042	0.29310					AVRG		0.30073		6.36477	

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Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	60.0000 Level 7	80.0000 Level 8									
92 2-Naphthylamine	1.03160	1.16441	1.19735	1.11235	0.99919	0.90526					
	0.79927	+++++					AVRG		1.02992		13.87941
93 Diethylphthalate	1.18119	1.20646	1.27834	1.22737	1.15377	1.14343					
	1.10090	1.06440					AVRG		1.16948		5.90441
94 Fluorene	23157	119381	237301	549856	951503	1570224					
	2132066	2611529					QUAD	-0.00749	0.73339	0.04708	0.99990
95 4-Chlorophenyl-phenylether	11506	56233	114952	258555	441487	726137					
	1015860	1245483					QUAD	-0.03799	1.67337	0.17540	0.99991
96 4-Nitroaniline	0.19079	0.26170	0.31290	0.30423	0.28820	0.27925					
	0.26881	0.26594					AVRG		0.27148		13.76290
97 5-Nitro-o-toluidine	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000 <-
98 4,6-Dinitro-2-methylphenol	+++++	+++++	0.08846	0.10753	0.11333	0.11282					
	0.11502	0.11532					AVRG		0.10875		9.49647

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Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
99 N-Nitrosodiphenylamine (1)	0.41243	0.44130	0.47931	0.47848	0.46167	0.44385						
	0.42992	0.41346					AVRG		0.44505		5.92868	
100 1,2-Diphenylhydrazine	0.66003	0.72578	0.77559	0.74745	0.73030	0.68817						
	0.64811	0.60143					AVRG		0.69711		8.33399	
101 Diphenylamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
202 N-Nitroso&Diphenylamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
102 Tetraethyl dithiopyrophosphat	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
103 Diallate 1	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
M 189 Diallate, Total	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
104 Phorate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
105 1,3,5-Trinitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
106 4-Bromophenyl-phenylether	0.16918	0.19885	0.20545	0.19727	0.19395	0.18692						
	0.17842	0.16972					AVRG		0.18747		7.33284	
107 Hexachlorobenzene	0.22702	0.22875	0.22028	0.21609	0.20920	0.19585						
	0.18467	0.17884					AVRG		0.20759		9.19532	
210 Atrazine	0.11781	0.14118	0.17123	0.17762	0.17618	0.16784						
	0.15942	0.15067					AVRG		0.15774		12.99377	
108 Phenacetin	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
109 Diallate 2	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	60.0000 Level 7	80.0000 Level 8	Curve	Coefficients b	m1	m2	%RSD or R^2	
110 Dimethoate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
111 Pentachlorophenol	13097	34523	104366	207666	307258	383494	568032	722554	QUAD	0.14508	6.83512	0.50157	0.99986	
112 Pentachloronitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
113 4-Aminobiphenyl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
114 Pronamide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
115 Phenanthrene	1.21476	1.19083	1.20114	1.16602	1.12388	1.06972	1.02039	0.96696	AVRG		1.11921		8.17356	
116 Anthracene	0.99616	1.13405	1.18326	1.18106	1.14928	1.09296	1.05780	0.97251	AVRG		1.09589		7.38304	

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Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
117 Dinoseb	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
118 Disulfoton	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
119 Carbazole	0.98282	1.03678	1.11808	1.10602	1.07873	1.03887						
	0.98702	0.94733					AVRG		1.03696		5.93983	
120 Di-n-Butylphthalate	+++++	1.08485	1.29753	1.33667	1.35097	1.31686						
	1.24683	1.19754					AVRG		1.26161		7.48680	
121 4-Nitroquinoline 1-oxide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
122 Methapyrilene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
123 Fluoranthene	0.97675	1.12886	1.25735	1.25728	1.26528	1.23027						
	1.15686	1.11550					AVRG		1.17352		8.52396	

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Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 23-SEP-2010 18:01
End Cal Date : 23-SEP-2010 20:29
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Last Edit : 27-Sep-2010 11:55 campisin

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
124 Benzidine	+++++	+++++	0.40815	0.46936	0.53276	0.58820						
	0.58250	0.57734					AVRG		0.52639		13.91879	
125 Pyrene	1.07056	1.23059	1.25460	1.22504	1.23232	1.24674						
	1.24712	1.19619					AVRG		1.21290		4.96958	
126 Aramite 1	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
M 191 Aramite, Total	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
127 Aramite 2	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
128 p-Dimethylamino azobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
129 p-Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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C0K030562

Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 23-SEP-2010 18:01
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Quant Method : ISTD
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Integrator : HP RTE
Method file : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Last Edit : 27-Sep-2010 11:55 campisin

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
130 Famphur	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
131 Butylbenzylphthalate	+++++	0.45244	0.53713	0.56216	0.57995	0.57432						
	0.55031	0.52851					AVRG		0.54069		7.98202	
132 3,3'-Dimethylbenzidine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
133 3,3'-Dimethoxybenzidine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
134 2-Acetylaminofluorene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
135 3,3'-Dichlorobenzidine	5603	43448	113437	323590	665971	1256889						
	1817493	2345961					QUAD	0.12094	2.30116	-0.00649	0.99966	
136 Benzo(a)Anthracene	0.96880	1.00236	1.09196	1.05236	1.05131	1.10329						
	1.06309	0.99703					AVRG		1.04128		4.56833	

Test America Pittsburgh

INITIAL CALIBRATION DATA

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Integrator : HP RTE
Method file : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Last Edit : 27-Sep-2010 11:55 campisin

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
137 Chrysene	1.18918	1.09549	1.13729	1.16176	1.15926	1.14374						
	1.14315	1.12393					AVRG		1.14423		2.42528	
138 4,4'-Methylene bis(o-chloroan	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
139 bis(2-ethylhexyl)Phthalate	+++++	0.56062	0.69465	0.74034	0.75251	0.74334						
	0.72334	0.68380					AVRG		0.69980		9.50126	
140 Di-n-octylphthalate	+++++	96968	323685	1017597	2261514	4622462						
	6842708	8774134					QUAD	0.24698	0.52906	0.01101	0.99911	
141 Benzo(b)fluoranthene	17315	125024	327732	921976	1910044	3480520						
	4573412	6509782					QUAD	0.00862	0.79942	0.01638	0.99632	
204 6-Methylchrysene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
142 Benzo(k)fluoranthene	1.47684	1.40034	1.36614	1.37952	1.28666	1.23515						
	1.24495	1.04739					AVRG		1.30462		10.16445	

Test America Pittsburgh

INITIAL CALIBRATION DATA

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Integrator : HP RTE
Method file : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Last Edit : 27-Sep-2010 11:55 campisin

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
143 7,12-dimethylbenz[a]anthracen	+++++	0.46285	0.51139	0.54321	0.53344	0.49302						
	0.45015	0.41319					AVRG		0.48675		9.68568	
144 Hexachlorophene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
145 Hexachlorophene product	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
146 Benzo(a)pyrene	12980	93179	240357	714007	1502233	2922574						
	4316994	5668863					QUAD	0.10346	0.90352	0.01955	0.99980	
148 3-Methylcholanthrene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
149 Indeno(1,2,3-cd)pyrene	16629	123792	294769	822219	1783796	3553212						
	5244486	6907967					QUAD	0.10763	0.75691	0.01168	0.99968	
150 Dibenz(a,h)anthracene	13033	101638	241457	671559	1488270	2896808						
	4327856	5535298					QUAD	0.12635	0.87900	0.02452	0.99915	

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INITIAL CALIBRATION DATA

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End Cal Date : 23-SEP-2010 20:29
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Last Edit : 27-Sep-2010 11:55 campisin

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
151 Benzo(g,h,i)perylene	0.69557	0.85338	0.90824	0.97746	1.03988	1.06310						
	1.05386	1.02679					AVRG		0.95229		13.40566	
211 Benzenethiol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
212 Kepone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
213 Dibenzo(a,h) acridine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
214 Methyl parathion	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
215 Parathion	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
216 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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Test America Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 23-SEP-2010 18:01
End Cal Date : 23-SEP-2010 20:29
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Last Edit : 27-Sep-2010 11:55 campisin

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	60.0000 Level 7	80.0000 Level 8	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2	
217 Indene	2.38499	2.44307	2.41915	2.41574	2.32321	2.20234	2.16781	2.06172	AVRG		2.30225		6.13331	
218 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
219 1,4-Dithiane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
220 1,4-Oxathiane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
221 Benzothiazole	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
222 Dimethyl Disulfide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
223 p-Chlorophenylmethylsulfide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-

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INITIAL CALIBRATION DATA

Start Cal Date : 23-SEP-2010 18:01
End Cal Date : 23-SEP-2010 20:29
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Last Edit : 27-Sep-2010 11:55 campisin

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	60.0000 Level 7	80.0000 Level 8										
224 p-Chlorophenylmethylsulfone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
225 p-Chlorophenylmethylsulfoxide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
228 2-Phenylphenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
229 Diglyme(1)	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-
(3)	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	<-

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INITIAL CALIBRATION DATA

Start Cal Date : 23-SEP-2010 18:01
End Cal Date : 23-SEP-2010 20:29
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\D\chem\732.i\d092310C.b\l1.m
Last Edit : 27-Sep-2010 11:55 campisin

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	60.0000 Level 7	80.0000 Level 8									
$ 154 Nitrobenzene-d5	0.24207	0.26385	0.27823	0.29329	0.28985	0.27545					
	0.27531	0.26847					AVRG		0.27331		5.85847
$ 155 2-Fluorobiphenyl	1.10698	1.16126	1.17195	1.09948	1.06525	1.04056					
	0.99149	0.91734					AVRG		1.06929		8.00716
$ 156 Terphenyl-d14	0.60950	0.70437	0.73765	0.73670	0.74092	0.74769					
	0.73561	0.71895					AVRG		0.71642		6.32917
$ 157 Phenol-d5	1.34610	1.34537	1.42281	1.36490	1.28349	1.22484					
	1.17324	1.09948					AVRG		1.28253		8.50233
$ 158 2-Fluorophenol	0.84572	0.83008	0.90834	0.90767	0.87824	0.86649					
	0.86440	0.84044					AVRG		0.86767		3.37816
$ 159 2,4,6-Tribromophenol	0.06342	0.08183	0.08753	0.08950	0.09240	0.08876					
	0.08723	0.08408					AVRG		0.08434		10.73428
$ 186 2-Chlorophenol-d4	1.13265	1.29644	1.37853	1.31629	1.23836	1.21703					
	1.20825	1.13933					AVRG		1.24086		6.90495

Test America Pittsburgh

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End Cal Date : 23-SEP-2010 20:29
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\D\chem\732.i\d092310C.b\l1.m
Last Edit : 27-Sep-2010 11:55 campisin

Compound	0.4000000 Level 1	2.0000 Level 2	4.0000 Level 3	10.0000 Level 4	20.0000 Level 5	40.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	60.0000 Level 7	80.0000 Level 8									
$ 187 1,2-Dichlorobenzene-d4	1.09536	1.07774	1.04549	1.03694	0.94750	0.89133					
	0.84458	0.78554					AVRG		0.96556		11.98884

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INITIAL CALIBRATION DATA

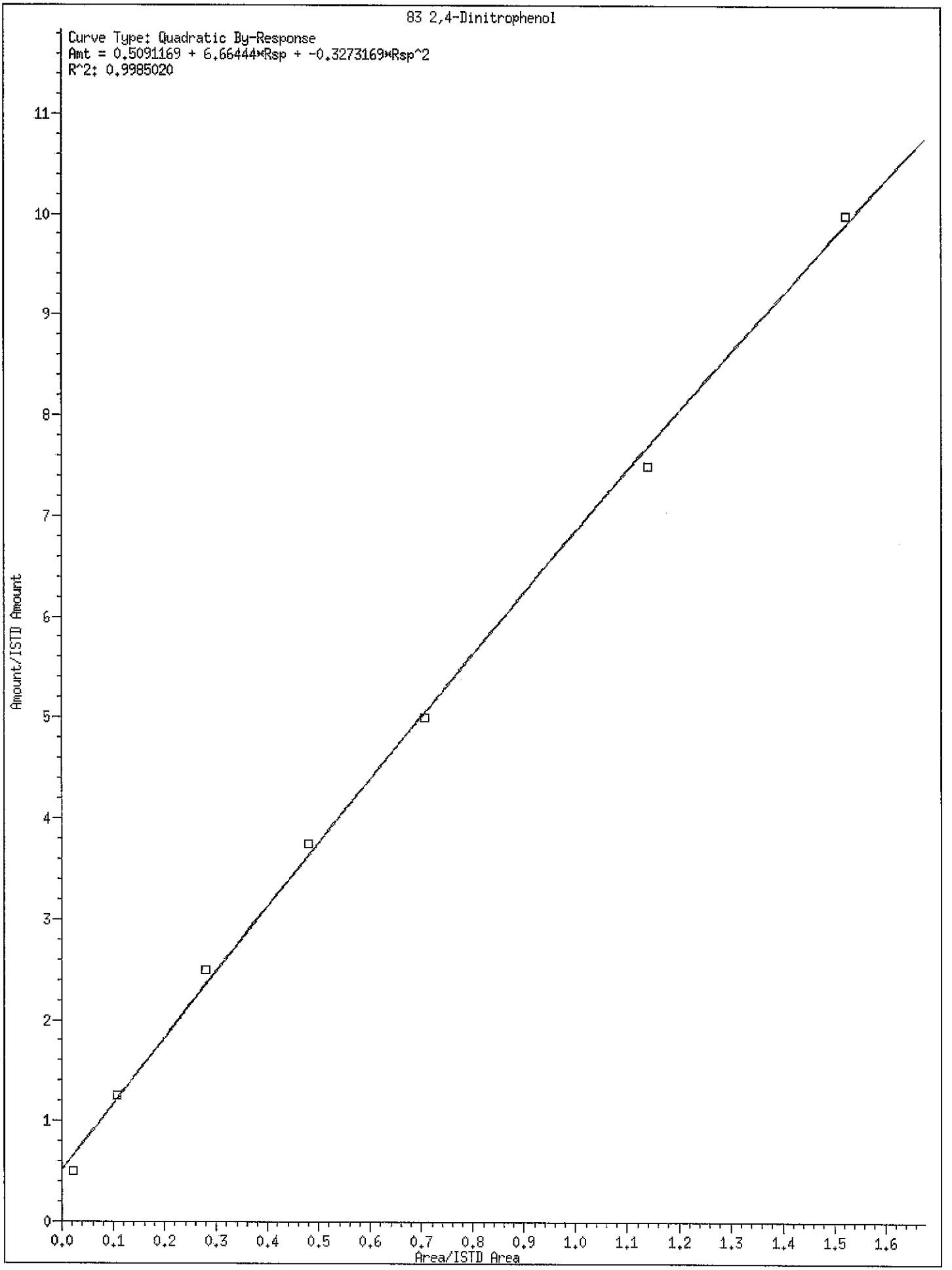
Start Cal Date : 23-SEP-2010 18:01
End Cal Date : 23-SEP-2010 20:29
Quant Method : ISTD
Origin : Included
Target Version : 4.14
Integrator : HP RTE
Method file : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
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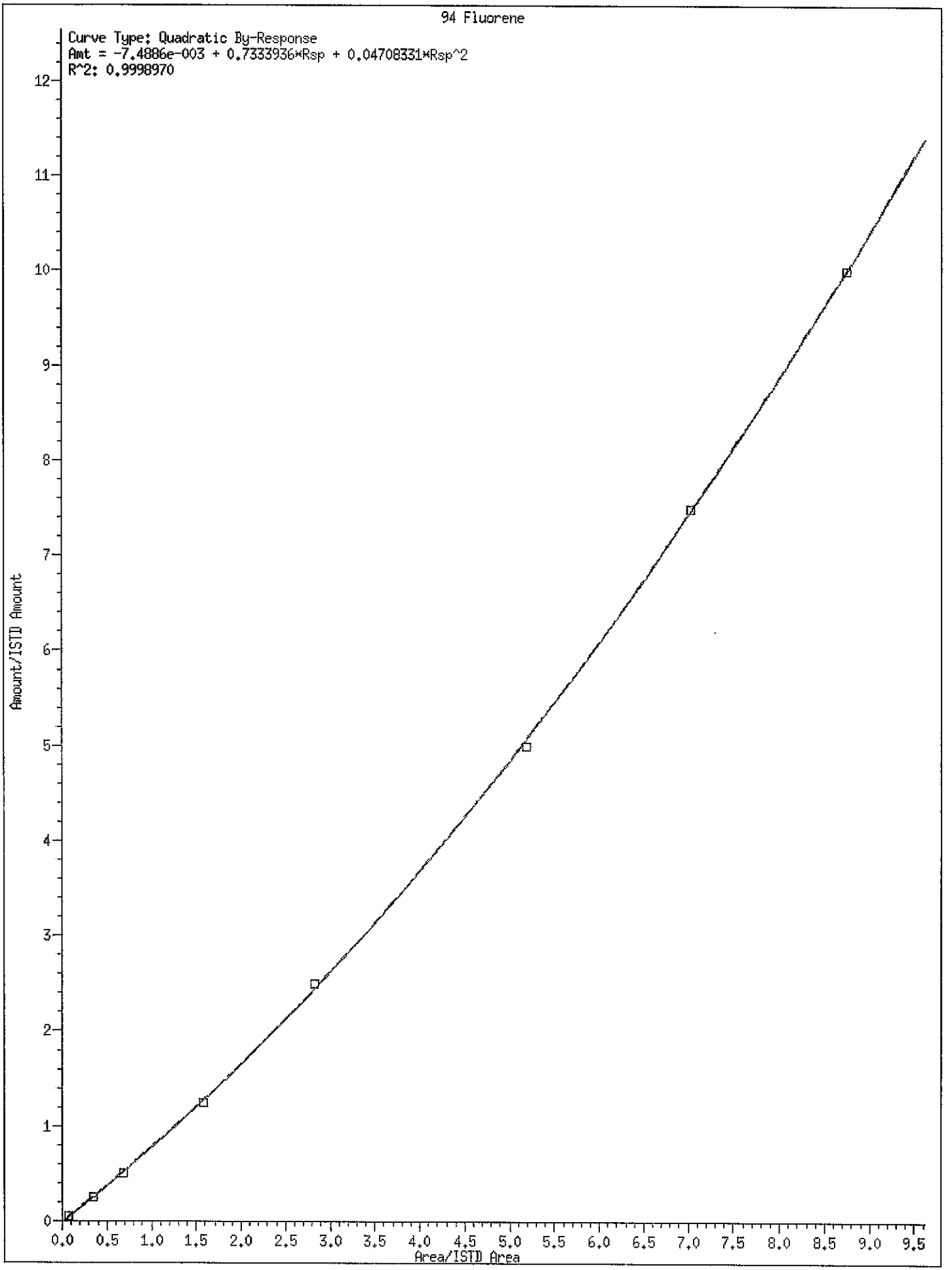
Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

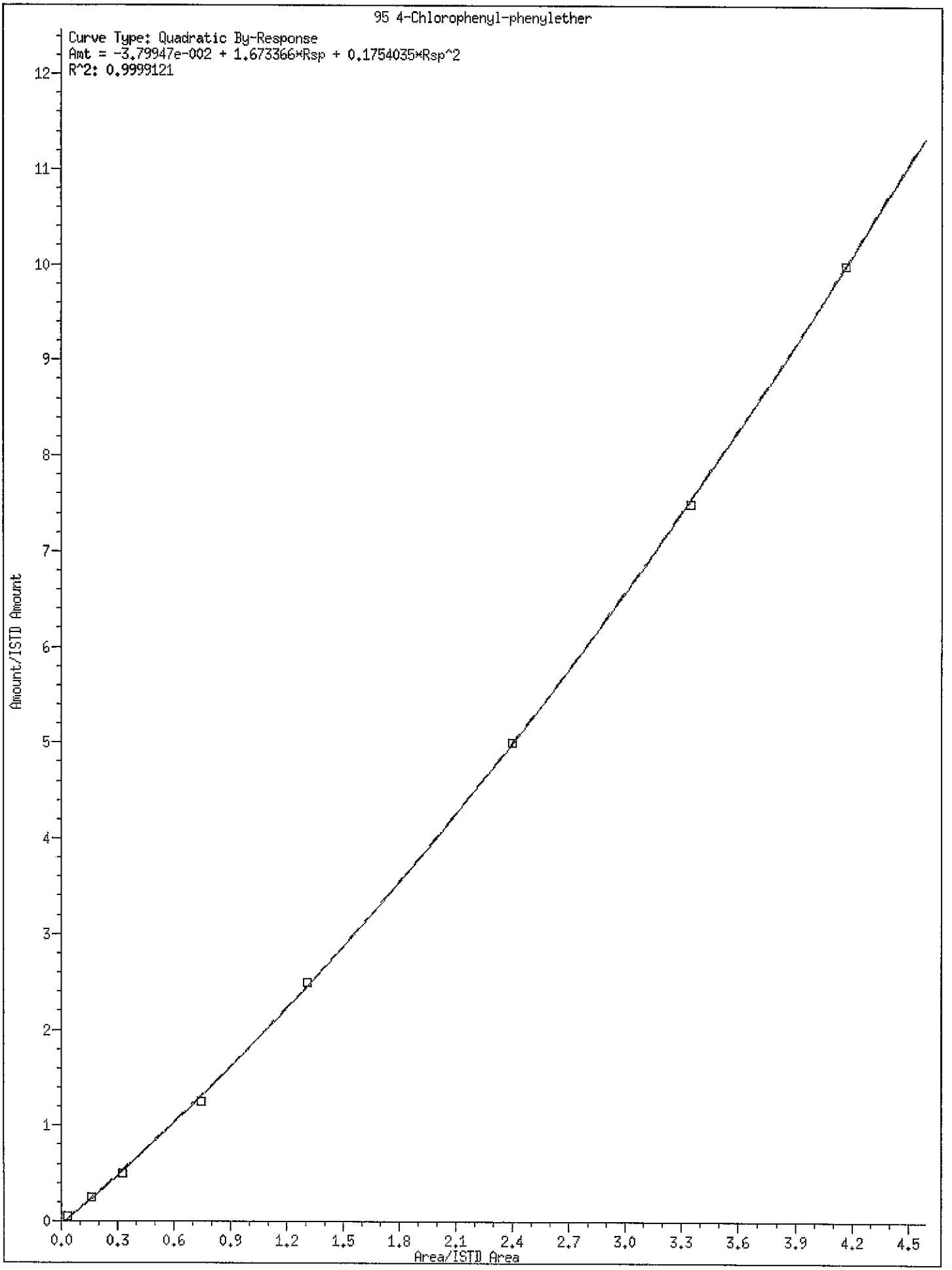
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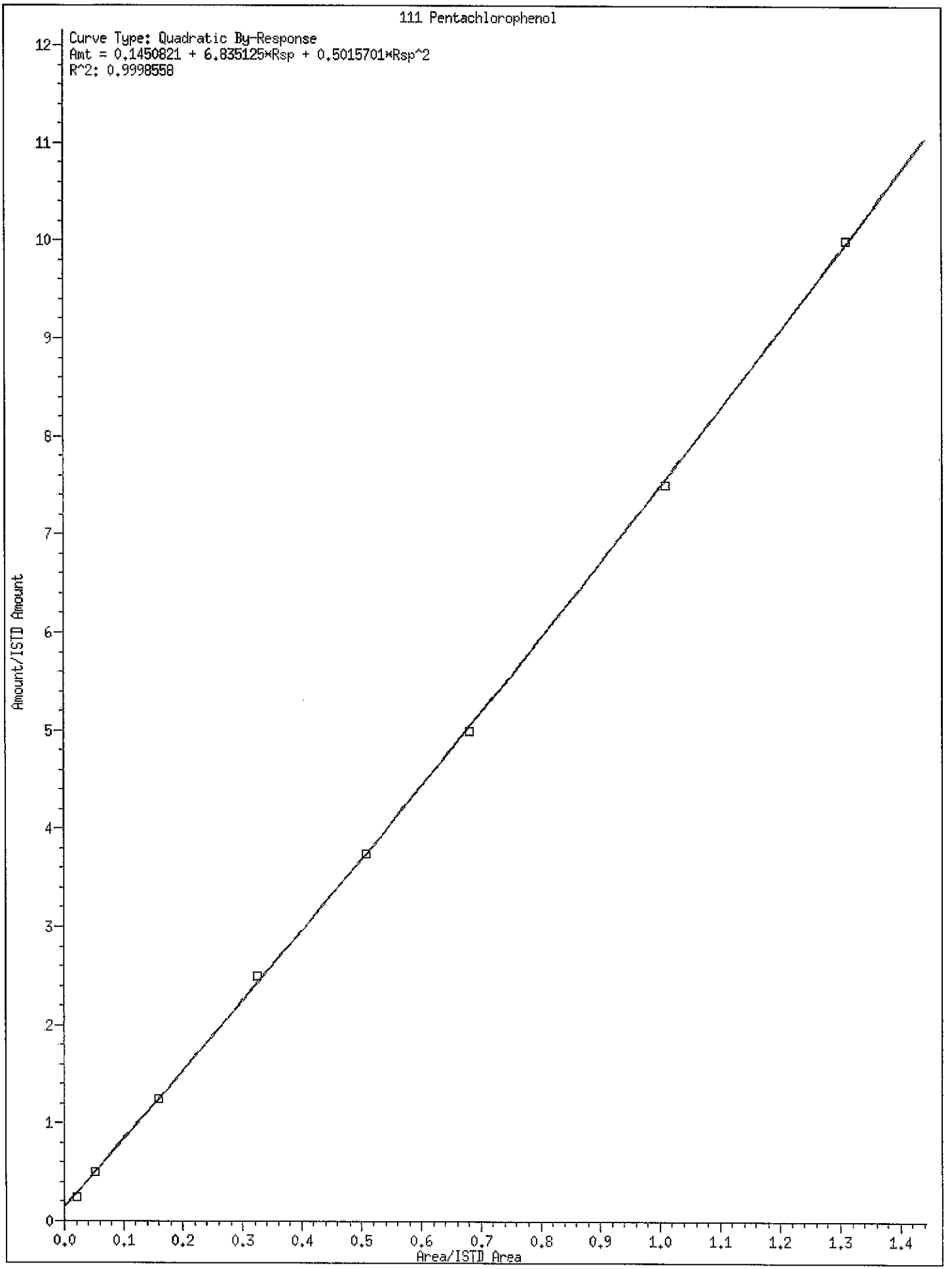
1259

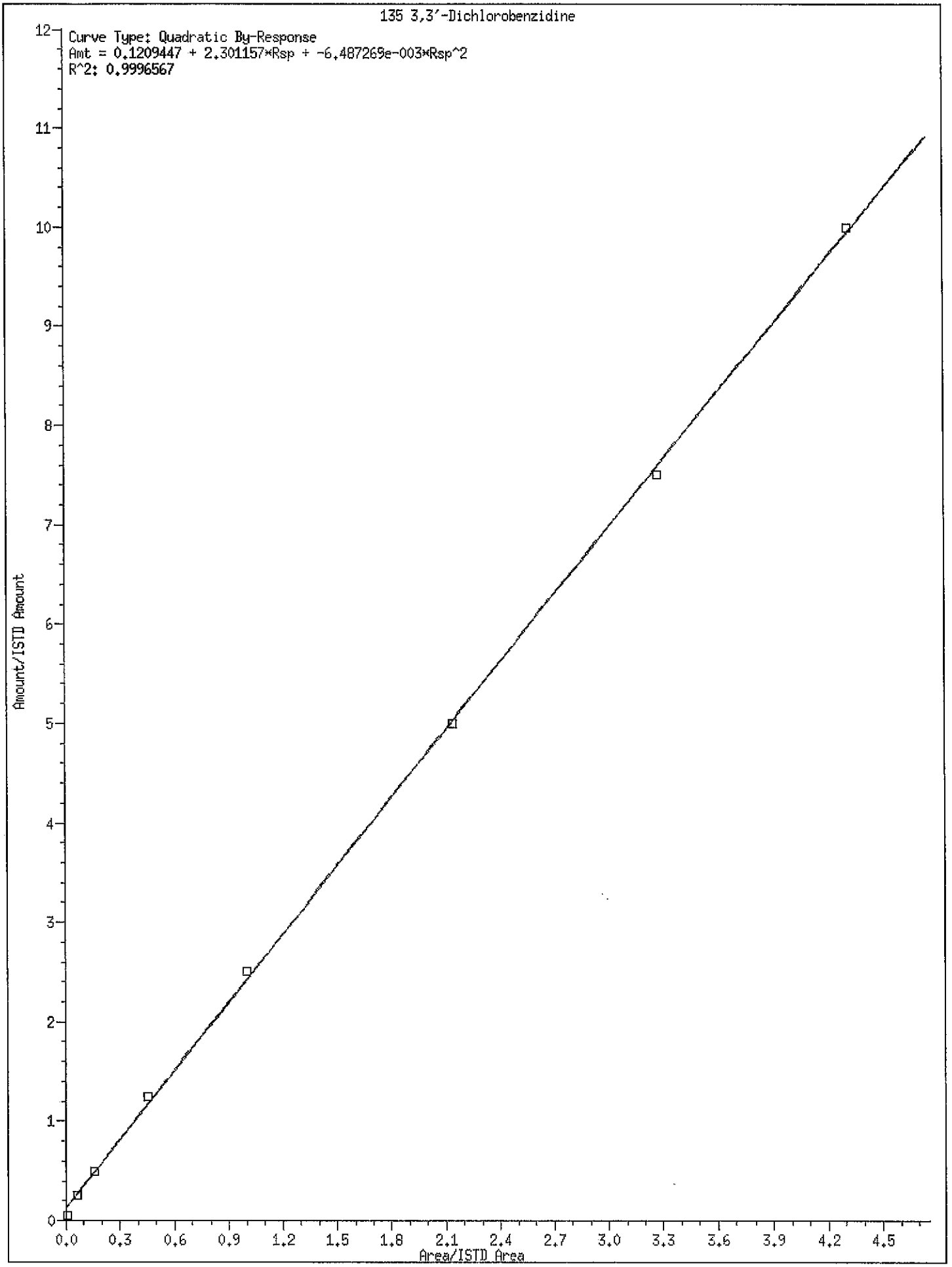
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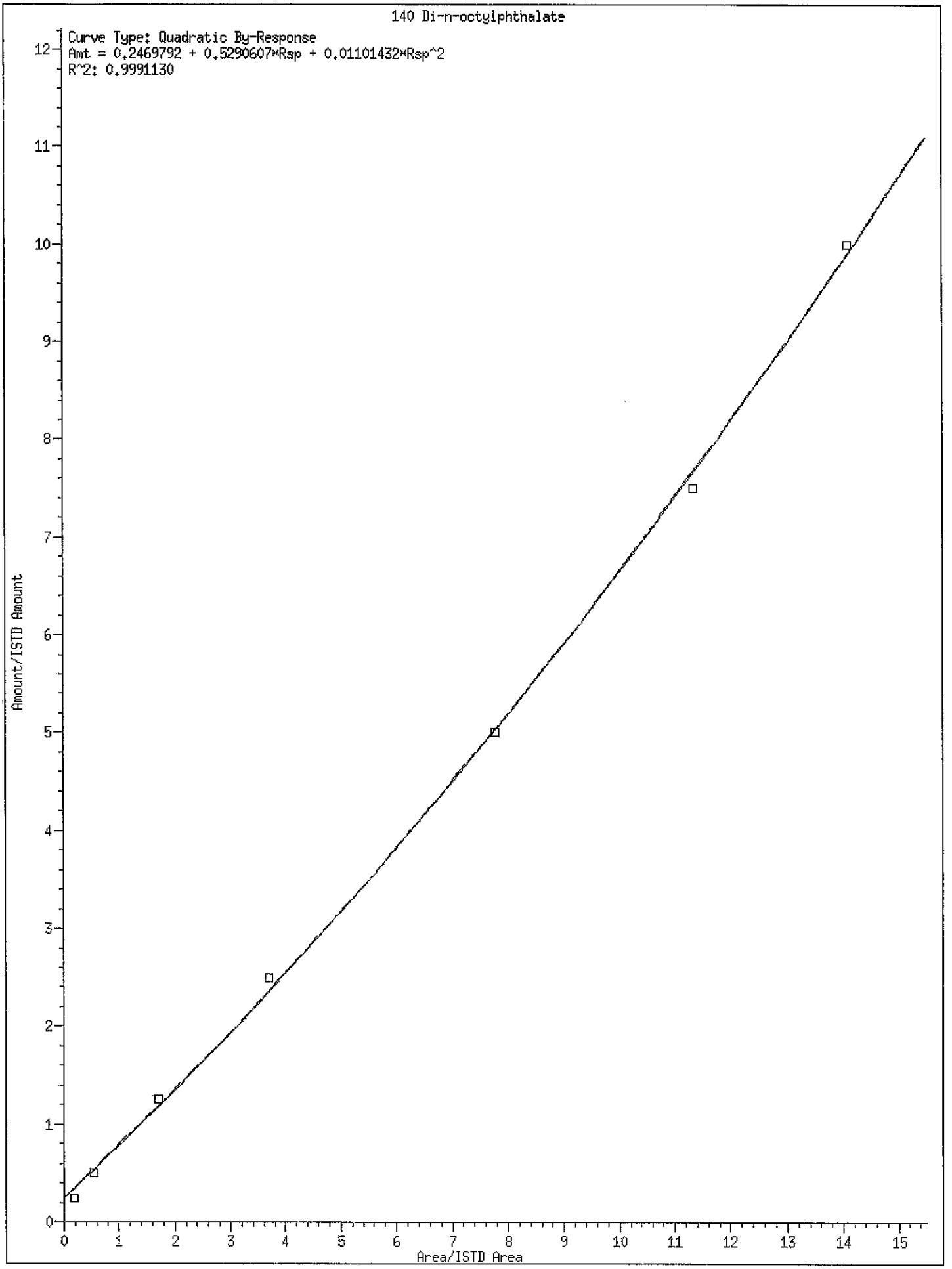

83 2,4-Dinitrophenol
Curve Type: Quadratic By-Response
Amt = 0.5091169 + 6.66444*Rsp + -0.3273169*Rsp^2
R^2: 0.9985020
Amount/ISTD Amount
Area/ISTD Area
0
1
2
3
4
5
6
7
8
9
10
11
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6

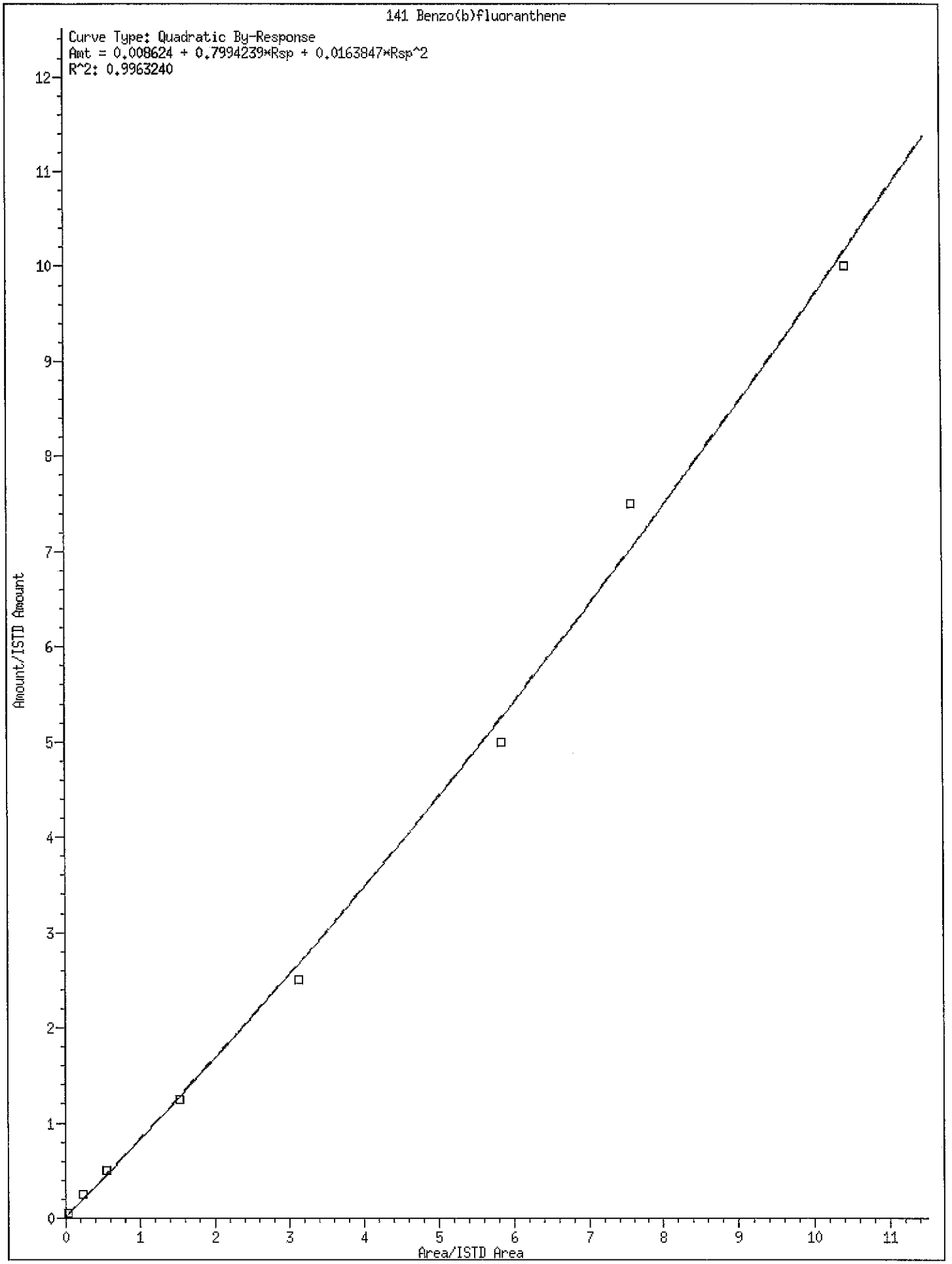

94 Fluorene
Curve Type: Quadratic By-Response
Amt = -7.4886e-003 + 0.7333936*Rsp + 0.04708331*Rsp^2
R^2: 0.9998970
Amount/ISTD Amount
Area/ISTD Area
0
1
2
3
4
5
6
7
8
9
10
11
12
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5

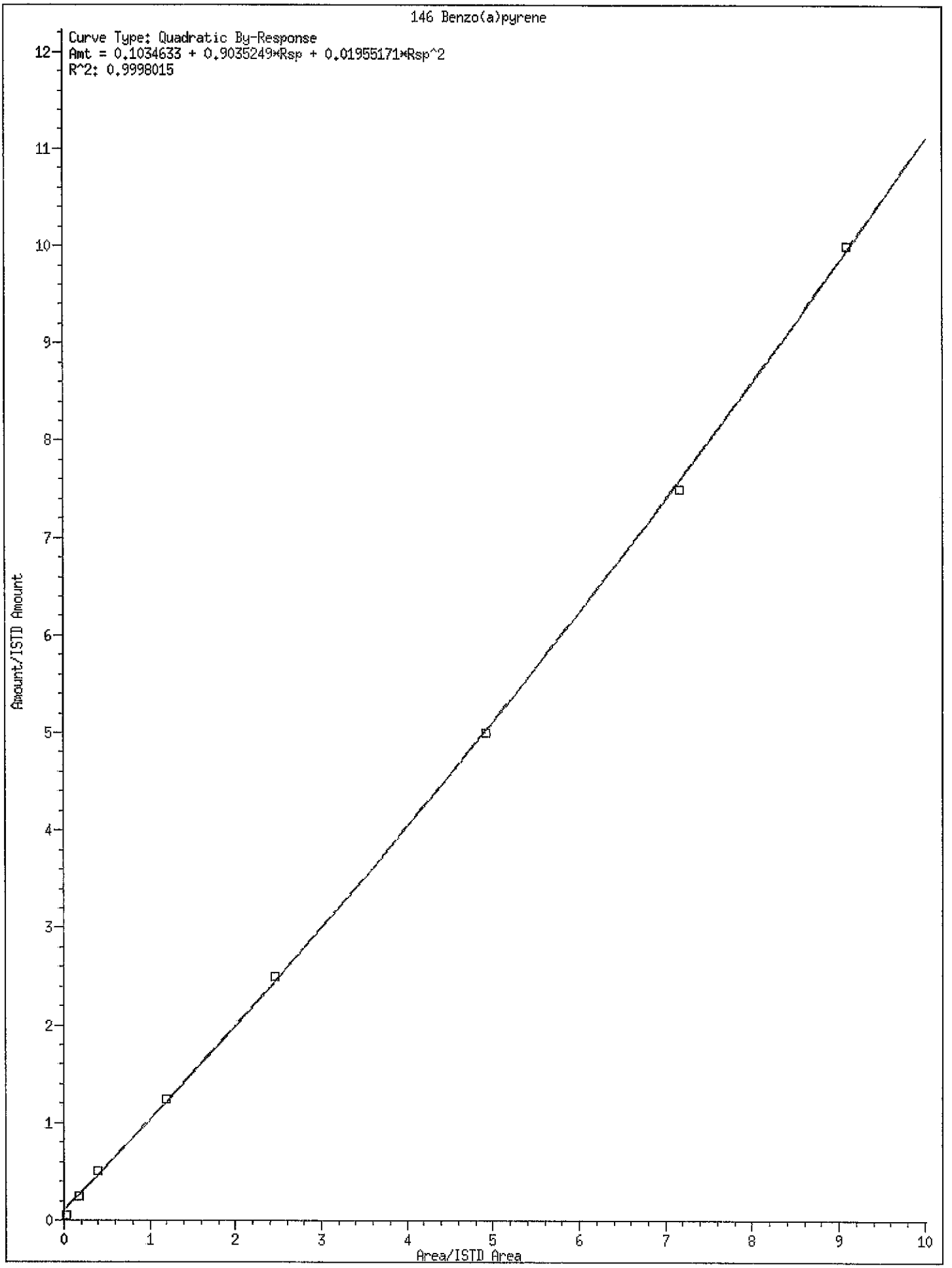

95 4-Chlorophenyl-phenylether
Curve Type: Quadratic By-Response
Amt = -3.79947e-002 + 1.673366*Rsp + 0.1754035*Rsp^2
R^2: 0.9999121
Amount/ISTD Amount
Area/ISTD Area
0
1
2
3
4
5
6
7
8
9
10
11
12
0.0
0.3
0.6
0.9
1.2
1.5
1.8
2.1
2.4
2.7
3.0
3.3
3.6
3.9
4.2
4.5

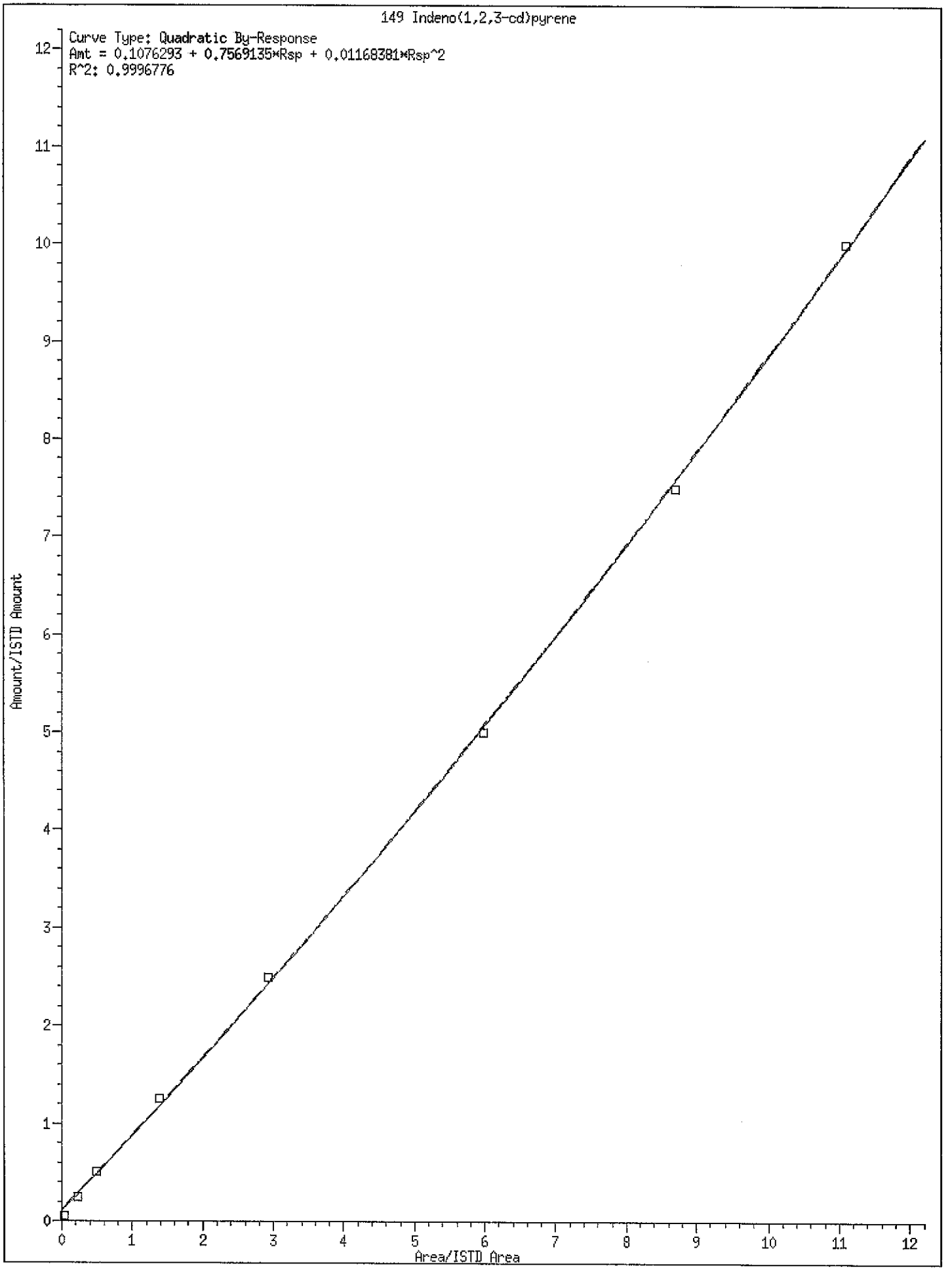

111 Pentachlorophenol
Curve Type: Quadratic By-Response
Amt = 0.1450821 + 6.835125*Rsp + 0.5015701*Rsp^2
R^2: 0.9998558
Amount/ISTD Amount
Area/ISTD Area
0
1
2
3
4
5
6
7
8
9
10
11
12
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4

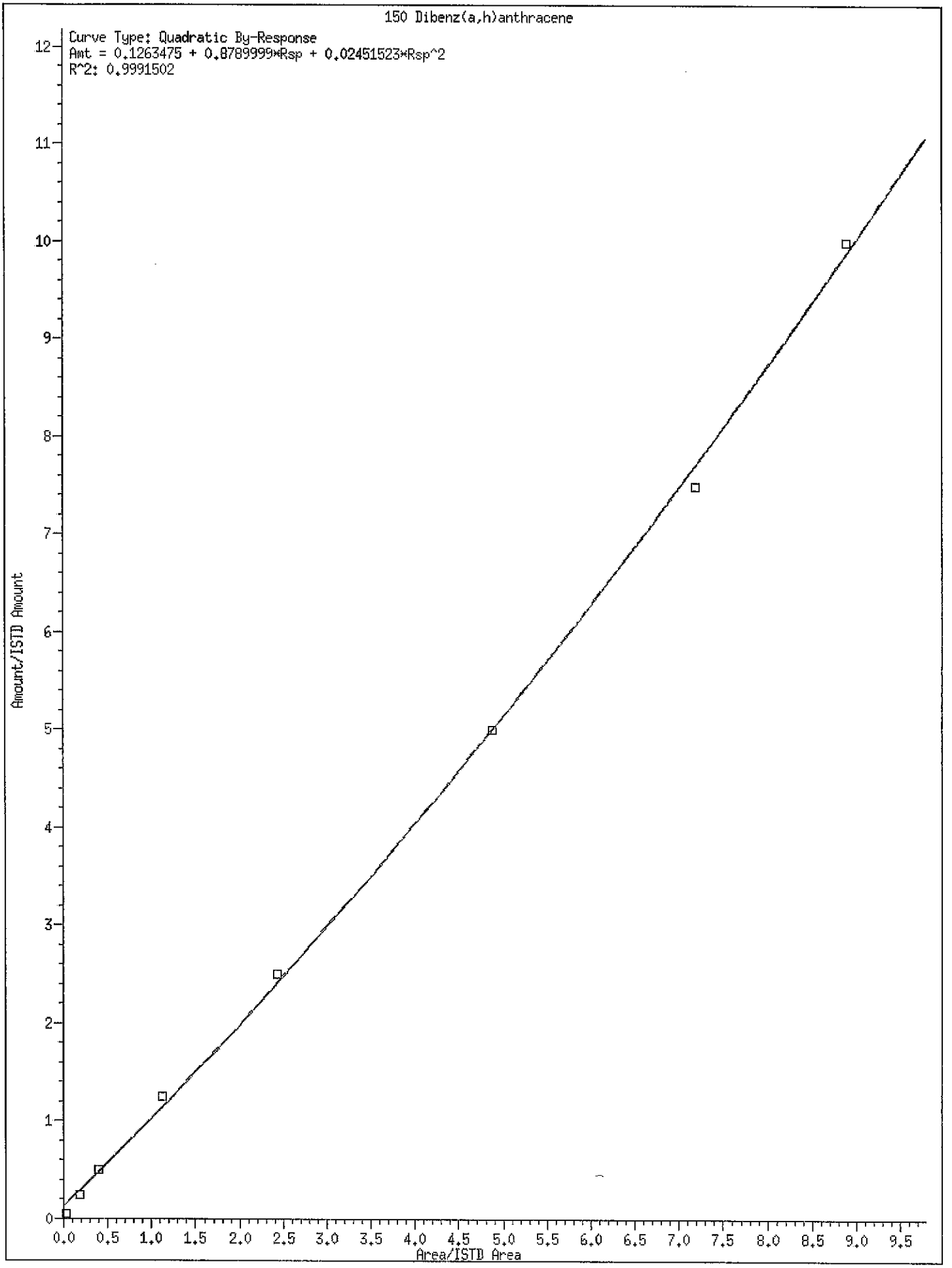

135 3,3'-Dichlorobenzidine
Curve Type: Quadratic By-Response
Amt = 0.1209447 + 2.301157*Rsp + -6.487269e-003*Rsp^2
R^2: 0.9996567
Amount/ISTD Amount
Area/ISTD Area
0
1
2
3
4
5
6
7
8
9
10
11
12
0.0
0.3
0.6
0.9
1.2
1.5
1.8
2.1
2.4
2.7
3.0
3.3
3.6
3.9
4.2
4.5


140 Di-n-octylphthalate
Curve Type: Quadratic By-Response
Amt = 0.2469792 + 0.5290607*Rsp + 0.0110143Z*Rsp^2
R^2: 0.9991130
Amount/ISTD Amount
Area/ISTD Area
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15


141 Benzo(b)fluoranthene
Curve Type: Quadratic By-Response
Amt = 0.008624 + 0.7994239*Rsp + 0.0163847*Rsp^2
R^2: 0.9963240
Amount/ISTD Amount
Area/ISTD Area
0
1
2
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12

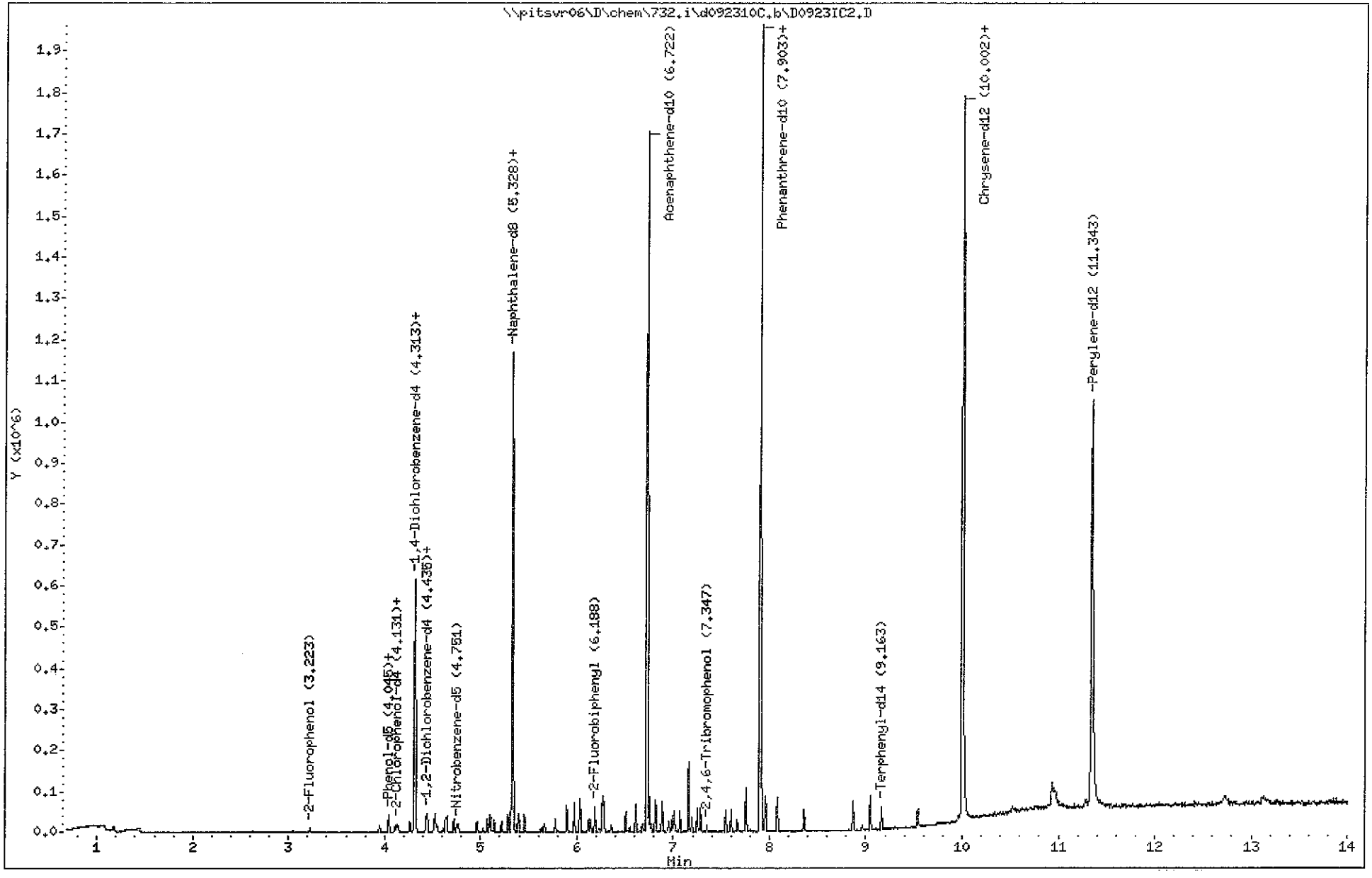

146 Benzo(a)pyrene
Curve Type: Quadratic By-Response
Amt = 0.1034633 + 0.9035249*Rsp + 0.01955171*Rsp^2
R^2: 0.9998015
Amount/ISTD Amount
Area/ISTD Area
0
1
2
3
4
5
6
7
8
9
10
11
12


149 Indeno(1,2,3-cd)pyrene
Curve Type: Quadratic By-Response
Amt = 0.1076293 + 0.7569135*Rsp + 0.01168381*Rsp^2
R^2: 0.9996776
Amount/ISTD Amount
Area/ISTD Area
0
1
2
3
4
5
6
7
8
9
10
11
12


150 Dibenz(a,h)anthracene
Curve Type: Quadratic By-Response
Amt = 0.1263475 + 0.8789999*Rsp + 0.02451523*Rsp^2
R^2: 0.9991502
Amount/ISTD Amount
Area/ISTD Area
0
1
2
3
4
5
6
7
8
9
10
11
12
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
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6.0
6.5
7.0
7.5
8.0
8.5
9.0
9.5

Data File: \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC2.D
Date : 23-SEP-2010 18:21
Client ID: sstd.4
Sample Info: SSTD0.4(0.2ug/ml) BNA0660-10

Instrument: 732.i
Operator: 430261no
Column phase: DB5-HS
Column diameter: 0.32



C0K030562 1270 (1001 - 1489)

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC2.D
Lab Smp Id: sstd0.4 Client Smp ID: sstd.4
Inj Date : 23-SEP-2010 18:21
Operator : 430261nc Inst ID: 732.i
Smp Info : SSTD0.4(0.2ug/ml) BNA0660-10
Misc Info : sstd0.4,d092310C.b,ll.m,3-root.sub,1,1
Comment :
Method : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Meth Date : 27-Sep-2010 11:57 campisin Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.312	4.312	(1.000)	91732	8.00000	
* 2	Naphthalene-d8	136	5.327	5.327	(1.000)	450124	8.00000	
* 3	Acenaphthene-d10	164	6.721	6.722	(1.000)	344668	8.00000	
* 4	Phenanthrene-d10	188	7.902	7.902	(1.000)	649031	8.00000	
* 5	Chrysene-d12	240	10.002	10.007	(1.000)	640691	8.00000	
* 6	Perylene-d12	264	11.342	11.354	(1.000)	533490	8.00000	
198	1,4-Dioxane	88	0.946	0.925	(0.220)	1406	0.40000	0.48426(QM)
10	N-Nitrosodimethylamine	74	1.363	1.331	(0.316)	389	0.40000	0.10952(QMH)
9	Pyridine	79	1.443	1.364	(0.335)	1040	0.40000	0.15085(QM)
16	Methyl methanesulfonate	80	3.046	3.030	(0.706)	1883	0.40000	0.36944(QM)
206	Benzaldehyde	77	3.949	3.944	(0.916)	3222	0.40000	0.39503
21	Aniline	93	4.045	4.045	(0.938)	8702	0.40000	0.44618
22	Phenol	94	4.045	4.051	(0.938)	7409	0.40000	0.43499
23	bis(2-Chloroethyl)ether	93	4.109	4.109	(0.953)	5827	0.40000	0.45992
24	2-Chlorophenol	128	4.141	4.142	(0.960)	5828	0.40000	0.39469
26	1,3-Dichlorobenzene	146	4.264	4.264	(0.989)	7918	0.40000	0.43326
27	1,4-Dichlorobenzene	146	4.328	4.328	(1.004)	7999	0.40000	0.42848
28	1,2-Dichlorobenzene	146	4.446	4.446	(1.031)	8258	0.40000	0.45282
29	Benzyl Alcohol	108	4.430	4.430	(1.027)	3512	0.40000	0.39308(Q)
217	Indene	116	4.520	4.521	(1.048)	10939	0.40000	0.41438
30	2-Methylphenol	108	4.526	4.537	(1.050)	5999	0.40000	0.43071
31	2,2'-oxybis(1-Chloropropane)	45	4.547	4.548	(1.055)	7934	0.40000	0.43796
36	N-Nitrosopyrrolidine	100	4.611	4.617	(1.069)	2153	0.40000	0.32908
37	Acetophenone	105	4.638	4.638	(1.076)	9062	0.40000	0.44113
32	N-Nitroso-di-n-propylamine	70	4.643	4.649	(1.077)	3641	0.40000	0.40637
192	4-Methylphenol	108	4.649	4.654	(1.078)	5893	0.40000	0.42731
34	Hexachloroethane	117	4.723	4.718	(1.095)	3372	0.40000	0.40238
35	Nitrobenzene	77	4.766	4.772	(0.895)	5118	0.40000	0.34025
41	Isophorone	82	4.964	4.964	(0.932)	10731	0.40000	0.37282(M)
42	2-Nitrophenol	139	5.028	5.028	(0.944)	1921	0.40000	0.21251
43	2,4-Dimethylphenol	107	5.071	5.071	(0.952)	6056	0.40000	0.37228
44	bis(2-Chloroethoxy)methane	93	5.140	5.146	(0.965)	8213	0.40000	0.40300
48	2,4-Dichlorophenol	162	5.215	5.221	(0.979)	6501	0.40000	0.40402

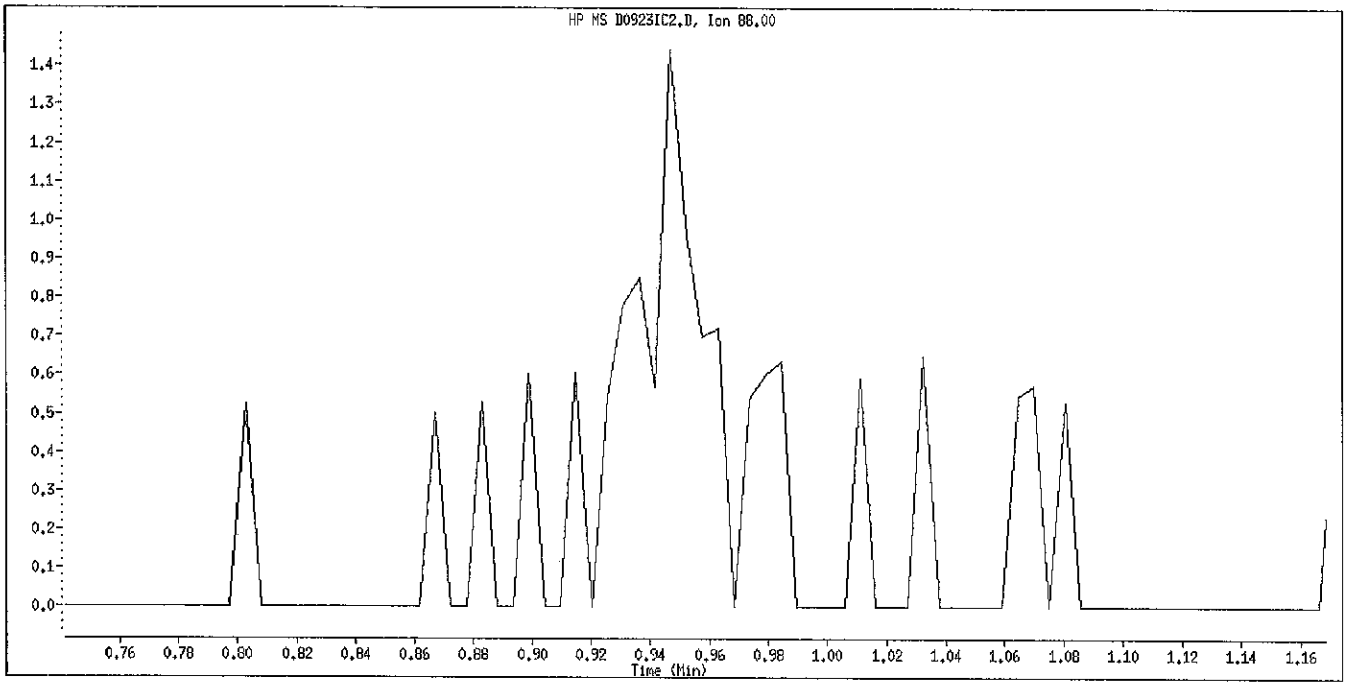
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
49	Benzoic Acid	122	5.097	5.162	(0.957)	10942	2.00000	1.0278 (MH)
50	1,2,4-Trichlorobenzene	180	5.284	5.290	(0.992)	8269	0.40000	0.43261
51	Naphthalene	128	5.343	5.344	(1.003)	25742	0.40000	0.44647
52	4-Chloroaniline	127	5.391	5.392	(1.012)	9580	0.40000	0.40262
54	2,6-Dichlorophenol	162	5.397	5.397	(1.013)	6861	0.40000	0.42277
56	Hexachlorobutadiene	225	5.455	5.456	(1.024)	4903	0.40000	0.43572 (Q)
208	Caprolactam	113	5.626	5.669	(1.056)	1324	0.40000	0.26028
59	4-Chloro-3-Methylphenol	107	5.776	5.782	(1.084)	5920	0.40000	0.37051
62	2-Methylnaphthalene	142	5.893	5.894	(1.106)	17233	0.40000	0.42592
63	1-Methylnaphthalene	142	5.973	5.974	(1.121)	17444	0.40000	0.43278
64	Hexachlorocyclopentadiene	237	6.032	6.033	(0.897)	3762	0.40000	0.30150
65	1,2,4,5-Tetrachlorobenzene	216	6.032	6.033	(0.897)	9805	0.40000	0.47394
66	2,4,6-Trichlorophenol	196	6.123	6.123	(0.911)	5238	0.40000	0.37330
67	2,4,5-Trichlorophenol	196	6.144	6.156	(0.914)	5454	0.40000	0.36455
209	1,1'-Biphenyl	154	6.267	6.268	(0.932)	23381	0.40000	0.43559
70	2-Chloronaphthalene	162	6.278	6.284	(0.934)	19258	0.40000	0.43988
73	2-Nitroaniline	65	6.358	6.359	(0.946)	2514	0.40000	0.25503 (Q)
76	Dimethylphthalate	163	6.508	6.513	(0.968)	17359	0.40000	0.37871
78	2,6-Dinitrotoluene	165	6.550	6.556	(0.975)	1681	0.40000	0.17622
79	Acenaphthylene	152	6.609	6.610	(0.983)	25764	0.40000	0.36260
81	3-Nitroaniline	138	6.679	6.684	(0.994)	2673	0.40000	0.21656
82	Acenaphthene	153	6.748	6.749	(1.004)	18882	0.40000	0.42534
83	2,4-Dinitrophenol	184	6.764	6.770	(1.006)	2842	2.00000	4.5124 (Q)
85	4-Nitrophenol	109	6.812	6.823	(1.014)	6987	2.00000	1.1945
86	Dibenzofuran	168	6.887	6.887	(1.025)	29883	0.40000	0.44347
87	2,4-Dinitrotoluene	165	6.866	6.877	(1.021)	2762	0.40000	0.20038
91	2,3,5,6-Tetrachlorophenol	232	6.951	6.957	(1.034)	4447	0.40000	0.34323
88	2,3,4,6-Tetrachlorophenol	232	6.983	6.989	(1.039)	4928	0.40000	0.37058
92	2-Naphthylamine	143	7.005	7.010	(1.042)	17778	0.40000	0.40065
93	Diethylphthalate	149	7.069	7.074	(1.052)	20356	0.40000	0.40400
94	Fluorene	166	7.159	7.160	(1.065)	23157	0.40000	0.33598
95	4-Chlorophenyl-phenylether	204	7.159	7.160	(1.065)	11506	0.40000	0.14450
96	4-Nitroaniline	138	7.159	7.176	(1.065)	3288	0.40000	0.28112
98	4,6-Dinitro-2-methylphenol	198	7.192	7.197	(0.910)	4577	2.00000	0.51879
99	N-Nitrosodiphenylamine (1)	169	7.250	7.256	(0.918)	13384	0.40000	0.37068
100	1,2-Diphenylhydrazine	77	7.282	7.288	(0.922)	21419	0.40000	0.37872
106	4-Bromophenyl-phenylether	248	7.544	7.550	(0.955)	5490	0.40000	0.36097
107	Hexachlorobenzene	284	7.603	7.603	(0.962)	7367	0.40000	0.43744
210	Atrazine	200	7.672	7.678	(0.971)	3823	0.40000	0.29873
111	Pentachlorophenol	266	7.752	7.758	(0.981)	13097	2.00000	2.2657 (Q)
115	Phenanthrene	178	7.918	7.924	(1.002)	39421	0.40000	0.43415
116	Anthracene	178	7.961	7.967	(1.007)	32327	0.40000	0.36360
119	Carbazole	167	8.084	8.089	(1.023)	31894	0.40000	0.37912
120	Di-n-Butylphthalate	149	8.361	8.362	(1.058)	25427	0.40000	0.24842
123	Fluoranthene	202	8.869	8.869	(1.122)	31697	0.40000	0.33293
124	Benzidine	184	8.965	8.966	(0.896)	7648	0.40000	0.18142
125	Pyrene	202	9.045	9.051	(0.904)	34295	0.40000	0.35306
131	Butylbenzylphthalate	149	9.542	9.543	(0.954)	9420	0.40000	0.21754
135	3,3'-Dichlorobenzidine	252	9.964	9.970	(0.996)	5603	0.40000	1.1285
136	Benzo(a)Anthracene	228	9.996	9.997	(0.999)	31035	0.40000	0.37216
137	Chrysene	228	10.023	10.029	(1.002)	38095	0.40000	0.41572
139	bis(2-ethylhexyl)Phthalate	149	9.991	9.991	(0.999)	13130	0.40000	0.23428 (QM)
140	Di-n-octylphthalate	149	10.525	10.536	(0.928)	11741	0.40000	2.0690 (M)
141	Benzo(b)fluoranthene	252	10.942	10.958	(0.965)	17315	0.40000	0.27670 (QM)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
142 Benzo(k)fluoranthene	252	10.968	10.980	(0.967)	39394	0.40000	0.45280(M)
143 7,12-dimethylbenz[a]anthracen	256	10.931	10.942	(0.964)	9598	0.40000	0.29569
146 Benzo(a)pyrene	252	11.284	11.295	(0.995)	12980	0.40000	1.0037(H)
149 Indeno(1,2,3-cd)pyrene	276	12.715	12.737	(1.121)	16629	0.40000	1.0499(QM)
150 Dibenz(a,h)anthracene	278	12.731	12.759	(1.122)	13033	0.40000	1.1827(QM)
151 Benzo(g,h,i)perylene	276	13.127	13.154	(1.157)	18554	0.40000	0.29217(QM)
$ 154 Nitrobenzene-d5	82	4.750	4.756	(0.892)	5448	0.40000	0.35427
$ 155 2-Fluorobiphenyl	172	6.187	6.193	(0.921)	19077	0.40000	0.41410
$ 156 Terphenyl-d14	244	9.163	9.163	(0.916)	19525	0.40000	0.34030
$ 157 Phenol-d5	99	4.034	4.040	(0.936)	6174	0.40000	0.41982
$ 158 2-Fluorophenol	112	3.222	3.217	(0.747)	3879	0.40000	0.38988
$ 159 2,4,6-Tribromophenol	330	7.352	7.352	(0.930)	2058	0.40000	0.30076
$ 186 2-Chlorophenol-d4	132	4.130	4.131	(0.958)	5195	0.40000	0.36512
$ 187 1,2-Dichlorobenzene-d4	152	4.435	4.435	(1.028)	5024	0.40000	0.45377

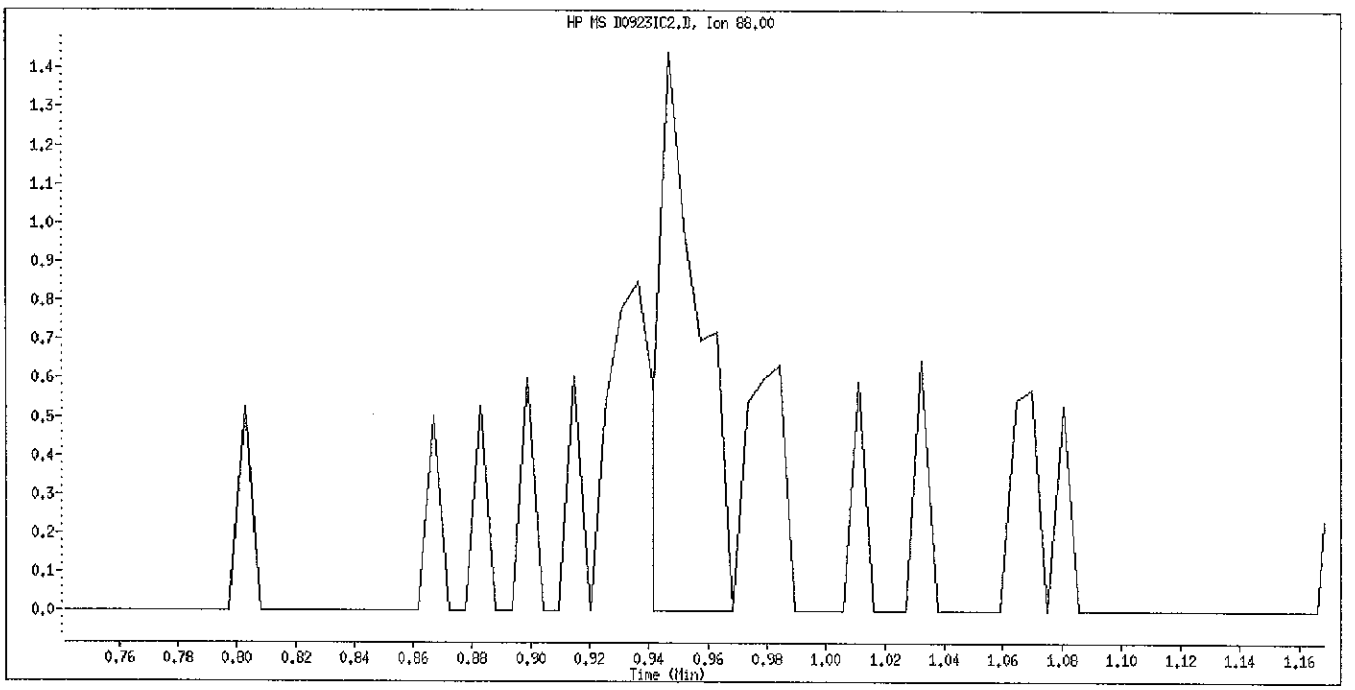
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: D0923IC2.D
Inj. Date and Time: 23-SEP-2010 18:21
Instrument ID: 732.i
Client ID: sstd.4
Compound Name: 1,4-Dioxane
CAS #: 123-91-1



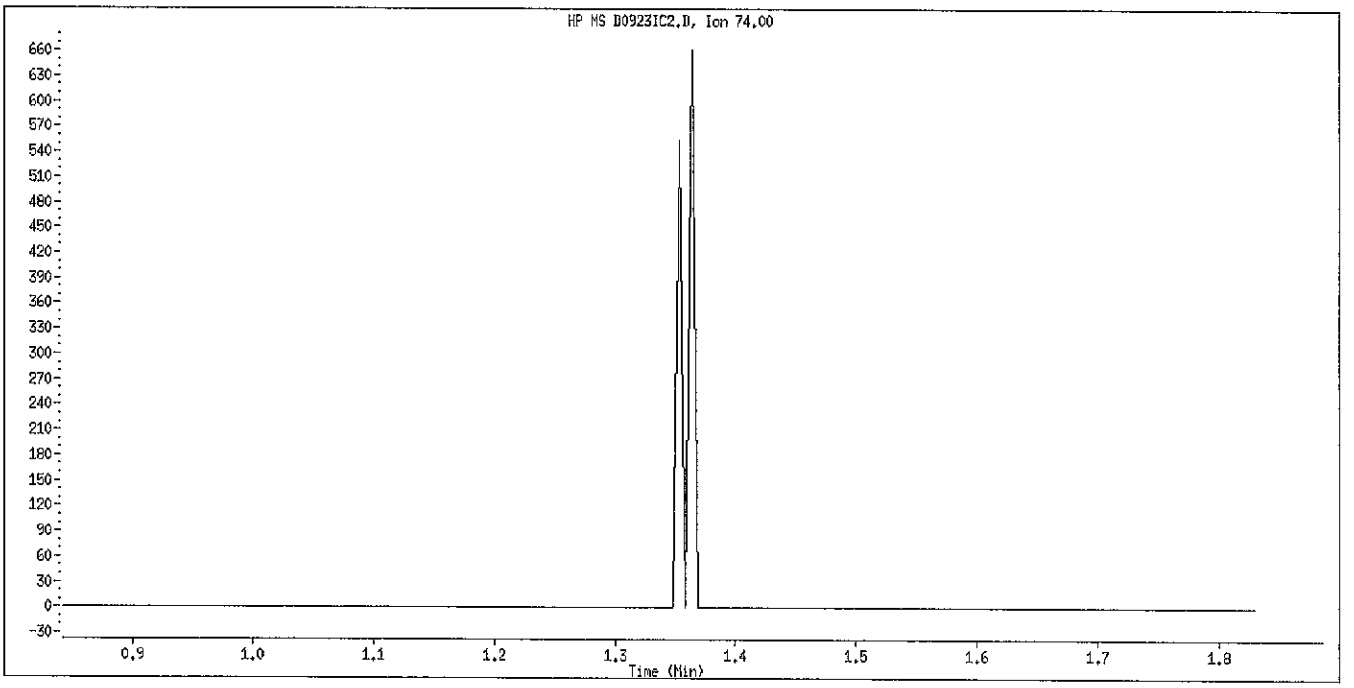
Original Integration



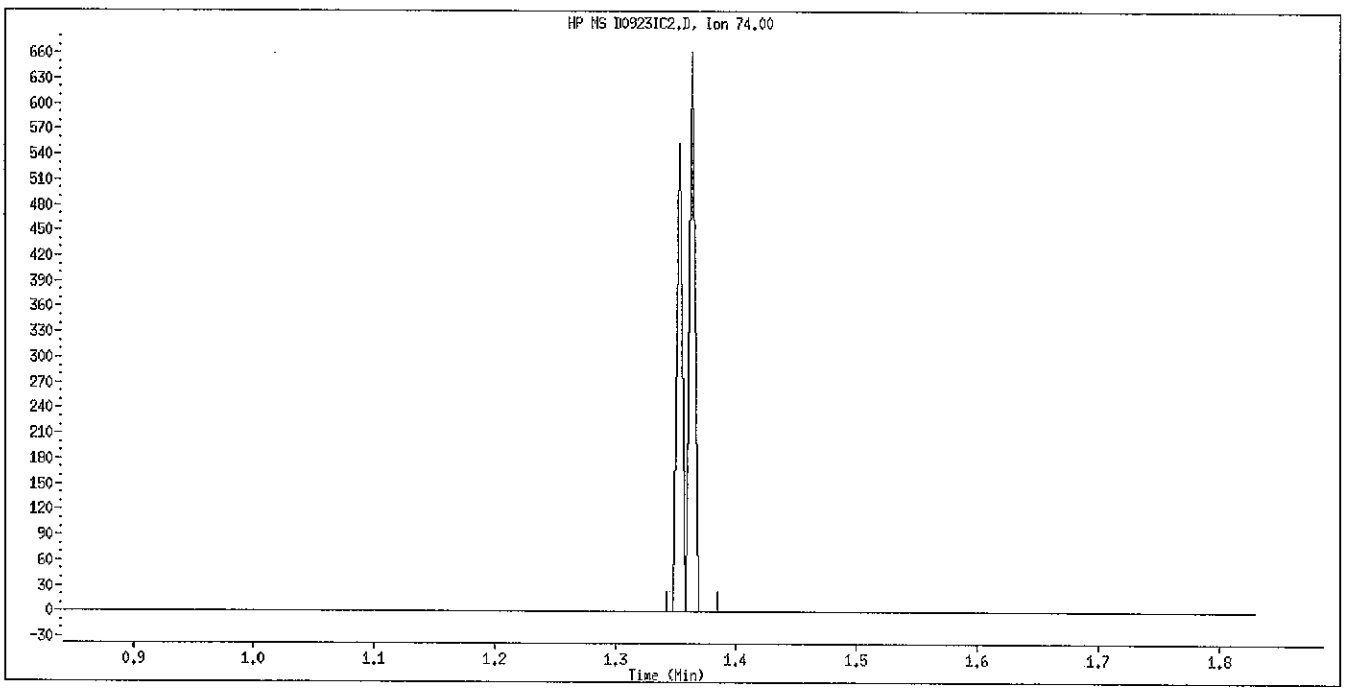
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Unknown

Data File Name: D0923IC2.D
Inj. Date and Time: 23-SEP-2010 18:21
Instrument ID: 732.i
Client ID: sstd.4
Compound Name: N-Nitrosodimethylamine
CAS #: 62-75-9



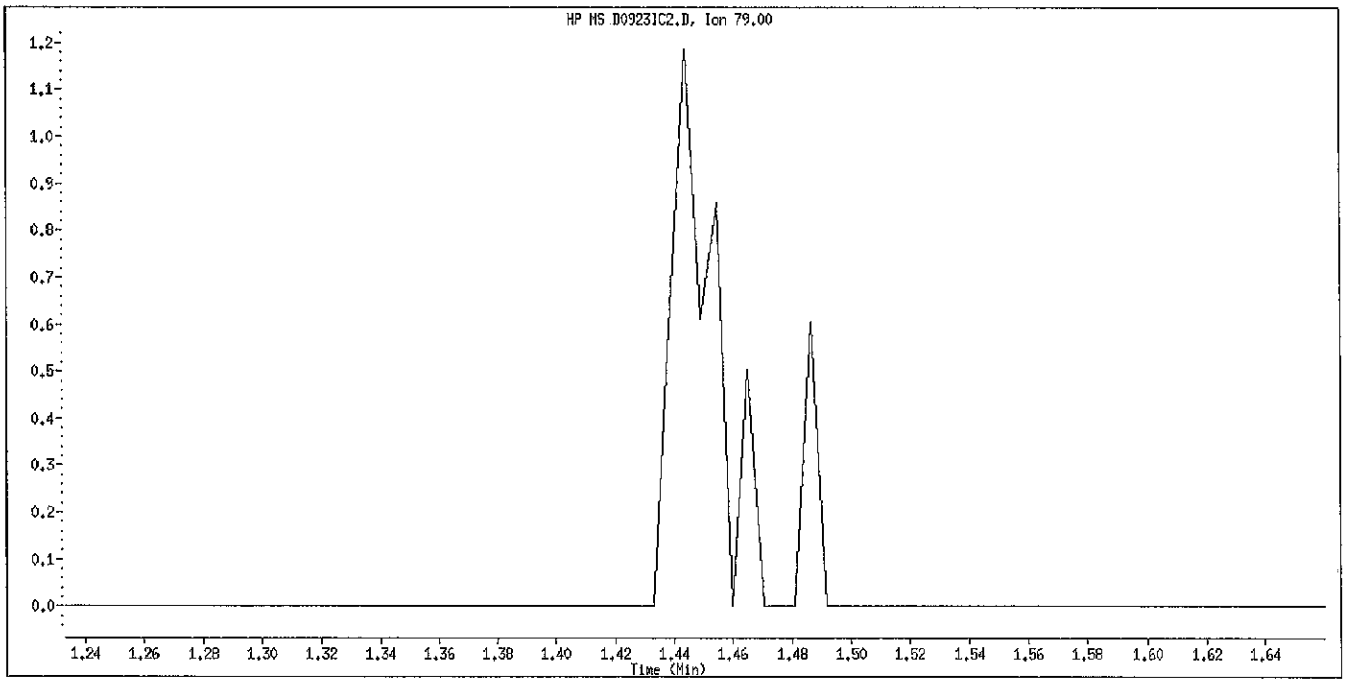
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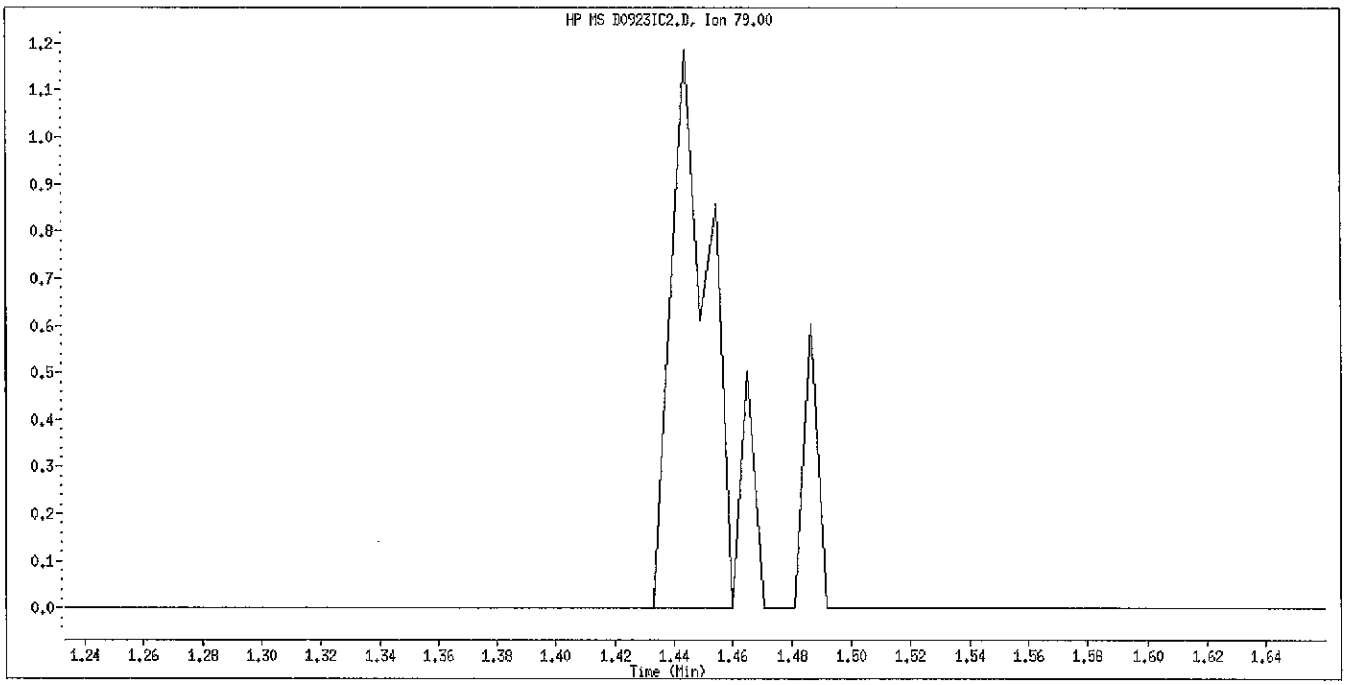
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Unknown

Data File Name: D0923IC2.D
Inj. Date and Time: 23-SEP-2010 18:21
Instrument ID: 732.i
Client ID: sstd.4
Compound Name: Pyridine
CAS #: 110-86-1



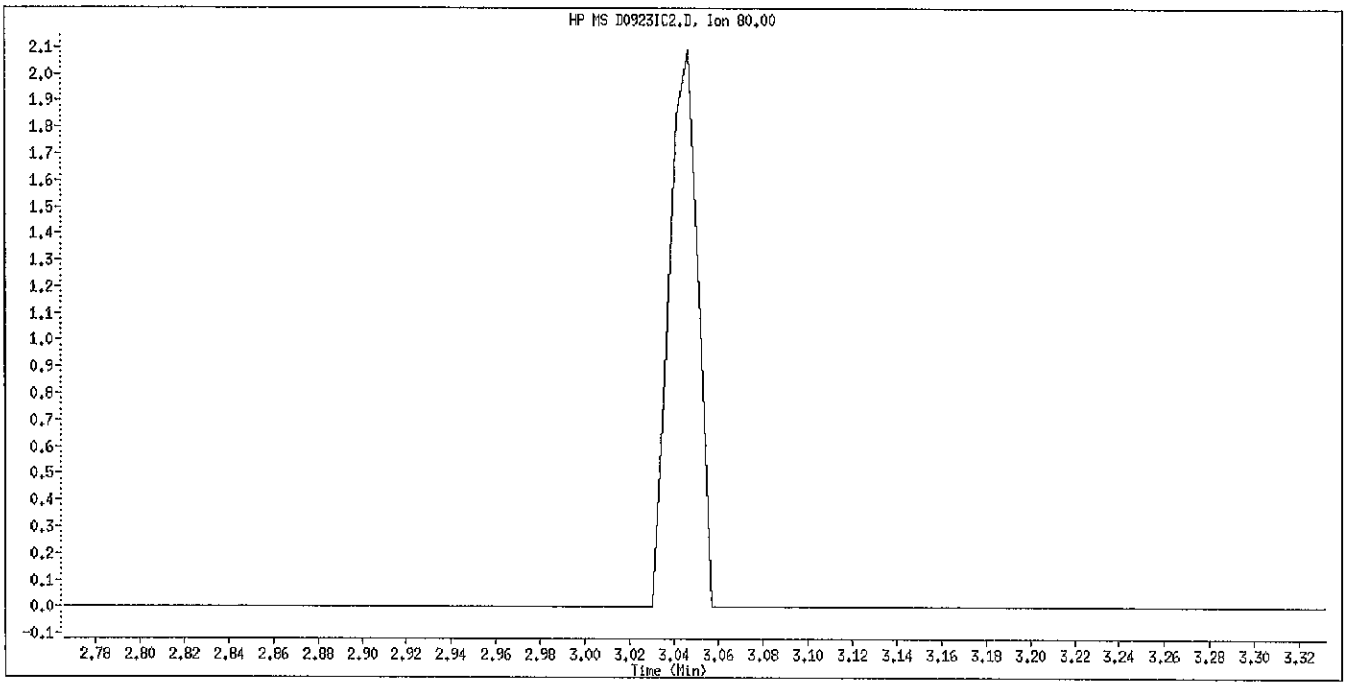
Original Integration



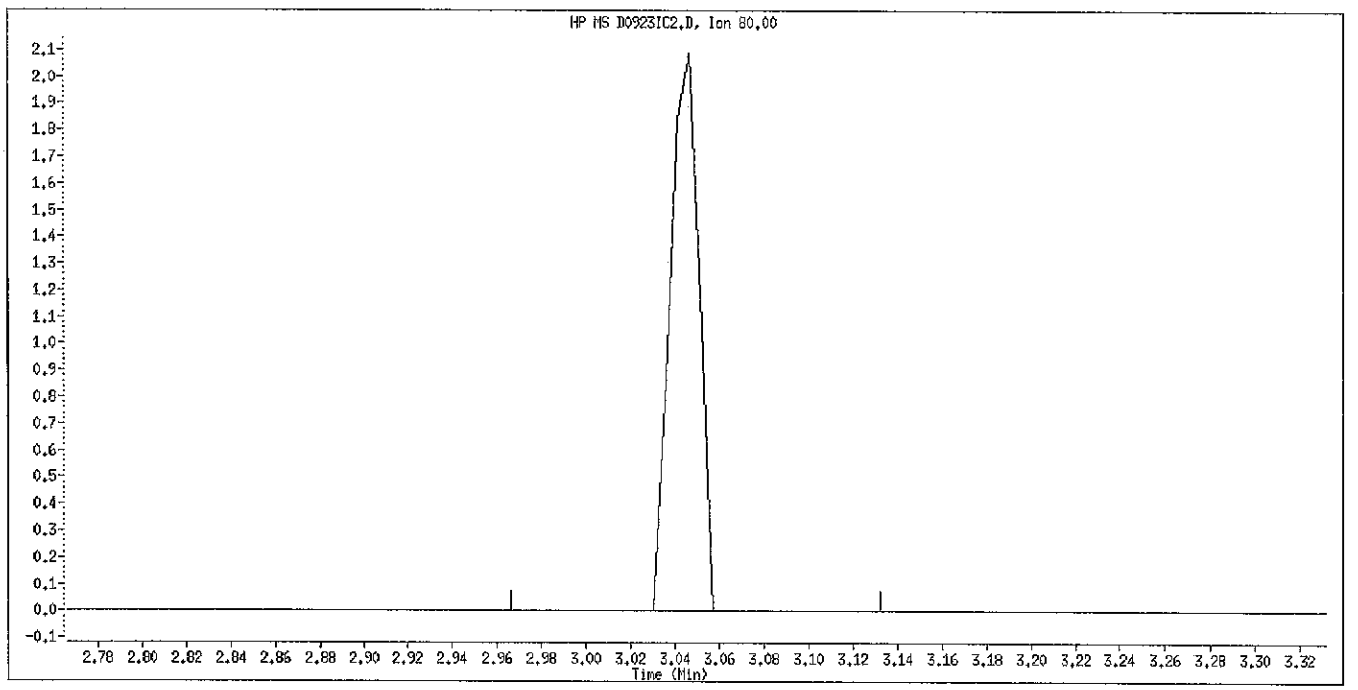
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC2.D
Inj. Date and Time: 23-SEP-2010 18:21
Instrument ID: 732.i
Client ID: sstd.4
Compound Name: Methyl methanesulfonate
CAS #: 66-27-3



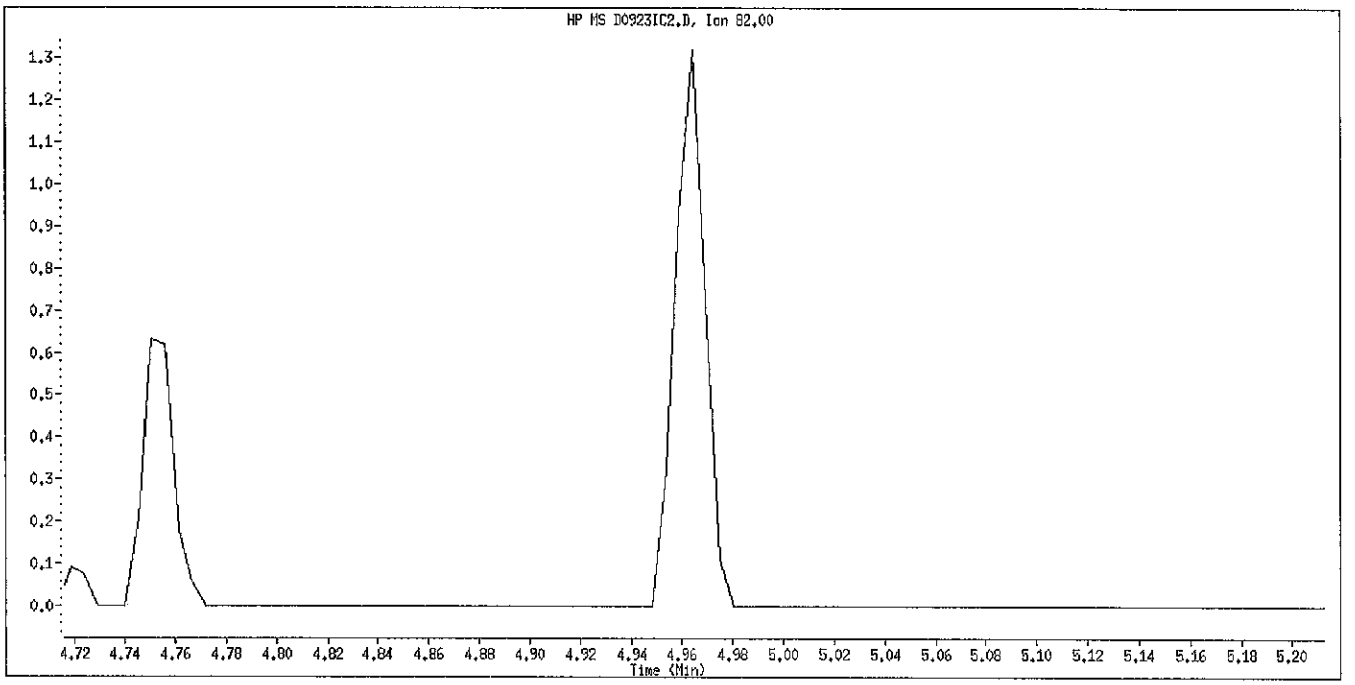
Original Integration



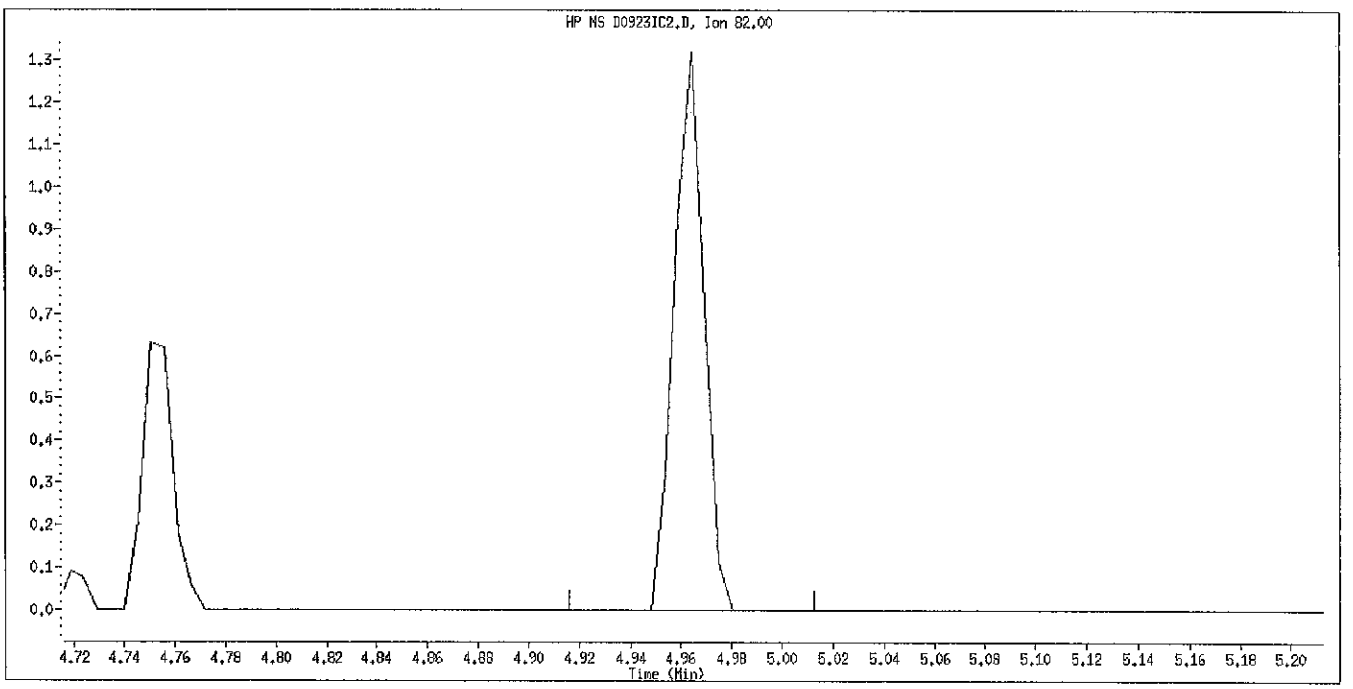
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC2.D
Inj. Date and Time: 23-SEP-2010 18:21
Instrument ID: 732.i
Client ID: sstd.4
Compound Name: Isophorone
CAS #: 78-59-1



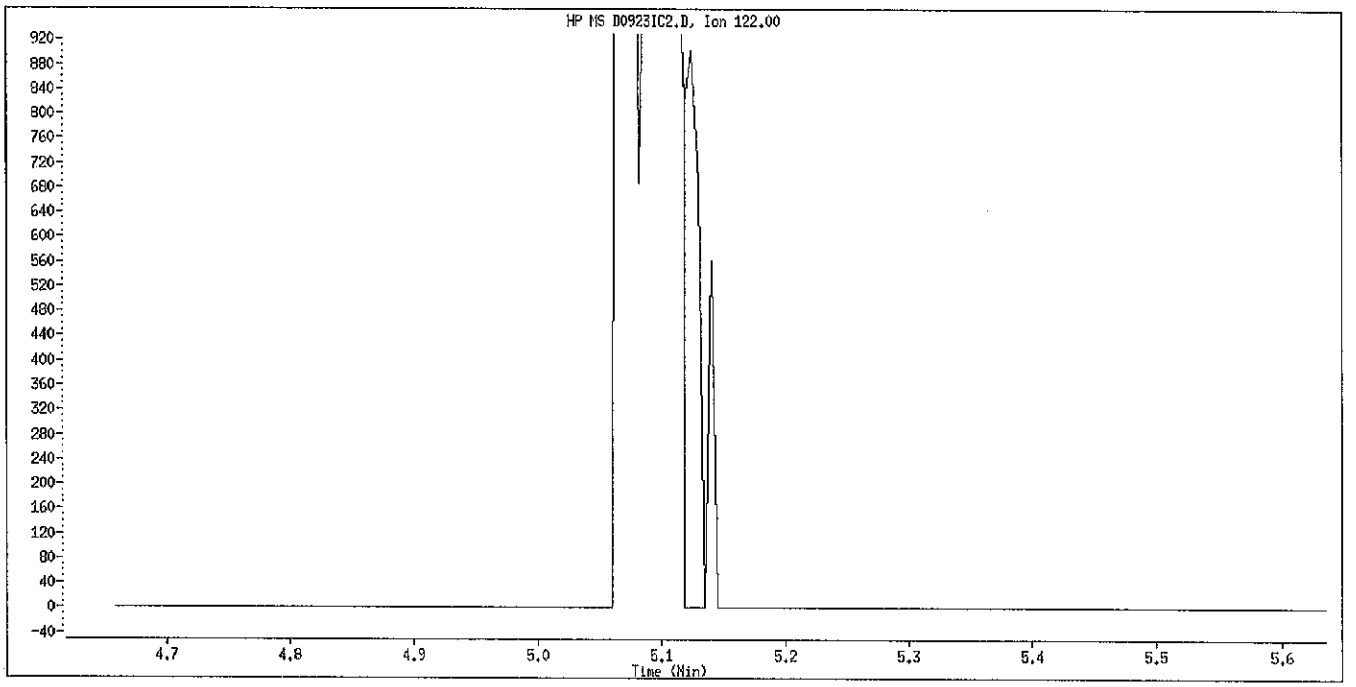
Original Integration



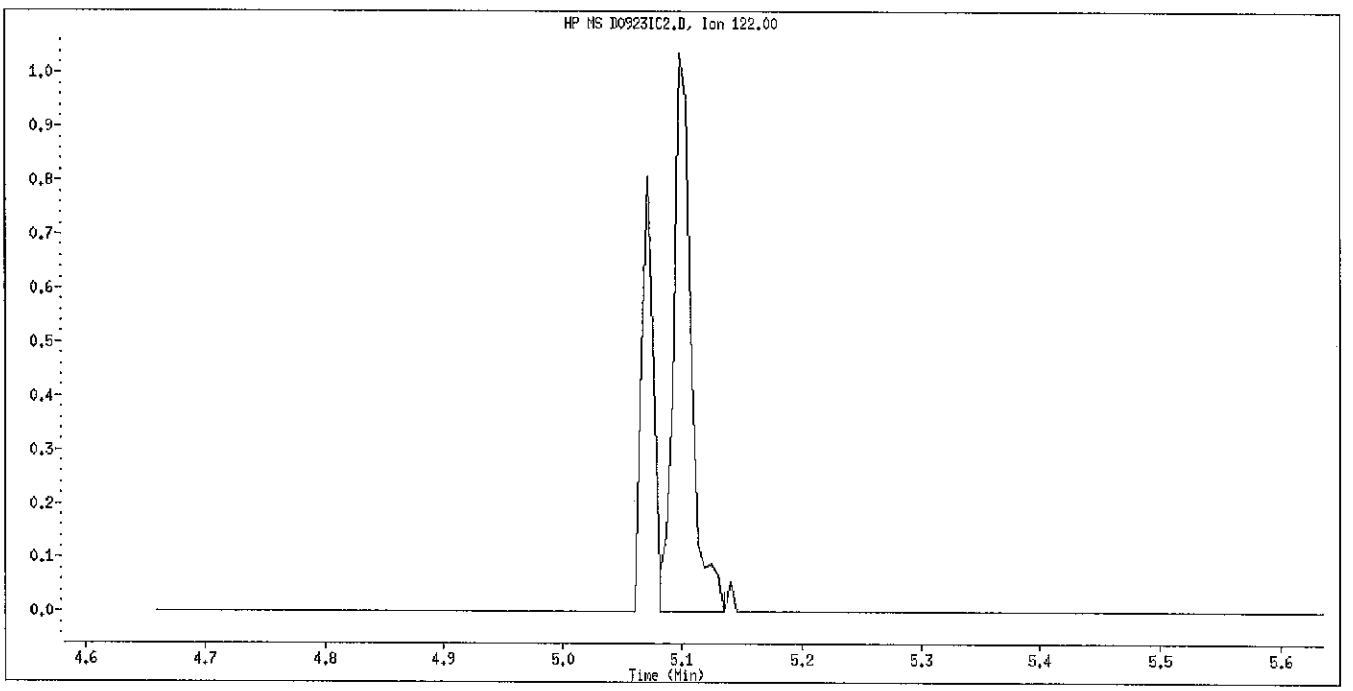
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC2.D
Inj. Date and Time: 23-SEP-2010 18:21
Instrument ID: 732.i
Client ID: sstd.4
Compound Name: Benzoic Acid
CAS #: 65-85-0



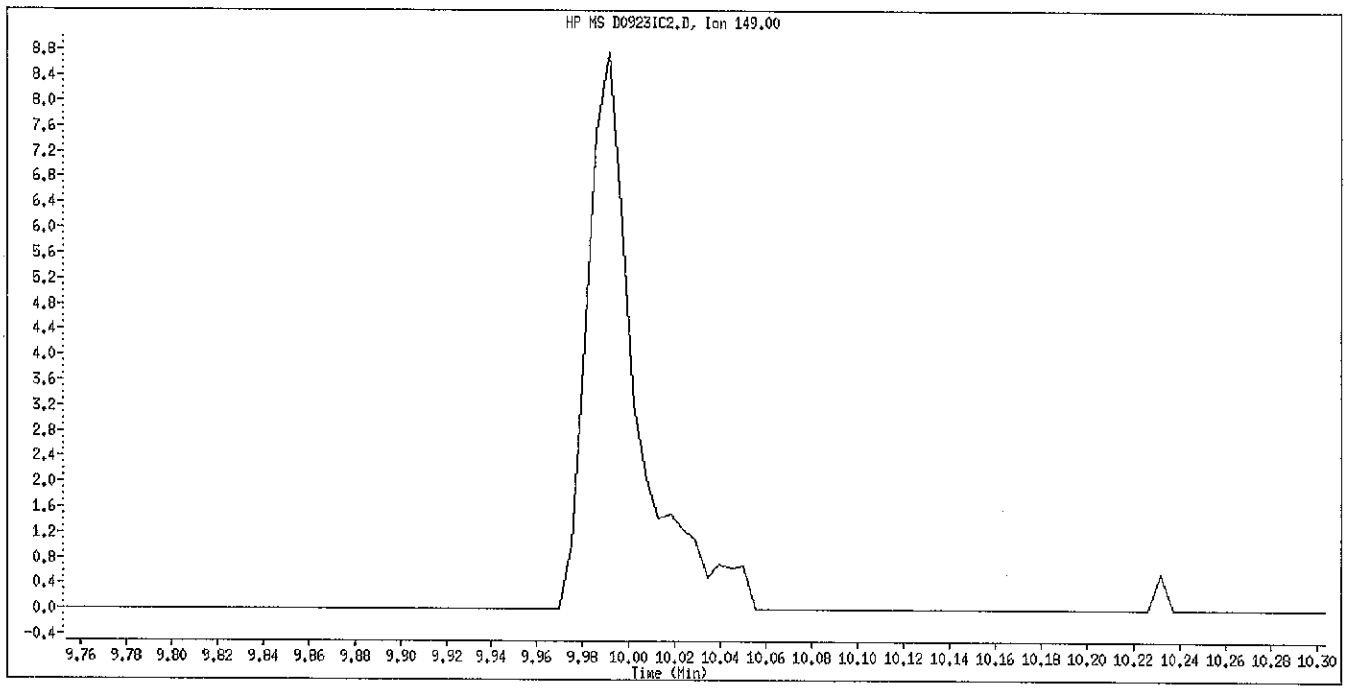
Original Integration



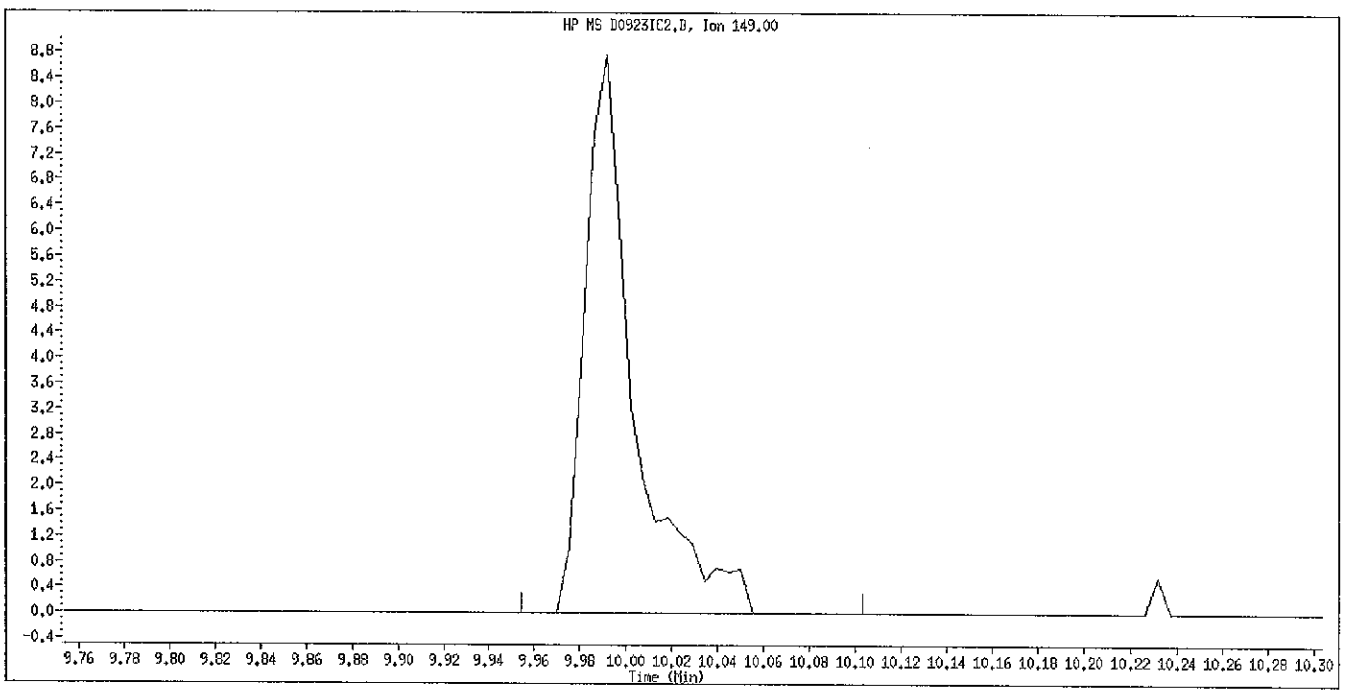
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D0923IC2.D
Inj. Date and Time: 23-SEP-2010 18:21
Instrument ID: 732.i
Client ID: sstd.4
Compound Name: bis(2-ethylhexyl)Phthalate
CAS #: 117-81-7



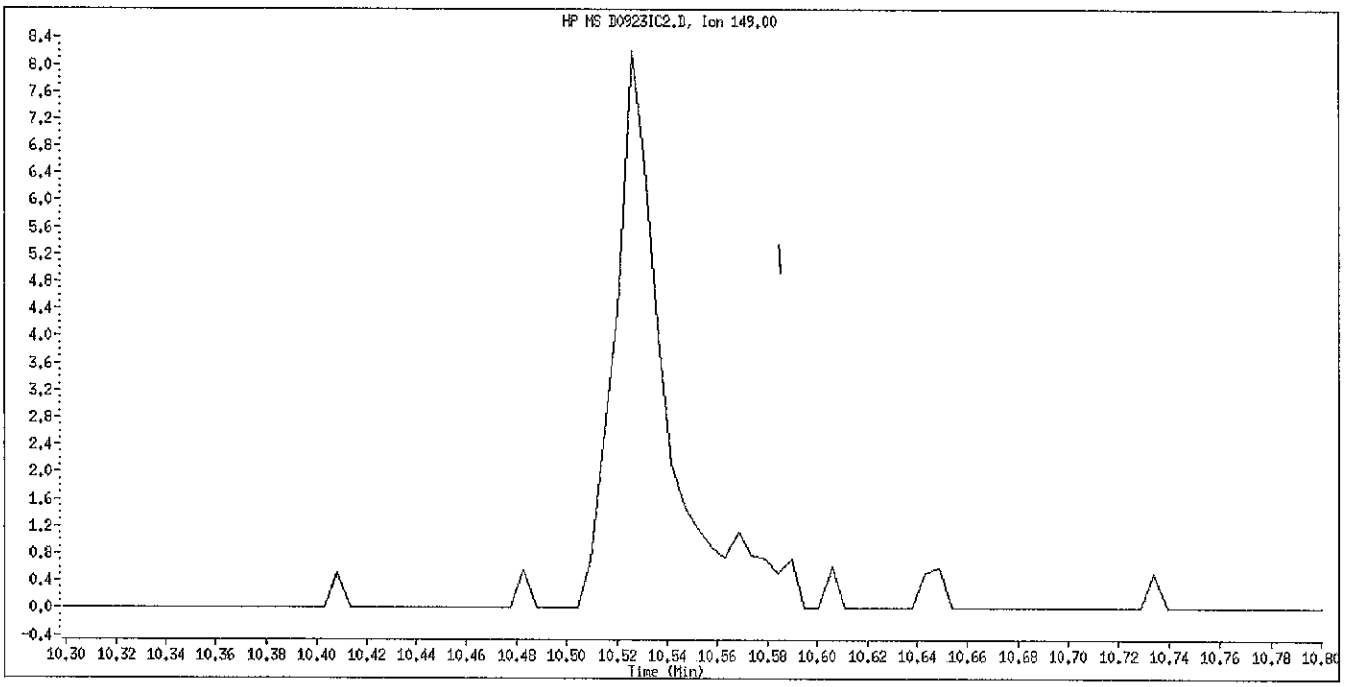
Original Integration



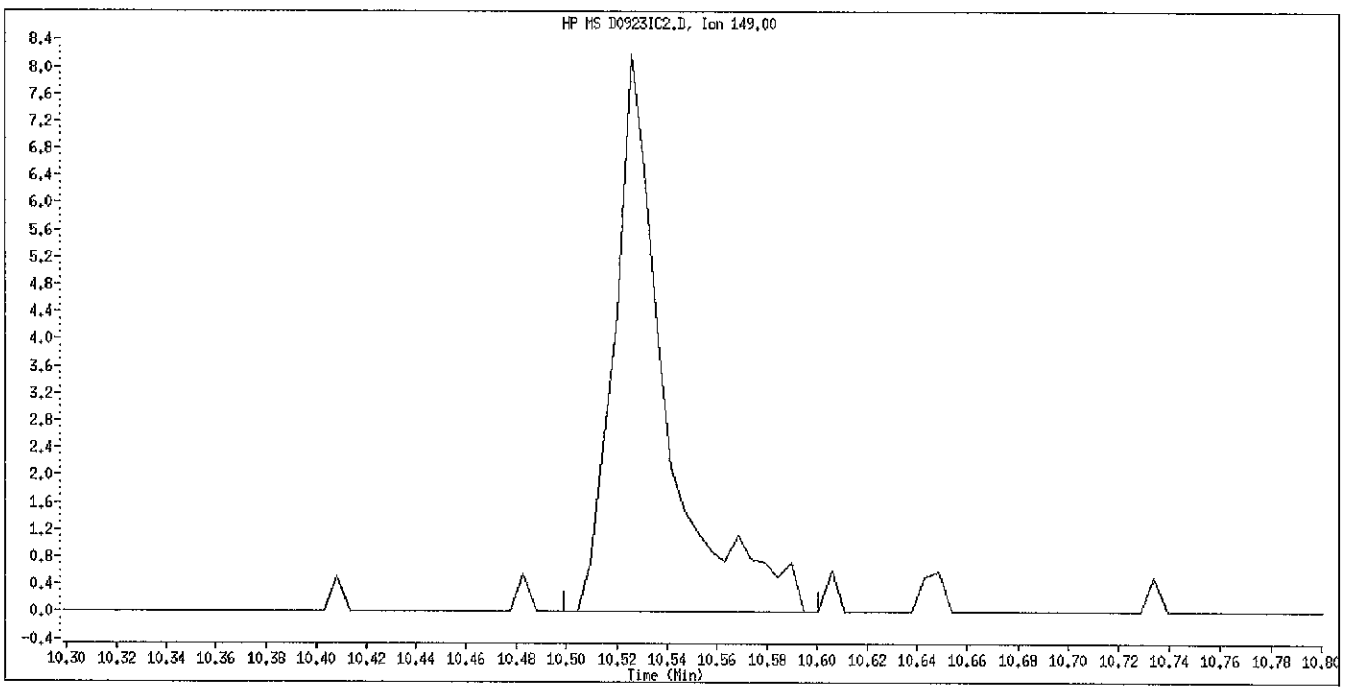
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC2.D
Inj. Date and Time: 23-SEP-2010 18:21
Instrument ID: 732.i
Client ID: sstd.4
Compound Name: Di-n-octylphthalate
CAS #: 117-84-0



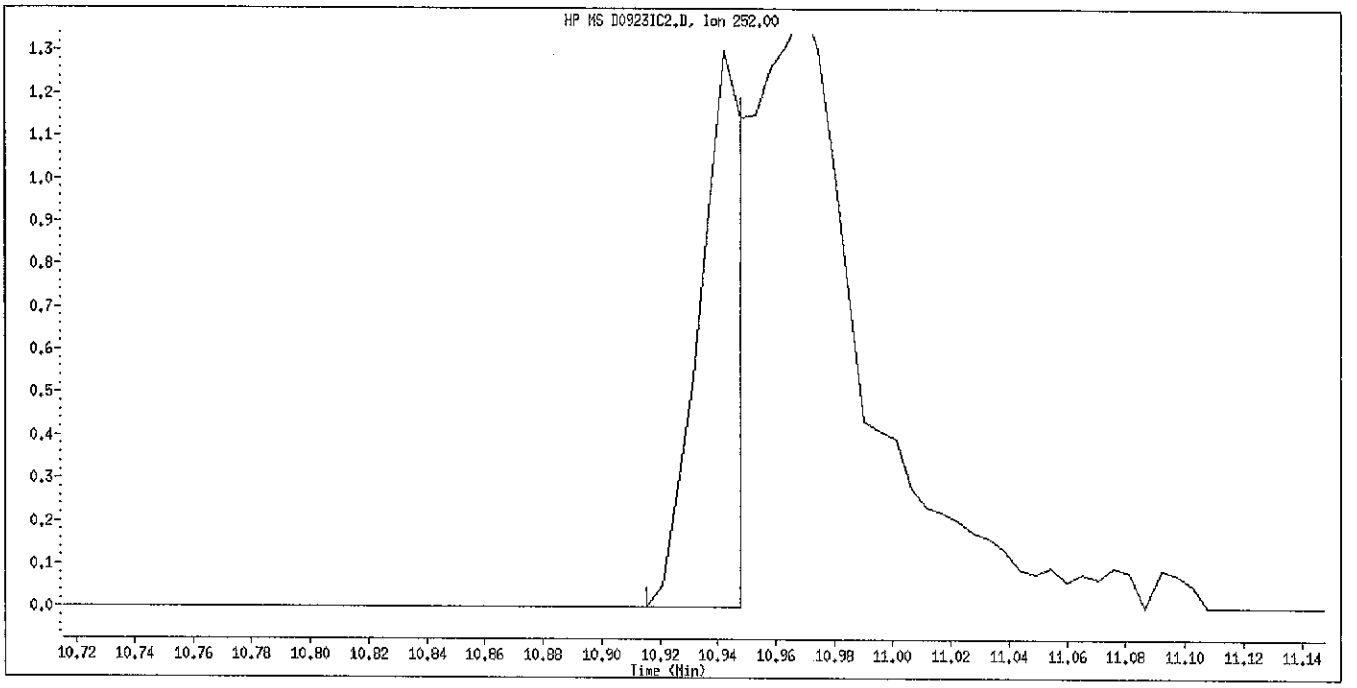
Original Integration



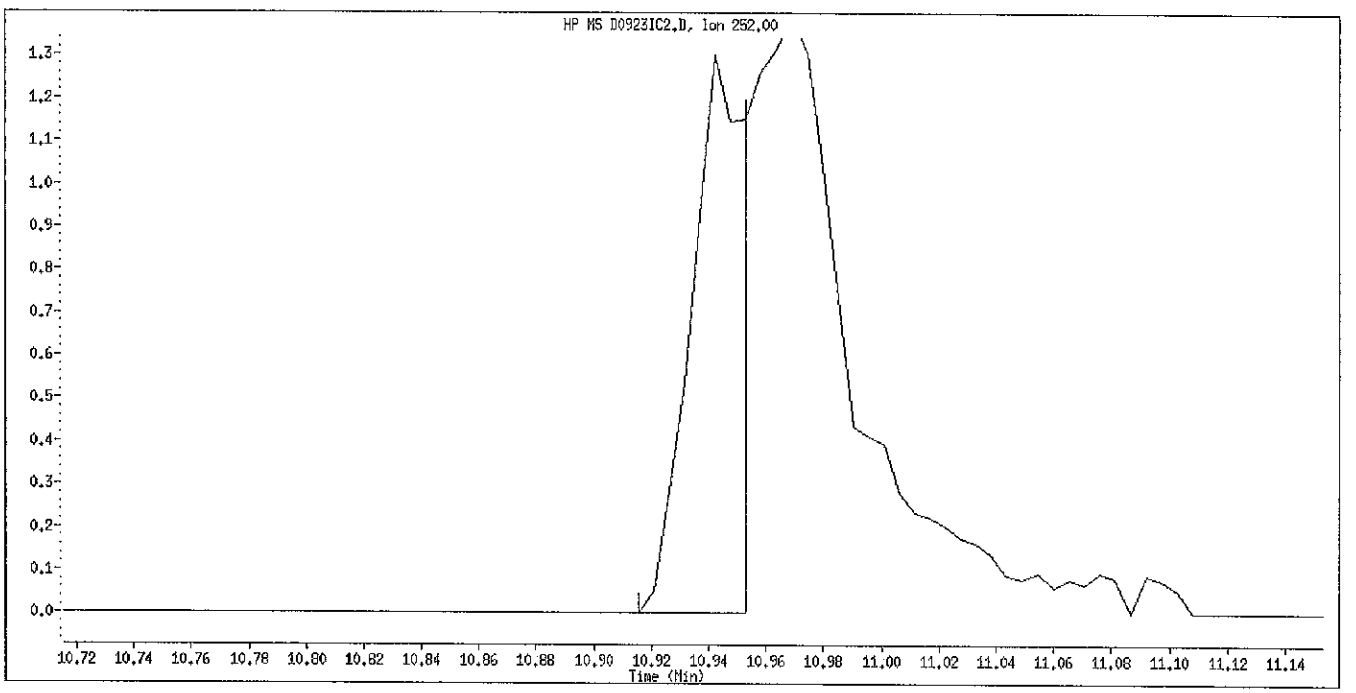
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC2.D
Inj. Date and Time: 23-SEP-2010 18:21
Instrument ID: 732.i
Client ID: sstd.4
Compound Name: Benzo(b)fluoranthene
CAS #: 205-99-2



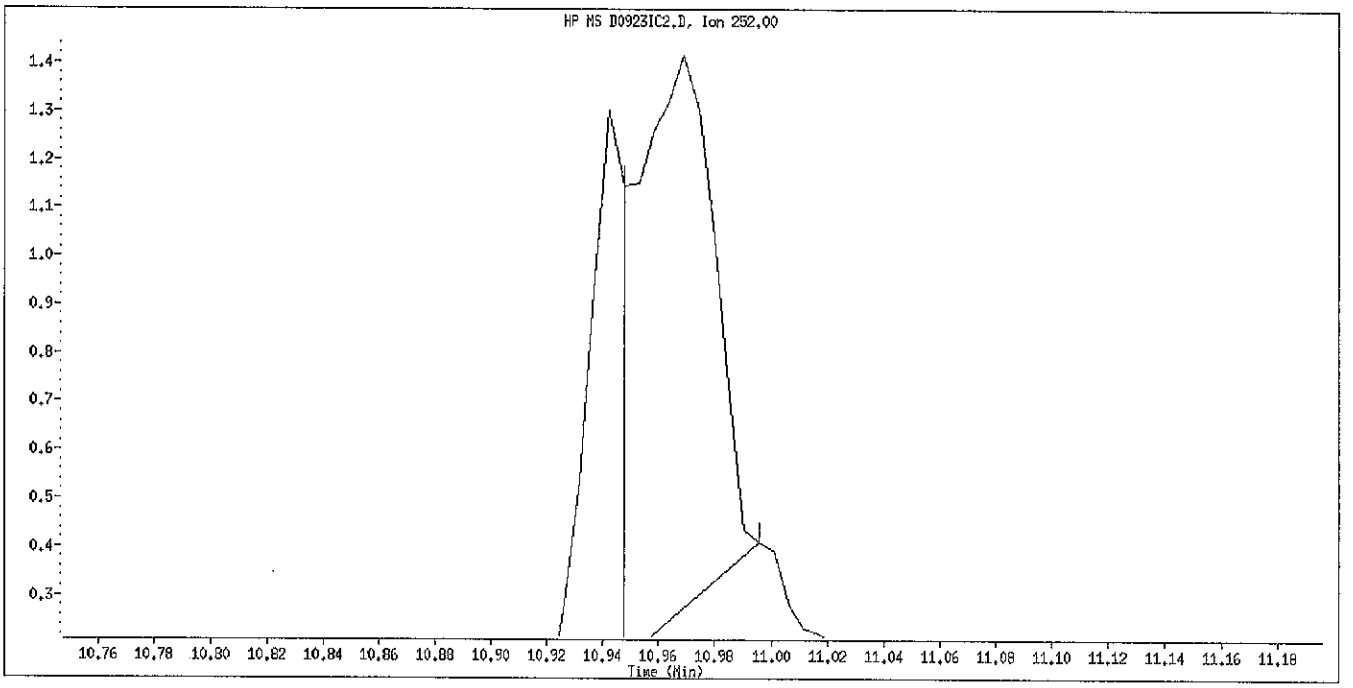
Original Integration



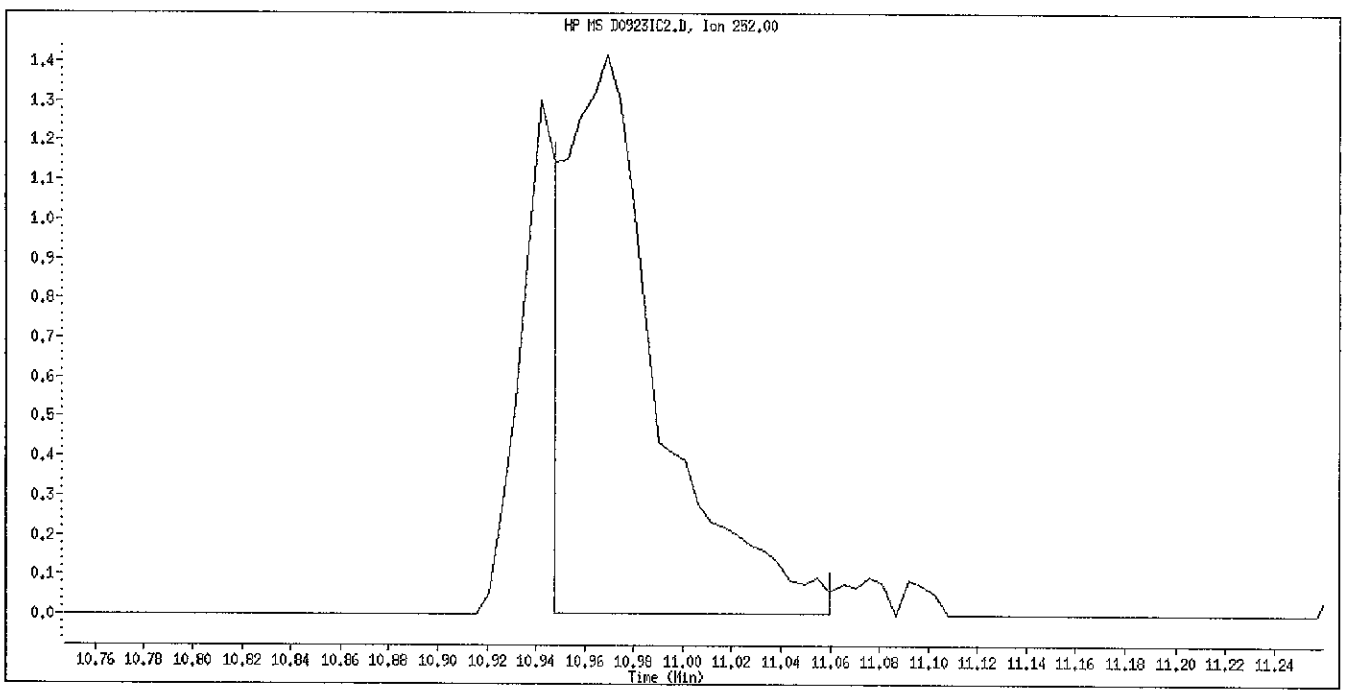
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Unknown

Data File Name: D0923IC2.D
Inj. Date and Time: 23-SEP-2010 18:21
Instrument ID: 732.i
Client ID: sstd.4
Compound Name: Benzo(k)fluoranthene
CAS #: 207-08-9



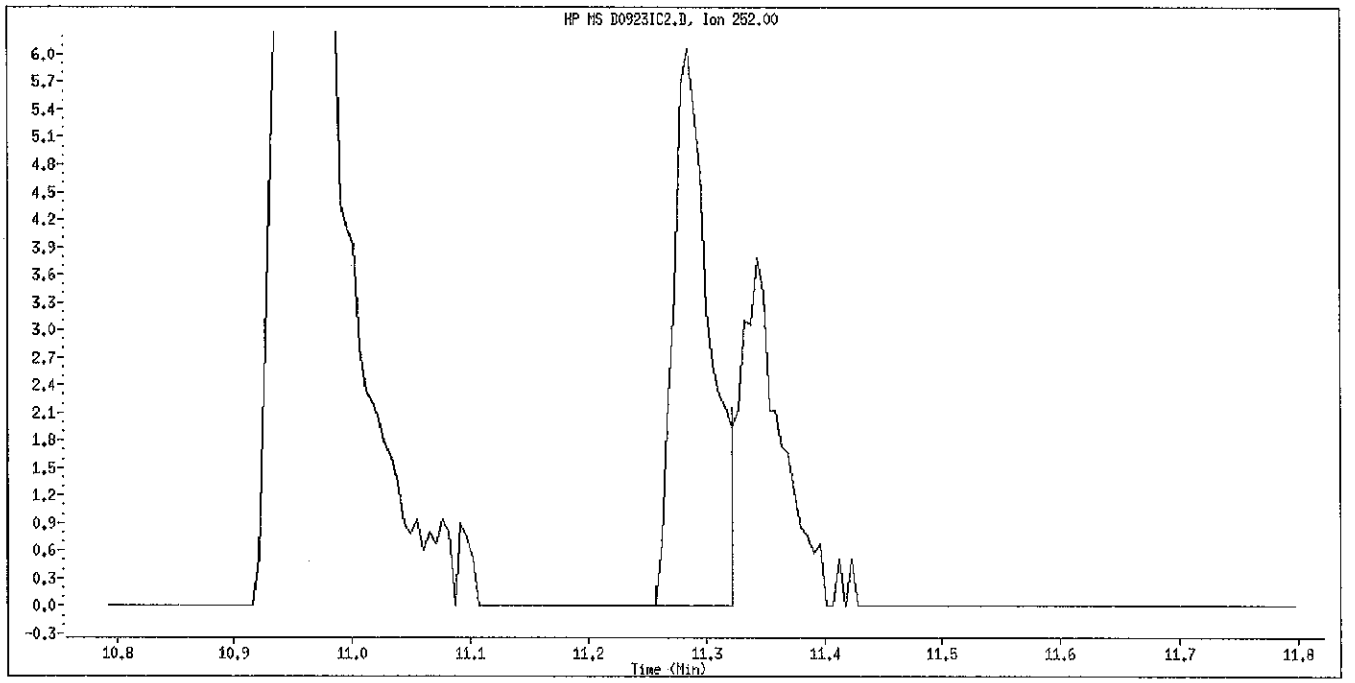
Original Integration



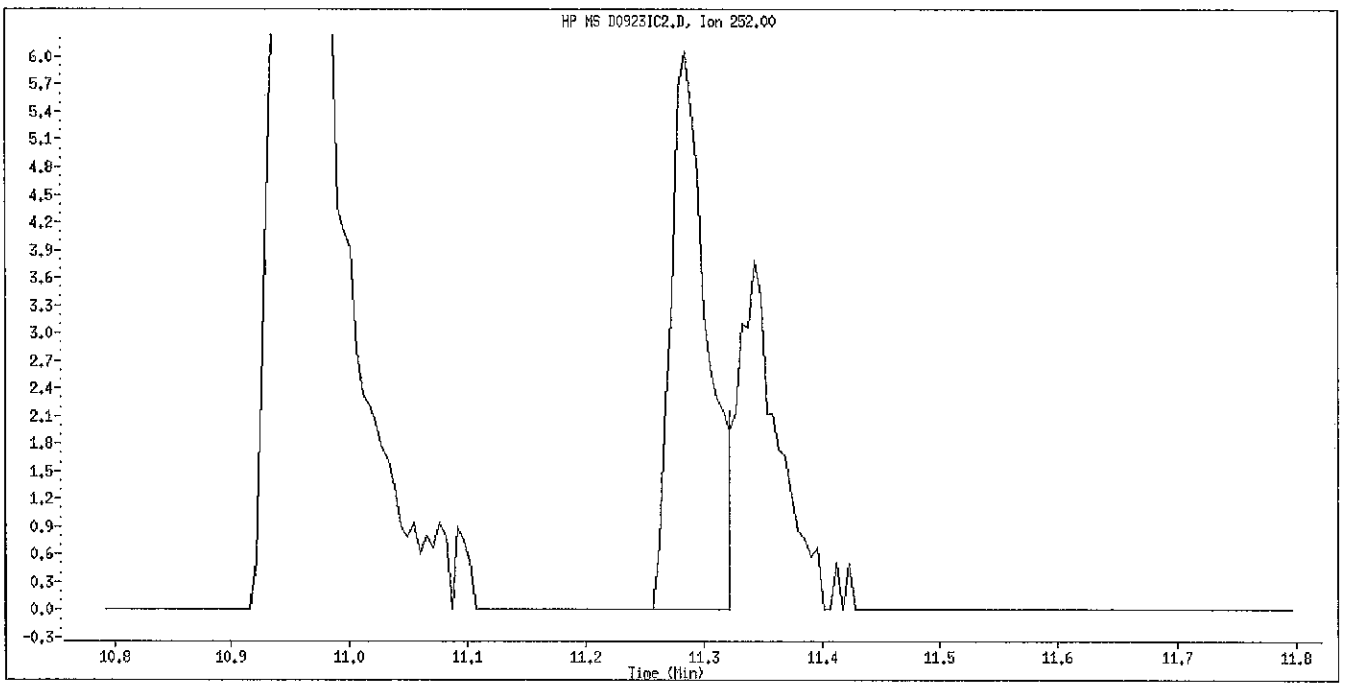
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC2.D
Inj. Date and Time: 23-SEP-2010 18:21
Instrument ID: 732.i
Client ID: sstd.4
Compound Name: Benzo(a)pyrene
CAS #: 50-32-8



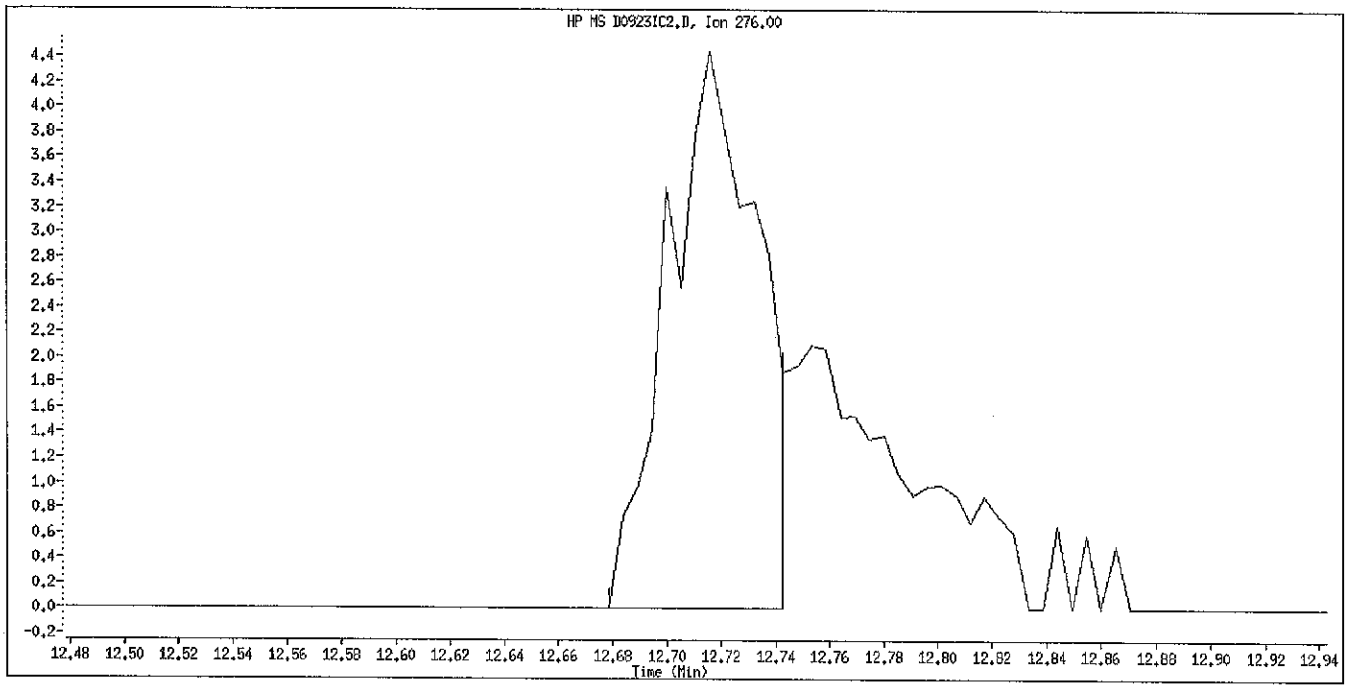
Original Integration



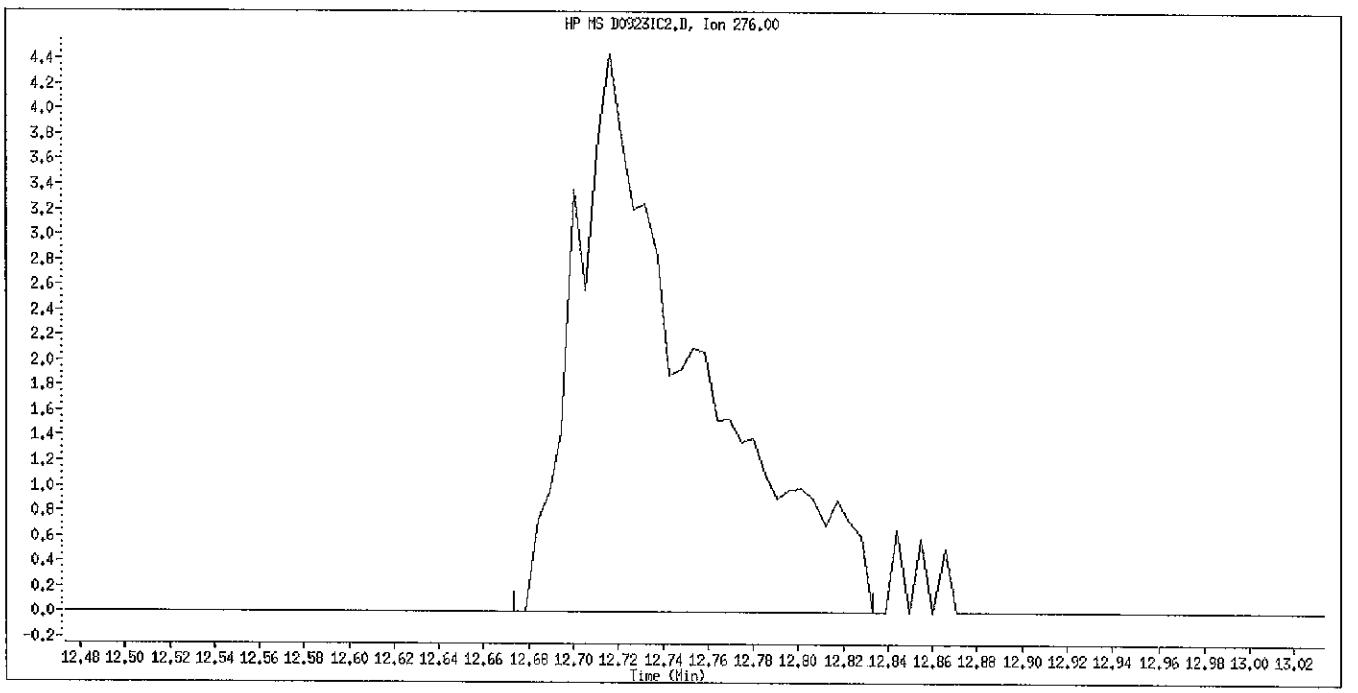
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Unknown

Data File Name: D0923IC2.D
Inj. Date and Time: 23-SEP-2010 18:21
Instrument ID: 732.i
Client ID: sstd.4
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5



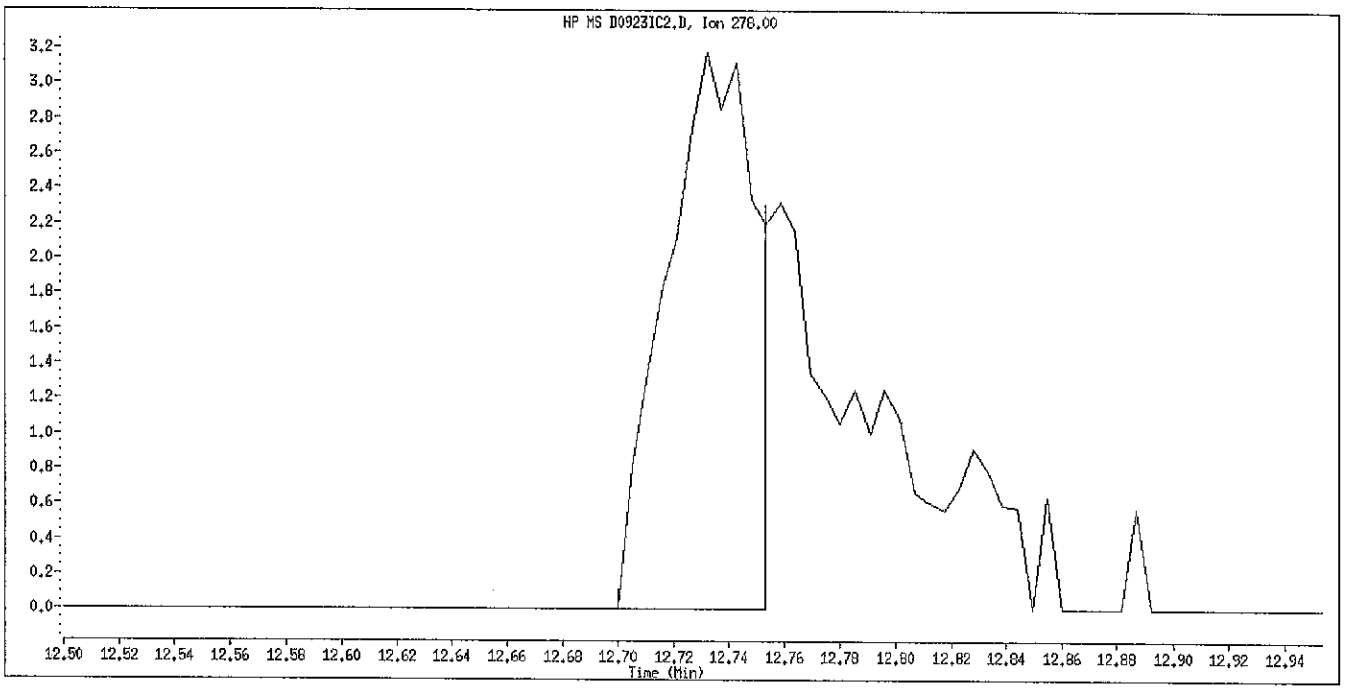
Original Integration



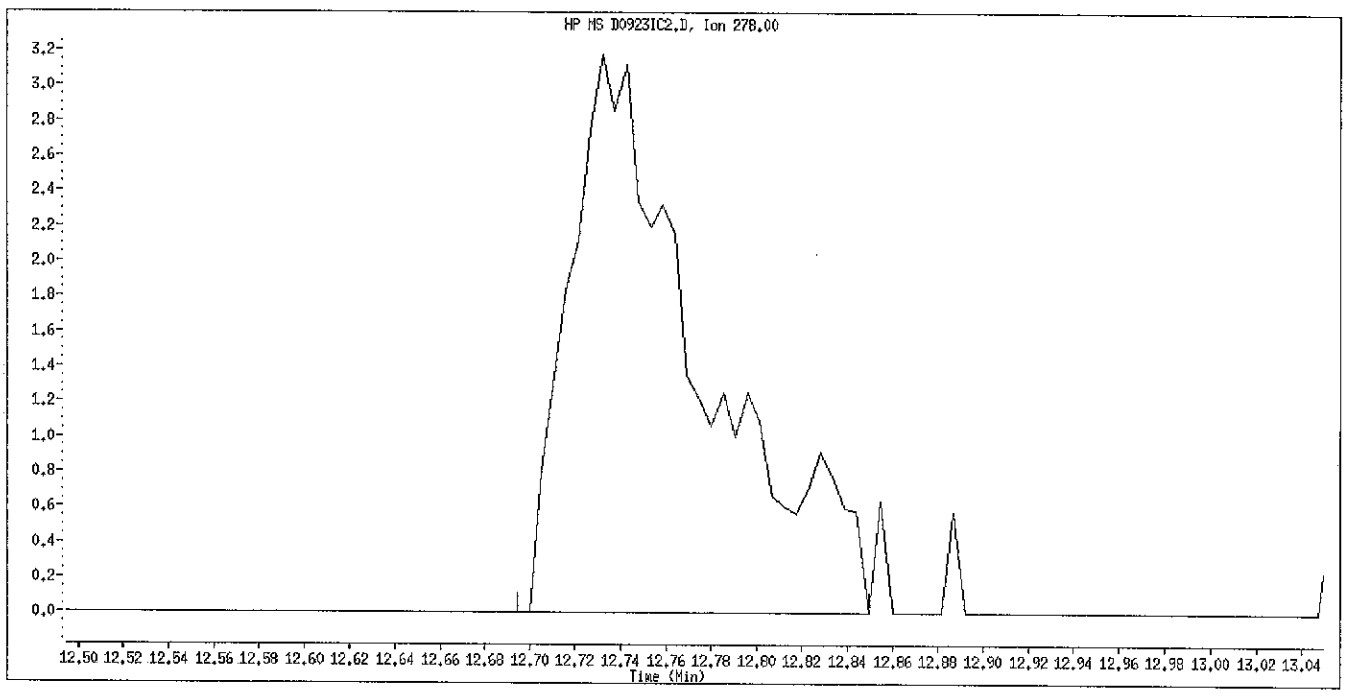
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC2.D
Inj. Date and Time: 23-SEP-2010 18:21
Instrument ID: 732.i
Client ID: sstd.4
Compound Name: Dibenz(a,h)anthracene
CAS #: 53-70-3



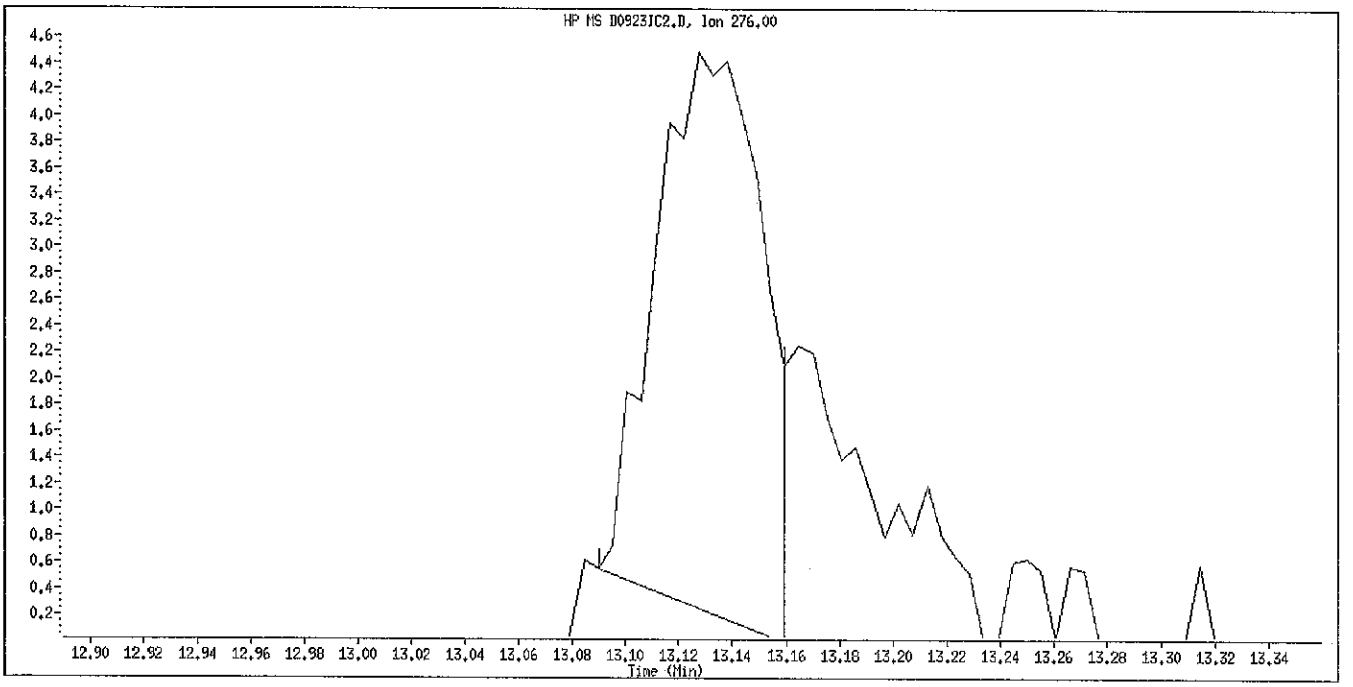
Original Integration



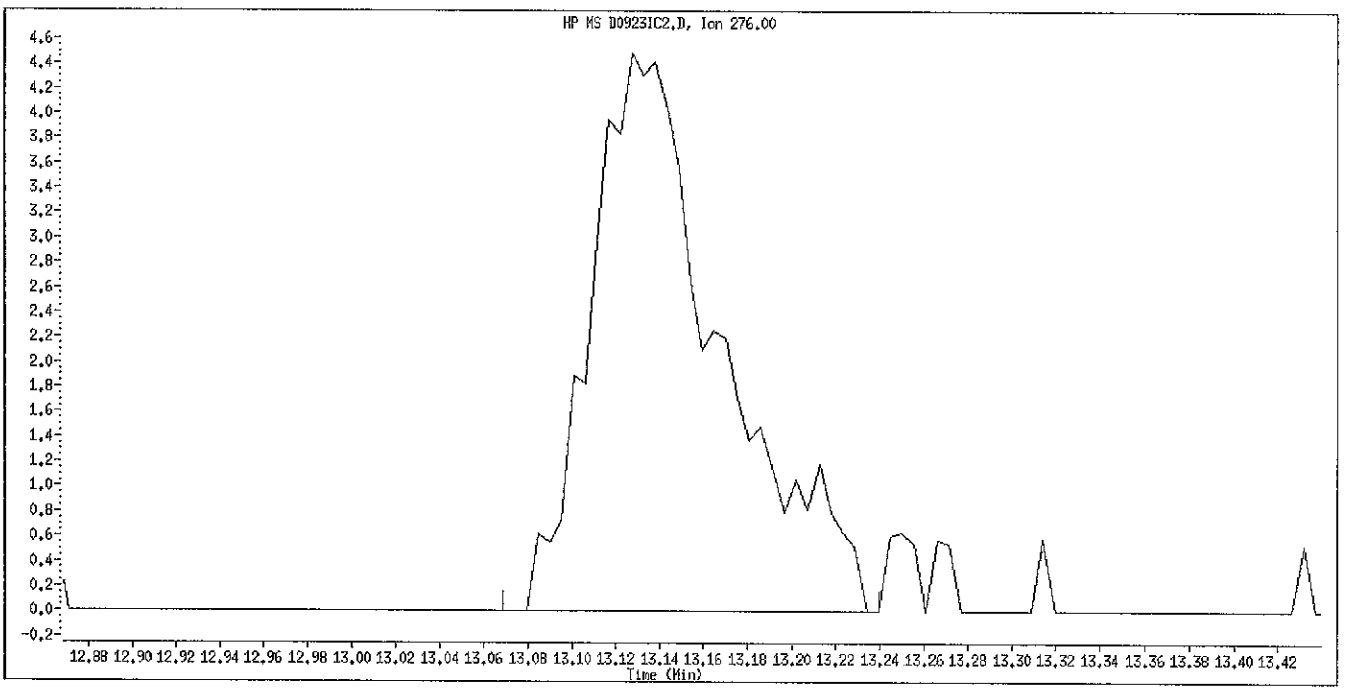
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC2.D
Inj. Date and Time: 23-SEP-2010 18:21
Instrument ID: 732.i
Client ID: sstd.4
Compound Name: Benzo(g,h,i)perylene
CAS #: 191-24-2



Original Integration

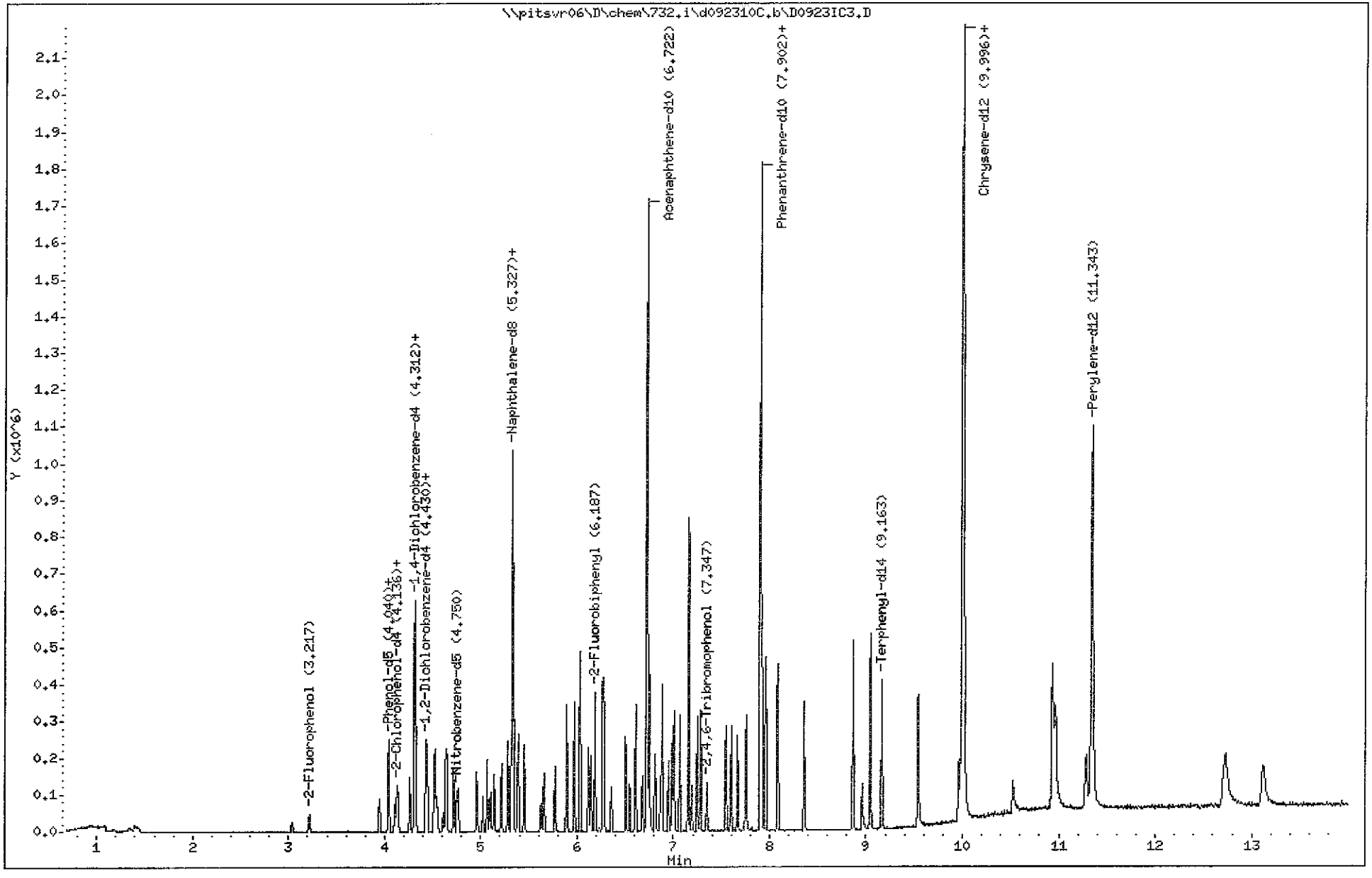


Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File: \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC3.D
Date : 23-SEP-2010 18:40
Client ID: sstd2
Sample Info: SSTD2.0(1.0ug/ml) BNA0661-10

Instrument: 732.i
Operator: 430261nc
Column phase: DB5-MS
Column diameter: 0.32



Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC3.D
Lab Smp Id: sstd2 Client Smp ID: sstd2
Inj Date : 23-SEP-2010 18:40
Operator : 430261nc Inst ID: 732.i
Smp Info : SSTD2.0(1.0ug/ml) BNA0661-10
Misc Info : sstd2,d092310C.b,ll.m,3-root.sub,1,2
Comment :
Method : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Meth Date : 27-Sep-2010 11:57 campisin Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.312	4.312	(1.000)	90411	8.00000	
* 2	Naphthalene-d8	136	5.327	5.327	(1.000)	448906	8.00000	
* 3	Acenaphthene-d10	164	6.721	6.722	(1.000)	345249	8.00000	
* 4	Phenanthrene-d10	188	7.902	7.902	(1.000)	649701	8.00000	
* 5	Chrysene-d12	240	10.001	10.007	(1.000)	673519	8.00000	
* 6	Perylene-d12	264	11.342	11.354	(1.000)	547021	8.00000	
198	1,4-Dioxane	88	0.930	0.925	(0.216)	6661	2.00000	2.3277
10	N-Nitrosodimethylamine	74	1.347	1.331	(0.312)	6400	2.00000	1.8282
9	Pyridine	79	1.400	1.364	(0.325)	12533	2.00000	1.8445(M)
16	Methyl methanesulfonate	80	3.035	3.030	(0.704)	9988	2.00000	1.9883
206	Benzaldehyde	77	3.943	3.944	(0.915)	16764	2.00000	2.0854
21	Aniline	93	4.039	4.045	(0.937)	43005	2.00000	2.2372
22	Phenol	94	4.045	4.051	(0.938)	36637	2.00000	2.1824
23	bis(2-Chloroethyl)ether	93	4.103	4.109	(0.952)	25487	2.00000	2.0411
24	2-Chlorophenol	128	4.136	4.142	(0.959)	30815	2.00000	2.1174
26	1,3-Dichlorobenzene	146	4.264	4.264	(0.989)	37869	2.00000	2.1024
27	1,4-Dichlorobenzene	146	4.323	4.328	(1.002)	39543	2.00000	2.1491
28	1,2-Dichlorobenzene	146	4.445	4.446	(1.031)	39393	2.00000	2.1916
29	Benzyl Alcohol	108	4.429	4.430	(1.027)	19017	2.00000	2.1595
217	Indene	116	4.515	4.521	(1.047)	55220	2.00000	2.1223
30	2-Methylphenol	108	4.526	4.537	(1.050)	30665	2.00000	2.2338
31	2,2'-oxybis(1-Chloropropane)	45	4.542	4.548	(1.053)	39507	2.00000	2.2126
36	N-Nitrosopyrrolidine	100	4.606	4.617	(1.068)	12289	2.00000	1.9058
37	Acetophenone	105	4.632	4.638	(1.074)	44530	2.00000	2.1994
32	N-Nitroso-di-n-propylamine	70	4.643	4.649	(1.077)	20064	2.00000	2.2720
192	4-Methylphenol	108	4.648	4.654	(1.078)	29820	2.00000	2.1939
34	Hexachloroethane	117	4.718	4.718	(1.094)	17835	2.00000	2.1594
35	Nitrobenzene	77	4.766	4.772	(0.895)	30082	2.00000	2.0053
41	Isophorone	82	4.958	4.964	(0.931)	61998	2.00000	2.1598
42	2-Nitrophenol	139	5.022	5.028	(0.943)	15073	2.00000	1.6719
43	2,4-Dimethylphenol	107	5.065	5.071	(0.951)	33570	2.00000	2.0692
44	bis(2-Chloroethoxy)methane	93	5.140	5.146	(0.965)	44535	2.00000	2.1912
48	2,4-Dichlorophenol	162	5.215	5.221	(0.979)	32695	2.00000	2.0374

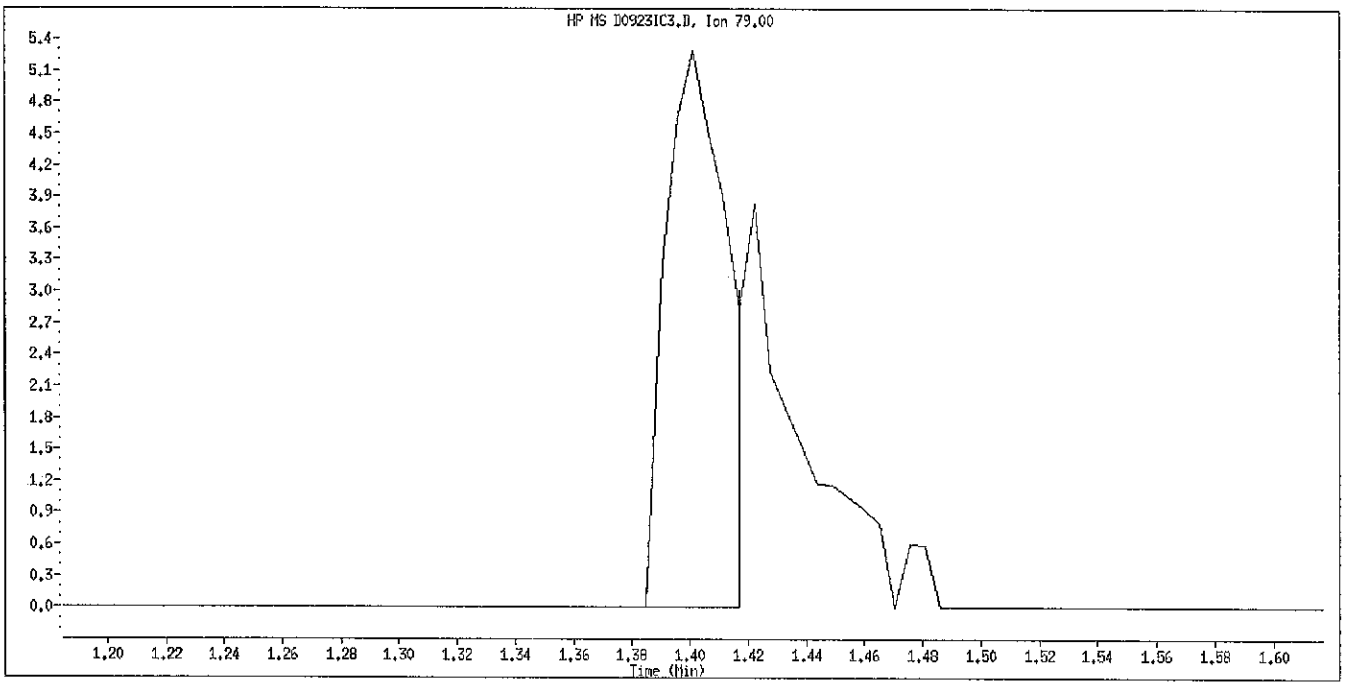
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
49	Benzoic Acid	122	5.102	5.162	(0.958)	24729	4.00000	2.3291 (MH)
50	1,2,4-Trichlorobenzene	180	5.284	5.290	(0.992)	40651	2.00000	2.1325
51	Naphthalene	128	5.343	5.344	(1.003)	124699	2.00000	2.1686
52	4-Chloroaniline	127	5.386	5.392	(1.011)	51599	2.00000	2.1744
54	2,6-Dichlorophenol	162	5.396	5.397	(1.013)	34148	2.00000	2.1099
56	Hexachlorobutadiene	225	5.455	5.456	(1.024)	24268	2.00000	2.1625 (Q)
208	Caprolactam	113	5.626	5.669	(1.056)	8586	2.00000	1.6925
59	4-Chloro-3-Methylphenol	107	5.770	5.782	(1.083)	33007	2.00000	2.0714
62	2-Methylnaphthalene	142	5.893	5.894	(1.106)	88846	2.00000	2.2018
63	1-Methylnaphthalene	142	5.968	5.974	(1.120)	86912	2.00000	2.1621
64	Hexachlorocyclopentadiene	237	6.027	6.033	(0.897)	23391	2.00000	1.8715
65	1,2,4,5-Tetrachlorobenzene	216	6.027	6.033	(0.897)	46963	2.00000	2.2662
66	2,4,6-Trichlorophenol	196	6.118	6.123	(0.910)	26929	2.00000	1.9159
67	2,4,5-Trichlorophenol	196	6.144	6.156	(0.914)	32144	2.00000	2.1449
209	1,1'-Biphenyl	154	6.262	6.268	(0.932)	120112	2.00000	2.2339
70	2-Chloronaphthalene	162	6.278	6.284	(0.934)	94332	2.00000	2.1511
73	2-Nitroaniline	65	6.353	6.359	(0.945)	15897	2.00000	1.6100
76	Dimethylphthalate	163	6.502	6.513	(0.967)	95888	2.00000	2.0884
78	2,6-Dinitrotoluene	165	6.550	6.556	(0.975)	14521	2.00000	1.5197
79	Acenaphthylene	152	6.609	6.610	(0.983)	147961	2.00000	2.0789
81	3-Nitroaniline	138	6.678	6.684	(0.994)	20637	2.00000	1.6691
82	Acenaphthene	153	6.748	6.749	(1.004)	97954	2.00000	2.2028
83	2,4-Dinitrophenol	184	6.764	6.770	(1.006)	7843	4.00000	5.2827 (Q)
85	4-Nitrophenol	109	6.812	6.823	(1.014)	19222	4.00000	3.2807
86	Dibenzofuran	168	6.881	6.887	(1.024)	146433	2.00000	2.1694
87	2,4-Dinitrotoluene	165	6.865	6.877	(1.021)	22439	2.00000	1.6252
91	2,3,5,6-Tetrachlorophenol	232	6.951	6.957	(1.034)	26085	2.00000	2.0099
88	2,3,4,6-Tetrachlorophenol	232	6.983	6.989	(1.039)	27700	2.00000	2.0795
92	2-Naphthylamine	143	7.004	7.010	(1.042)	100503	2.00000	2.2612
93	Diethylphthalate	149	7.063	7.074	(1.051)	104132	2.00000	2.0632
94	Fluorene	166	7.154	7.160	(1.064)	119381	2.00000	2.0139
95	4-Chlorophenyl-phenylether	204	7.154	7.160	(1.064)	56233	2.00000	1.9137
96	4-Nitroaniline	138	7.159	7.176	(1.065)	22588	2.00000	1.9280
98	4,6-Dinitro-2-methylphenol	198	7.191	7.197	(0.910)	17727	4.00000	2.0072
99	N-Nitrosodiphenylamine (1)	169	7.245	7.256	(0.917)	71679	2.00000	1.9832
100	1,2-Diphenylhydrazine	77	7.282	7.288	(0.922)	117885	2.00000	2.0823
106	4-Bromophenyl-phenylether	248	7.544	7.550	(0.955)	32299	2.00000	2.1215
107	Hexachlorobenzene	284	7.603	7.603	(0.962)	37154	2.00000	2.2038
210	Atrazine	200	7.667	7.678	(0.970)	22932	2.00000	1.7900
111	Pentachlorophenol	266	7.752	7.758	(0.981)	34523	4.00000	4.0776 (QM)
115	Phenanthrene	178	7.918	7.924	(1.002)	193421	2.00000	2.1280
116	Anthracene	178	7.961	7.967	(1.007)	184199	2.00000	2.0696
119	Carbazole	167	8.083	8.089	(1.023)	168400	2.00000	1.9997 (Q)
120	Di-n-Butylphthalate	149	8.356	8.362	(1.057)	176207	2.00000	1.7198
123	Fluoranthene	202	8.863	8.869	(1.122)	183355	2.00000	1.9239
124	Benzidine	184	8.960	8.966	(0.896)	58138	2.00000	1.3119
125	Pyrene	202	9.045	9.051	(0.904)	207206	2.00000	2.0292
131	Butylbenzylphthalate	149	9.542	9.543	(0.954)	76181	2.00000	1.6736
135	3,3'-Dichlorobenzidine	252	9.964	9.970	(0.996)	43448	2.00000	2.1549
136	Benzo(a)Anthracene	228	9.991	9.997	(0.999)	168777	2.00000	1.9252
137	Chrysene	228	10.023	10.029	(1.002)	184459	2.00000	1.9148
139	bis(2-ethylhexyl)Phthalate	149	9.991	9.991	(0.999)	94397	2.00000	1.6022
140	Di-n-octylphthalate	149	10.530	10.536	(0.928)	96968	2.00000	2.7289 (M)
141	Benzo(b)fluoranthene	252	10.942	10.958	(0.965)	125024	2.00000	1.5375 (Q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
142 Benzo(k)fluoranthene	252	10.968	10.980	(0.967)	191504	2.00000	2.1467(H)
143 7,12-dimethylbenz[a]anthracen	256	10.931	10.942	(0.964)	63297	2.00000	1.9018
146 Benzo(a)pyrene	252	11.283	11.295	(0.995)	93179	2.00000	2.0635
149 Indeno(1,2,3-cd)pyrene	276	12.715	12.737	(1.121)	123792	2.00000	2.2362(QMH)
150 Dibenz(a,h)anthracene	278	12.731	12.759	(1.122)	101638	2.00000	2.3241(QM)
151 Benzo(g,h,i)perylene	276	13.127	13.154	(1.157)	116704	2.00000	1.7923(QM)
$ 154 Nitrobenzene-d5	82	4.750	4.756	(0.892)	29611	2.00000	1.9307
$ 155 2-Fluorobiphenyl	172	6.187	6.193	(0.921)	100231	2.00000	2.1720
$ 156 Terphenyl-d14	244	9.163	9.163	(0.916)	118602	2.00000	1.9664
$ 157 Phenol-d5	99	4.034	4.040	(0.936)	30409	2.00000	2.0980
$ 158 2-Fluorophenol	112	3.217	3.217	(0.746)	18762	2.00000	1.9133
$ 159 2,4,6-Tribromophenol	330	7.346	7.352	(0.930)	13291	2.00000	1.9404
$ 186 2-Chlorophenol-d4	132	4.125	4.131	(0.957)	29303	2.00000	2.0896
$ 187 1,2-Dichlorobenzene-d4	152	4.435	4.435	(1.028)	24360	2.00000	2.2324

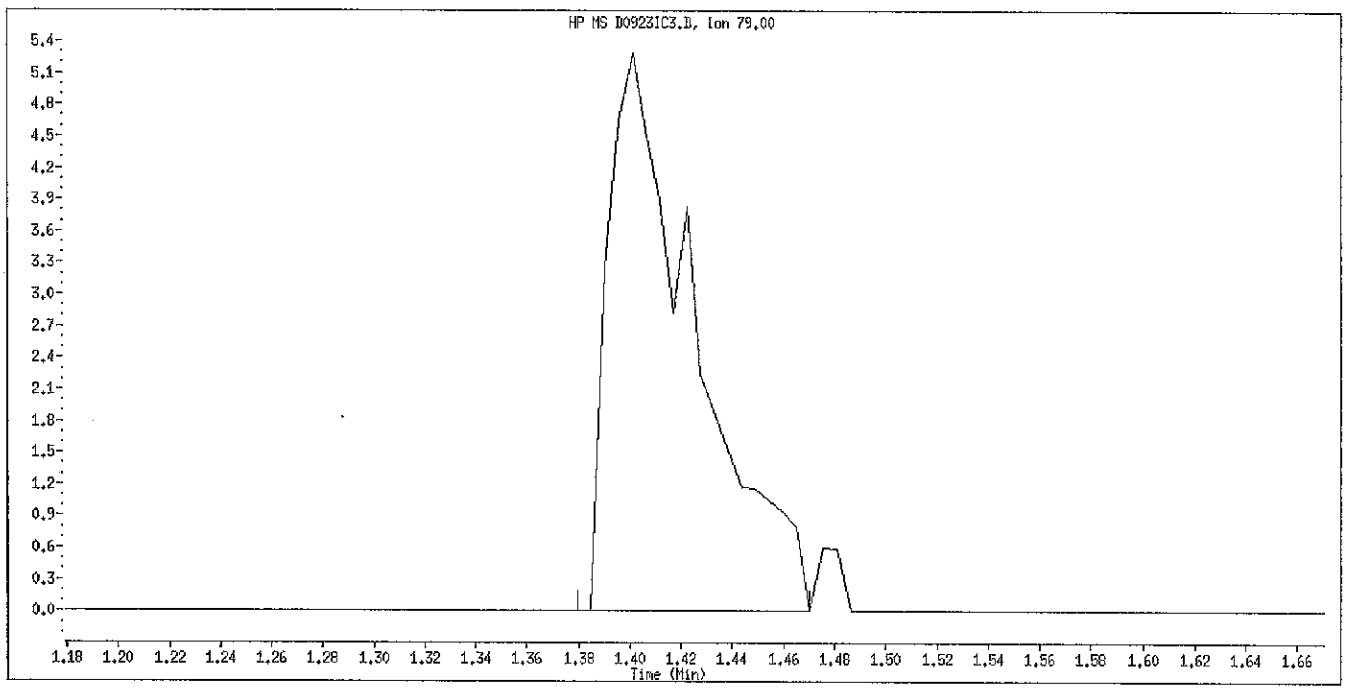
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: D0923IC3.D
Inj. Date and Time: 23-SEP-2010 18:40
Instrument ID: 732.i
Client ID: sstd2
Compound Name: Pyridine
CAS #: 110-86-1



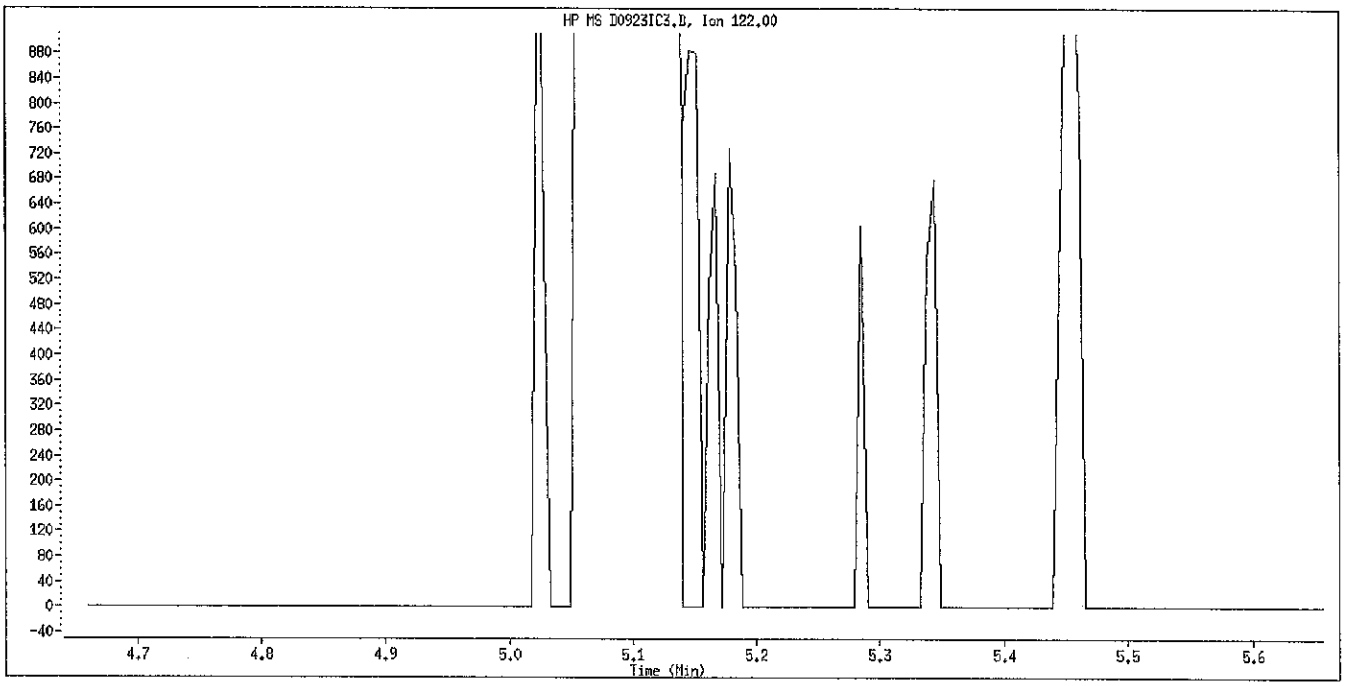
Original Integration



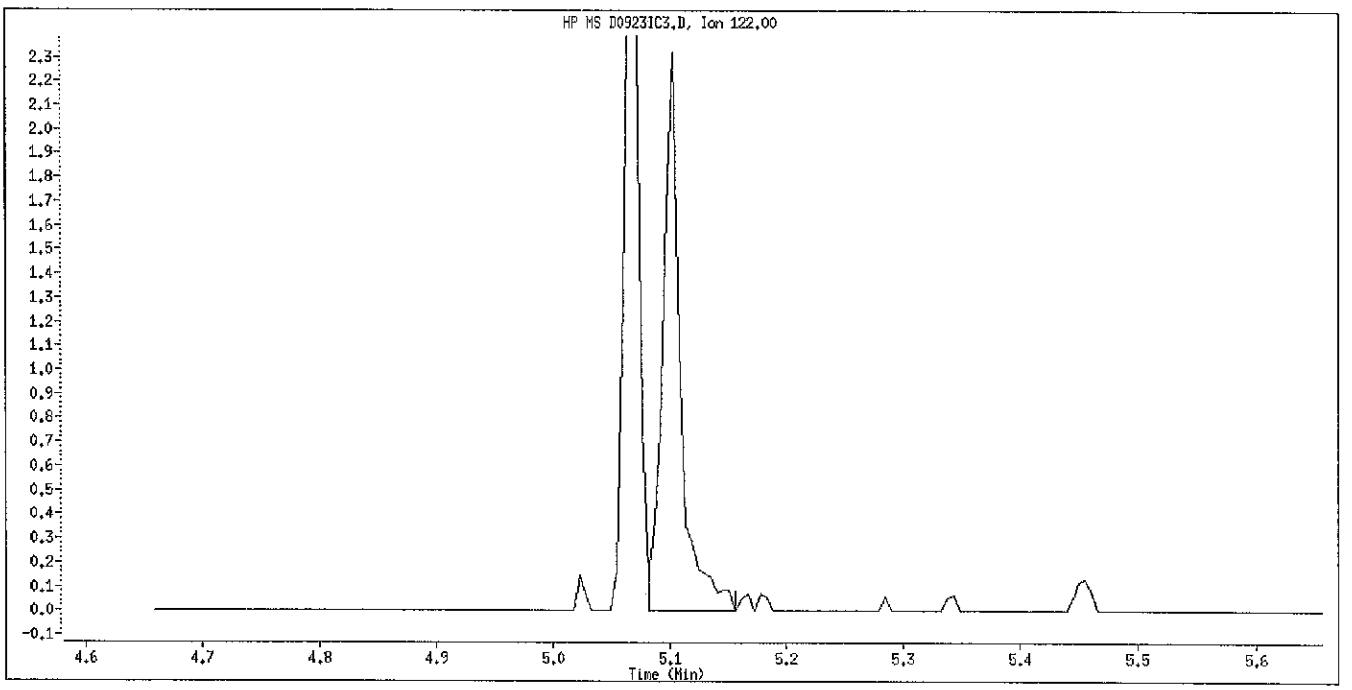
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC3.D
Inj. Date and Time: 23-SEP-2010 18:40
Instrument ID: 732.i
Client ID: sstd2
Compound Name: Benzoic Acid
CAS #: 65-85-0



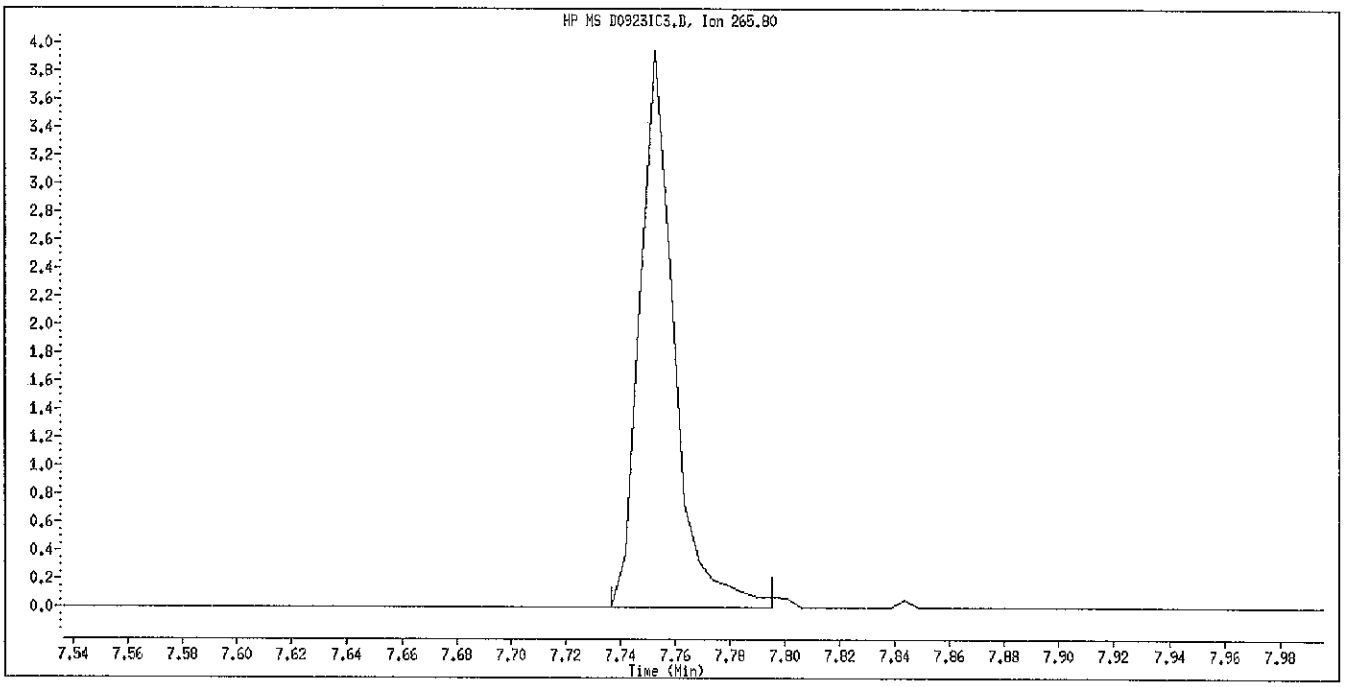
Original Integration



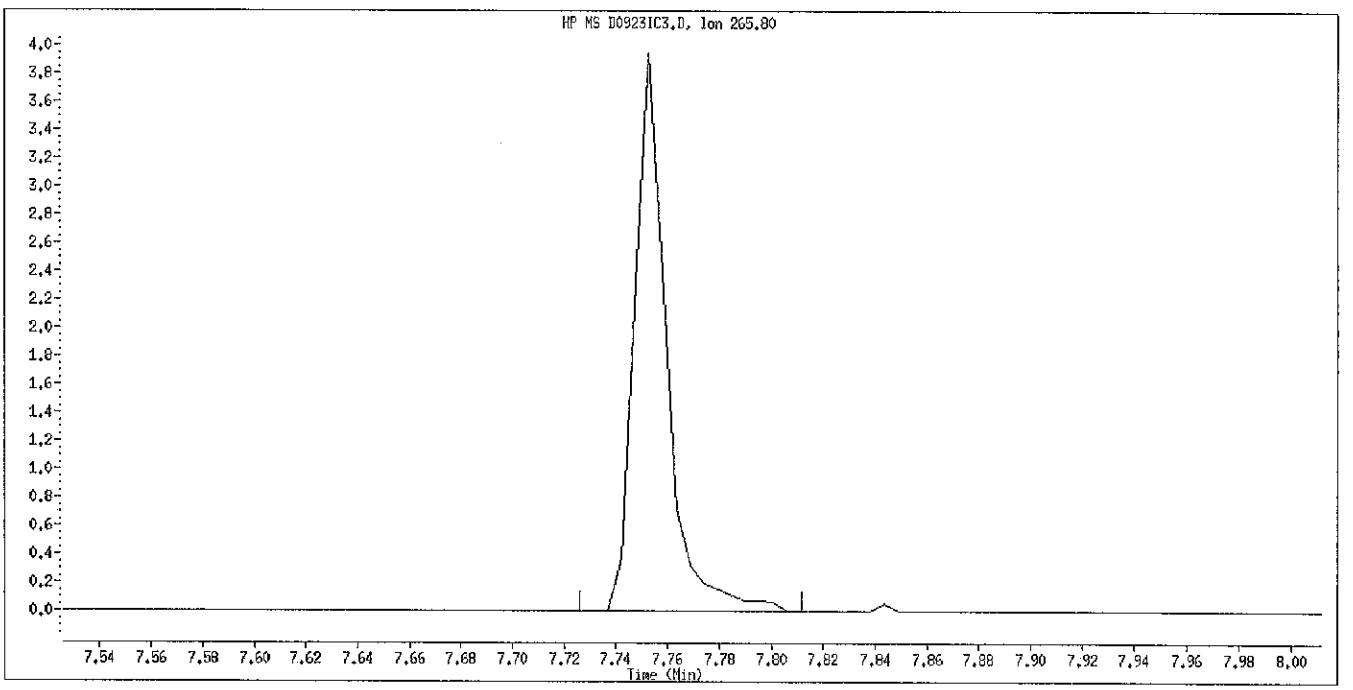
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D0923IC3.D
Inj. Date and Time: 23-SEP-2010 18:40
Instrument ID: 732.i
Client ID: sstd2
Compound Name: Pentachlorophenol
CAS #: 87-86-5



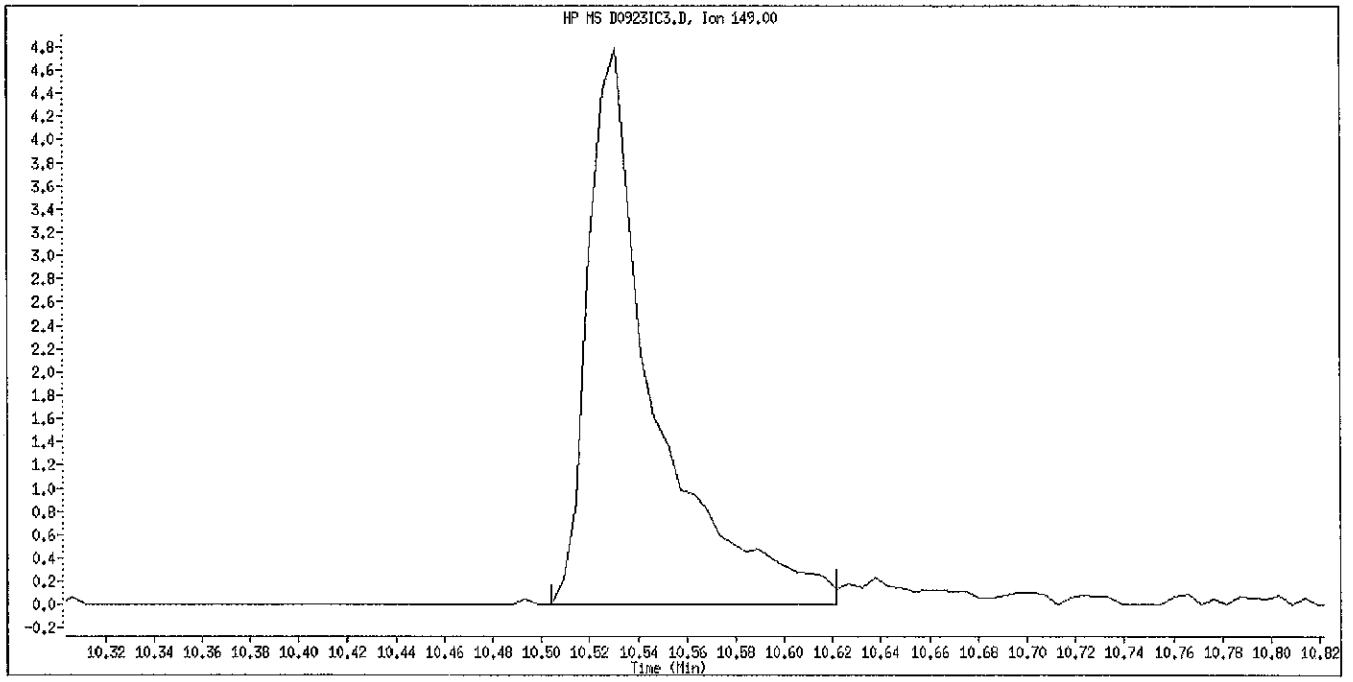
Original Integration



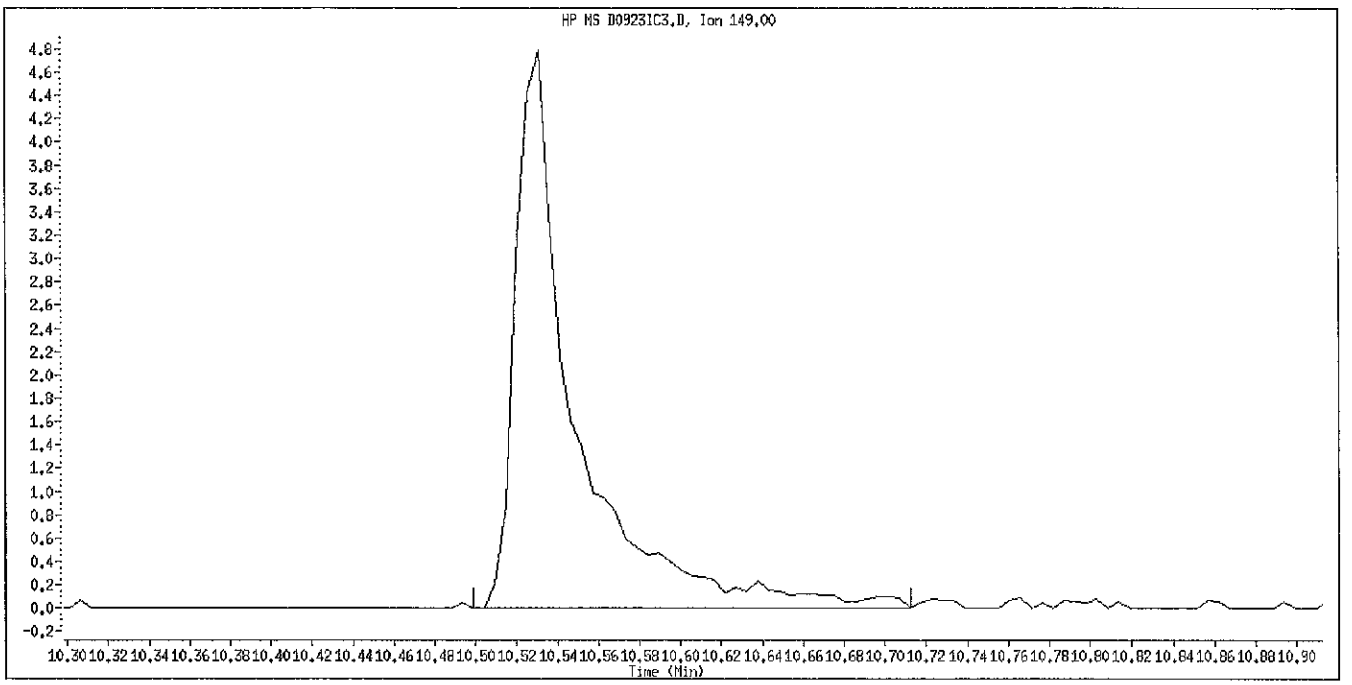
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D0923IC3.D
Inj. Date and Time: 23-SEP-2010 18:40
Instrument ID: 732.i
Client ID: sstd2
Compound Name: Di-n-octylphthalate
CAS #: 117-84-0



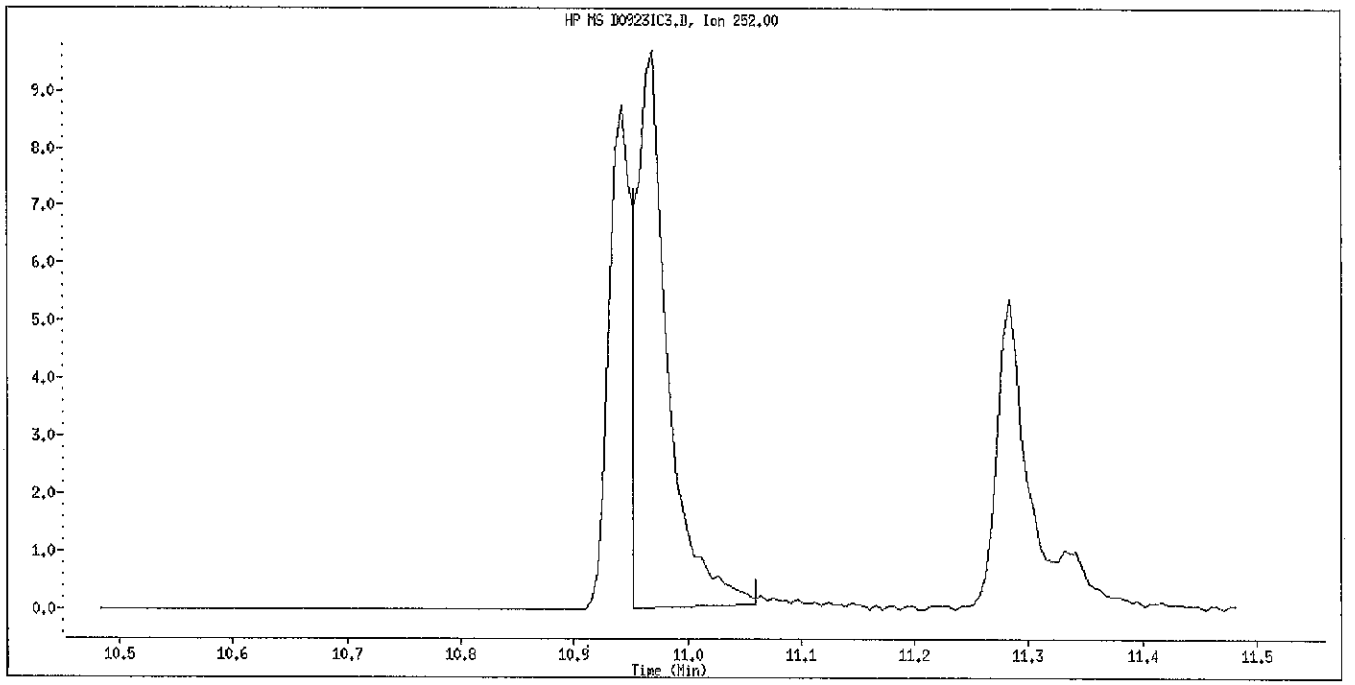
Original Integration



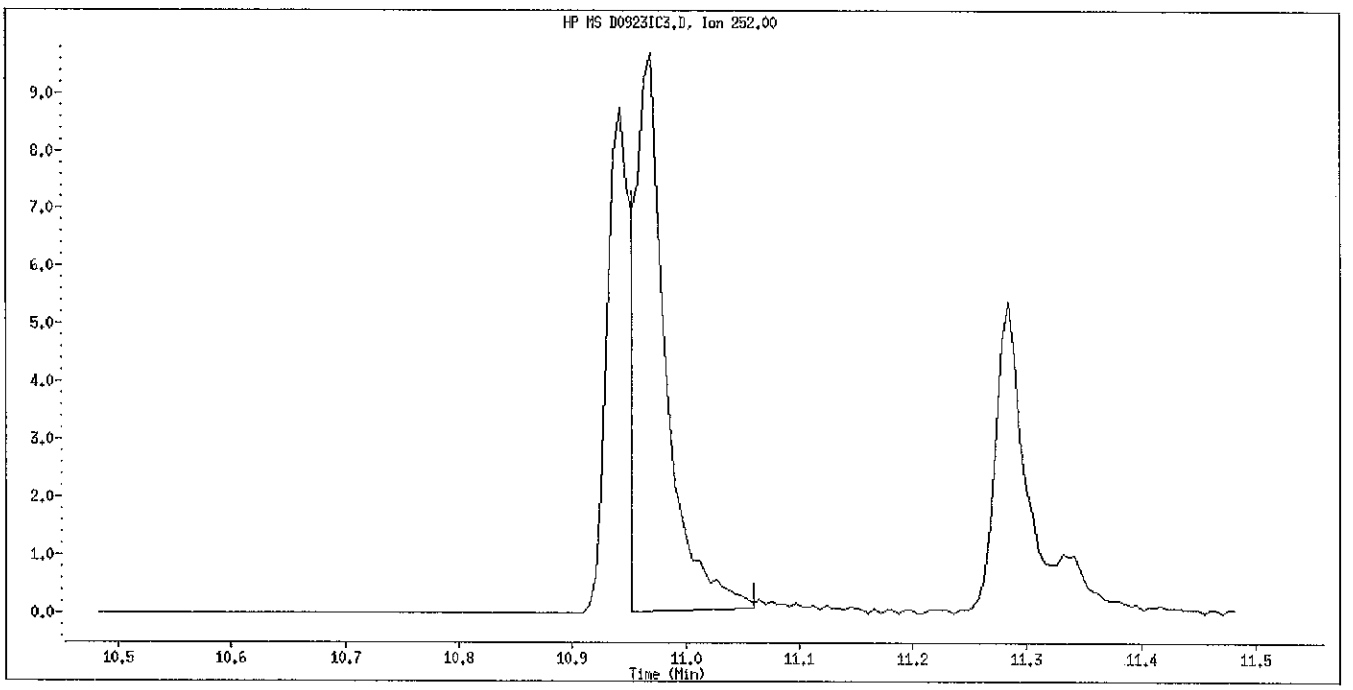
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D0923IC3.D
Inj. Date and Time: 23-SEP-2010 18:40
Instrument ID: 732.i
Client ID: sstd2
Compound Name: Benzo(k)fluoranthene
CAS #: 207-08-9



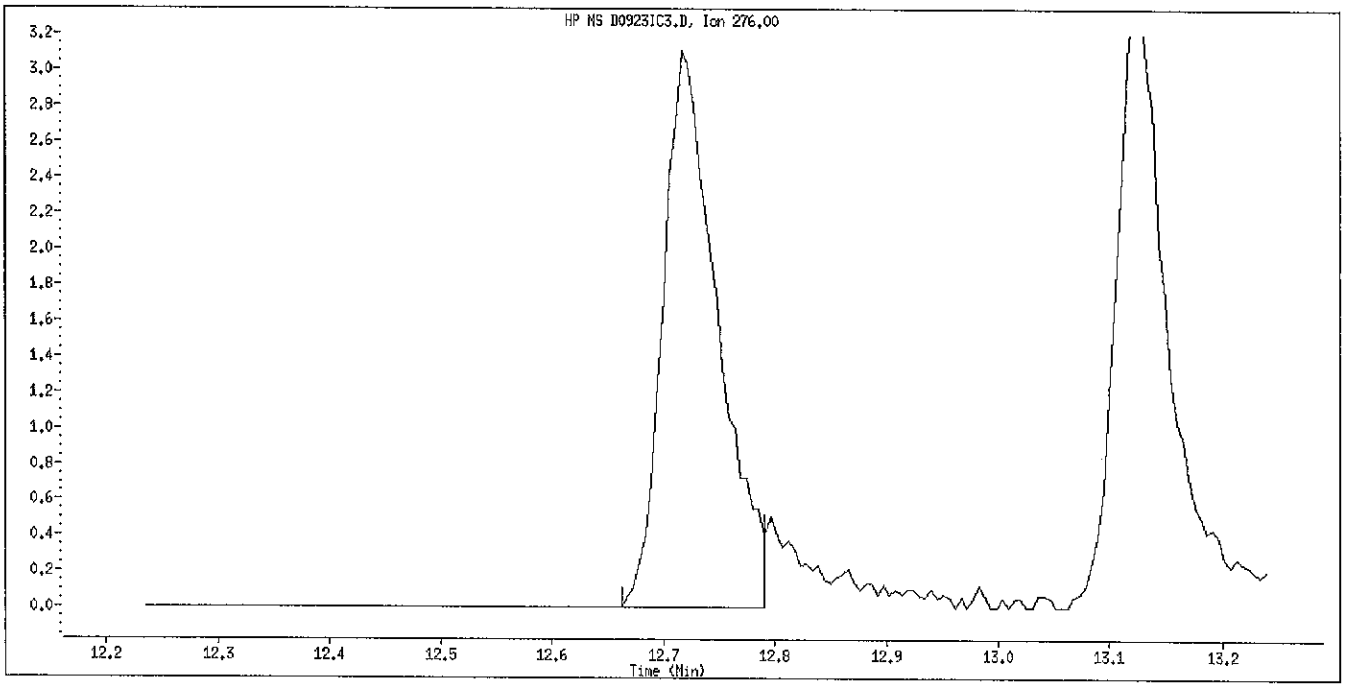
Original Integration



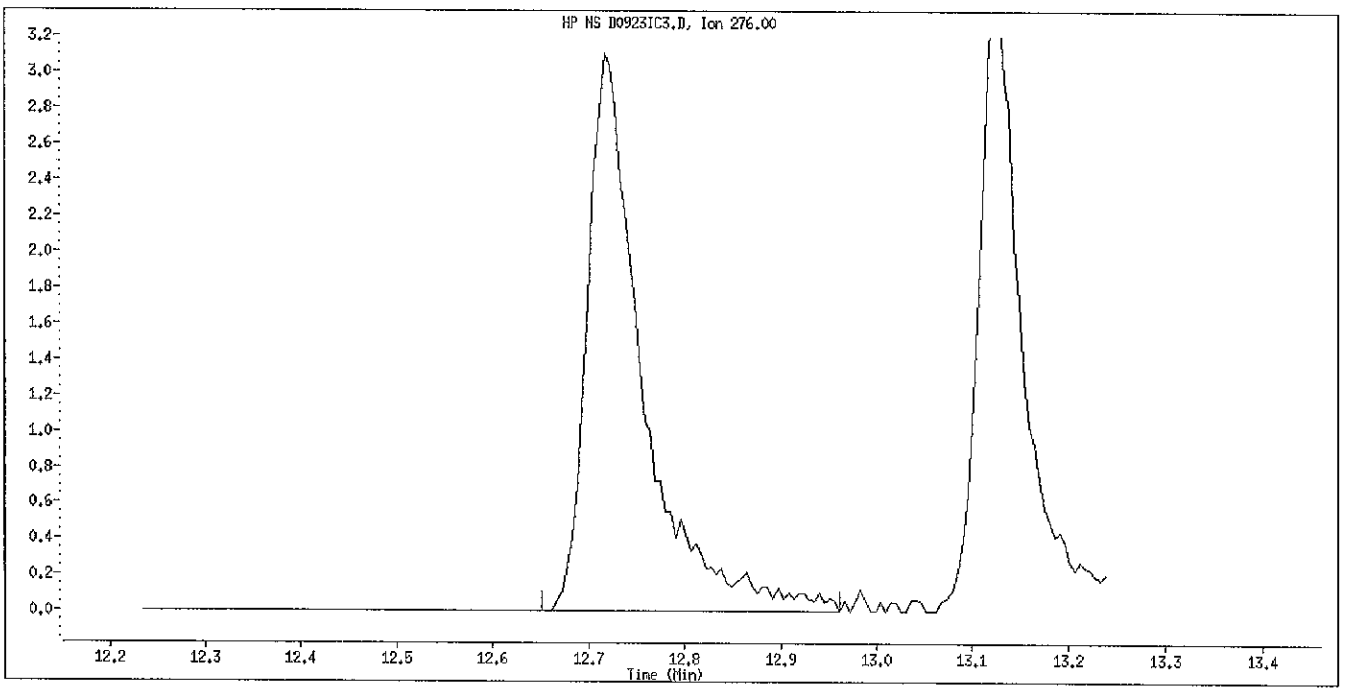
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC3.D
Inj. Date and Time: 23-SEP-2010 18:40
Instrument ID: 732.i
Client ID: sstd2
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5



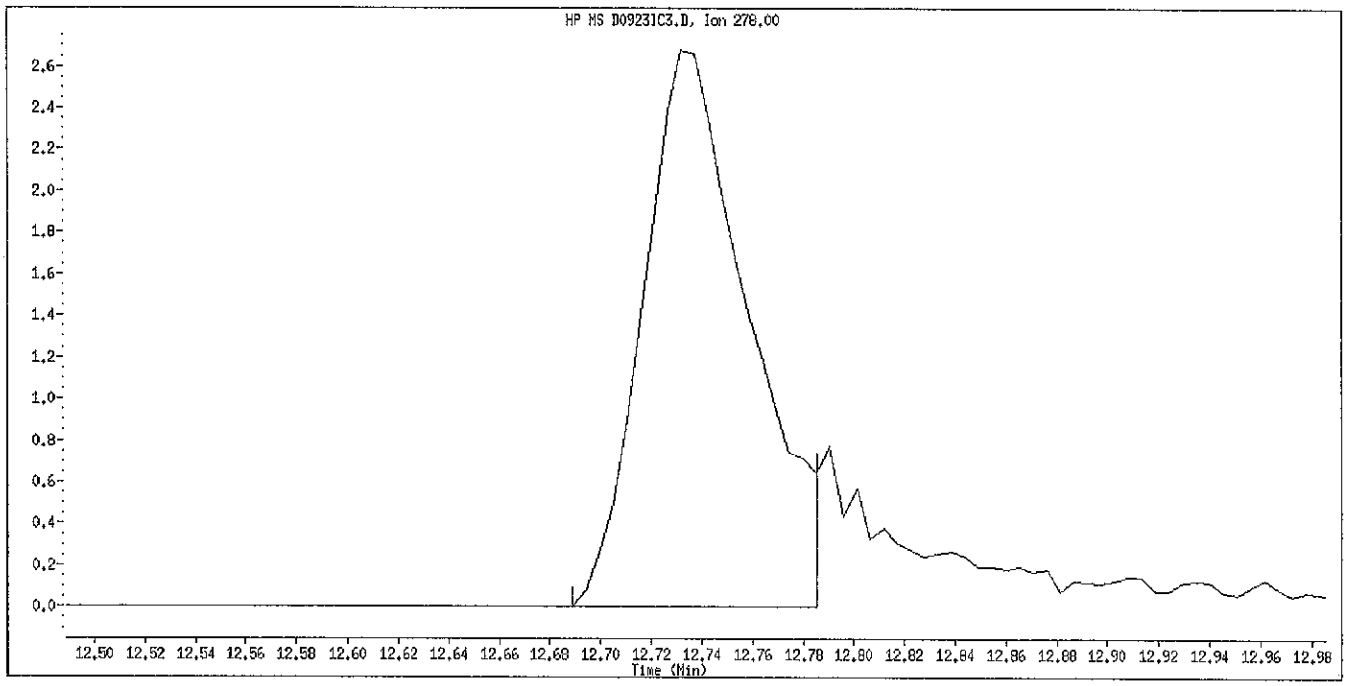
Original Integration



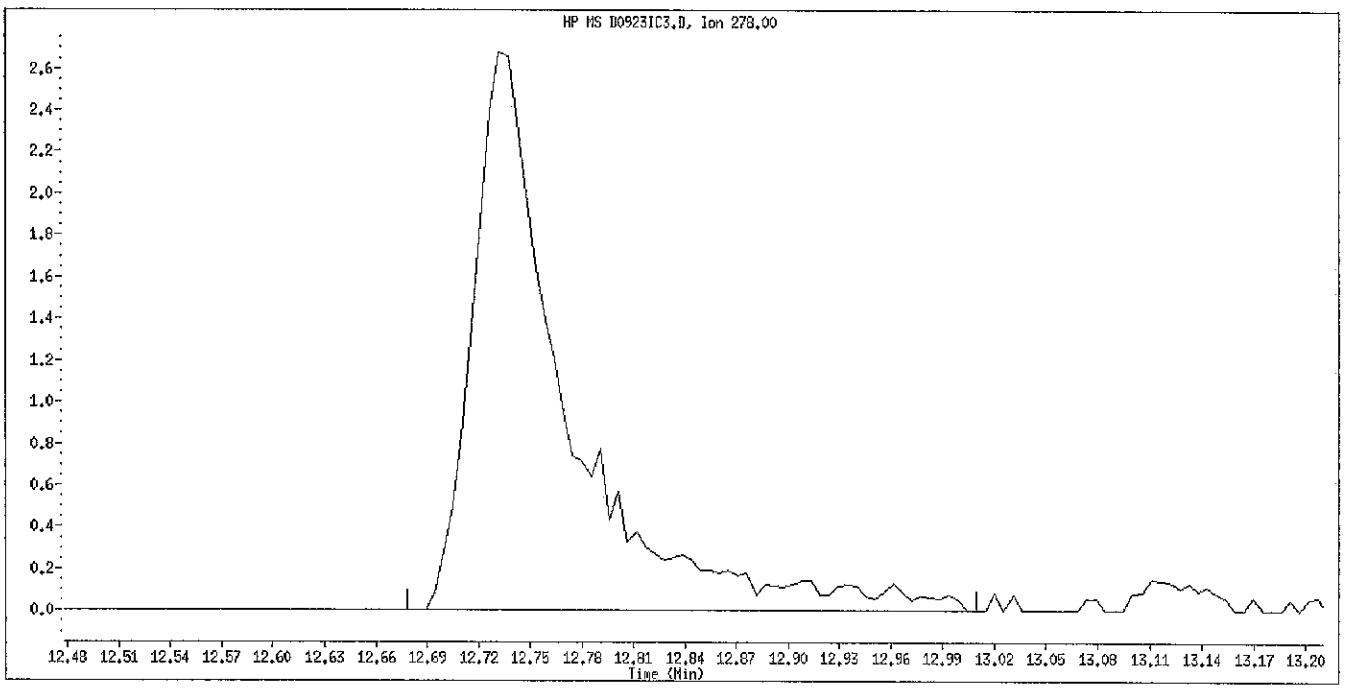
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC3.D
Inj. Date and Time: 23-SEP-2010 18:40
Instrument ID: 732.i
Client ID: sstd2
Compound Name: Dibenz(a,h)anthracene
CAS #: 53-70-3



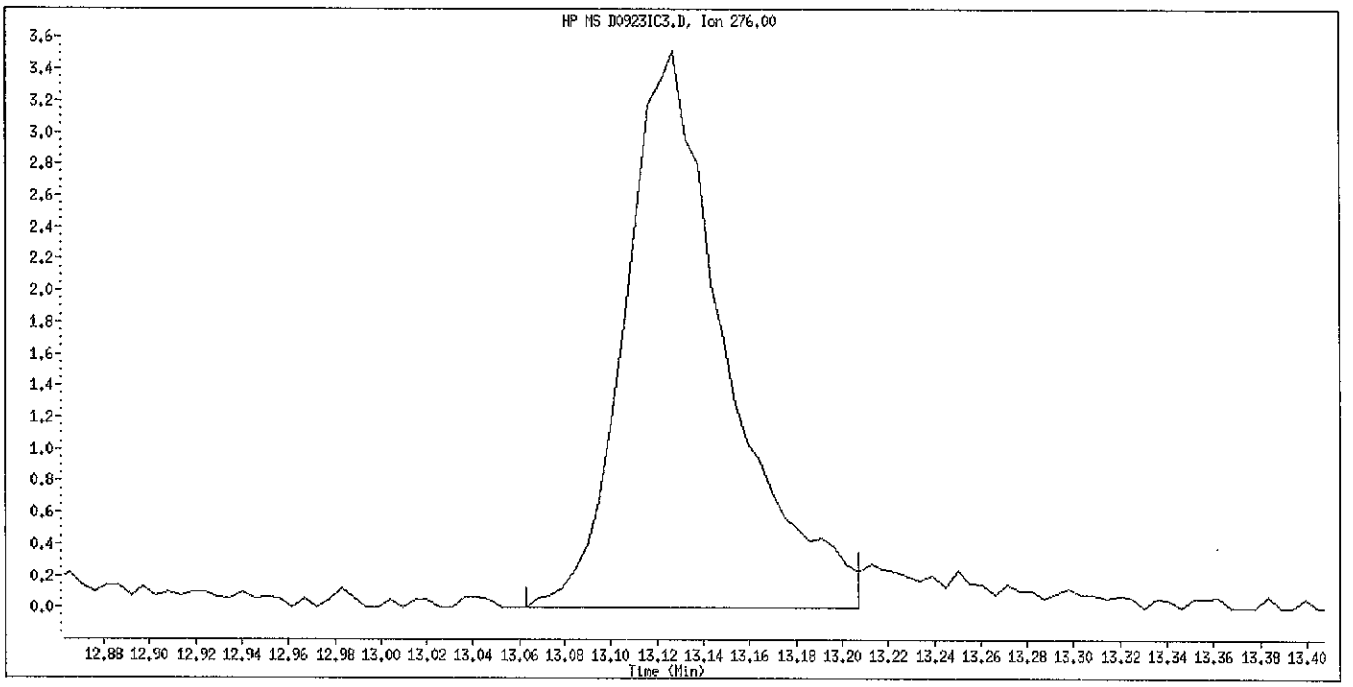
Original Integration



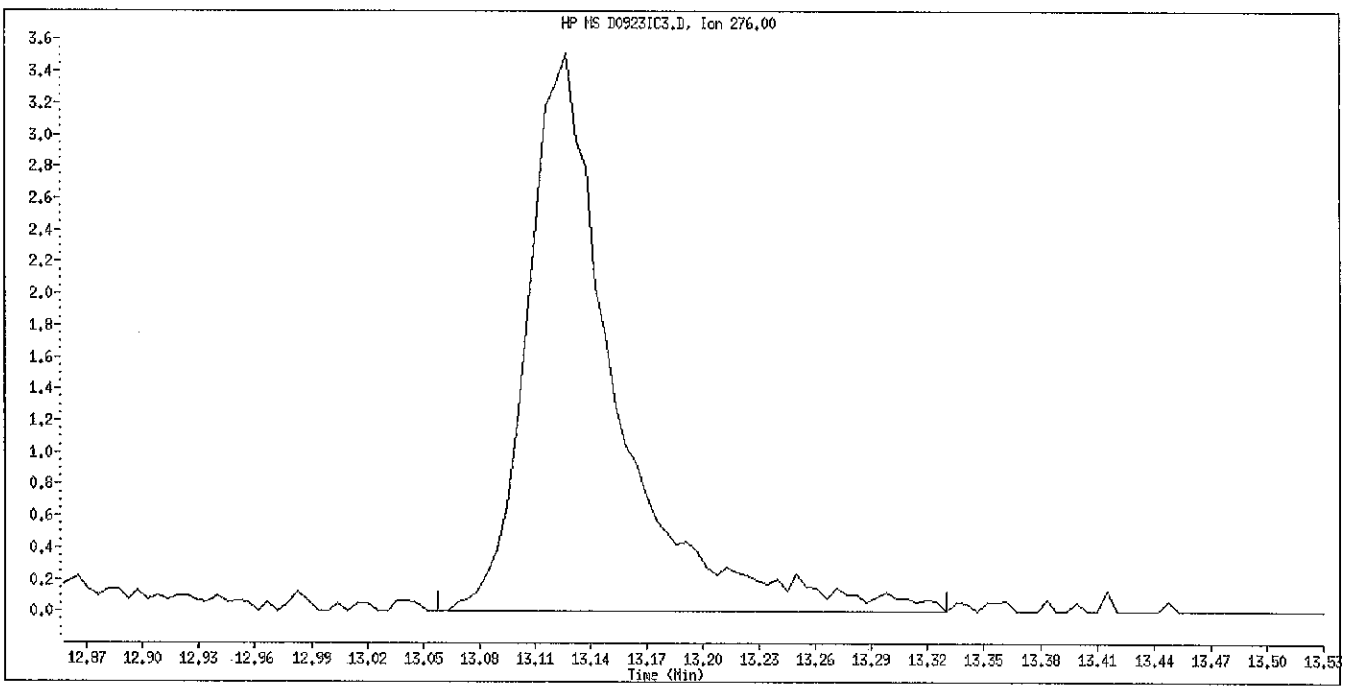
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC3.D
Inj. Date and Time: 23-SEP-2010 18:40
Instrument ID: 732.i
Client ID: sstd2
Compound Name: Benzo(g,h,i)perylene
CAS #: 191-24-2



Original Integration



Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File: \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC1.D

Date : 23-SEP-2010 18:01

Client ID: sstd4

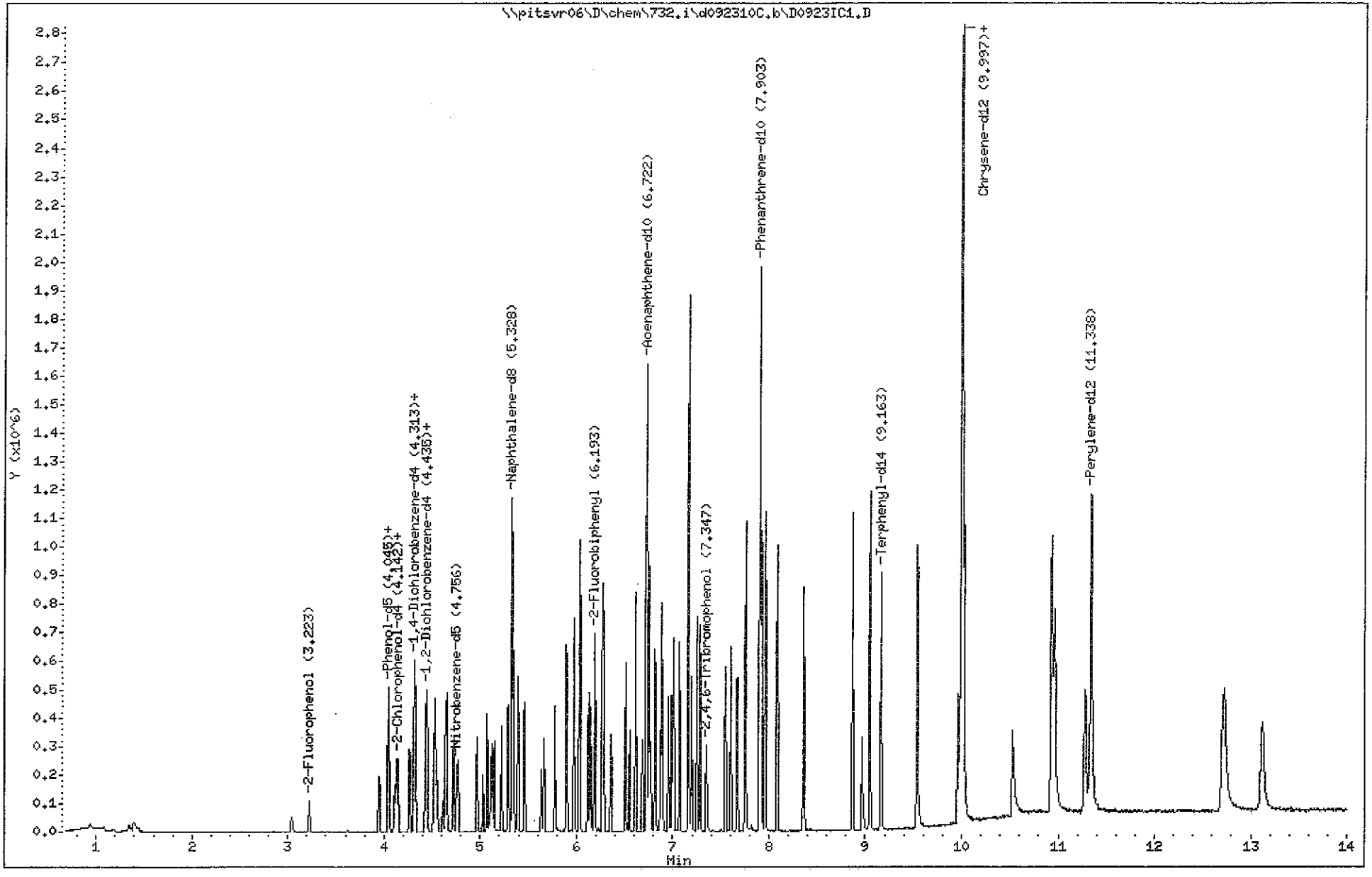
Sample Info: SSTD4.0(2.0ug/ml) BNA0693-10

Column phase: DB5-MS

Instrument: 732.i

Operator: 430261nc

Column diameter: 0.32



C0K030562 1300 (1001 - 1489)

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC1.D
Lab Smp Id: sstd4 Client Smp ID: sstd4
Inj Date : 23-SEP-2010 18:01
Operator : 430261nc Inst ID: 732.i
Smp Info : SSTD4.0(2.0ug/ml) BNA0693-10
Misc Info : sstd4,d092310C.b,ll.m,3-root.sub,1,3
Comment :
Method : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Meth Date : 27-Sep-2010 11:57 campisin Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 2 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.312	4.312	(1.000)	92043	8.00000	
* 2	Naphthalene-d8	136	5.327	5.327	(1.000)	467572	8.00000	
* 3	Acenaphthene-d10	164	6.721	6.722	(1.000)	349739	8.00000	
* 4	Phenanthrene-d10	188	7.902	7.902	(1.000)	654362	8.00000	
* 5	Chrysene-d12	240	9.996	10.007	(1.000)	706221	8.00000	
* 6	Perylene-d12	264	11.342	11.354	(1.000)	601962	8.00000	
198	1,4-Dioxane	88	0.941	0.925	(0.218)	12196	4.00000	4.1864
10	N-Nitrosodimethylamine	74	1.347	1.331	(0.312)	14641	4.00000	4.1083
9	Pyridine	79	1.390	1.364	(0.322)	29454	4.00000	4.2579(M)
16	Methyl methanesulfonate	80	3.035	3.030	(0.704)	22649	4.00000	4.4287
206	Benzaldehyde	77	3.949	3.944	(0.916)	37030	4.00000	4.5247
21	Aniline	93	4.045	4.045	(0.938)	85613	4.00000	4.3748
22	Phenol	94	4.050	4.051	(0.939)	76276	4.00000	4.4631
23	bis(2-Chloroethyl)ether	93	4.109	4.109	(0.953)	54623	4.00000	4.2968
24	2-Chlorophenol	128	4.141	4.142	(0.960)	63479	4.00000	4.2845
26	1,3-Dichlorobenzene	146	4.269	4.264	(0.990)	76721	4.00000	4.1839
27	1,4-Dichlorobenzene	146	4.328	4.328	(1.004)	79715	4.00000	4.2556
28	1,2-Dichlorobenzene	146	4.451	4.446	(1.032)	76560	4.00000	4.1839
29	Benzyl Alcohol	108	4.430	4.430	(1.027)	37597	4.00000	4.1938
217	Indene	116	4.520	4.521	(1.048)	111333	4.00000	4.2031
30	2-Methylphenol	108	4.531	4.537	(1.051)	59873	4.00000	4.2842
31	2,2'-oxybis(1-Chloropropane)	45	4.547	4.548	(1.055)	79221	4.00000	4.3582
36	N-Nitrosopyrrolidine	100	4.611	4.617	(1.069)	25334	4.00000	3.8592
37	Acetophenone	105	4.638	4.638	(1.076)	91416	4.00000	4.4350
32	N-Nitroso-di-n-propylamine	70	4.643	4.649	(1.077)	42857	4.00000	4.7671
192	4-Methylphenol	108	4.654	4.654	(1.079)	63545	4.00000	4.5922
34	Hexachloroethane	117	4.723	4.718	(1.095)	36219	4.00000	4.3074
35	Nitrobenzene	77	4.766	4.772	(0.895)	66206	4.00000	4.2372
41	Isophorone	82	4.964	4.964	(0.932)	122747	4.00000	4.1054
42	2-Nitrophenol	139	5.028	5.028	(0.944)	34661	4.00000	3.6912
43	2,4-Dimethylphenol	107	5.071	5.071	(0.952)	67047	4.00000	3.9678
44	bis(2-Chloroethoxy)methane	93	5.145	5.146	(0.966)	91819	4.00000	4.3373
48	2,4-Dichlorophenol	162	5.220	5.221	(0.980)	69705	4.00000	4.1703

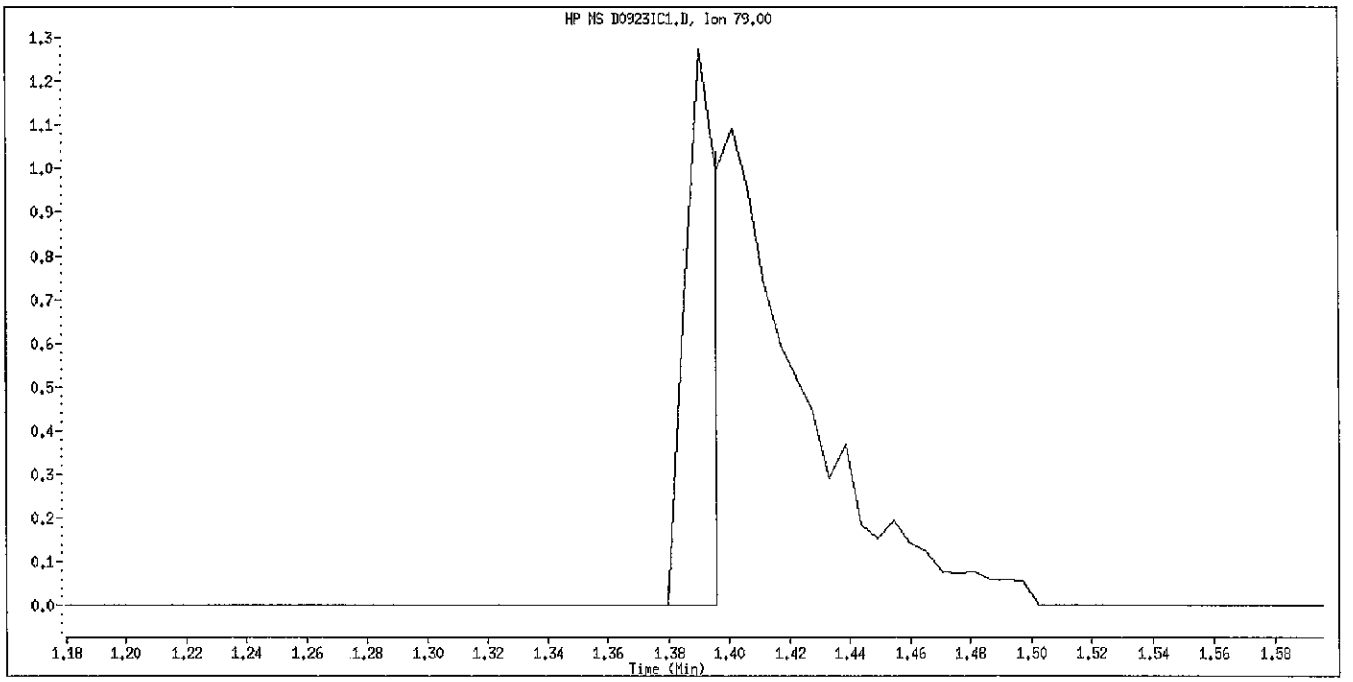
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
49	Benzoic Acid	122	5.119	5.162	(0.961)	85225	10.0000	7.7065 (M)
50	1,2,4-Trichlorobenzene	180	5.290	5.290	(0.993)	83390	4.00000	4.1999
51	Naphthalene	128	5.343	5.344	(1.003)	243318	4.00000	4.0626
52	4-Chloroaniline	127	5.391	5.392	(1.012)	107169	4.00000	4.3359
54	2,6-Dichlorophenol	162	5.397	5.397	(1.013)	72121	4.00000	4.2782
56	Hexachlorobutadiene	225	5.461	5.456	(1.025)	48209	4.00000	4.1244 (Q)
208	Caprolactam	113	5.632	5.669	(1.057)	20749	4.00000	3.9268
59	4-Chloro-3-Methylphenol	107	5.776	5.782	(1.084)	70174	4.00000	4.2280 (H)
62	2-Methylnaphthalene	142	5.893	5.894	(1.106)	178765	4.00000	4.2533
63	1-Methylnaphthalene	142	5.974	5.974	(1.121)	177066	4.00000	4.2291
64	Hexachlorocyclopentadiene	237	6.032	6.033	(0.897)	53993	4.00000	4.2645
65	1,2,4,5-Tetrachlorobenzene	216	6.032	6.033	(0.897)	95100	4.00000	4.5302
66	2,4,6-Trichlorophenol	196	6.123	6.123	(0.911)	60243	4.00000	4.2311
67	2,4,5-Trichlorophenol	196	6.150	6.156	(0.915)	69436	4.00000	4.5738
209	1,1'-Biphenyl	154	6.267	6.268	(0.932)	242558	4.00000	4.4534
70	2-Chloronaphthalene	162	6.283	6.284	(0.935)	198594	4.00000	4.4704
73	2-Nitroaniline	65	6.358	6.359	(0.946)	39671	4.00000	3.9661
76	Dimethylphthalate	163	6.508	6.513	(0.968)	199394	4.00000	4.2870
78	2,6-Dinitrotoluene	165	6.550	6.556	(0.975)	35494	4.00000	3.6669
79	Acenaphthylene	152	6.609	6.610	(0.983)	311333	4.00000	4.3182
81	3-Nitroaniline	138	6.684	6.684	(0.994)	52268	4.00000	4.1732
82	Acenaphthene	153	6.748	6.749	(1.004)	198771	4.00000	4.4126
83	2,4-Dinitrophenol	184	6.764	6.770	(1.006)	37313	10.0000	9.7313
85	4-Nitrophenol	109	6.812	6.823	(1.014)	58163	10.0000	9.7994
86	Dibenzofuran	168	6.887	6.887	(1.025)	301099	4.00000	4.4036
87	2,4-Dinitrotoluene	165	6.871	6.877	(1.022)	57572	4.00000	4.1162
91	2,3,5,6-Tetrachlorophenol	232	6.951	6.957	(1.034)	54572	4.00000	4.1509
88	2,3,4,6-Tetrachlorophenol	232	6.989	6.989	(1.040)	57034	4.00000	4.2267
92	2-Naphthylamine	143	7.005	7.010	(1.042)	209380	4.00000	4.6503
93	Diethylphthalate	149	7.069	7.074	(1.052)	223543	4.00000	4.3723
94	Fluorene	166	7.159	7.160	(1.065)	237301	4.00000	4.0944
95	4-Chlorophenyl-phenylether	204	7.159	7.160	(1.065)	114952	4.00000	4.2476
96	4-Nitroaniline	138	7.165	7.176	(1.066)	54717	4.00000	4.6104
98	4,6-Dinitro-2-methylphenol	198	7.192	7.197	(0.910)	72355	10.0000	8.1344
99	N-Nitrosodiphenylamine (1)	169	7.250	7.256	(0.918)	156820	4.00000	4.3079
100	1,2-Diphenylhydrazine	77	7.282	7.288	(0.922)	253758	4.00000	4.4503
106	4-Bromophenyl-phenylether	248	7.549	7.550	(0.955)	67219	4.00000	4.3836
107	Hexachlorobenzene	284	7.603	7.603	(0.962)	72071	4.00000	4.2446
210	Atrazine	200	7.672	7.678	(0.971)	56024	4.00000	4.3420
111	Pentachlorophenol	266	7.752	7.758	(0.981)	104366	10.0000	9.9840 (QM)
115	Phenanthrene	178	7.918	7.924	(1.002)	392989	4.00000	4.2928
116	Anthracene	178	7.961	7.967	(1.007)	387141	4.00000	4.3189
119	Carbazole	167	8.084	8.089	(1.023)	365814	4.00000	4.3129
120	Di-n-Butylphthalate	149	8.361	8.362	(1.058)	424527	4.00000	4.1139
123	Fluoranthene	202	8.864	8.869	(1.122)	411382	4.00000	4.2858
124	Benzidine	184	8.965	8.966	(0.897)	144121	4.00000	3.1015
125	Pyrene	202	9.045	9.051	(0.905)	443013	4.00000	4.1375
131	Butylbenzylphthalate	149	9.542	9.543	(0.955)	189665	4.00000	3.9737
135	3,3'-Dichlorobenzidine	252	9.964	9.970	(0.997)	113437	4.00000	3.9232
136	Benzo(a)Anthracene	228	9.991	9.997	(0.999)	385584	4.00000	4.1947
137	Chrysene	228	10.018	10.029	(1.002)	401590	4.00000	3.9758
139	bis(2-ethylhexyl)Phthalate	149	9.986	9.991	(0.999)	245287	4.00000	3.9705
140	Di-n-octylphthalate	149	10.525	10.536	(0.928)	323685	4.00000	4.2772 (M)
141	Benzo(b)fluoranthene	252	10.936	10.958	(0.964)	327732	4.00000	3.5897

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
142 Benzo(k)fluoranthene	252	10.963	10.980	(0.967)	411181	4.00000	4.1886(H)
143 7,12-dimethylbenz[a]anthracen	256	10.926	10.942	(0.963)	153919	4.00000	4.2025
146 Benzo(a)pyrene	252	11.278	11.295	(0.994)	240357	4.00000	3.7388
149 Indeno(1,2,3-cd)pyrene	276	12.710	12.737	(1.121)	294769	4.00000	3.8486(MH)
150 Dibenz(a,h)anthracene	278	12.726	12.759	(1.122)	241457	4.00000	3.8630
151 Benzo(g,h,i)perylene	276	13.116	13.154	(1.156)	273363	4.00000	3.8150(H)
$ 154 Nitrobenzene-d5	82	4.755	4.756	(0.893)	65046	4.00000	4.0719(H)
$ 155 2-Fluorobiphenyl	172	6.193	6.193	(0.921)	204939	4.00000	4.3840
$ 156 Terphenyl-d14	244	9.163	9.163	(0.917)	260473	4.00000	4.1185
$ 157 Phenol-d5	99	4.040	4.040	(0.937)	65480	4.00000	4.4375
$ 158 2-Fluorophenol	112	3.222	3.217	(0.747)	41803	4.00000	4.1875
$ 159 2,4,6-Tribromophenol	330	7.352	7.352	(0.930)	28638	4.00000	4.1511
$ 186 2-Chlorophenol-d4	132	4.130	4.131	(0.958)	63442	4.00000	4.4438
$ 187 1,2-Dichlorobenzene-d4	152	4.435	4.435	(1.028)	48115	4.00000	4.3311

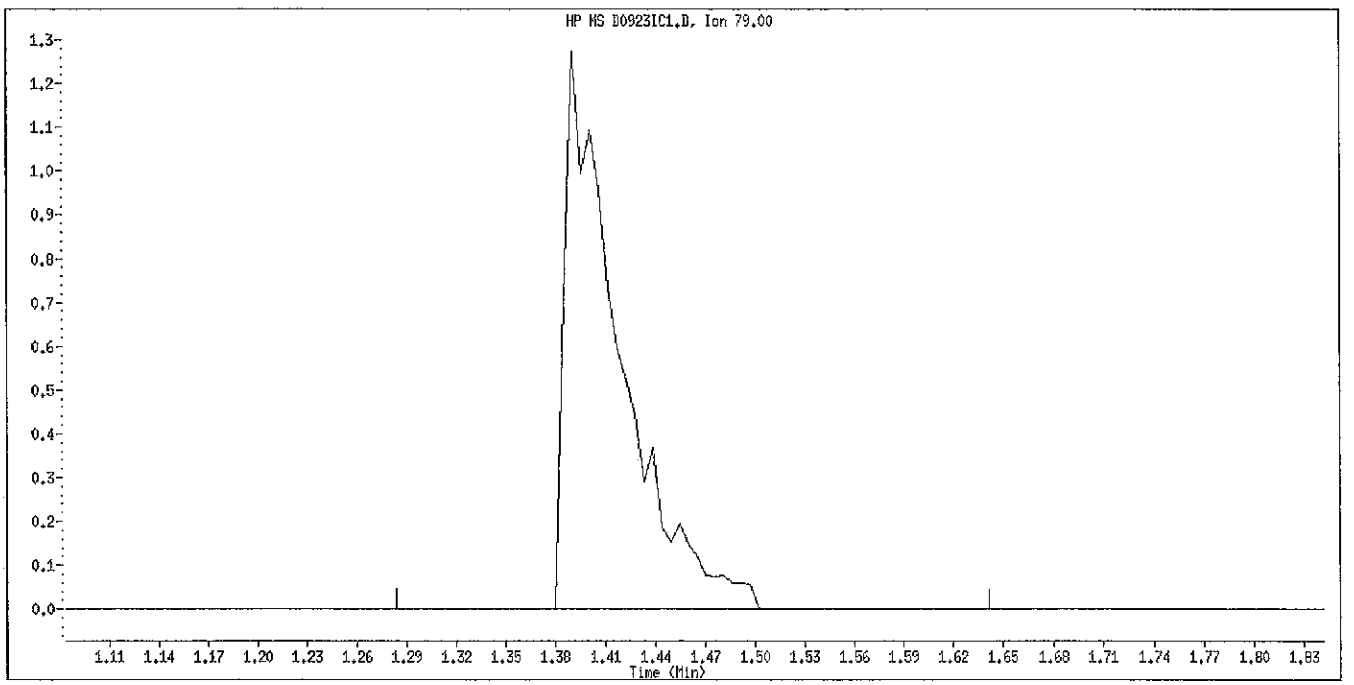
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: D0923IC1.D
Inj. Date and Time: 23-SEP-2010 18:01
Instrument ID: 732.i
Client ID: sstd4
Compound Name: Pyridine
CAS #: 110-86-1



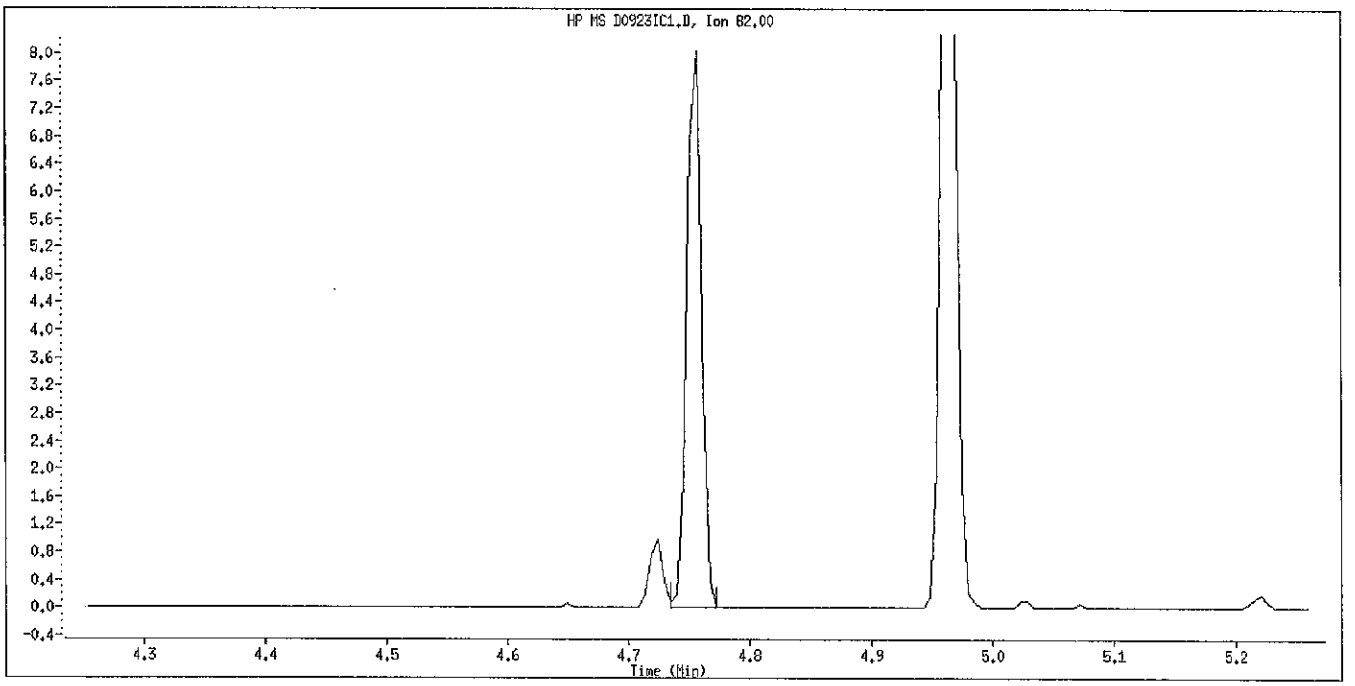
Original Integration



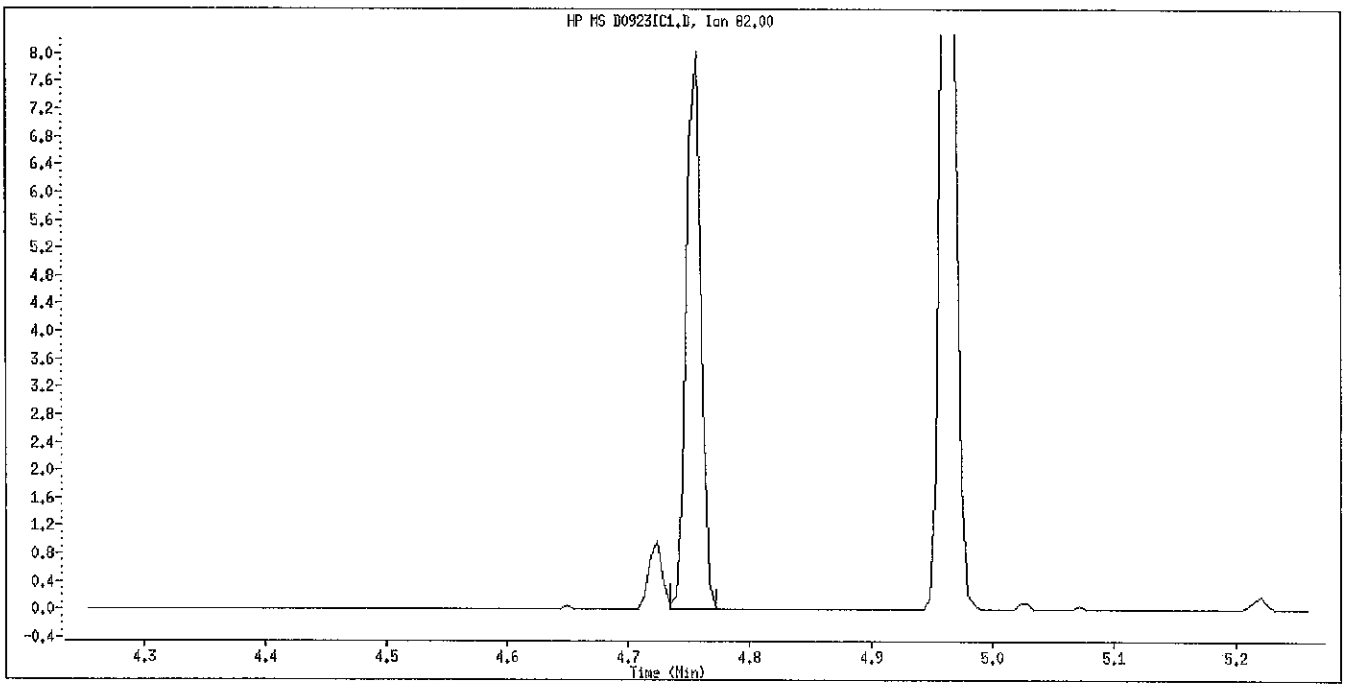
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC1.D
Inj. Date and Time: 23-SEP-2010 18:01
Instrument ID: 732.i
Client ID: sstd4
Compound Name: Nitrobenzene-d5
CAS #: 4165-60-0

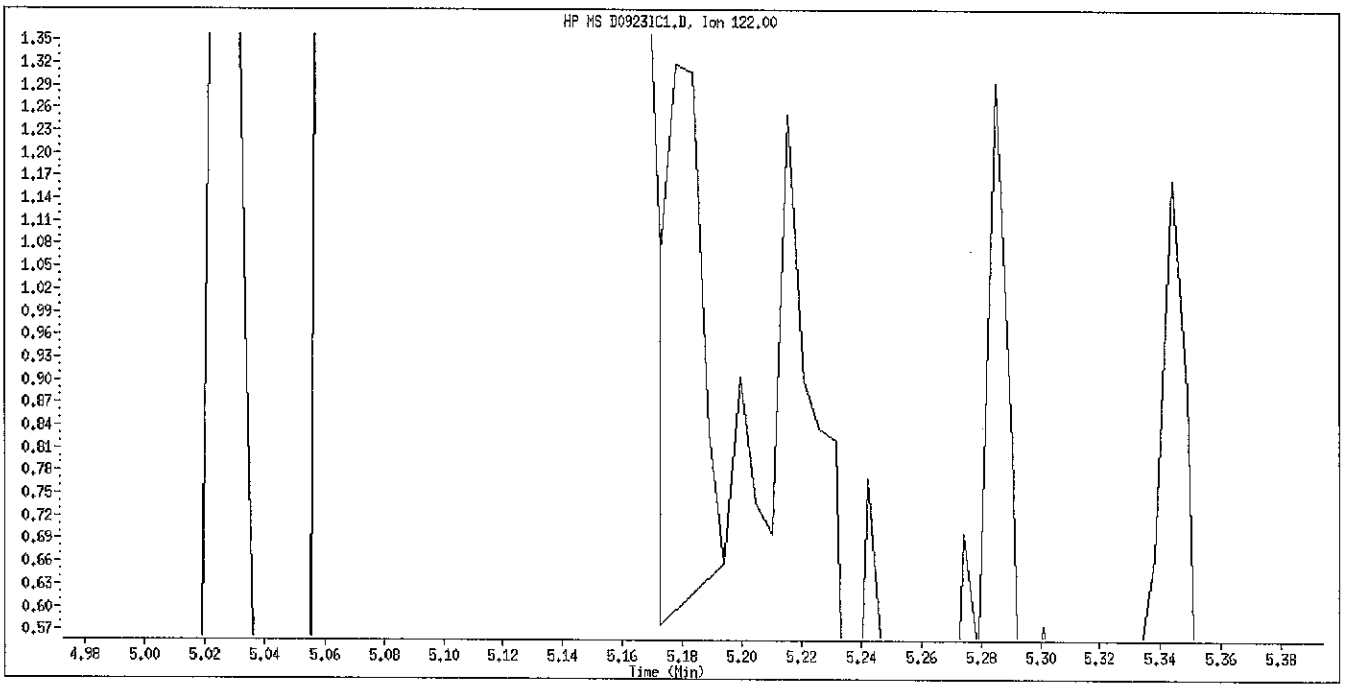


Original Integration

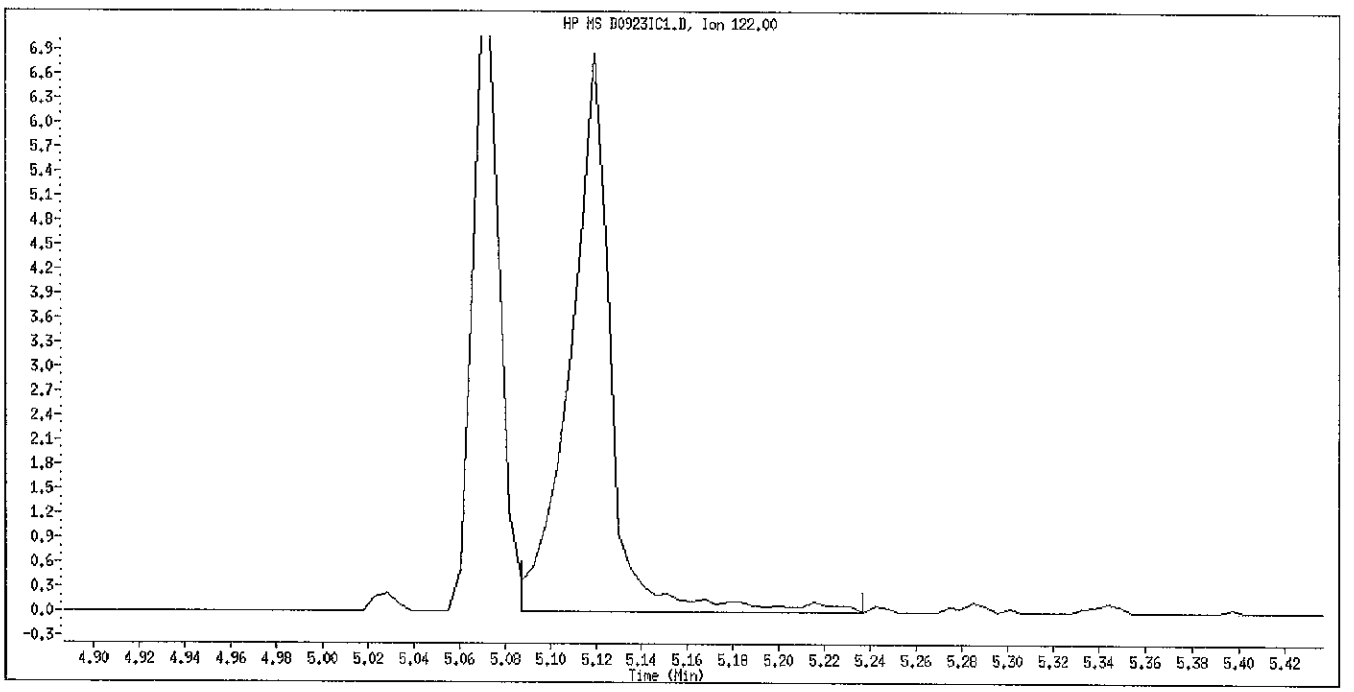


Manual Integration

Data File Name: D0923IC1.D
Inj. Date and Time: 23-SEP-2010 18:01
Instrument ID: 732.i
Client ID: sstd4
Compound Name: Benzoic Acid
CAS #: 65-85-0



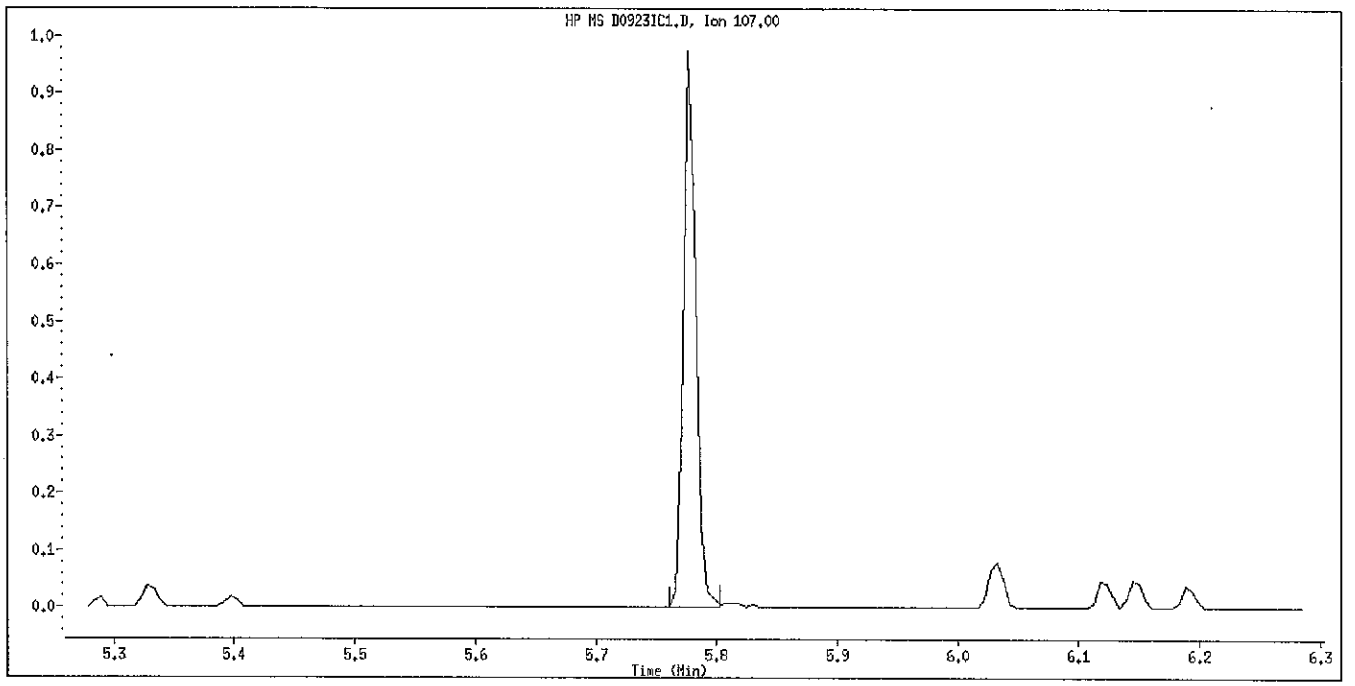
Original Integration



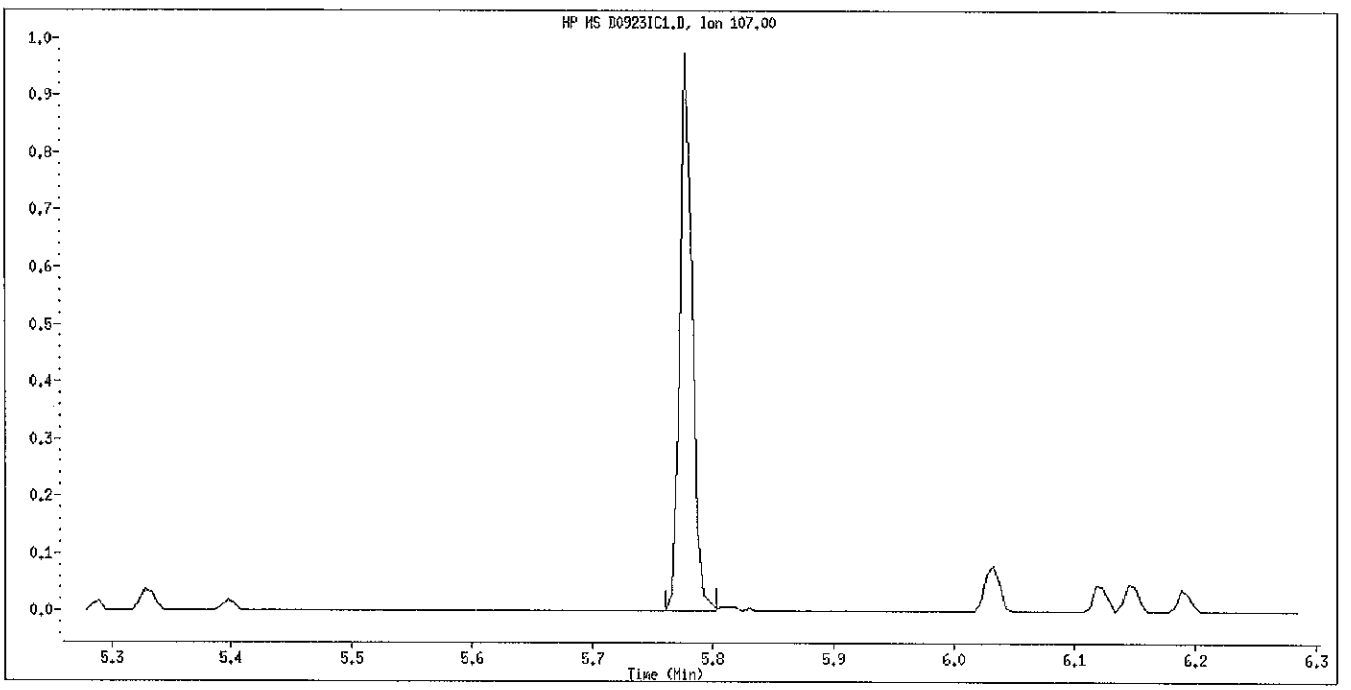
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Unknown

Data File Name: D0923IC1.D
Inj. Date and Time: 23-SEP-2010 18:01
Instrument ID: 732.i
Client ID: sstd4
Compound Name: 4-Chloro-3-Methylphenol
CAS #: 59-50-7



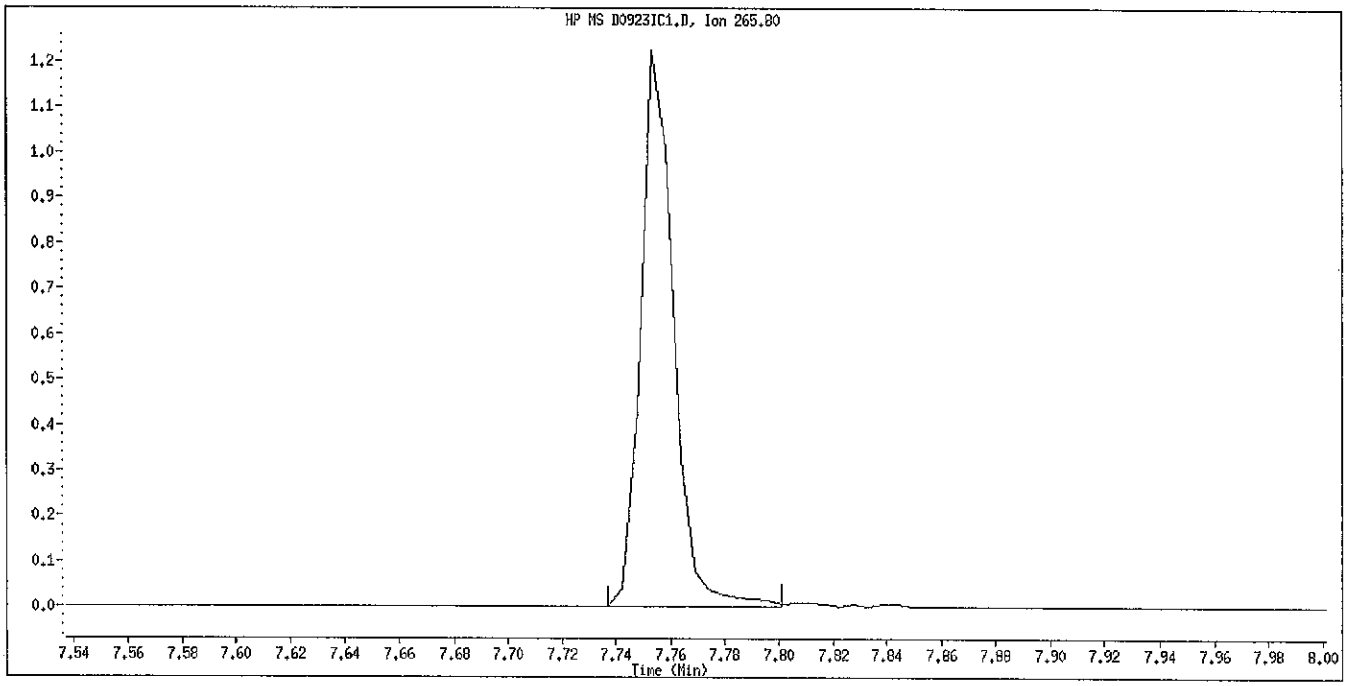
Original Integration



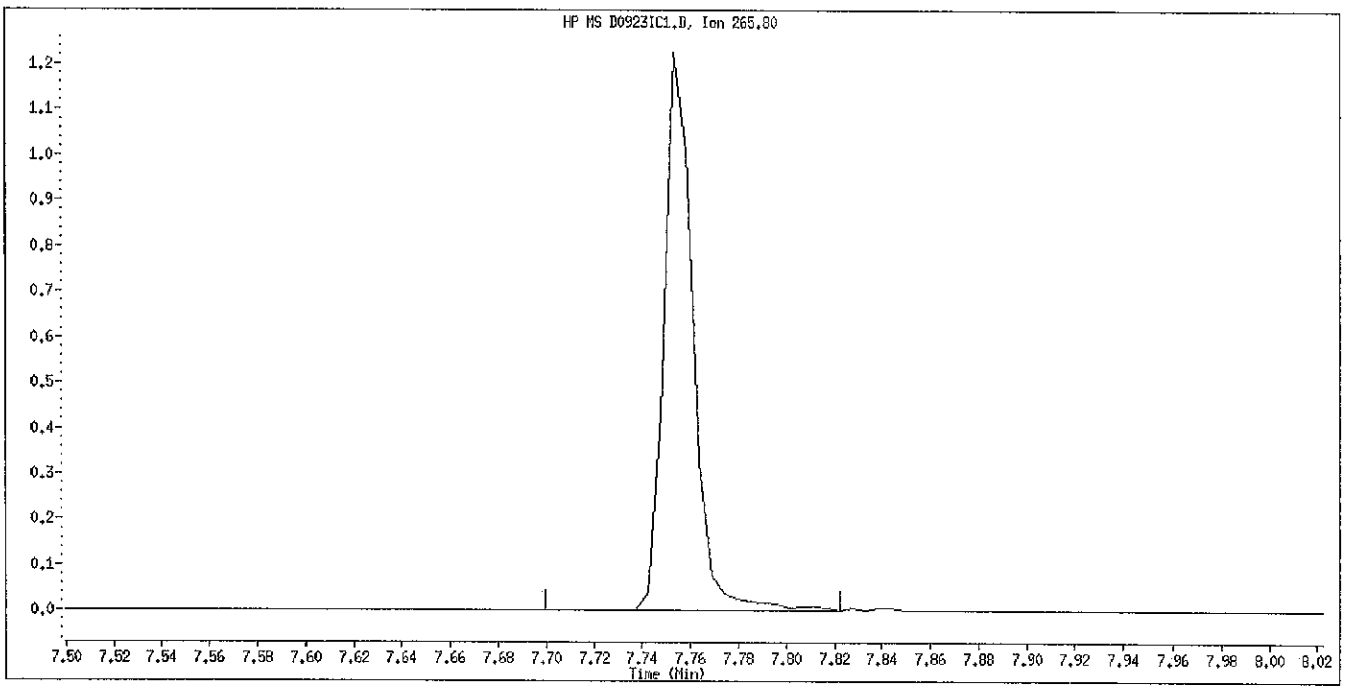
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC1.D
Inj. Date and Time: 23-SEP-2010 18:01
Instrument ID: 732.i
Client ID: sstd4
Compound Name: Pentachlorophenol
CAS #: 87-86-5



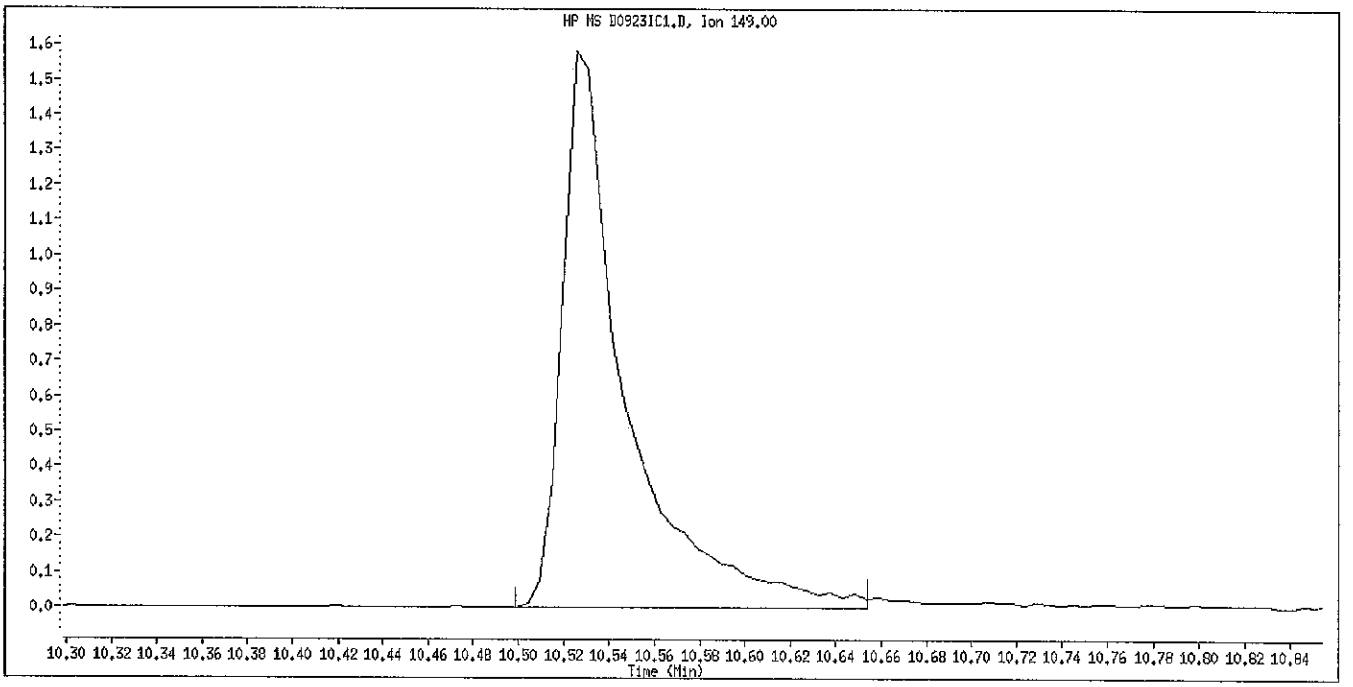
Original Integration



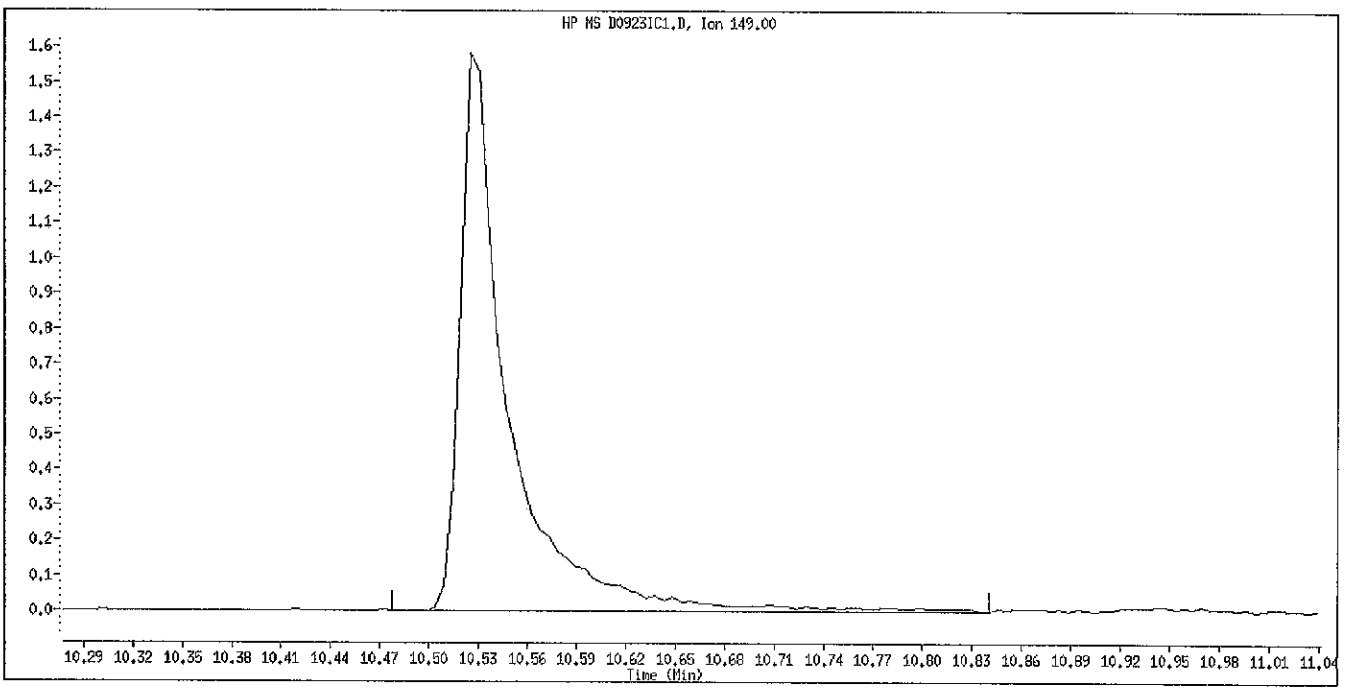
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D0923IC1.D
Inj. Date and Time: 23-SEP-2010 18:01
Instrument ID: 732.i
Client ID: sstd4
Compound Name: Di-n-octylphthalate
CAS #: 117-84-0



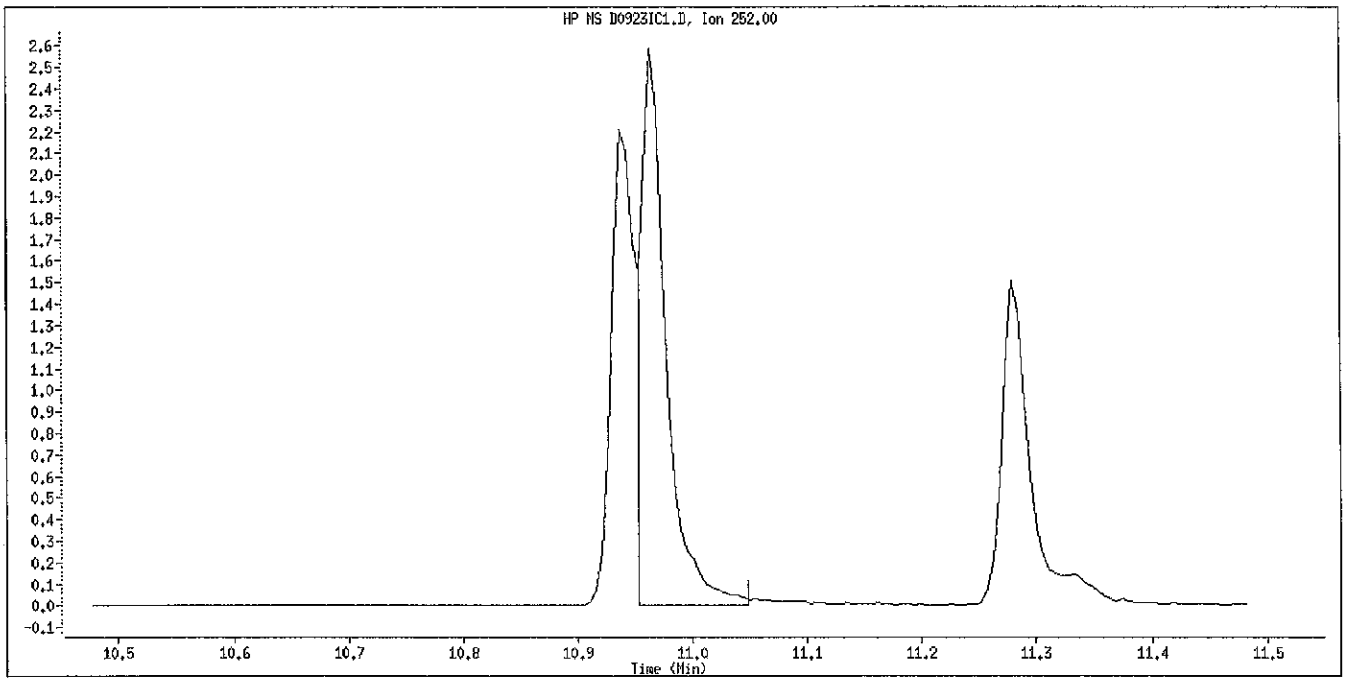
Original Integration



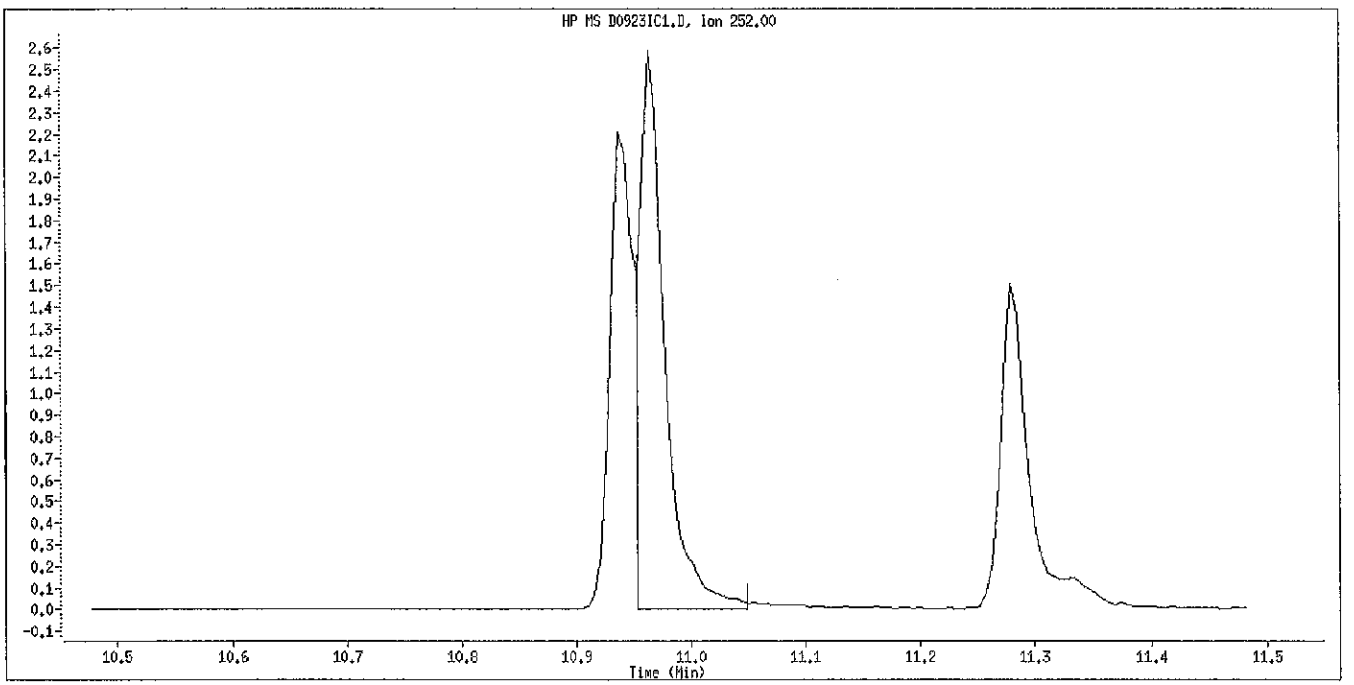
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D0923IC1.D
Inj. Date and Time: 23-SEP-2010 18:01
Instrument ID: 732.i
Client ID: sstd4
Compound Name: Benzo(k)fluoranthene
CAS #: 207-08-9



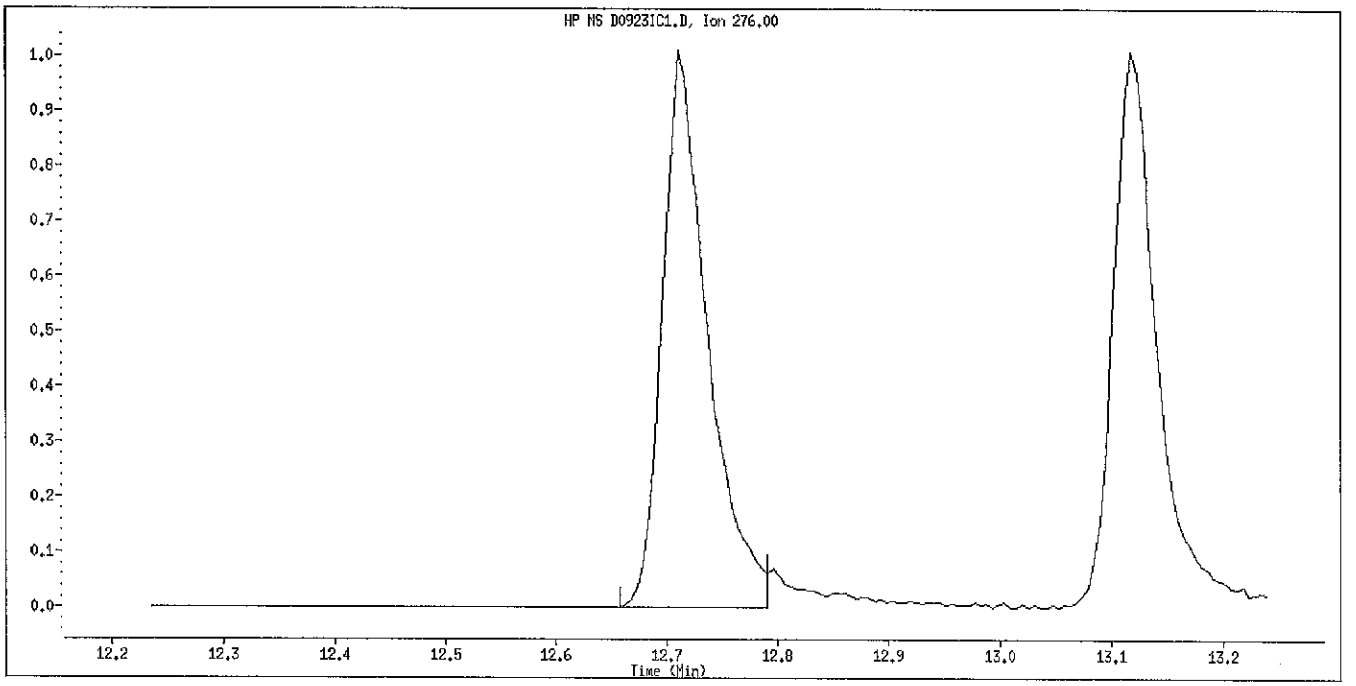
Original Integration



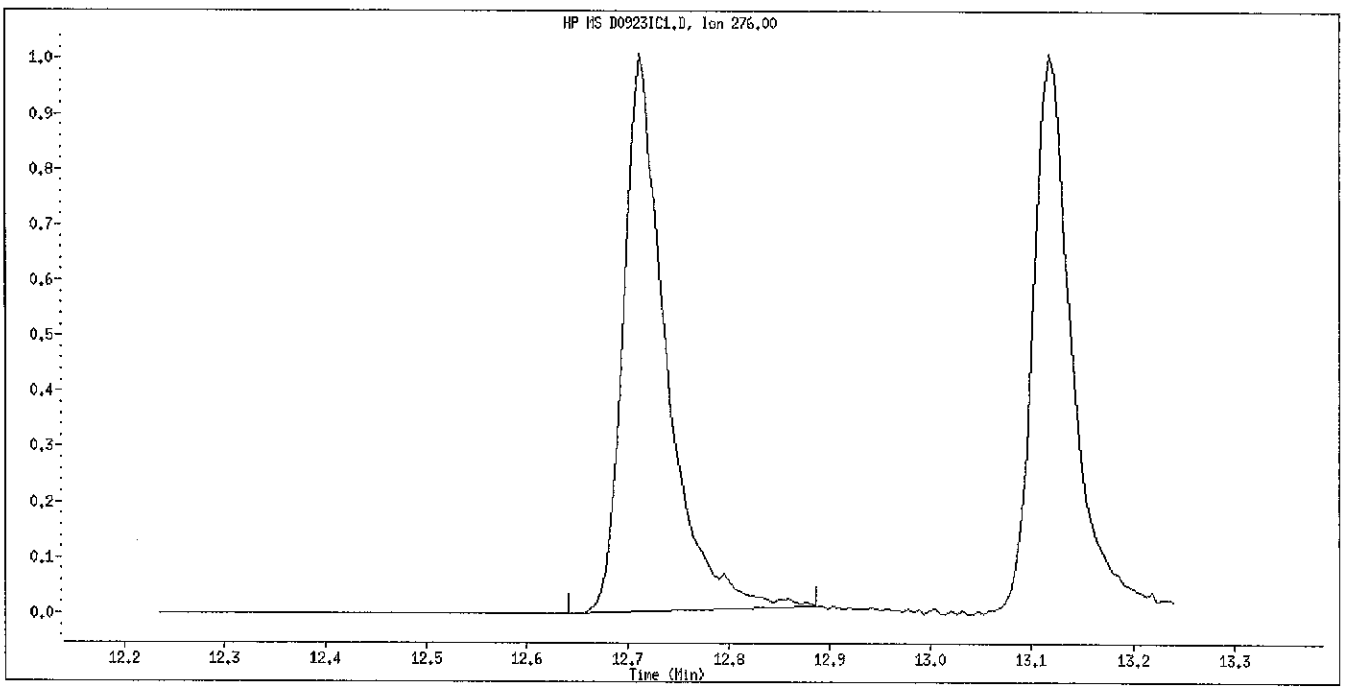
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC1.D
Inj. Date and Time: 23-SEP-2010 18:01
Instrument ID: 732.i
Client ID: sstd4
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5



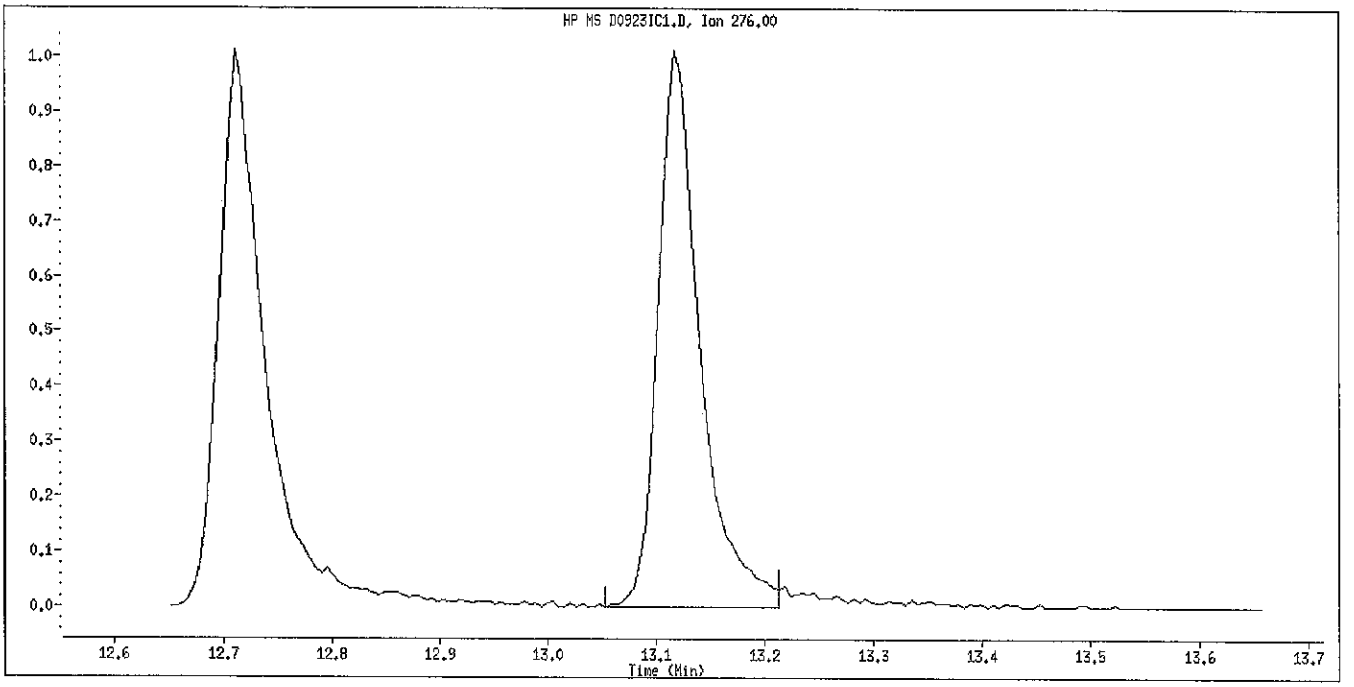
Original Integration



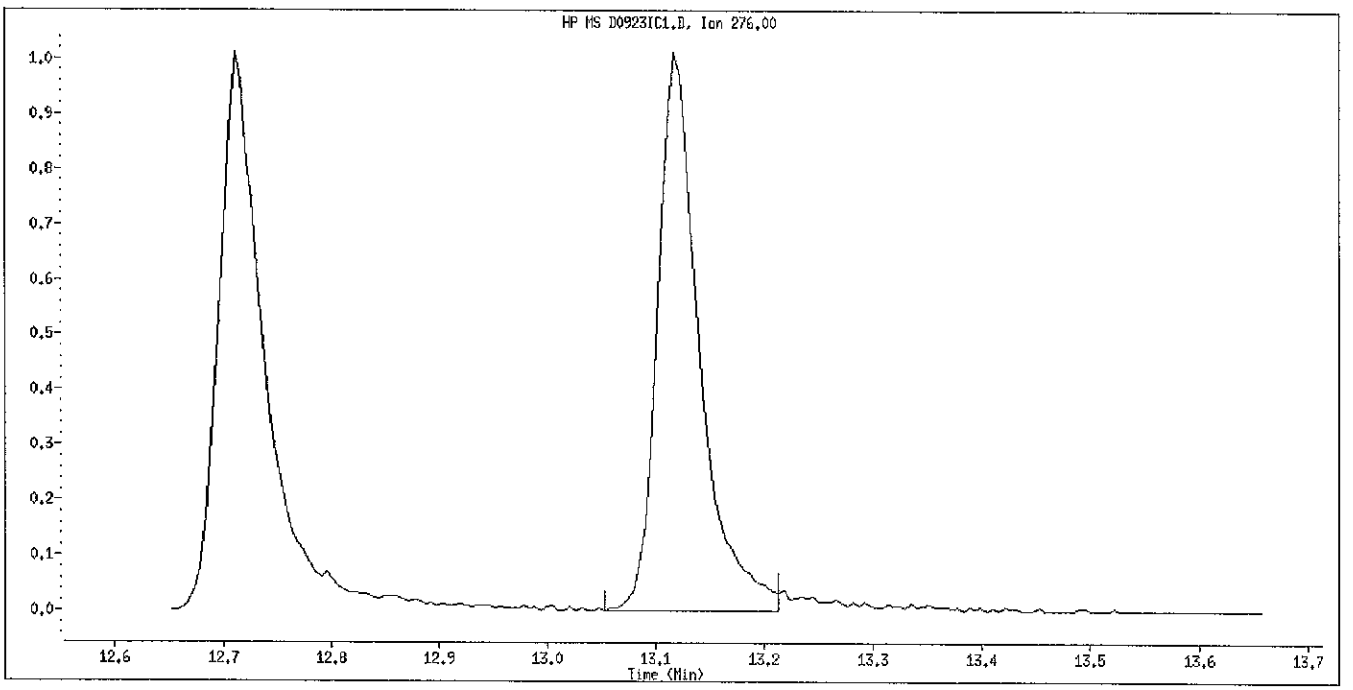
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC1.D
Inj. Date and Time: 23-SEP-2010 18:01
Instrument ID: 732.i
Client ID: sstd4
Compound Name: Benzo(g,h,i)perylene
CAS #: 191-24-2



Original Integration



Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File: \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC4.D

Date : 23-SEP-2010 19:00

Client ID: sstd10

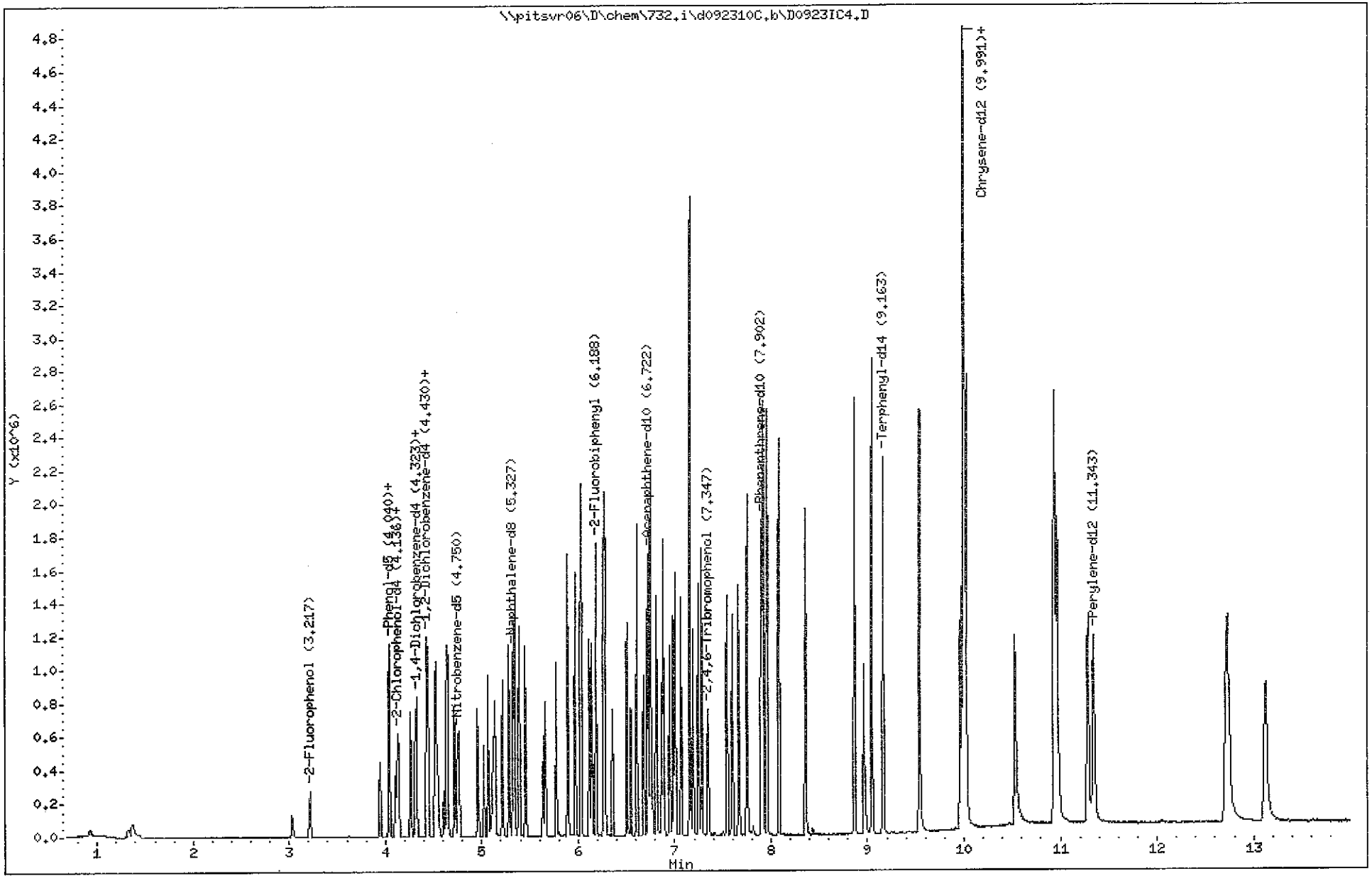
Sample Info: SSTD10(5.0ug/ml) BNA0663-10

Column phase: DB5-MS

Instrument: 732.i

Operator: 430261no

Column diameter: 0.32



Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC4.D
Lab Smp Id: sstd10 Client Smp ID: sstd10
Inj Date : 23-SEP-2010 19:00
Operator : 430261nc Inst ID: 732.i
Smp Info : SSTD10(5.0ug/ml) BNA0663-10
Misc Info : sstd10,d092310C.b,ll.m,3-root.sub,1,4
Comment :
Method : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Meth Date : 27-Sep-2010 11:57 campisin Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.312	4.312	(1.000)	91985	8.00000	
* 2	Naphthalene-d8	136	5.327	5.327	(1.000)	446787	8.00000	
* 3	Acenaphthene-d10	164	6.721	6.722	(1.000)	346549	8.00000	
* 4	Phenanthrene-d10	188	7.902	7.902	(1.000)	640123	8.00000	
* 5	Chrysene-d12	240	10.001	10.007	(1.000)	706590	8.00000	
* 6	Perylene-d12	264	11.348	11.354	(1.000)	597672	8.00000	
198	1,4-Dioxane	88	0.925	0.925	(0.215)	27405	10.0000	9.4129
10	N-Nitrosodimethylamine	74	1.326	1.331	(0.308)	36022	10.0000	10.114
9	Pyridine	79	1.363	1.364	(0.316)	67076	10.0000	9.7026
16	Methyl methanesulfonate	80	3.030	3.030	(0.703)	52492	10.0000	10.271
206	Benzaldehyde	77	3.943	3.944	(0.915)	92970	10.0000	11.367
21	Aniline	93	4.039	4.045	(0.937)	203529	10.0000	10.407
22	Phenol	94	4.045	4.051	(0.938)	179930	10.0000	10.535
23	bis(2-Chloroethyl)ether	93	4.109	4.109	(0.953)	132007	10.0000	10.390
24	2-Chlorophenol	128	4.141	4.142	(0.960)	154379	10.0000	10.426
26	1,3-Dichlorobenzene	146	4.264	4.264	(0.989)	188693	10.0000	10.297
27	1,4-Dichlorobenzene	146	4.323	4.328	(1.002)	188207	10.0000	10.054
28	1,2-Dichlorobenzene	146	4.445	4.446	(1.031)	189686	10.0000	10.373
29	Benzyl Alcohol	108	4.429	4.430	(1.027)	97456	10.0000	10.878
217	Indene	116	4.515	4.521	(1.047)	277765	10.0000	10.493
30	2-Methylphenol	108	4.526	4.537	(1.050)	148155	10.0000	10.608
31	2,2'-oxybis(1-Chloropropane)	45	4.547	4.548	(1.055)	190438	10.0000	10.483
36	N-Nitrosopyrrolidine	100	4.606	4.617	(1.068)	66646	10.0000	10.159
37	Acetophenone	105	4.632	4.638	(1.074)	218694	10.0000	10.617
32	N-Nitroso-di-n-propylamine	70	4.643	4.649	(1.077)	98654	10.0000	10.980
192	4-Methylphenol	108	4.648	4.654	(1.078)	150210	10.0000	10.862
34	Hexachloroethane	117	4.718	4.718	(1.094)	87284	10.0000	10.387
35	Nitrobenzene	77	4.766	4.772	(0.895)	162805	10.0000	10.904
41	Isophorone	82	4.958	4.964	(0.931)	299208	10.0000	10.473
42	2-Nitrophenol	139	5.022	5.028	(0.943)	92816	10.0000	10.344
43	2,4-Dimethylphenol	107	5.065	5.071	(0.951)	176120	10.0000	10.907
44	bis(2-Chloroethoxy)methane	93	5.140	5.146	(0.965)	217689	10.0000	10.761
48	2,4-Dichlorophenol	162	5.215	5.221	(0.979)	165262	10.0000	10.347

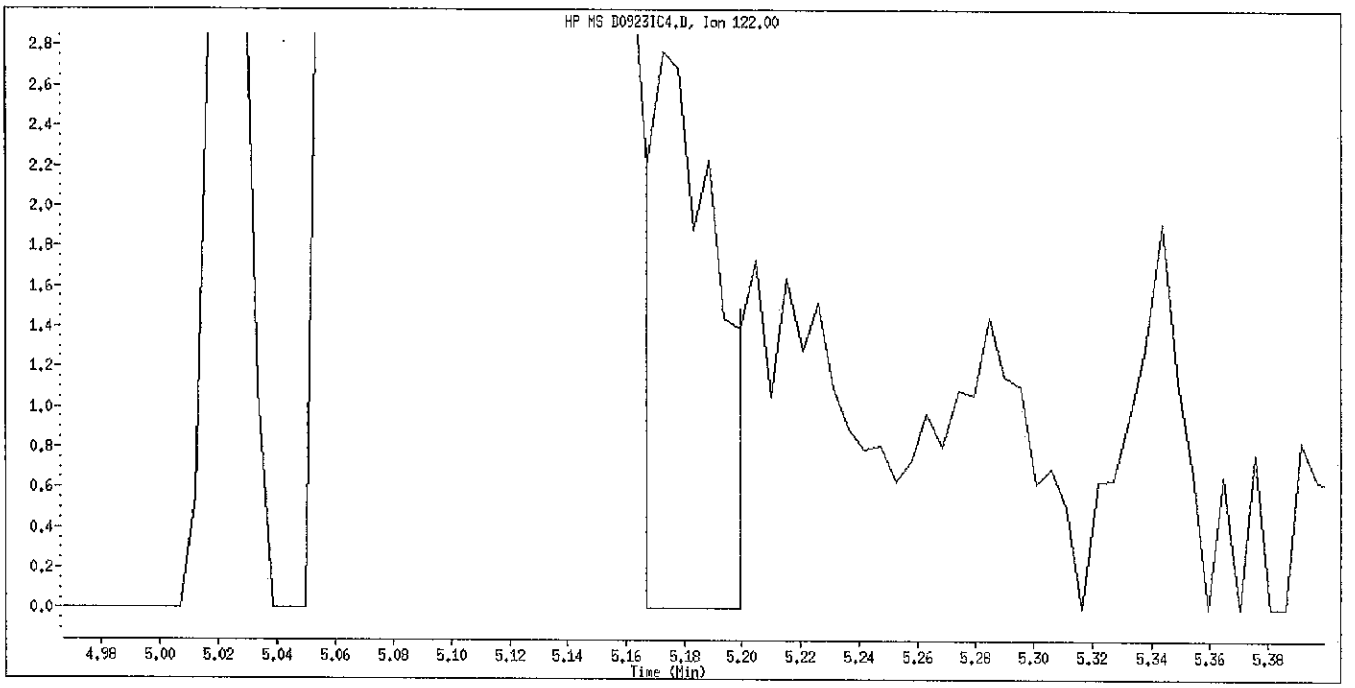
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49	Benzoic Acid	122	5.129	5.162	(0.963)	202577	20.0000	19.170(M)
50	1,2,4-Trichlorobenzene	180	5.284	5.290	(0.992)	200965	10.0000	10.592
51	Naphthalene	128	5.343	5.344	(1.003)	588440	10.0000	10.282
52	4-Chloroaniline	127	5.386	5.392	(1.011)	251965	10.0000	10.668
54	2,6-Dichlorophenol	162	5.396	5.397	(1.013)	170060	10.0000	10.557
56	Hexachlorobutadiene	225	5.455	5.456	(1.024)	112060	10.0000	10.033(Q)
208	Caprolactam	113	5.631	5.669	(1.057)	55213	10.0000	10.935
59	4-Chloro-3-Methylphenol	107	5.776	5.782	(1.084)	170244	10.0000	10.734
62	2-Methylnaphthalene	142	5.893	5.894	(1.106)	420311	10.0000	10.466
63	1-Methylnaphthalene	142	5.973	5.974	(1.121)	427446	10.0000	10.684
64	Hexachlorocyclopentadiene	237	6.032	6.033	(0.897)	135244	10.0000	10.780
65	1,2,4,5-Tetrachlorobenzene	216	6.032	6.033	(0.897)	217670	10.0000	10.464
66	2,4,6-Trichlorophenol	196	6.118	6.123	(0.910)	151142	10.0000	10.713
67	2,4,5-Trichlorophenol	196	6.144	6.156	(0.914)	152218	10.0000	10.119
209	1,1'-Biphenyl	154	6.267	6.268	(0.932)	560653	10.0000	10.388
70	2-Chloronaphthalene	162	6.278	6.284	(0.934)	458619	10.0000	10.419
73	2-Nitroaniline	65	6.353	6.359	(0.945)	104327	10.0000	10.526
76	Dimethylphthalate	163	6.508	6.513	(0.968)	480673	10.0000	10.430
78	2,6-Dinitrotoluene	165	6.550	6.556	(0.975)	98194	10.0000	10.238
79	Acenaphthylene	152	6.609	6.610	(0.983)	757815	10.0000	10.608
81	3-Nitroaniline	138	6.679	6.684	(0.994)	127037	10.0000	10.236
82	Acenaphthene	153	6.748	6.749	(1.004)	474581	10.0000	10.632
83	2,4-Dinitrophenol	184	6.764	6.770	(1.006)	97000	20.0000	18.791(Q)
85	4-Nitrophenol	109	6.812	6.823	(1.014)	121716	20.0000	20.696
86	Dibenzofuran	168	6.882	6.887	(1.024)	710286	10.0000	10.484
87	2,4-Dinitrotoluene	165	6.865	6.877	(1.021)	148227	10.0000	10.695
91	2,3,5,6-Tetrachlorophenol	232	6.951	6.957	(1.034)	138709	10.0000	10.648
88	2,3,4,6-Tetrachlorophenol	232	6.983	6.989	(1.039)	143737	10.0000	10.750
92	2-Naphthylamine	143	7.004	7.010	(1.042)	481856	10.0000	10.800
93	Diethylphthalate	149	7.063	7.074	(1.051)	531680	10.0000	10.495
94	Fluorene	166	7.154	7.160	(1.064)	549856	10.0000	10.198
95	4-Chlorophenyl-phenylether	204	7.159	7.160	(1.065)	258555	10.0000	10.465
96	4-Nitroaniline	138	7.159	7.176	(1.065)	131787	10.0000	11.206
98	4,6-Dinitro-2-methylphenol	198	7.191	7.197	(0.910)	172083	20.0000	19.776
99	N-Nitrosodiphenylamine (1)	169	7.250	7.256	(0.918)	382858	10.0000	10.751
100	1,2-Diphenylhydrazine	77	7.282	7.288	(0.922)	598075	10.0000	10.722
106	4-Bromophenyl-phenylether	248	7.544	7.550	(0.955)	157843	10.0000	10.523
107	Hexachlorobenzene	284	7.603	7.603	(0.962)	172905	10.0000	10.410
210	Atrazine	200	7.667	7.678	(0.970)	142125	10.0000	11.260
111	Pentachlorophenol	266	7.752	7.758	(0.981)	207666	20.0000	19.322(QM)
115	Phenanthrene	178	7.918	7.924	(1.002)	932994	10.0000	10.418
116	Anthracene	178	7.961	7.967	(1.007)	945032	10.0000	10.777
119	Carbazole	167	8.084	8.089	(1.023)	884987	10.0000	10.666
120	Di-n-Butylphthalate	149	8.361	8.362	(1.058)	1069545	10.0000	10.595
123	Fluoranthene	202	8.863	8.869	(1.122)	1006021	10.0000	10.714
124	Benzidine	184	8.965	8.966	(0.896)	414557	10.0000	8.9166
125	Pyrene	202	9.045	9.051	(0.904)	1082004	10.0000	10.100
131	Butylbenzylphthalate	149	9.542	9.543	(0.954)	496519	10.0000	10.397
135	3,3'-Dichlorobenzidine	252	9.964	9.970	(0.996)	323590	10.0000	9.3874
136	Benzo(a)Anthracene	228	9.991	9.997	(0.999)	929482	10.0000	10.106
137	Chrysene	228	10.023	10.029	(1.002)	1026107	10.0000	10.153
139	bis(2-ethylhexyl)Phthalate	149	9.991	9.991	(0.999)	653899	10.0000	10.579
140	Di-n-octylphthalate	149	10.530	10.536	(0.928)	1017597	10.0000	9.4375(M)
141	Benzo(b)fluoranthene	252	10.942	10.958	(0.964)	921976	10.0000	10.246

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
142 Benzo(k)fluoranthene	252	10.968	10.980	(0.967)	1030629	10.0000	10.574(H)
143 7,12-dimethylbenz[a]anthracen	256	10.931	10.942	(0.963)	405827	10.0000	11.160
146 Benzo(a)pyrene	252	11.284	11.295	(0.994)	714007	10.0000	9.6861
149 Indeno(1,2,3-cd)pyrene	276	12.721	12.737	(1.121)	822219	10.0000	9.3682
150 Dibenz(a,h)anthracene	278	12.737	12.759	(1.122)	671559	10.0000	9.1597
151 Benzo(g,h,i)perylene	276	13.127	13.154	(1.157)	730254	10.0000	10.264
$ 154 Nitrobenzene-d5	82	4.750	4.756	(0.892)	163800	10.0000	10.731(A)
$ 155 2-Fluorobiphenyl	172	6.187	6.193	(0.921)	476281	10.0000	10.282(A)
$ 156 Terphenyl-d14	244	9.163	9.163	(0.916)	650681	10.0000	10.283(A)
$ 157 Phenol-d5	99	4.034	4.040	(0.936)	156938	10.0000	10.642
$ 158 2-Fluorophenol	112	3.217	3.217	(0.746)	104365	10.0000	10.461
$ 159 2,4,6-Tribromophenol	330	7.346	7.352	(0.930)	71611	10.0000	10.611
$ 186 2-Chlorophenol-d4	132	4.125	4.131	(0.957)	151349	10.0000	10.608
$ 187 1,2-Dichlorobenzene-d4	152	4.435	4.435	(1.028)	119229	10.0000	10.739(A)

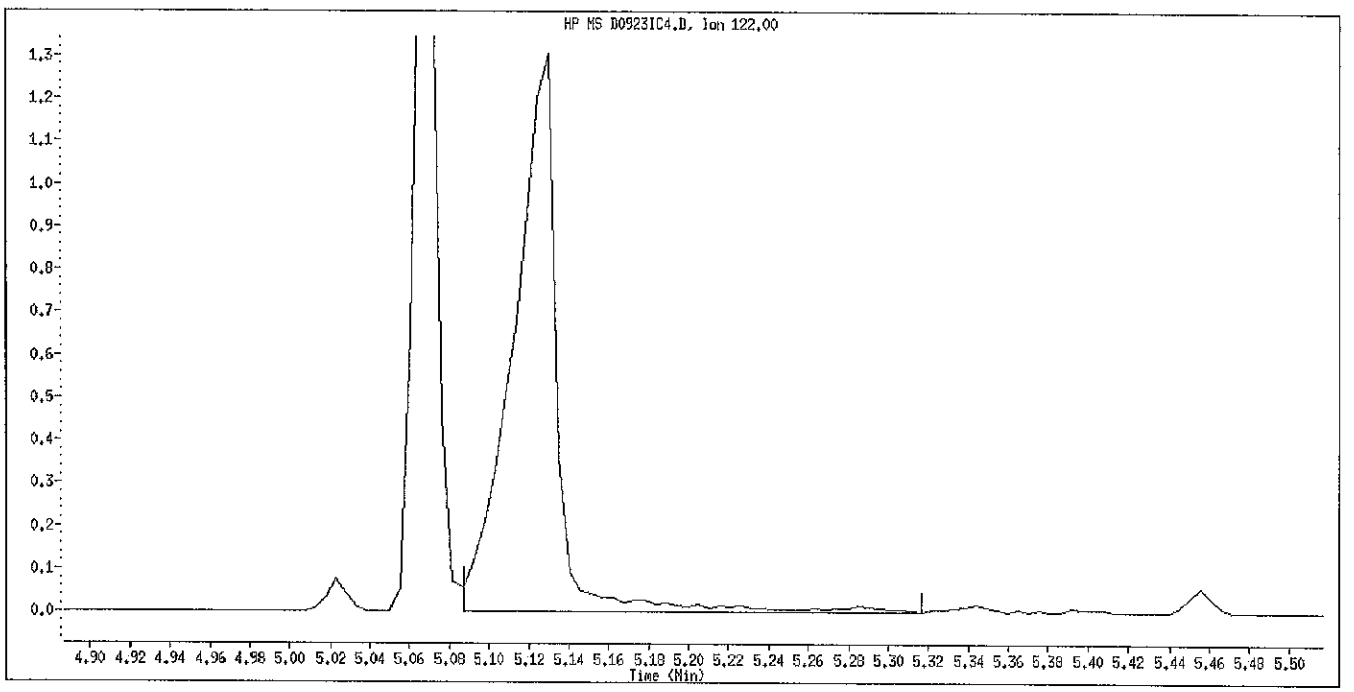
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: D0923IC4.D
Inj. Date and Time: 23-SEP-2010 19:00
Instrument ID: 732.i
Client ID: sstd10
Compound Name: Benzoic Acid
CAS #: 65-85-0



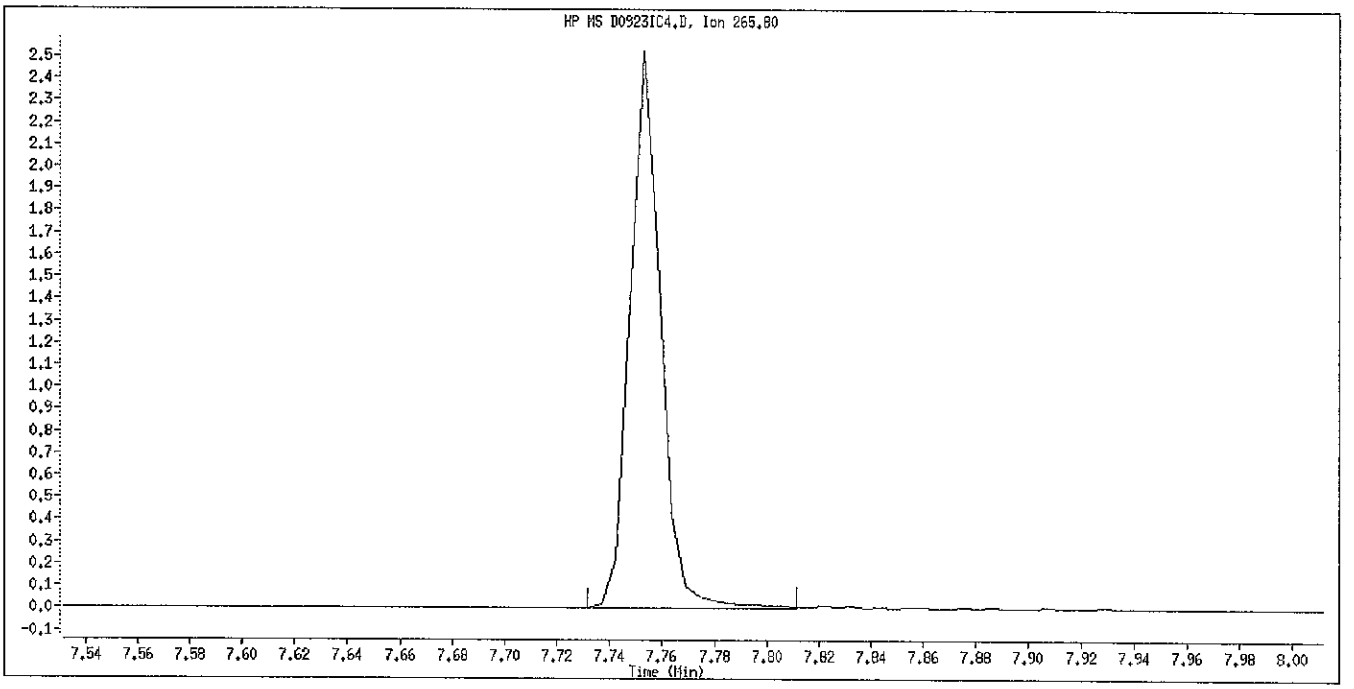
Original Integration



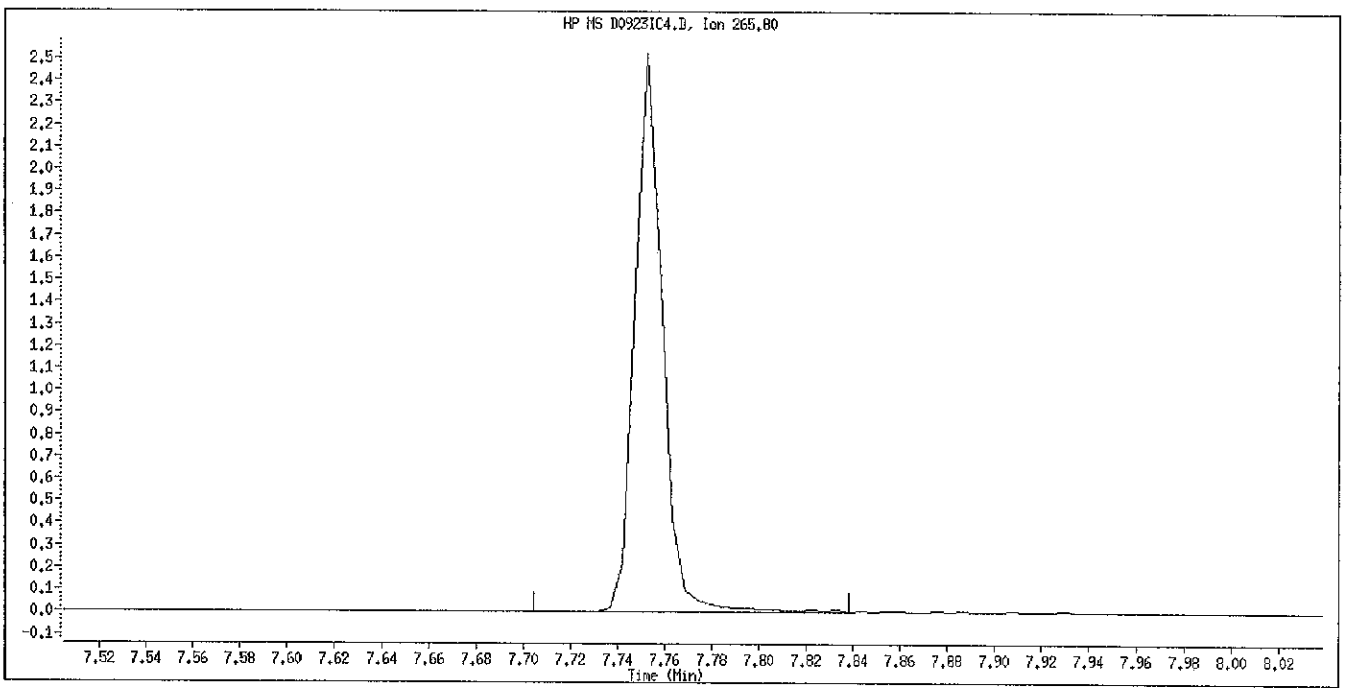
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D0923IC4.D
Inj. Date and Time: 23-SEP-2010 19:00
Instrument ID: 732.i
Client ID: sstd10
Compound Name: Pentachlorophenol
CAS #: 87-86-5



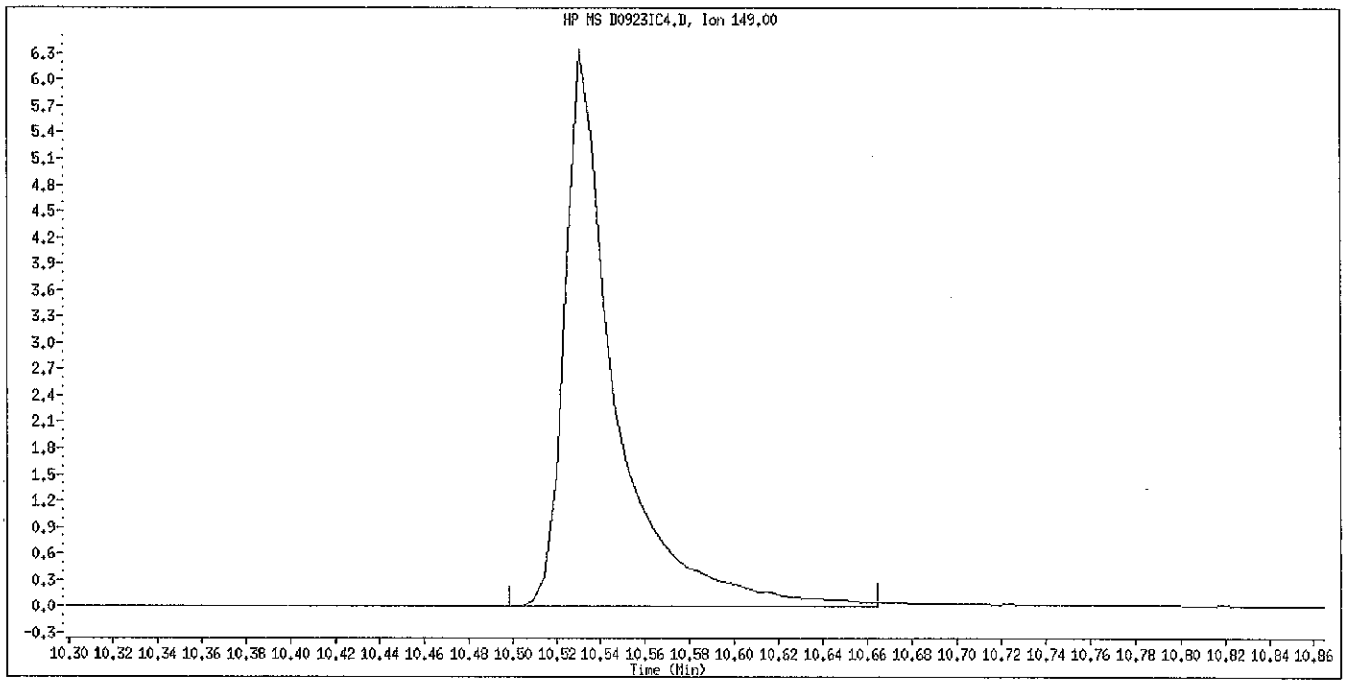
Original Integration



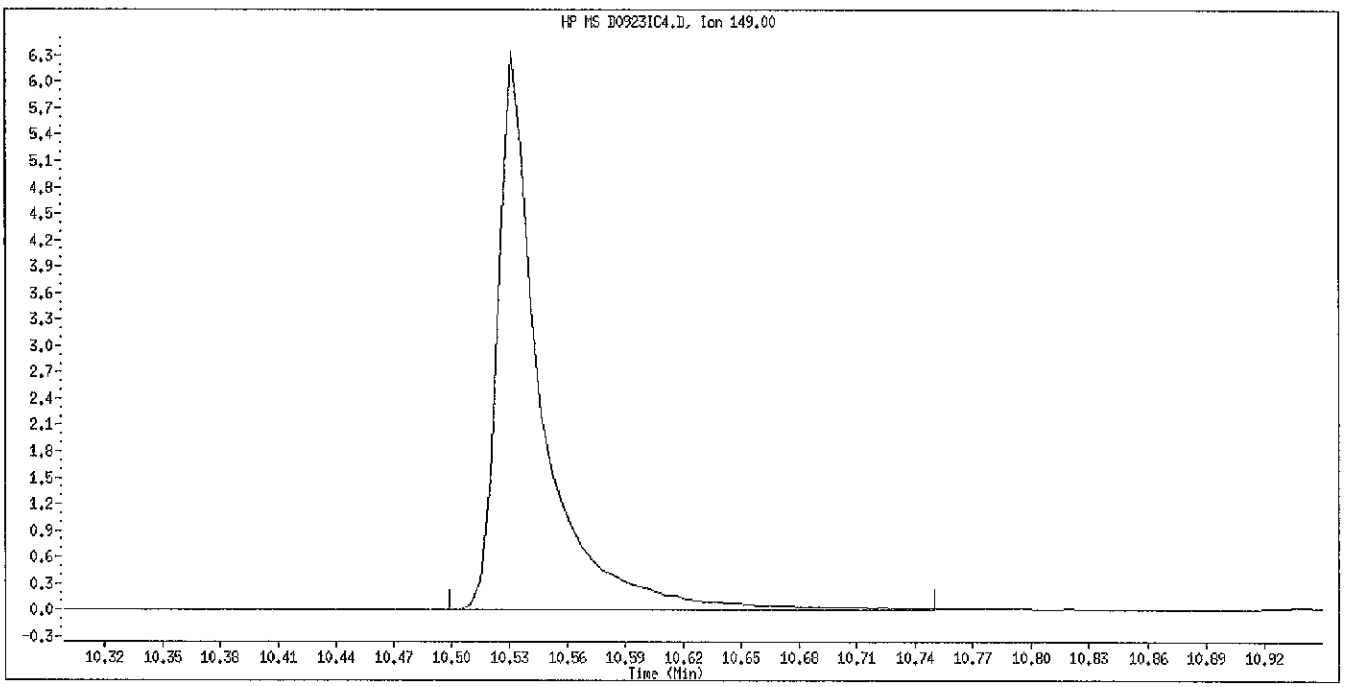
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D0923IC4.D
Inj. Date and Time: 23-SEP-2010 19:00
Instrument ID: 732.i
Client ID: sstd10
Compound Name: Di-n-octylphthalate
CAS #: 117-84-0



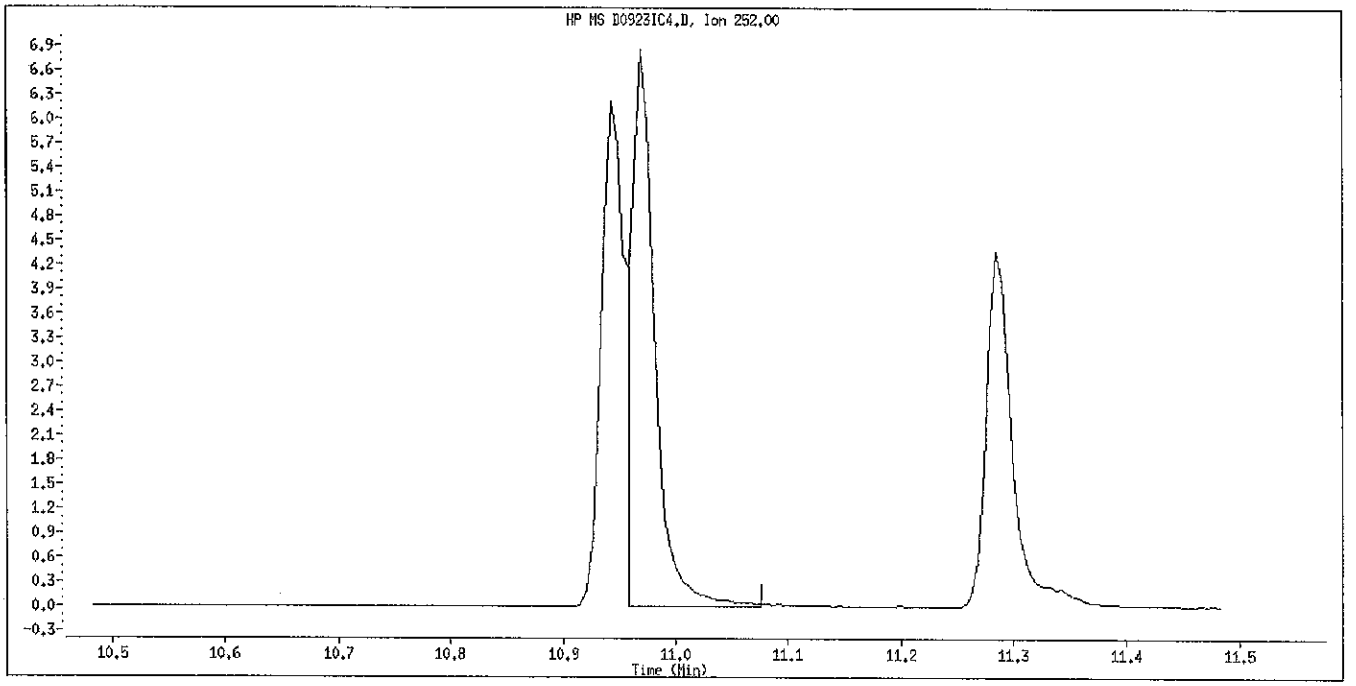
Original Integration



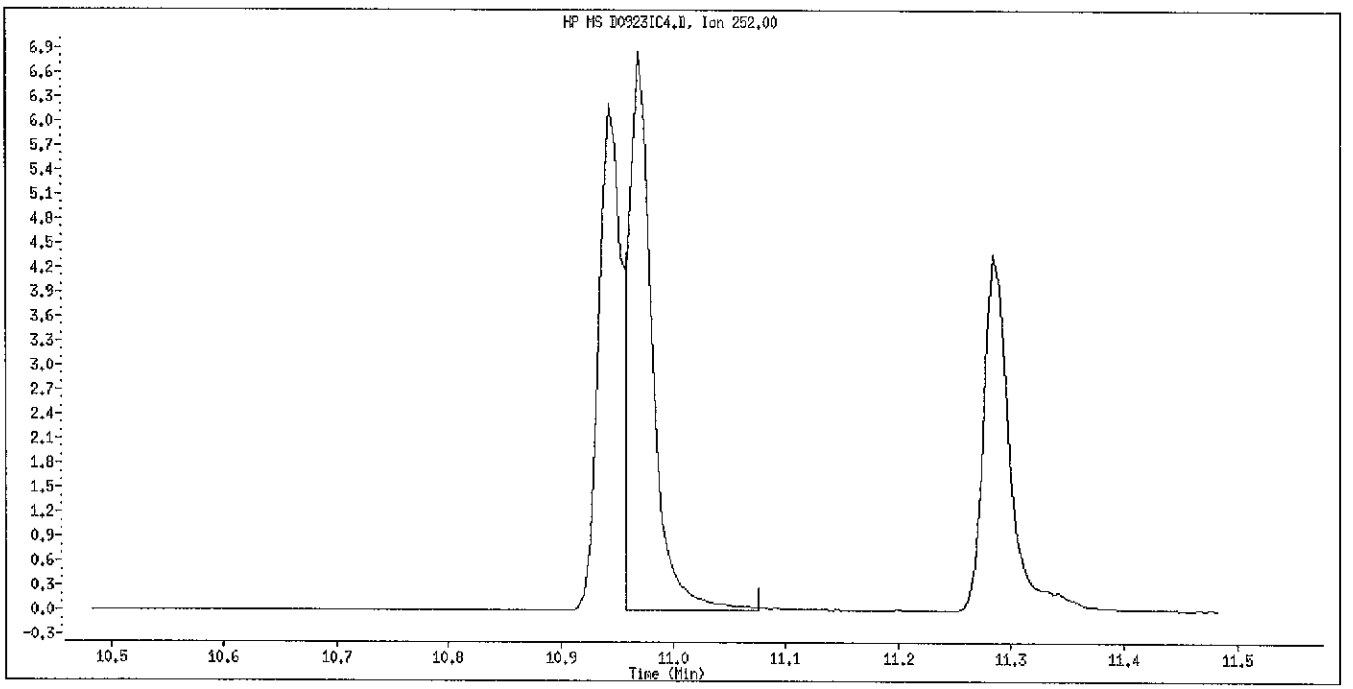
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D0923IC4.D
Inj. Date and Time: 23-SEP-2010 19:00
Instrument ID: 732.i
Client ID: sstd10
Compound Name: Benzo(k)fluoranthene
CAS #: 207-08-9



Original Integration



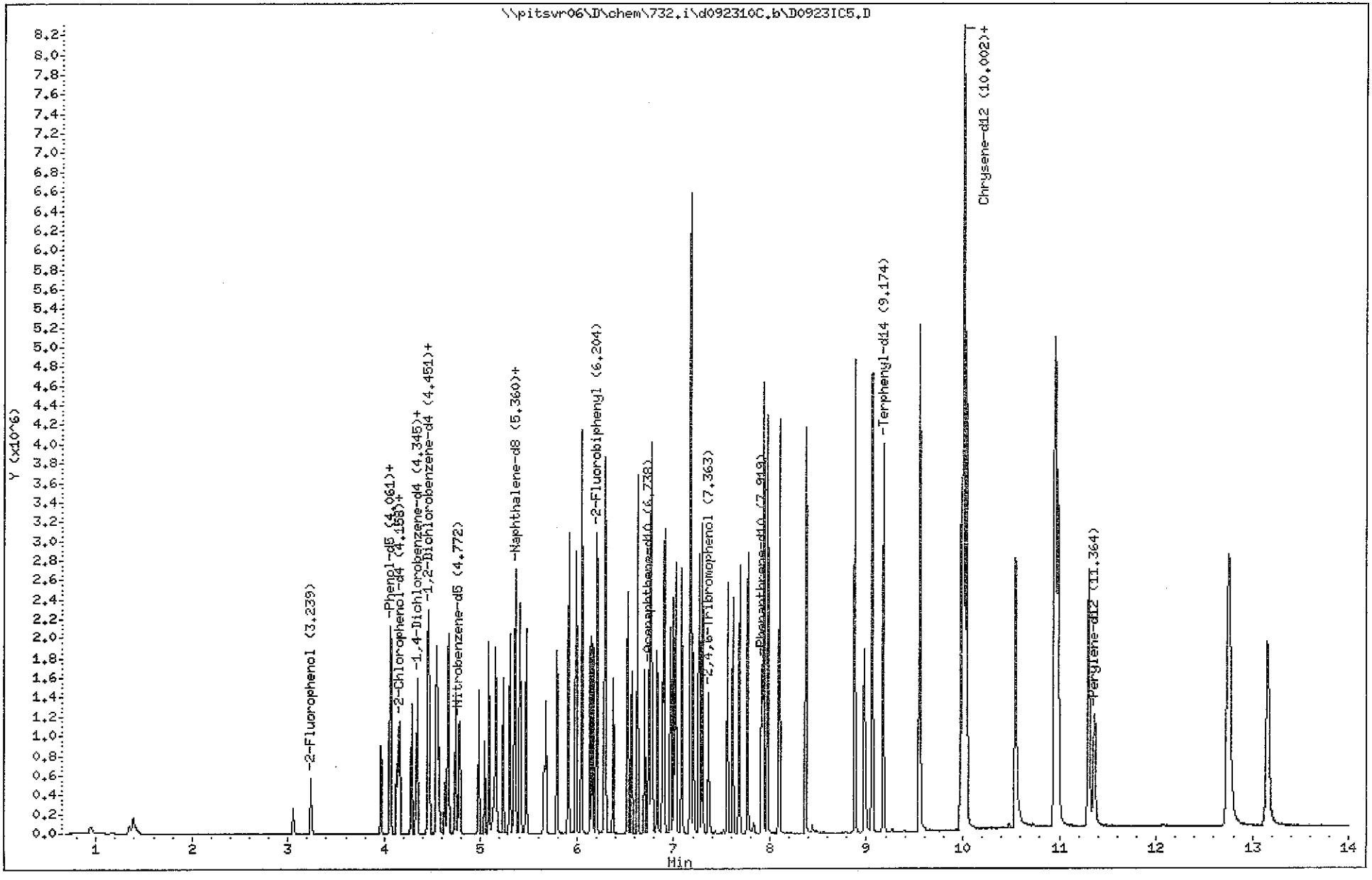
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File: \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC5.D
Date : 23-SEP-2010 19:23
Client ID: sstd20
Sample Info: SSTD20(10ug/ml) BNA0664-10

Instrument: 732.i
Operator: 430261nc
Column diameter: 0.32

Column phase: DB5-MS



Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC5.D
Lab Smp Id: sstd20 Client Smp ID: sstd20
Inj Date : 23-SEP-2010 19:23
Operator : 430261nc Inst ID: 732.i
Smp Info : SSTD20(10ug/ml) BNA0664-10
Misc Info : sstd20,d092310C.b,ll.m,3-root.sub,1,5
Comment :
Method : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Meth Date : 27-Sep-2010 11:57 campisin Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1	1,4-Dichlorobenzene-d4	152	4.333	4.312	(1.000)	91340	8.00000		(Q)
* 2	Naphthalene-d8	136	5.343	5.327	(1.000)	431525	8.00000		
* 3	Acenaphthene-d10	164	6.737	6.722	(1.000)	337275	8.00000		
* 4	Phenanthrene-d10	188	7.918	7.902	(1.000)	605345	8.00000		
* 5	Chrysene-d12	240	10.012	10.007	(1.000)	666108	8.00000		
* 6	Perylene-d12	264	11.364	11.354	(1.000)	610952	8.00000		
198	1,4-Dioxane	88	0.941	0.925	(0.217)	53907	20.0000	18.646	
10	N-Nitrosodimethylamine	74	1.352	1.331	(0.312)	70426	20.0000	19.914	
9	Pyridine	79	1.390	1.364	(0.321)	137927	20.0000	20.092	
16	Methyl methanesulfonate	80	3.051	3.030	(0.704)	102239	20.0000	20.145	
206	Benzaldehyde	77	3.965	3.944	(0.915)	171494	20.0000	21.116	
21	Aniline	93	4.061	4.045	(0.937)	385924	20.0000	19.872	
22	Phenol	94	4.066	4.051	(0.938)	331991	20.0000	19.575	
23	bis(2-Chloroethyl)ether	93	4.125	4.109	(0.952)	244618	20.0000	19.390	
24	2-Chlorophenol	128	4.157	4.142	(0.959)	294889	20.0000	20.056	
26	1,3-Dichlorobenzene	146	4.285	4.264	(0.989)	353927	20.0000	19.450	
27	1,4-Dichlorobenzene	146	4.344	4.328	(1.002)	363711	20.0000	19.566	
28	1,2-Dichlorobenzene	146	4.467	4.446	(1.031)	356852	20.0000	19.652	
29	Benzyl Alcohol	108	4.446	4.430	(1.026)	184628	20.0000	20.753	
217	Indene	116	4.536	4.521	(1.047)	530504	20.0000	20.182	
30	2-Methylphenol	108	4.547	4.537	(1.049)	275059	20.0000	19.833	
31	2,2'-oxybis(1-Chloropropane)	45	4.563	4.548	(1.053)	357784	20.0000	19.834	
36	N-Nitrosopyrrolidine	100	4.627	4.617	(1.068)	130557	20.0000	20.041	
37	Acetophenone	105	4.654	4.638	(1.074)	400889	20.0000	19.599	
32	N-Nitroso-di-n-propylamine	70	4.659	4.649	(1.075)	175892	20.0000	19.716	
192	4-Methylphenol	108	4.670	4.654	(1.078)	273013	20.0000	19.882	
34	Hexachloroethane	117	4.739	4.718	(1.094)	169206	20.0000	20.278	
35	Nitrobenzene	77	4.782	4.772	(0.895)	308237	20.0000	21.375	
41	Isophorone	82	4.980	4.964	(0.932)	567924	20.0000	20.582	
42	2-Nitrophenol	139	5.044	5.028	(0.944)	182153	20.0000	21.019	
43	2,4-Dimethylphenol	107	5.087	5.071	(0.952)	328544	20.0000	21.067	
44	bis(2-Chloroethoxy)methane	93	5.156	5.146	(0.965)	394931	20.0000	20.214	
48	2,4-Dichlorophenol	162	5.231	5.221	(0.979)	313146	20.0000	20.300	

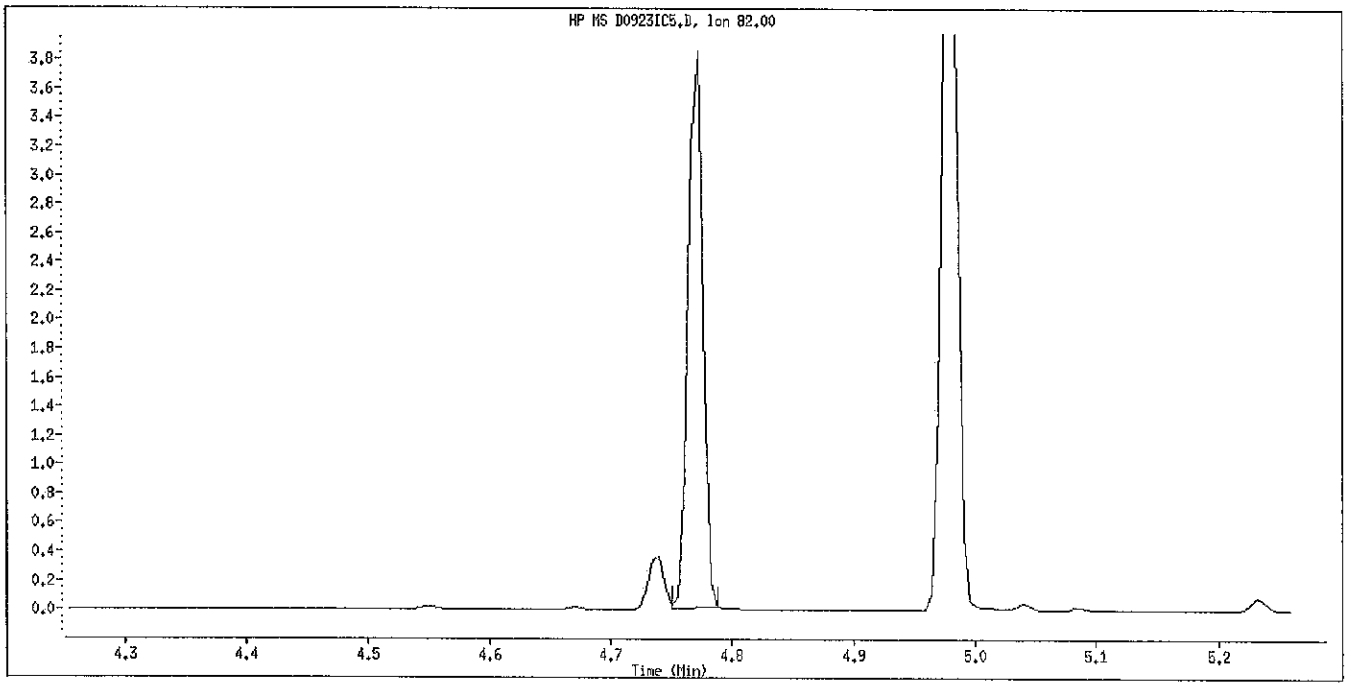
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	5.151	5.162	(0.964)	310238	30.0000	30.397(M)
50 1,2,4-Trichlorobenzene	180	5.300	5.290	(0.992)	362893	20.0000	19.804
51 Naphthalene	128	5.359	5.344	(1.003)	1116798	20.0000	20.204
52 4-Chloroaniline	127	5.402	5.392	(1.011)	469795	20.0000	20.595
54 2,6-Dichlorophenol	162	5.413	5.397	(1.013)	314921	20.0000	20.242
56 Hexachlorobutadiene	225	5.471	5.456	(1.024)	219178	20.0000	20.317(Q)
208 Caprolactam	113	5.658	5.669	(1.059)	109641	20.0000	22.483
59 4-Chloro-3-Methylphenol	107	5.792	5.782	(1.084)	317750	20.0000	20.744(H)
62 2-Methylnaphthalene	142	5.909	5.894	(1.106)	789566	20.0000	20.355
63 1-Methylnaphthalene	142	5.989	5.974	(1.121)	794561	20.0000	20.563
64 Hexachlorocyclopentadiene	237	6.048	6.033	(0.898)	267991	20.0000	21.949
65 1,2,4,5-Tetrachlorobenzene	216	6.048	6.033	(0.898)	391566	20.0000	19.342
66 2,4,6-Trichlorophenol	196	6.139	6.123	(0.911)	281562	20.0000	20.506
67 2,4,5-Trichlorophenol	196	6.166	6.156	(0.915)	298024	20.0000	20.357
209 1,1'-Biphenyl	154	6.283	6.268	(0.933)	1040305	20.0000	19.806
70 2-Chloronaphthalene	162	6.294	6.284	(0.934)	849823	20.0000	19.837
73 2-Nitroaniline	65	6.374	6.359	(0.946)	206271	20.0000	21.384
76 Dimethylphthalate	163	6.524	6.513	(0.968)	909811	20.0000	20.284
78 2,6-Dinitrotoluene	165	6.566	6.556	(0.975)	197509	20.0000	21.159
79 Acenaphthylene	152	6.625	6.610	(0.983)	1425696	20.0000	20.505
81 3-Nitroaniline	138	6.695	6.684	(0.994)	249584	20.0000	20.664
82 Acenaphthene	153	6.764	6.749	(1.004)	865865	20.0000	19.932
83 2,4-Dinitrophenol	184	6.780	6.770	(1.006)	162241	30.0000	29.114
85 4-Nitrophenol	109	6.828	6.823	(1.013)	175105	30.0000	30.592
86 Dibenzofuran	168	6.903	6.887	(1.025)	1284099	20.0000	19.474
87 2,4-Dinitrotoluene	165	6.887	6.877	(1.022)	279909	20.0000	20.752
91 2,3,5,6-Tetrachlorophenol	232	6.967	6.957	(1.034)	259776	20.0000	20.489
88 2,3,4,6-Tetrachlorophenol	232	6.999	6.989	(1.039)	261840	20.0000	20.122
92 2-Naphthylamine	143	7.021	7.010	(1.042)	842504	20.0000	19.403
93 Diethylphthalate	149	7.085	7.074	(1.052)	972844	20.0000	19.731
94 Fluorene	166	7.175	7.160	(1.065)	951503	20.0000	19.490
95 4-Chlorophenyl-phenylether	204	7.175	7.160	(1.065)	441487	20.0000	19.624
96 4-Nitroaniline	138	7.181	7.176	(1.066)	243006	20.0000	21.232
98 4,6-Dinitro-2-methylphenol	198	7.208	7.197	(0.910)	257261	30.0000	31.264
99 N-Nitrosodiphenylamine (1)	169	7.266	7.256	(0.918)	698668	20.0000	20.746
100 1,2-Diphenylhydrazine	77	7.298	7.288	(0.922)	1105211	20.0000	20.952
106 4-Bromophenyl-phenylether	248	7.560	7.550	(0.955)	293515	20.0000	20.691
107 Hexachlorobenzene	284	7.619	7.603	(0.962)	316601	20.0000	20.156
210 Atrazine	200	7.683	7.678	(0.970)	266622	20.0000	22.337
111 Pentachlorophenol	266	7.768	7.758	(0.981)	307258	30.0000	29.949(QM)
115 Phenanthrene	178	7.934	7.924	(1.002)	1700836	20.0000	20.083
116 Anthracene	178	7.977	7.967	(1.007)	1739279	20.0000	20.974
119 Carbazole	167	8.100	8.089	(1.023)	1632510	20.0000	20.806
120 Di-n-Butylphthalate	149	8.372	8.362	(1.057)	2044504	20.0000	21.417
123 Fluoranthene	202	8.880	8.869	(1.121)	1914827	20.0000	21.564
124 Benzidine	184	8.976	8.966	(0.896)	887194	20.0000	20.242
125 Pyrene	202	9.061	9.051	(0.905)	2052148	20.0000	20.320
131 Butylbenzylphthalate	149	9.553	9.543	(0.954)	965773	20.0000	21.452
135 3,3'-Dichlorobenzidine	252	9.975	9.970	(0.996)	665971	20.0000	19.321
136 Benzo(a)Anthracene	228	10.002	9.997	(0.999)	1750720	20.0000	20.193
137 Chrysene	228	10.034	10.029	(1.002)	1930475	20.0000	20.263
139 bis(2-ethylhexyl)Phthalate	149	10.002	9.991	(0.999)	1253131	20.0000	21.506
140 Di-n-octylphthalate	149	10.546	10.536	(0.928)	2261514	20.0000	18.850(M)
141 Benzo(b)fluoranthene	252	10.958	10.958	(0.964)	1910044	20.0000	21.344

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
142 Benzo(k)fluoranthene	252	10.984	10.980	(0.967)	1965215	20.0000	19.724(H)
143 7,12-dimethylbenz[a]anthracen	256	10.947	10.942	(0.963)	814768	20.0000	21.918
146 Benzo(a)pyrene	252	11.300	11.295	(0.994)	1502233	20.0000	19.546
149 Indeno(1,2,3-cd)pyrene	276	12.742	12.737	(1.121)	1783796	20.0000	19.338
150 Dibenz(a,h)anthracene	278	12.763	12.759	(1.123)	1488270	20.0000	19.304
151 Benzo(g,h,i)perylene	276	13.153	13.154	(1.157)	1588293	20.0000	21.840
$ 154 Nitrobenzene-d5	82	4.771	4.756	(0.893)	312692	20.0000	21.210(AH)
$ 155 2-Fluorobiphenyl	172	6.203	6.193	(0.921)	898207	20.0000	19.924(A)
$ 156 Terphenyl-d14	244	9.173	9.163	(0.916)	1233835	20.0000	20.684(A)
$ 157 Phenol-d5	99	4.056	4.040	(0.936)	293084	20.0000	20.015(A)
$ 158 2-Fluorophenol	112	3.238	3.217	(0.747)	200546	20.0000	20.244(A)
$ 159 2,4,6-Tribromophenol	330	7.362	7.352	(0.930)	139842	20.0000	21.911(A)
$ 186 2-Chlorophenol-d4	132	4.146	4.131	(0.957)	282779	20.0000	19.960(A)
$ 187 1,2-Dichlorobenzene-d4	152	4.451	4.435	(1.027)	216361	20.0000	19.626(A)

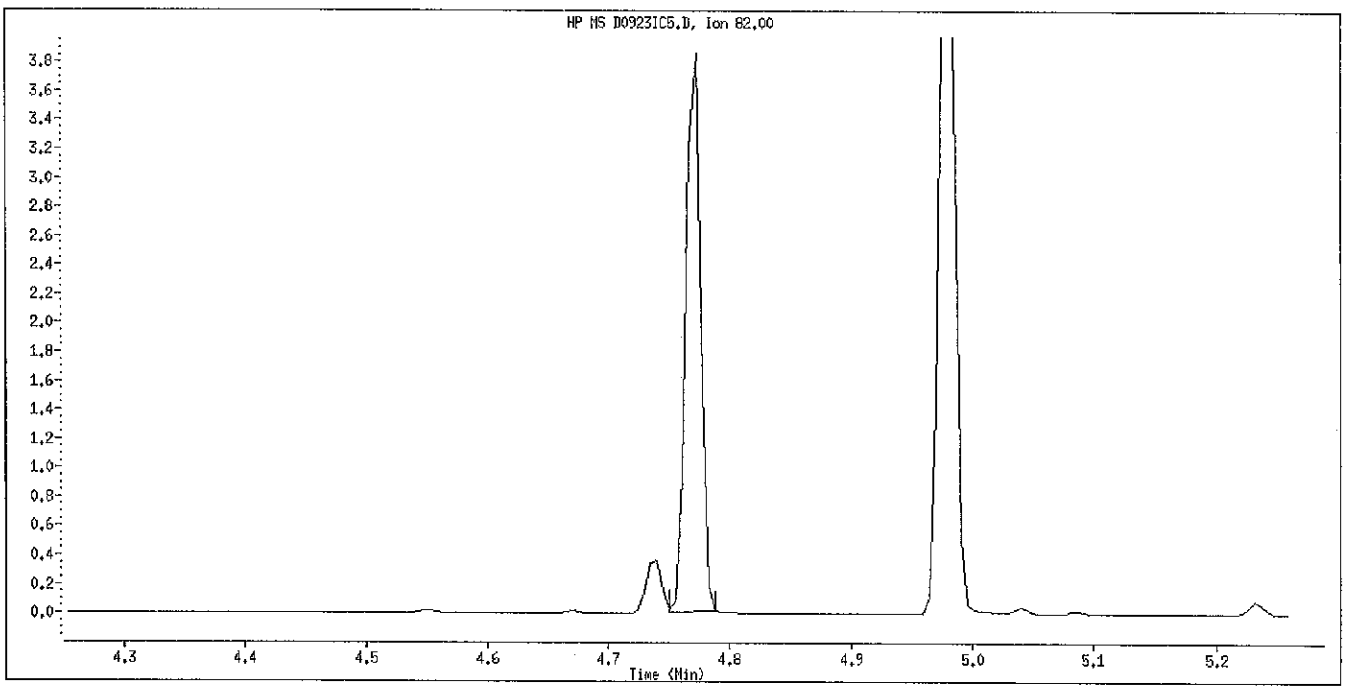
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: D0923IC5.D
Inj. Date and Time: 23-SEP-2010 19:23
Instrument ID: 732.i
Client ID: sstd20
Compound Name: Nitrobenzene-d5
CAS #: 4165-60-0

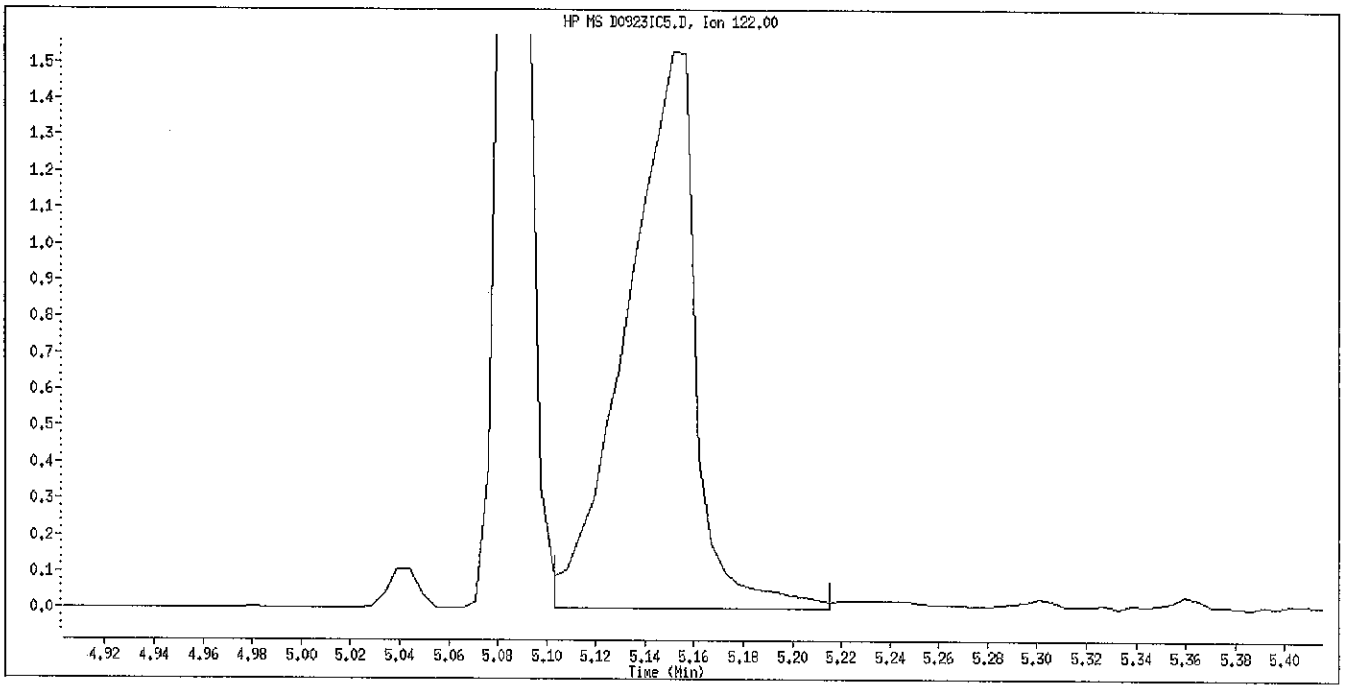


Original Integration

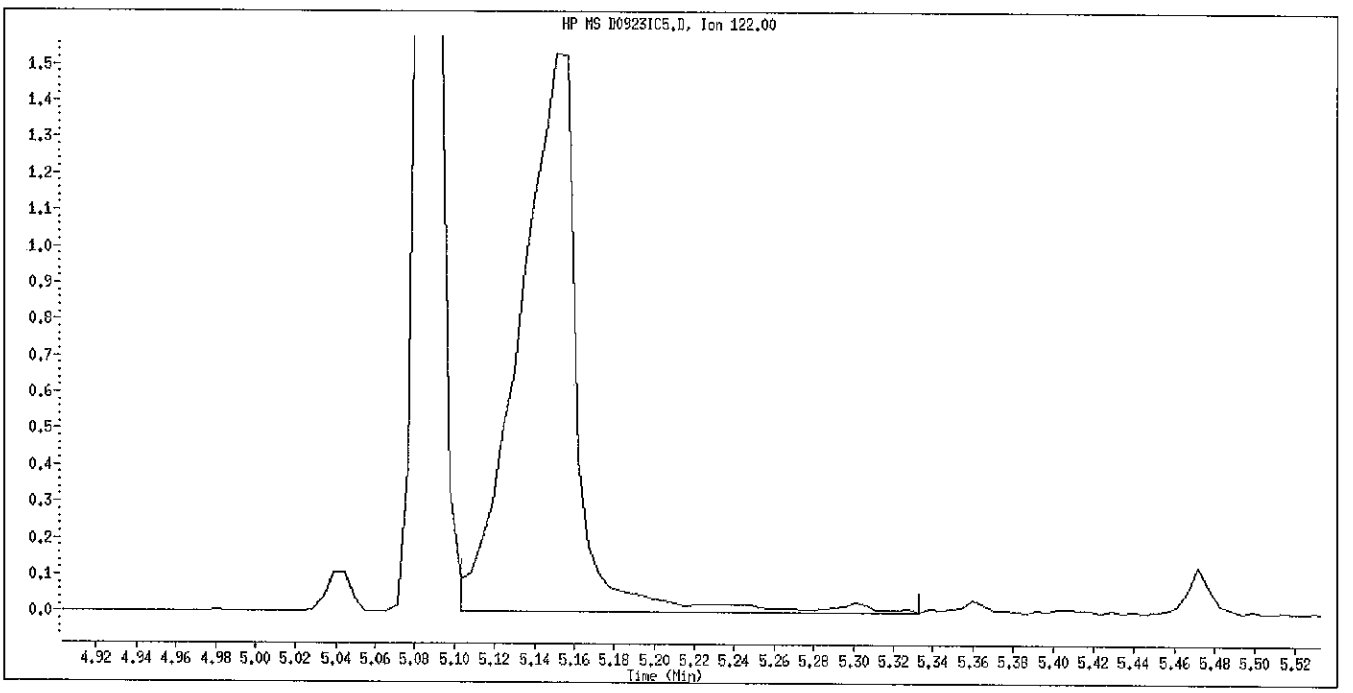


Manual Integration

Data File Name: D0923IC5.D
Inj. Date and Time: 23-SEP-2010 19:23
Instrument ID: 732.i
Client ID: sstd20
Compound Name: Benzoic Acid
CAS #: 65-85-0



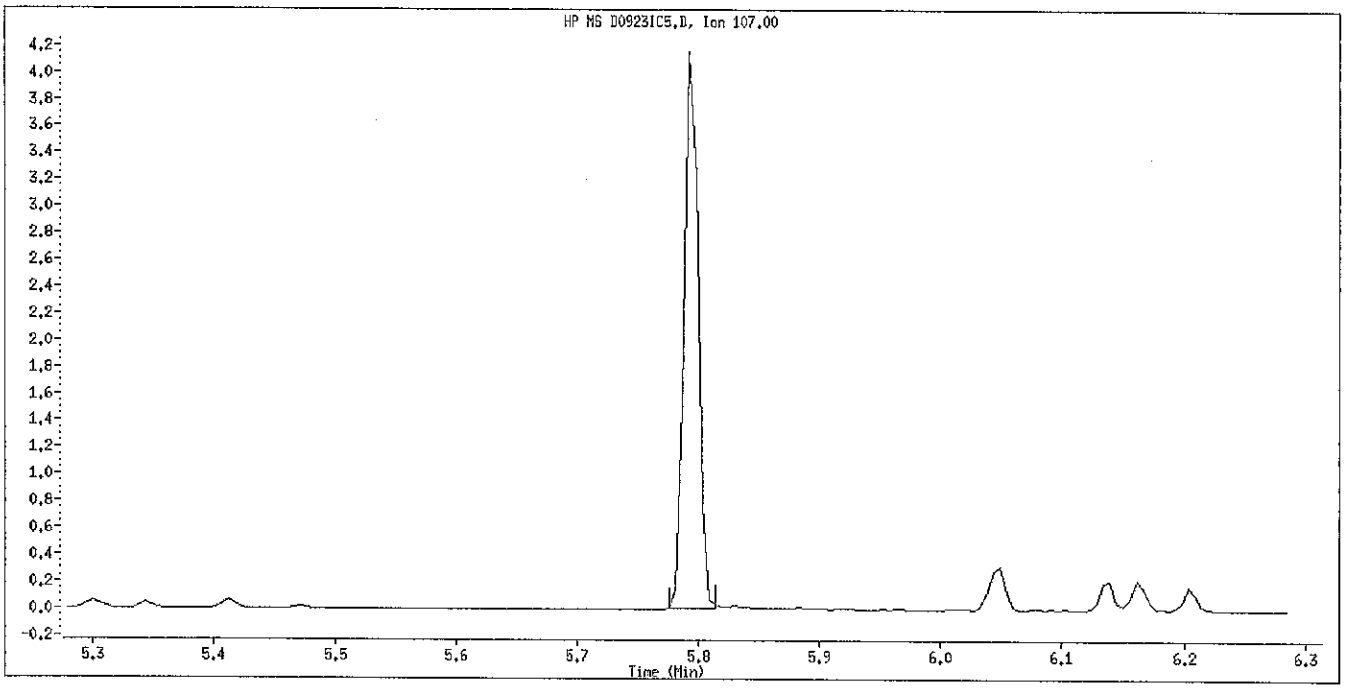
Original Integration



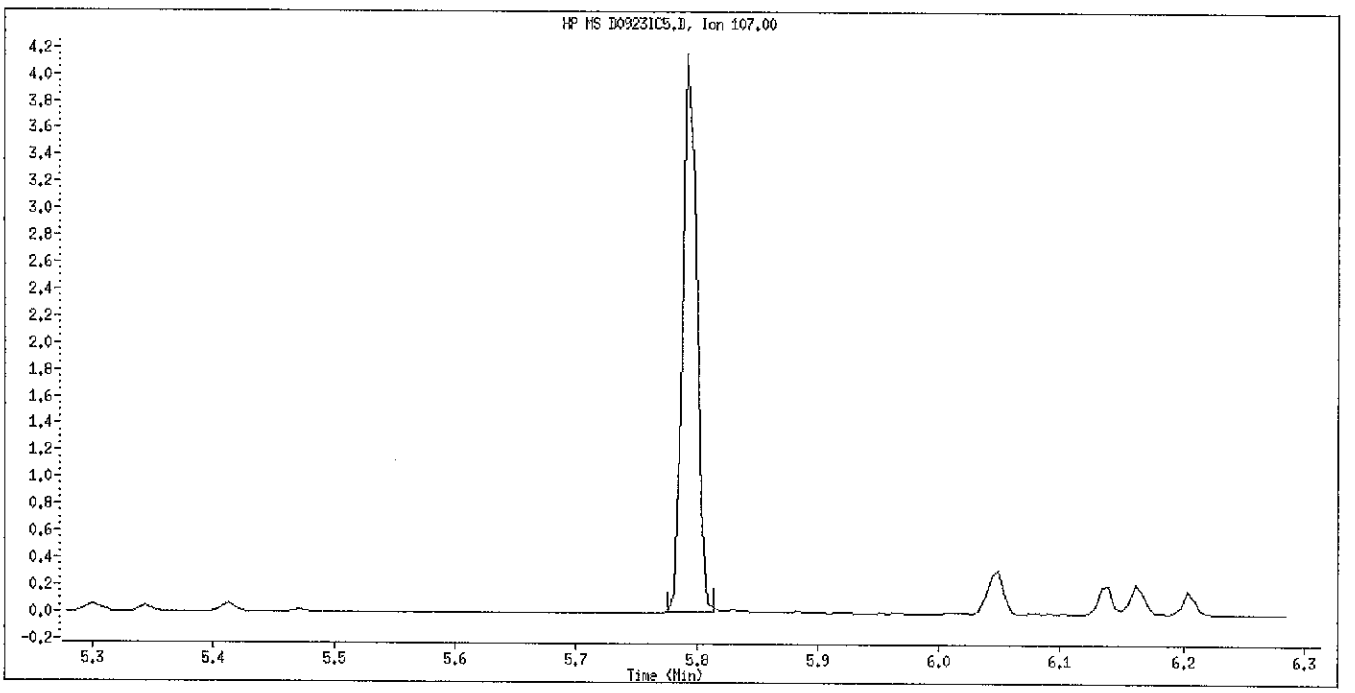
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D0923IC5.D
Inj. Date and Time: 23-SEP-2010 19:23
Instrument ID: 732.i
Client ID: sstd20
Compound Name: 4-Chloro-3-Methylphenol
CAS #: 59-50-7



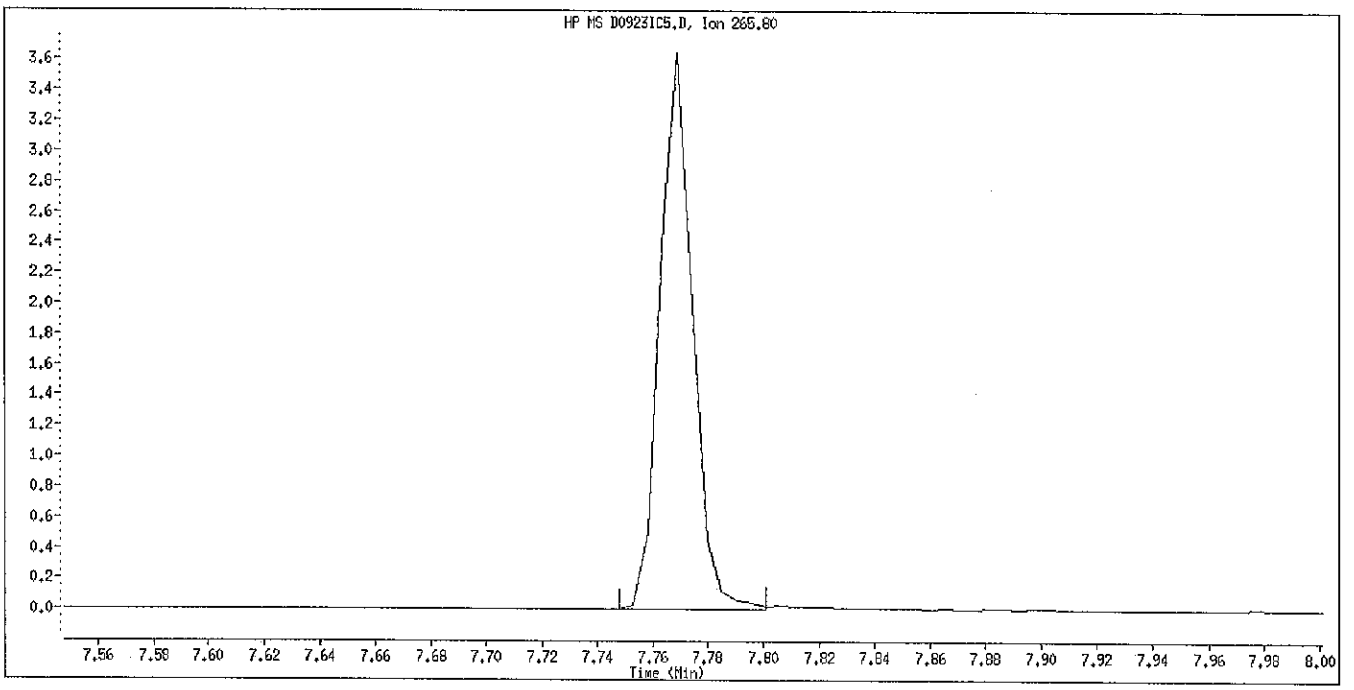
Original Integration



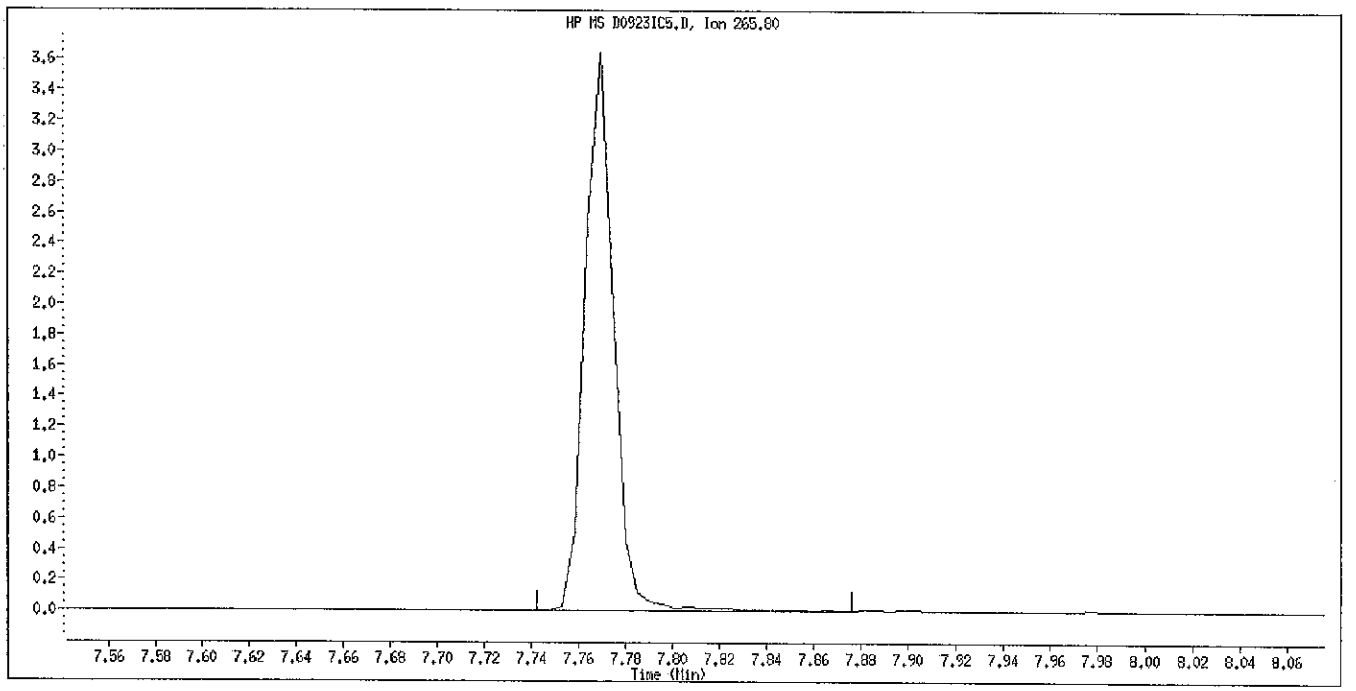
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC5.D
Inj. Date and Time: 23-SEP-2010 19:23
Instrument ID: 732.i
Client ID: sstd20
Compound Name: Pentachlorophenol
CAS #: 87-86-5



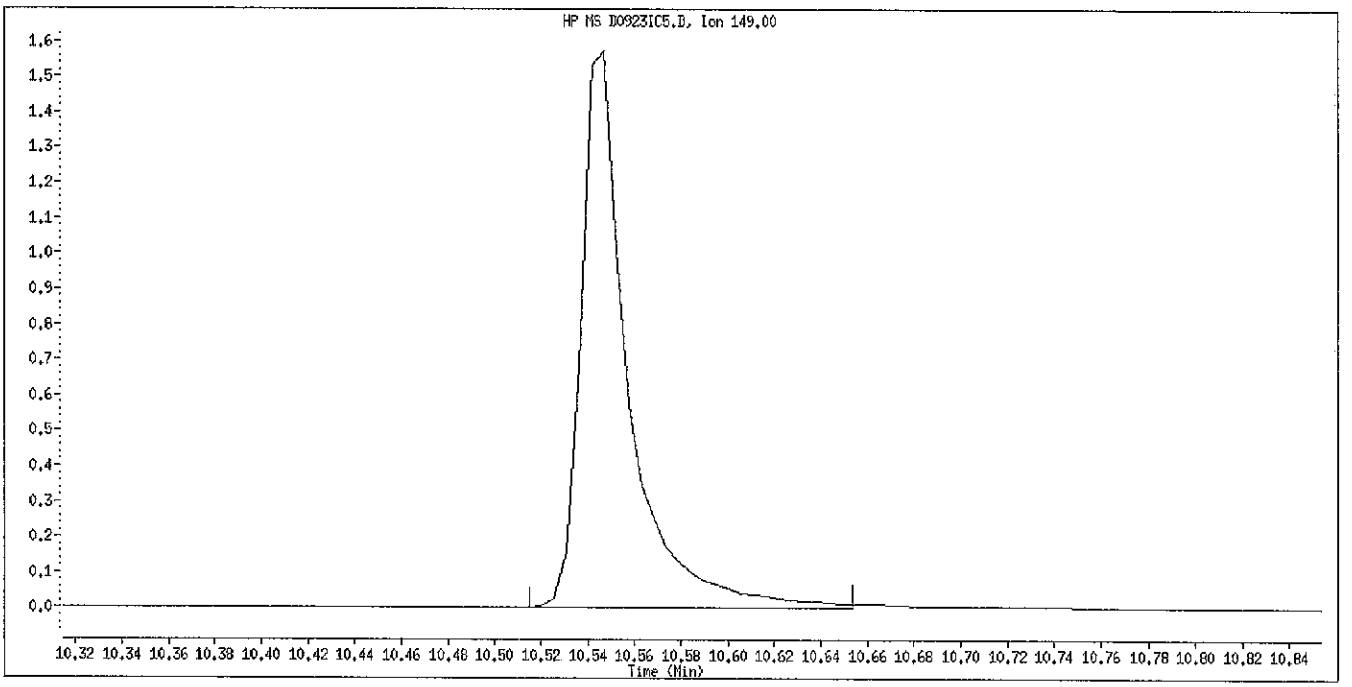
Original Integration



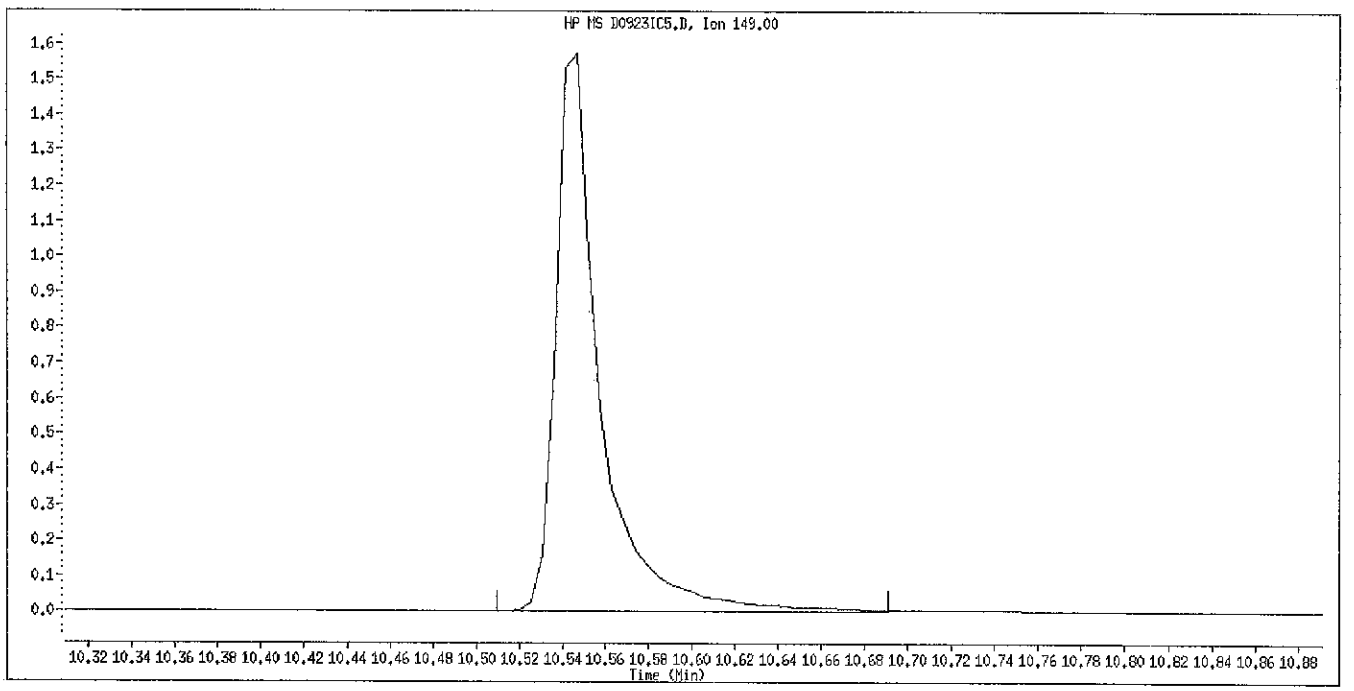
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D0923IC5.D
Inj. Date and Time: 23-SEP-2010 19:23
Instrument ID: 732.i
Client ID: sstd20
Compound Name: Di-n-octylphthalate
CAS #: 117-84-0



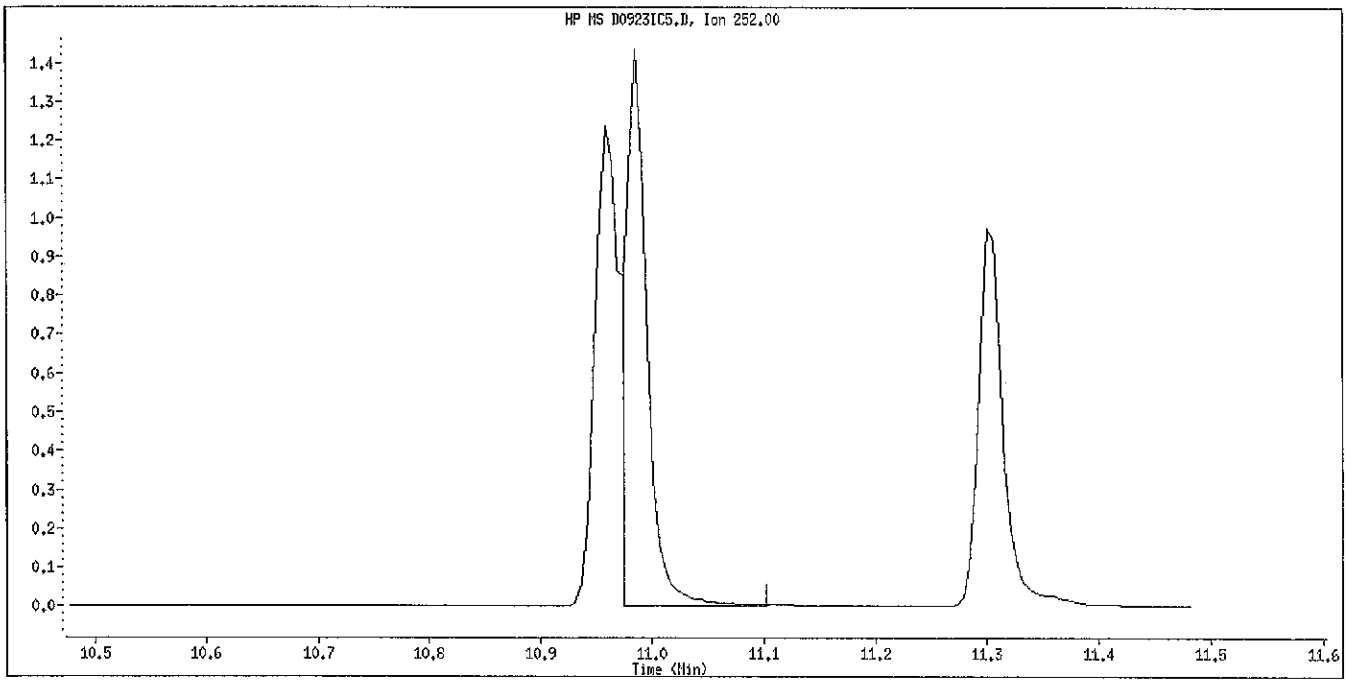
Original Integration



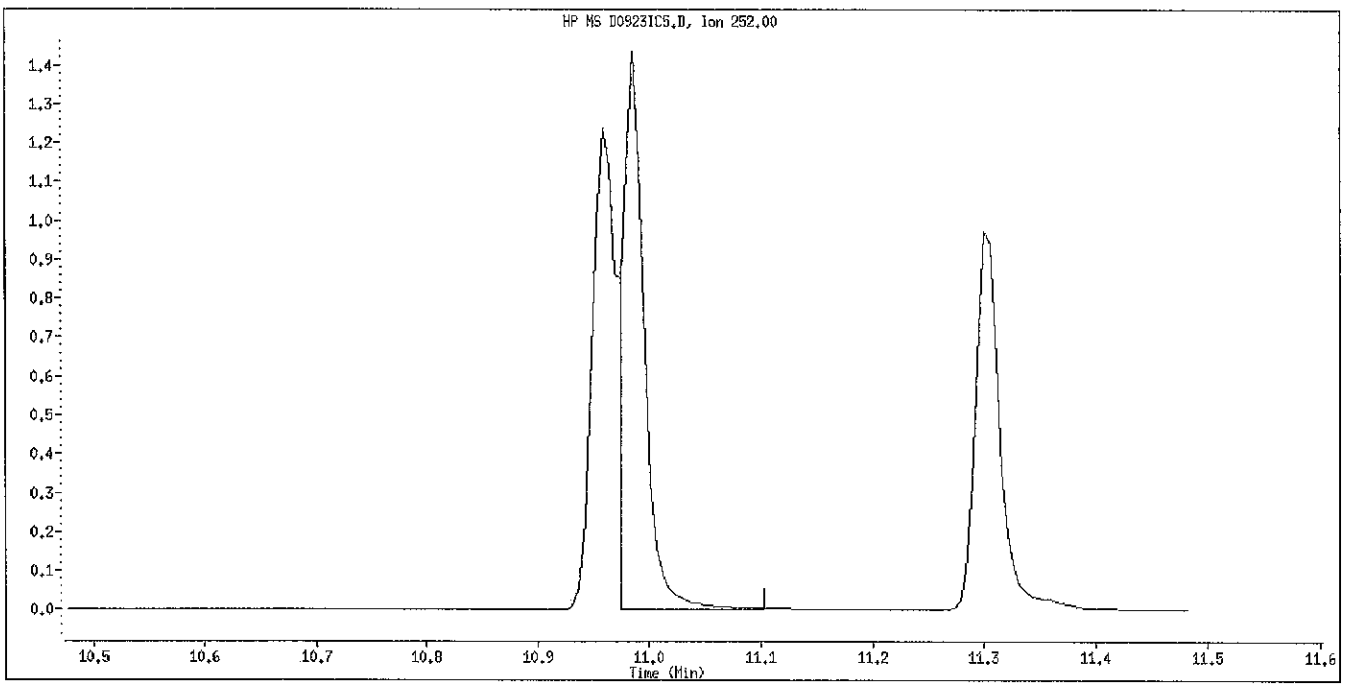
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Unknown

Data File Name: D0923IC5.D
Inj. Date and Time: 23-SEP-2010 19:23
Instrument ID: 732.i
Client ID: sstd20
Compound Name: Benzo(k)fluoranthene
CAS #: 207-08-9



Original Integration

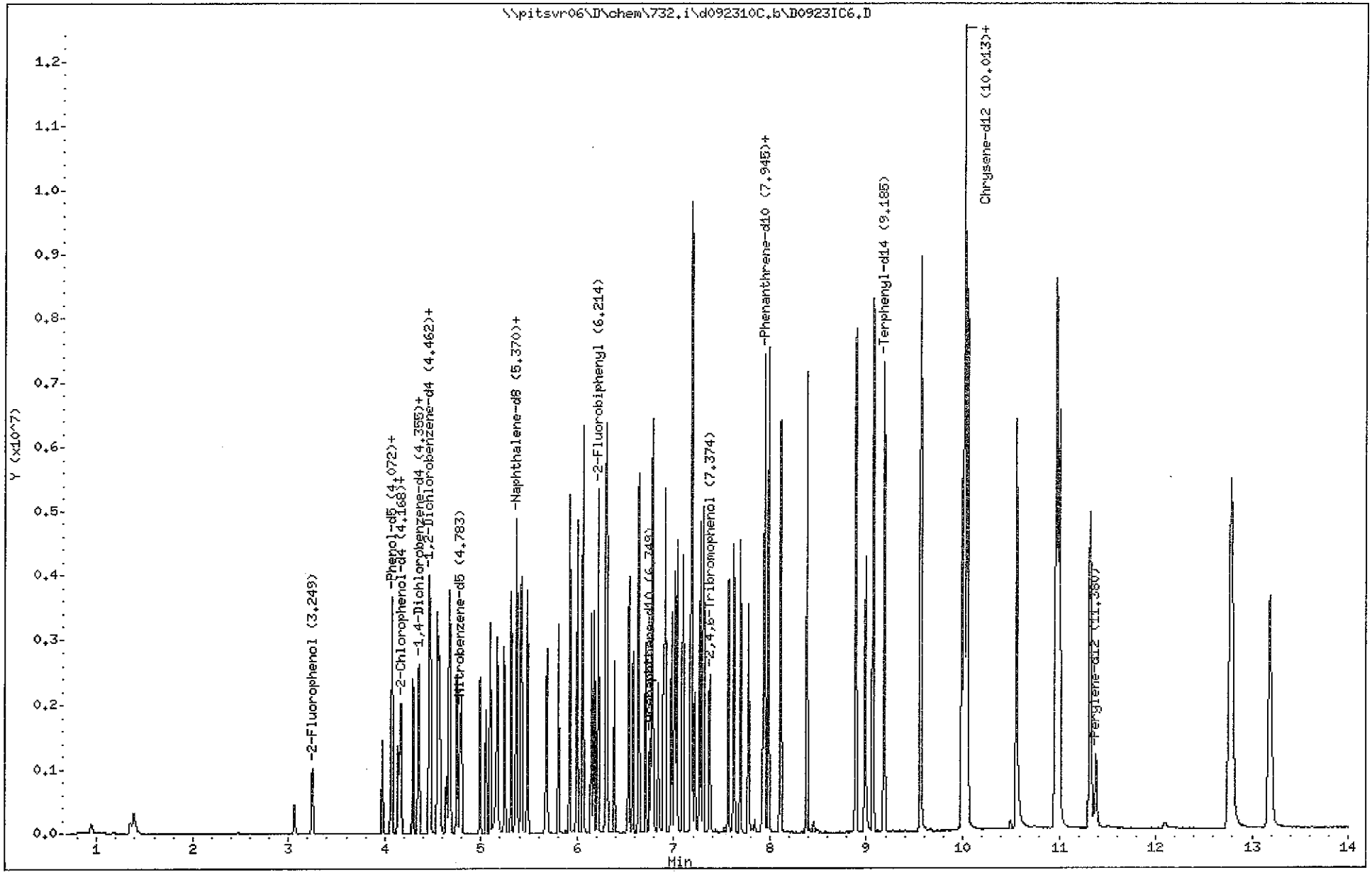


Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File: \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC6.D
Date : 23-SEP-2010 19:49
Client ID: sstd40
Sample Info: SSTD40(20ug/ml) BNA0665-10

Instrument: 732.i
Operator: 430261nc
Column phase: DB5-MS
Column diameter: 0.32



C0K030562 1331 (1001 - 1489)

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC6.D
Lab Smp Id: sstd40 Client Smp ID: sstd40
Inj Date : 23-SEP-2010 19:49
Operator : 430261nc Inst ID: 732.i
Smp Info : SSTD40(20ug/ml) BNA0665-10
Misc Info : sstd40,d092310C.b,ll.m,3-root.sub,1,6
Comment :
Method : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Meth Date : 27-Sep-2010 11:57 campisin Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.339	4.312	(1.000)	85942	8.00000	(Q)
* 2	Naphthalene-d8	136	5.354	5.327	(1.000)	412405	8.00000	
* 3	Acenaphthene-d10	164	6.748	6.722	(1.000)	302773	8.00000	
* 4	Phenanthrene-d10	188	7.923	7.902	(1.000)	562604	8.00000	
* 5	Chrysene-d12	240	10.023	10.007	(1.000)	586688	8.00000	
* 6	Perylene-d12	264	11.380	11.354	(1.000)	594575	8.00000	
198	1,4-Dioxane	88	0.941	0.925	(0.217)	99041	40.0000	36.410
10	N-Nitrosodimethylamine	74	1.352	1.331	(0.312)	134211	40.0000	40.333(A)
9	Pyridine	79	1.390	1.364	(0.320)	263430	40.0000	40.785(A)
16	Methyl methanesulfonate	80	3.062	3.030	(0.706)	190369	40.0000	39.867
206	Benzaldehyde	77	3.975	3.944	(0.916)	266104	40.0000	34.824
21	Aniline	93	4.072	4.045	(0.938)	680540	40.0000	37.244
22	Phenol	94	4.077	4.051	(0.940)	596740	40.0000	37.396
23	bis(2-Chloroethyl)ether	93	4.136	4.109	(0.953)	444474	40.0000	37.446
24	2-Chlorophenol	128	4.168	4.142	(0.961)	537395	40.0000	38.846
26	1,3-Dichlorobenzene	146	4.291	4.264	(0.989)	656033	40.0000	38.316
27	1,4-Dichlorobenzene	146	4.355	4.328	(1.004)	675470	40.0000	38.620
28	1,2-Dichlorobenzene	146	4.472	4.446	(1.031)	647137	40.0000	37.876
29	Benzyl Alcohol	108	4.456	4.430	(1.027)	329310	40.0000	39.341
217	Indene	116	4.547	4.521	(1.048)	946369	40.0000	38.264
30	2-Methylphenol	108	4.558	4.537	(1.050)	488138	40.0000	37.408
31	2,2'-oxybis(1-Chloropropane)	45	4.574	4.548	(1.054)	645659	40.0000	38.042
36	N-Nitrosopyrrolidine	100	4.638	4.617	(1.069)	252653	40.0000	41.220
37	Acetophenone	105	4.665	4.638	(1.075)	711058	40.0000	36.946
32	N-Nitroso-di-n-propylamine	70	4.675	4.649	(1.078)	308701	40.0000	36.775
192	4-Methylphenol	108	4.681	4.654	(1.079)	478901	40.0000	37.065
34	Hexachloroethane	117	4.745	4.718	(1.094)	304197	40.0000	38.746
35	Nitrobenzene	77	4.793	4.772	(0.895)	551454	40.0000	40.015(A)
41	Isophorone	82	4.991	4.964	(0.932)	1026914	40.0000	38.941
42	2-Nitrophenol	139	5.049	5.028	(0.943)	347401	40.0000	41.946(A)
43	2,4-Dimethylphenol	107	5.097	5.071	(0.952)	583769	40.0000	39.168
44	bis(2-Chloroethoxy)methane	93	5.167	5.146	(0.965)	701986	40.0000	37.596
48	2,4-Dichlorophenol	162	5.242	5.221	(0.979)	578503	40.0000	39.241

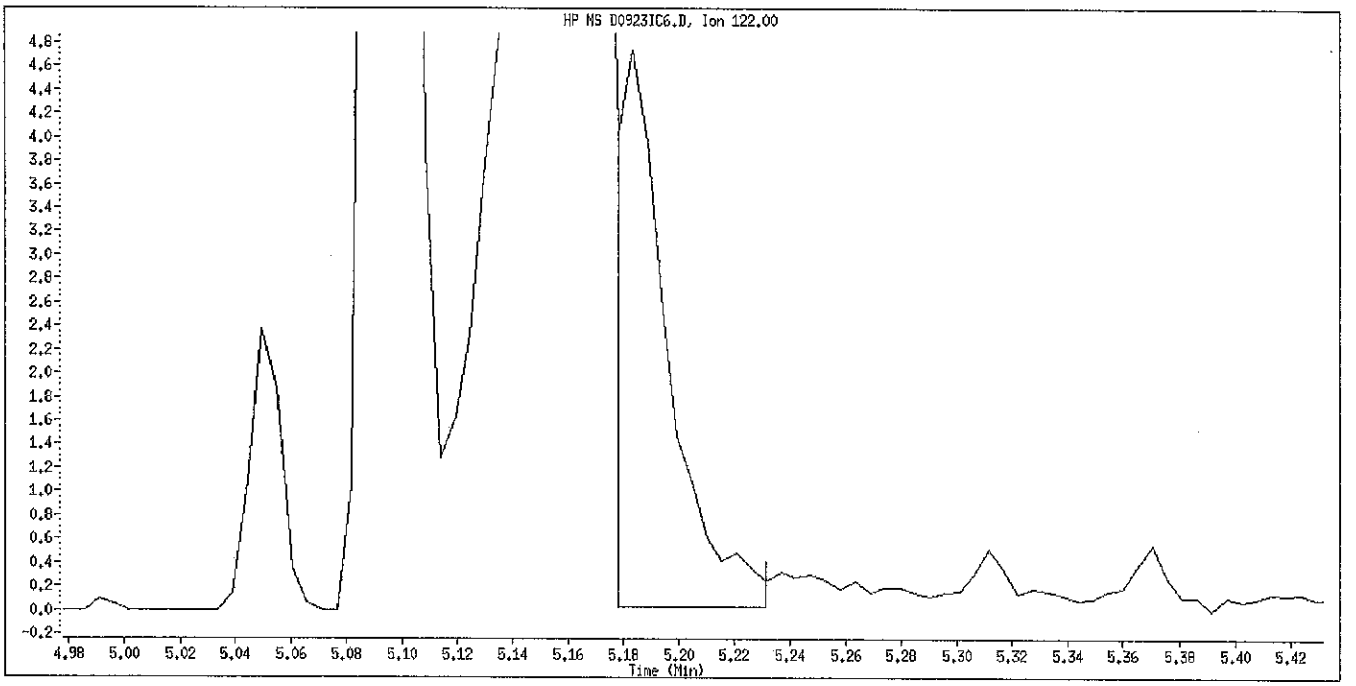
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
49 Benzoic Acid	122	5.167	5.162	(0.965)	403908	40.0000	41.409(AM)
50 1,2,4-Trichlorobenzene	180	5.311	5.290	(0.992)	661486	40.0000	37.772
51 Naphthalene	128	5.370	5.344	(1.003)	2005399	40.0000	37.963
52 4-Chloroaniline	127	5.413	5.392	(1.011)	828265	40.0000	37.993
54 2,6-Dichlorophenol	162	5.423	5.397	(1.013)	559653	40.0000	37.640
56 Hexachlorobutadiene	225	5.482	5.456	(1.024)	389068	40.0000	37.738(Q)
208 Caprolactam	113	5.680	5.669	(1.061)	190400	40.0000	40.854(AQ)
59 4-Chloro-3-Methylphenol	107	5.803	5.782	(1.084)	573628	40.0000	39.185
62 2-Methylnaphthalene	142	5.920	5.894	(1.106)	1376714	40.0000	37.138
63 1-Methylnaphthalene	142	6.000	5.974	(1.121)	1361300	40.0000	36.863
64 Hexachlorocyclopentadiene	237	6.059	6.033	(0.898)	474807	40.0000	43.318(A)
65 1,2,4,5-Tetrachlorobenzene	216	6.059	6.033	(0.898)	665619	40.0000	36.626
66 2,4,6-Trichlorophenol	196	6.150	6.123	(0.911)	503656	40.0000	40.861(A)
67 2,4,5-Trichlorophenol	196	6.176	6.156	(0.915)	522419	40.0000	39.750
209 1,1'-Biphenyl	154	6.294	6.268	(0.933)	1784586	40.0000	37.848
70 2-Chloronaphthalene	162	6.305	6.284	(0.934)	1469482	40.0000	38.210
73 2-Nitroaniline	65	6.385	6.359	(0.946)	365393	40.0000	42.196(A)
76 Dimethylphthalate	163	6.534	6.513	(0.968)	1597082	40.0000	39.664
78 2,6-Dinitrotoluene	165	6.577	6.556	(0.975)	373090	40.0000	44.523(A)
79 Acenaphthylene	152	6.636	6.610	(0.983)	2488231	40.0000	39.865
81 3-Nitroaniline	138	6.705	6.684	(0.994)	451471	40.0000	41.638(A)
82 Acenaphthene	153	6.775	6.749	(1.004)	1473482	40.0000	37.785
83 2,4-Dinitrophenol	184	6.791	6.770	(1.006)	213751	40.0000	40.407(AQ)
85 4-Nitrophenol	109	6.839	6.823	(1.013)	216498	40.0000	42.134(A)
86 Dibenzofuran	168	6.908	6.887	(1.024)	2241912	40.0000	37.874
87 2,4-Dinitrotoluene	165	6.892	6.877	(1.021)	508193	40.0000	41.970(A)
91 2,3,5,6-Tetrachlorophenol	232	6.978	6.957	(1.034)	471846	40.0000	41.457(A)
88 2,3,4,6-Tetrachlorophenol	232	7.010	6.989	(1.039)	464122	40.0000	39.730
92 2-Naphthylamine	143	7.031	7.010	(1.042)	1370440	40.0000	35.158
93 Diethylphthalate	149	7.095	7.074	(1.051)	1730993	40.0000	39.109
94 Fluorene	166	7.181	7.160	(1.064)	1570224	40.0000	40.499(A)
95 4-Chlorophenyl-phenylether	204	7.181	7.160	(1.064)	726137	40.0000	39.873
96 4-Nitroaniline	138	7.192	7.176	(1.066)	422749	40.0000	41.145(A)
98 4,6-Dinitro-2-methylphenol	198	7.218	7.197	(0.911)	317363	40.0000	41.498(A)
99 N-Nitrosodiphenylamine (1)	169	7.272	7.256	(0.918)	1248557	40.0000	39.892
100 1,2-Diphenylhydrazine	77	7.309	7.288	(0.922)	1935829	40.0000	39.487
106 4-Bromophenyl-phenylether	248	7.571	7.550	(0.956)	525801	40.0000	39.882
107 Hexachlorobenzene	284	7.624	7.603	(0.962)	550943	40.0000	37.739
210 Atrazine	200	7.694	7.678	(0.971)	472125	40.0000	42.559(A)
111 Pentachlorophenol	266	7.779	7.758	(0.982)	383494	40.0000	40.298(AQM)
115 Phenanthrene	178	7.945	7.924	(1.003)	3009155	40.0000	38.231
116 Anthracene	178	7.982	7.967	(1.007)	3074523	40.0000	39.893
119 Carbazole	167	8.110	8.089	(1.024)	2922360	40.0000	40.074(A)
120 Di-n-Butylphthalate	149	8.383	8.362	(1.058)	3704340	40.0000	41.752(A)
123 Fluoranthene	202	8.890	8.869	(1.122)	3460779	40.0000	41.934(A)
124 Benzidine	184	8.987	8.966	(0.897)	1725462	40.0000	44.698(A)
125 Pyrene	202	9.072	9.051	(0.905)	3657247	40.0000	41.116(A)
131 Butylbenzylphthalate	149	9.563	9.543	(0.954)	1684724	40.0000	42.488(A)
135 3,3'-Dichlorobenzidine	252	9.986	9.970	(0.996)	1256889	40.0000	40.168(A)
136 Benzo(a)Anthracene	228	10.018	9.997	(0.999)	3236441	40.0000	42.382(A)
137 Chrysene	228	10.044	10.029	(1.002)	3355105	40.0000	39.983
139 bis(2-ethylhexyl)Phthalate	149	10.012	9.991	(0.999)	2180540	40.0000	42.489(A)
140 Di-n-octylphthalate	149	10.557	10.536	(0.928)	4622462	40.0000	40.207(AM)
141 Benzo(b)fluoranthene	252	10.974	10.958	(0.964)	3480520	40.0000	41.998(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
142 Benzo(k)fluoranthene	252	11.001	10.980	(0.967)	3671961	40.0000	37.870(H)
143 7,12-dimethylbenz[a]anthracen	256	10.963	10.942	(0.963)	1465683	40.0000	40.515(A)
146 Benzo(a)pyrene	252	11.321	11.295	(0.995)	2922574	40.0000	40.136(A)
149 Indeno(1,2,3-cd)pyrene	276	12.769	12.737	(1.122)	3553212	40.0000	40.386(A)
150 Dibenz(a,h)anthracene	278	12.790	12.759	(1.124)	2896808	40.0000	39.926
151 Benzo(g,h,i)perylene	276	13.186	13.154	(1.159)	3160465	40.0000	44.655(A)
$ 154 Nitrobenzene-d5	82	4.777	4.756	(0.892)	567990	40.0000	40.313(A)
$ 155 2-Fluorobiphenyl	172	6.214	6.193	(0.921)	1575263	40.0000	38.925(A)
$ 156 Terphenyl-d14	244	9.184	9.163	(0.916)	2193301	40.0000	41.746(A)
$ 157 Phenol-d5	99	4.066	4.040	(0.937)	526324	40.0000	38.201(A)
$ 158 2-Fluorophenol	112	3.249	3.217	(0.749)	372339	40.0000	39.945(A)
$ 159 2,4,6-Tribromophenol	330	7.373	7.352	(0.931)	249670	40.0000	42.092(A)
$ 186 2-Chlorophenol-d4	132	4.157	4.131	(0.958)	522969	40.0000	39.232(A)
$ 187 1,2-Dichlorobenzene-d4	152	4.462	4.435	(1.028)	383012	40.0000	36.925(A)

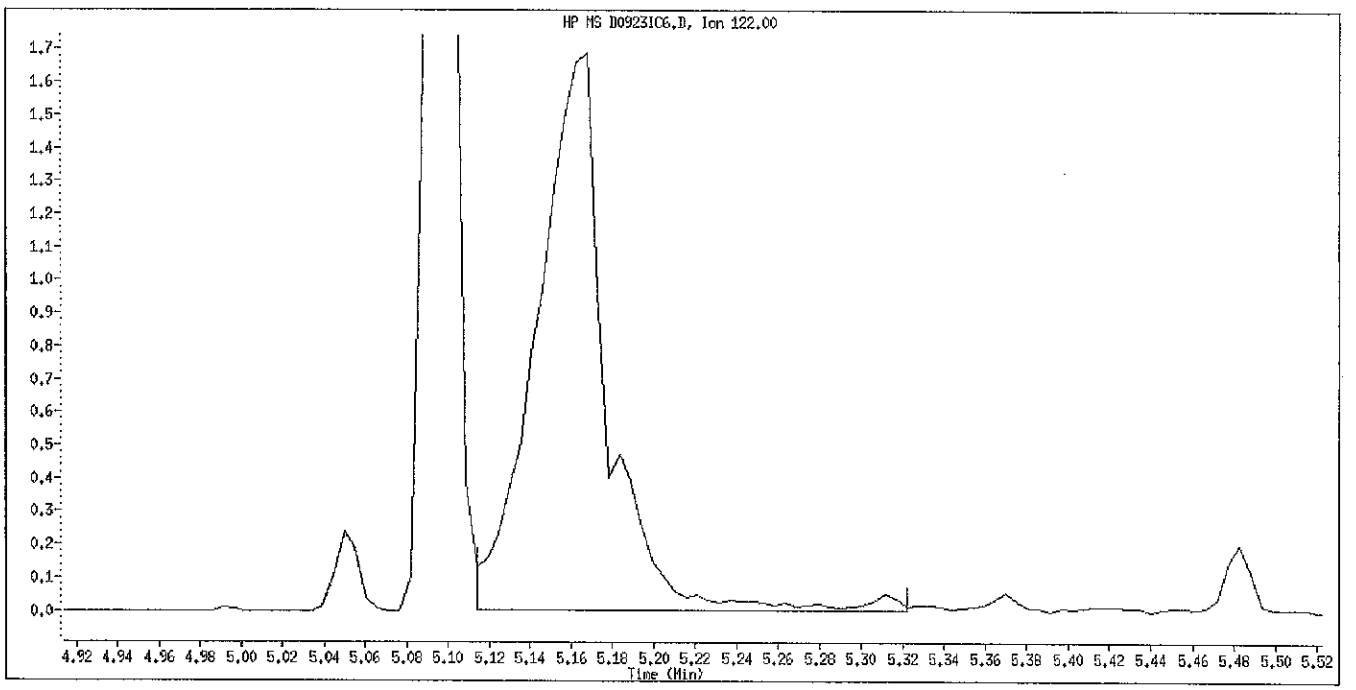
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: D0923IC6.D
Inj. Date and Time: 23-SEP-2010 19:49
Instrument ID: 732.i
Client ID: sstd40
Compound Name: Benzoic Acid
CAS #: 65-85-0



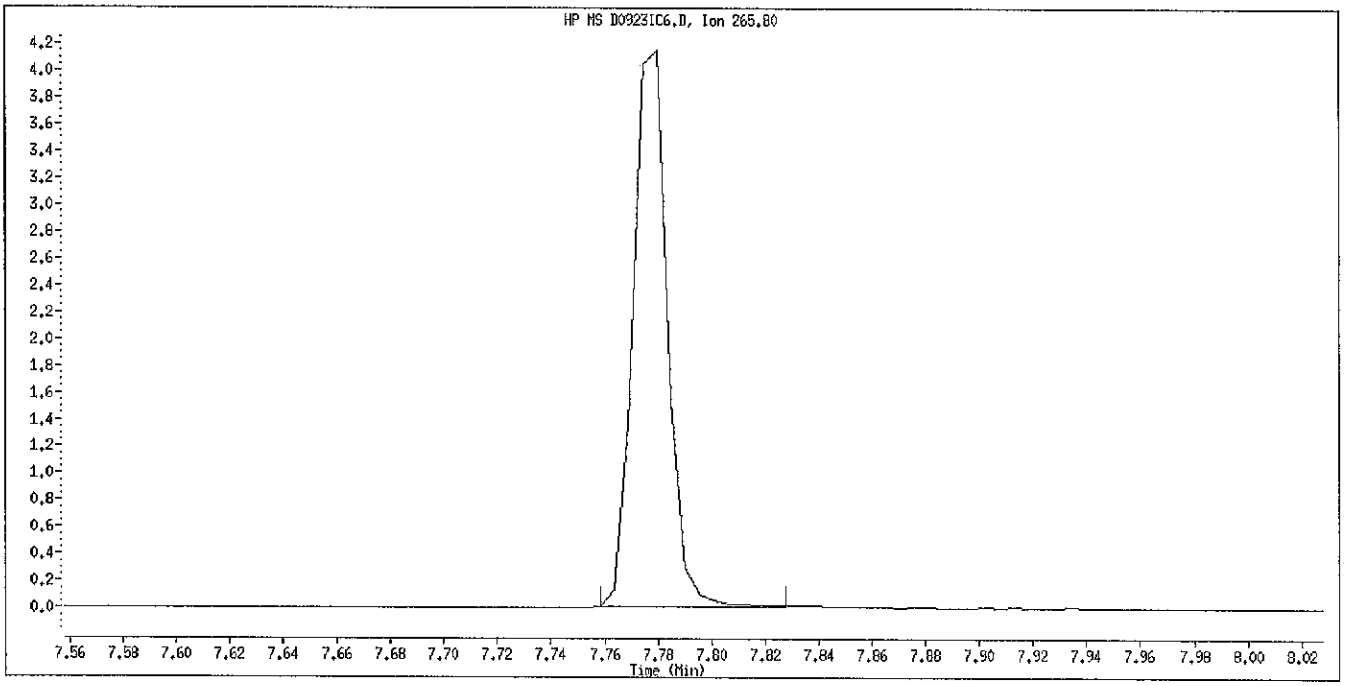
Original Integration



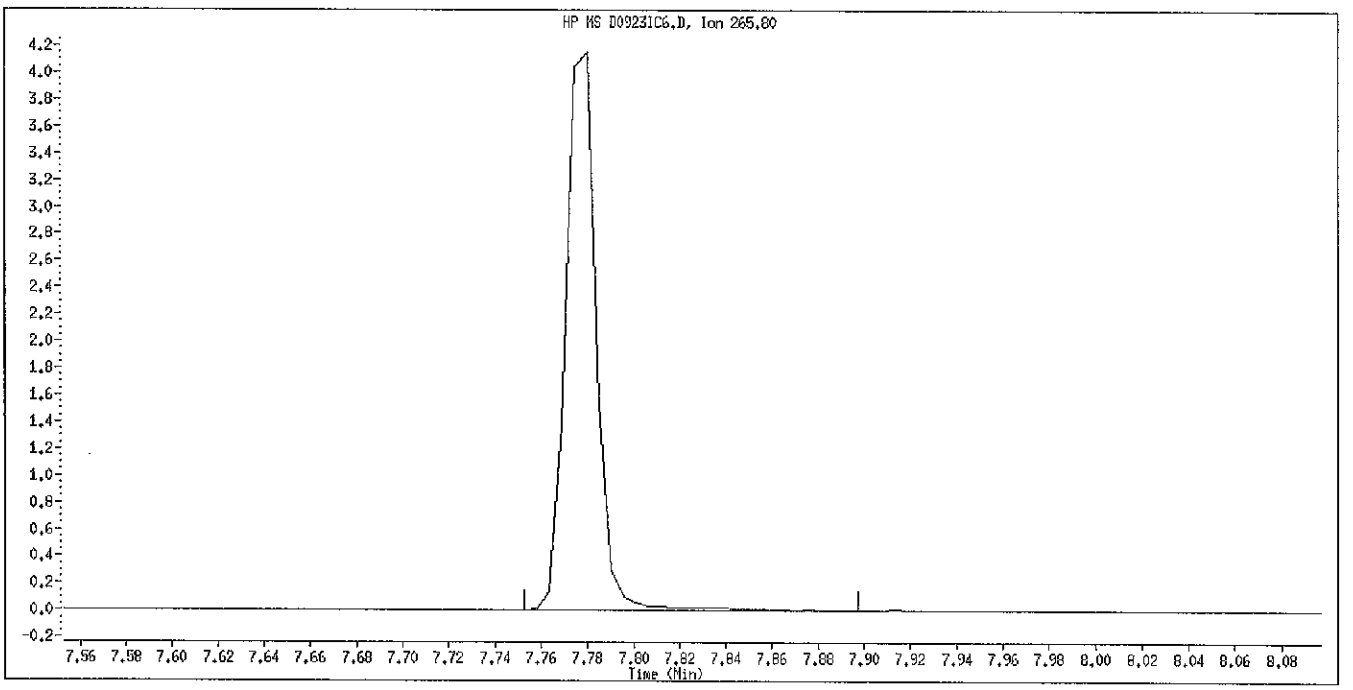
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D0923IC6.D
Inj. Date and Time: 23-SEP-2010 19:49
Instrument ID: 732.i
Client ID: sstd40
Compound Name: Pentachlorophenol
CAS #: 87-86-5



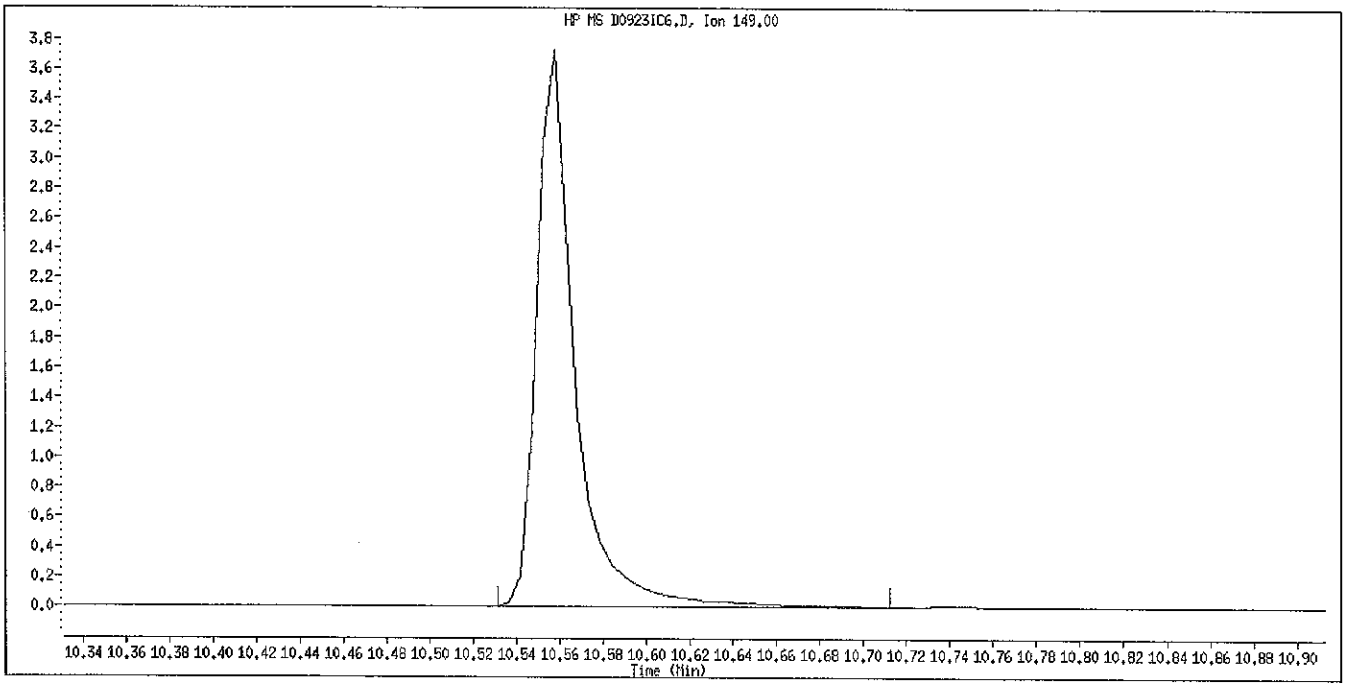
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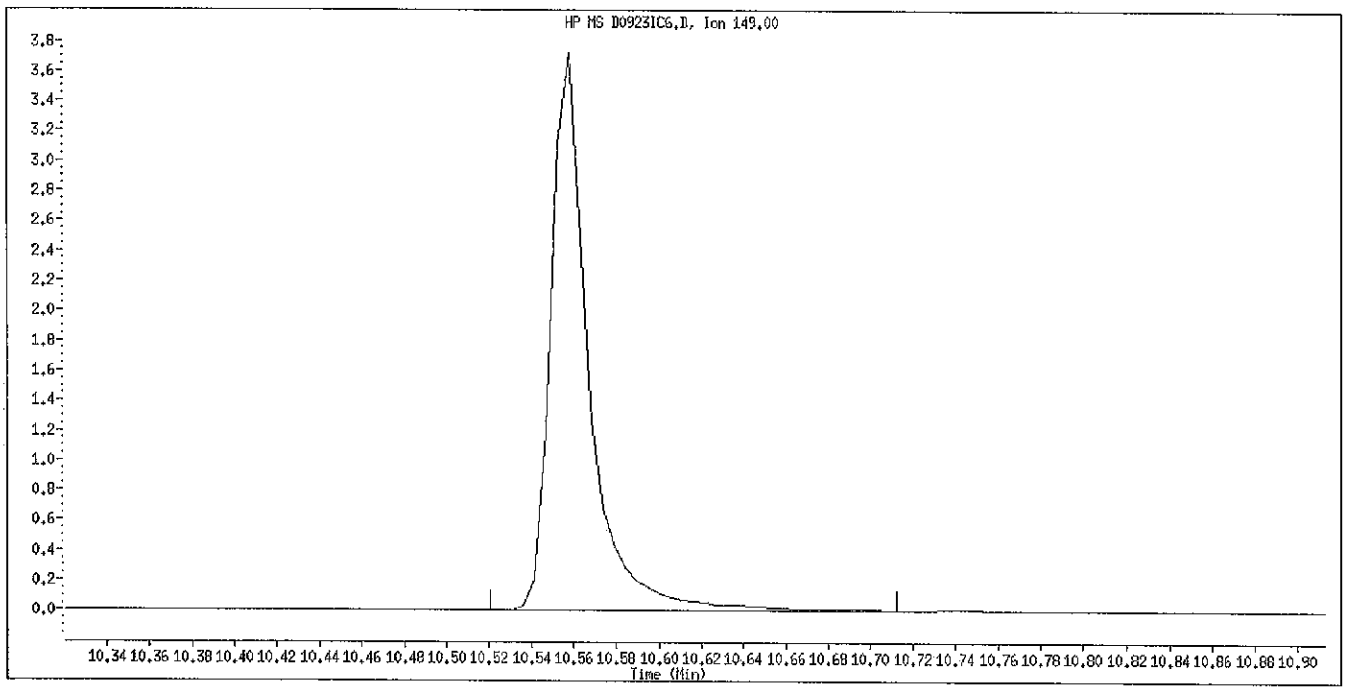
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D0923IC6.D
Inj. Date and Time: 23-SEP-2010 19:49
Instrument ID: 732.i
Client ID: sstd40
Compound Name: Di-n-octylphthalate
CAS #: 117-84-0



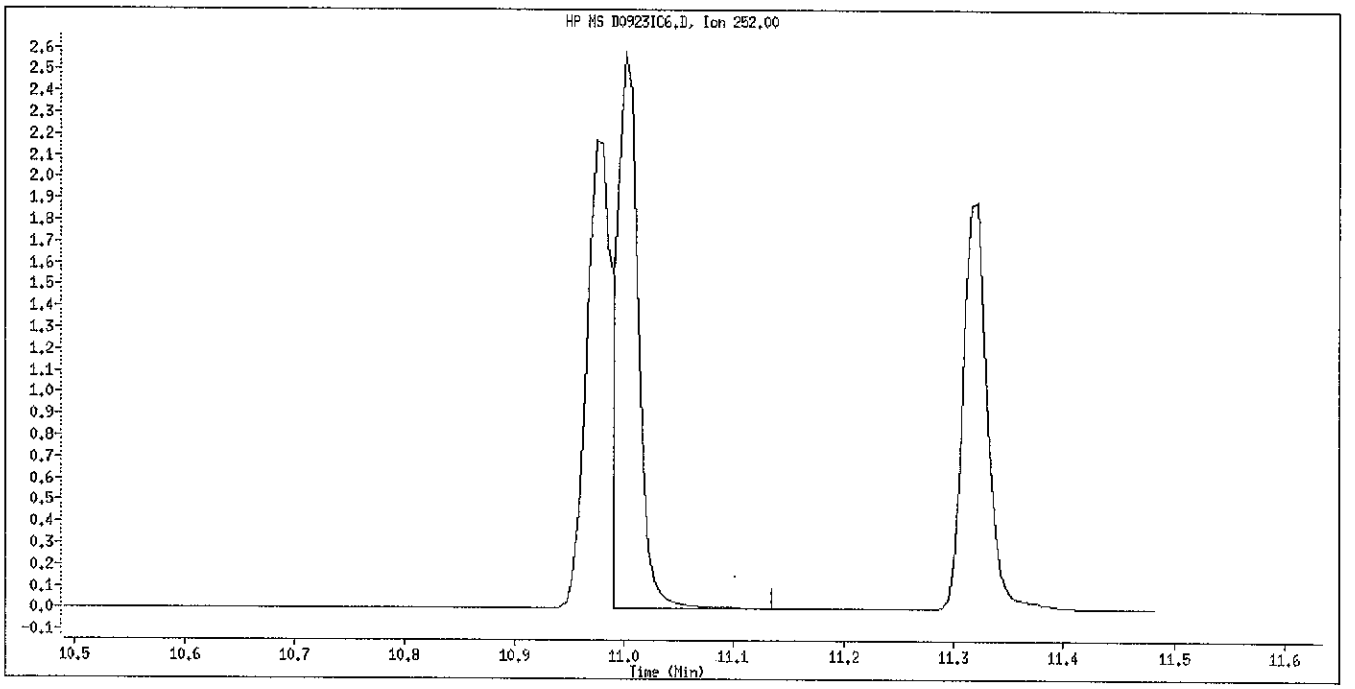
Original Integration



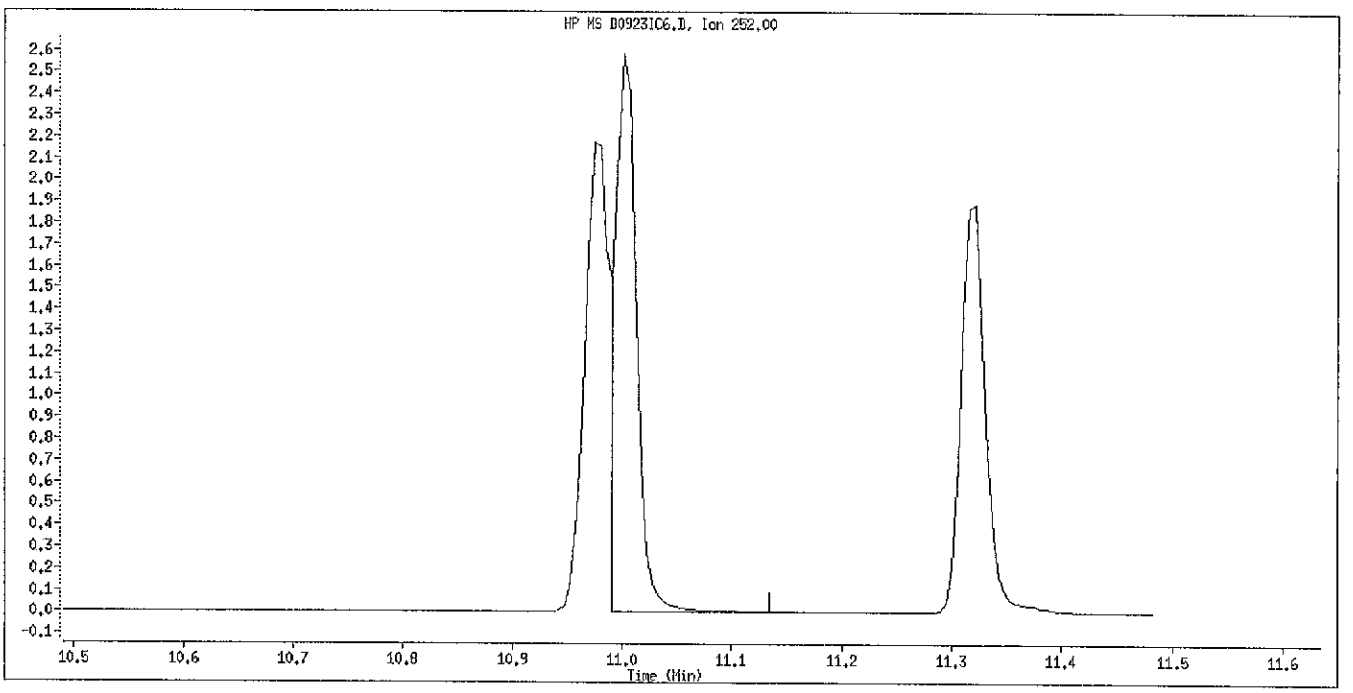
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D0923IC6.D
Inj. Date and Time: 23-SEP-2010 19:49
Instrument ID: 732.i
Client ID: sstd40
Compound Name: Benzo(k)fluoranthene
CAS #: 207-08-9



Original Integration

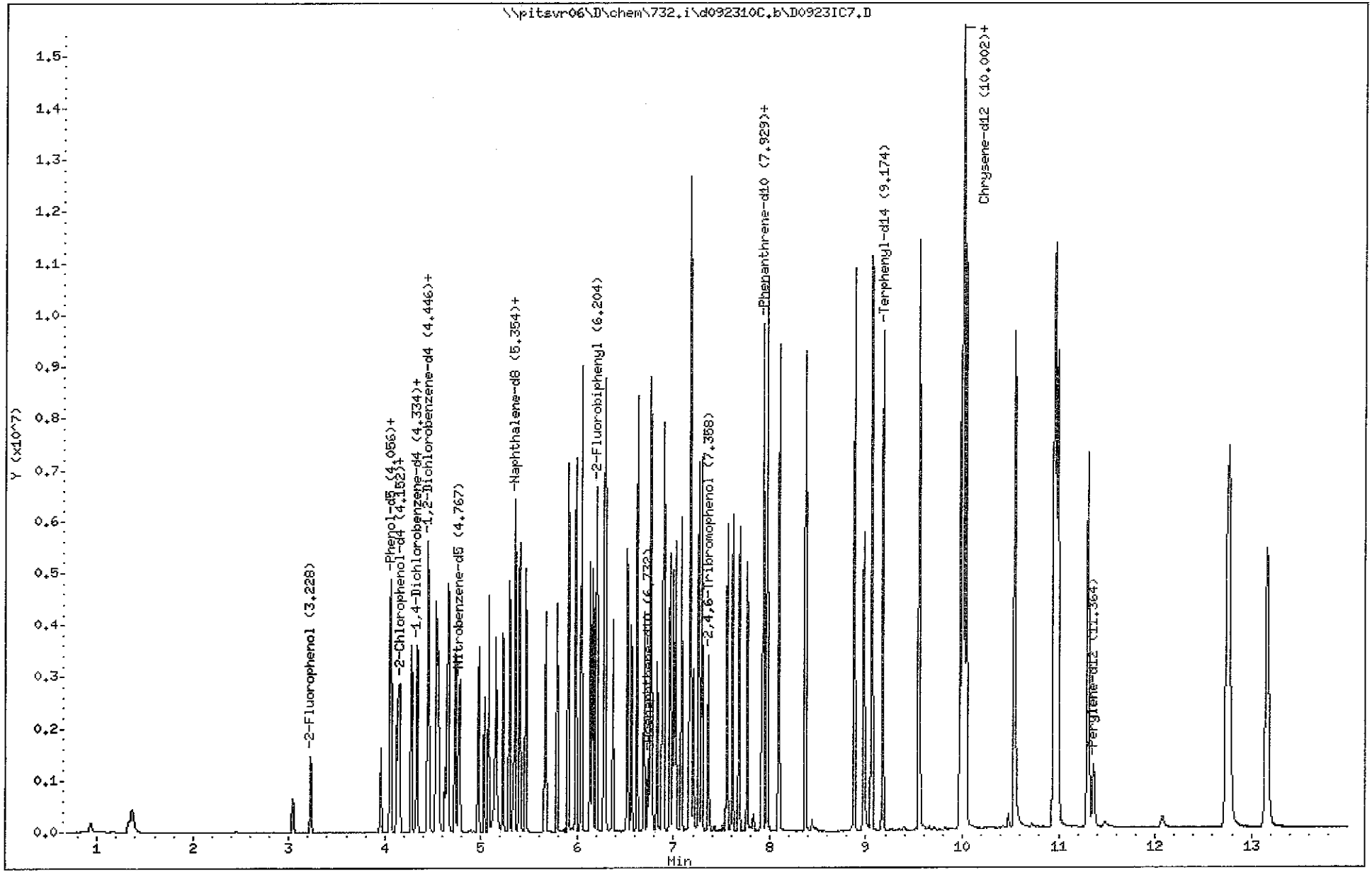


Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File: \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC7.D
Date : 23-SEP-2010 20:09
Client ID: sstd60
Sample Info: SSTD60(30ug/ml) BNA0666-10

Instrument: 732.i
Operator: 430261nc
Column phase: DB5-MS
Column diameter: 0.32



Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC7.D
Lab Smp Id: sstd60 Client Smp ID: sstd60
Inj Date : 23-SEP-2010 20:09
Operator : 430261nc Inst ID: 732.i
Smp Info : SSTD60(30ug/ml) BNA0666-10
Misc Info : sstd60,d092310C.b,ll.m,3-root.sub,1,7
Comment :
Method : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Meth Date : 27-Sep-2010 11:57 campisin Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 8 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1 1,4-Dichlorobenzene-d4	152	4.323	4.312	(1.000)	83619	8.00000		(Q)
* 2 Naphthalene-d8	136	5.338	5.327	(1.000)	399114	8.00000		
* 3 Acenaphthene-d10	164	6.732	6.722	(1.000)	303615	8.00000		(H)
* 4 Phenanthrene-d10	188	7.913	7.902	(1.000)	563766	8.00000		
* 5 Chrysene-d12	240	10.017	10.007	(1.000)	554600	8.00000		
* 6 Perylene-d12	264	11.364	11.354	(1.000)	603009	8.00000		
198 1,4-Dioxane	88	0.936	0.925	(0.217)	144408	60.0000	54.563	(A)
10 N-Nitrosodimethylamine	74	1.331	1.331	(0.308)	200105	60.0000	61.806	(A)
9 Pyridine	79	1.368	1.364	(0.317)	387226	60.0000	61.617	(A)
16 Methyl methanesulfonate	80	3.041	3.030	(0.703)	275983	60.0000	59.402	(A)
206 Benzaldehyde	77	3.959	3.944	(0.916)	345899	60.0000	46.524	(A)
21 Aniline	93	4.056	4.045	(0.938)	941566	60.0000	52.961	(A)
22 Phenol	94	4.061	4.051	(0.939)	830235	60.0000	53.473	(A)
23 bis(2-Chloroethyl)ether	93	4.120	4.109	(0.953)	645437	60.0000	55.887	(A)
24 2-Chlorophenol	128	4.152	4.142	(0.960)	774401	60.0000	57.533	(A)
26 1,3-Dichlorobenzene	146	4.275	4.264	(0.989)	953178	60.0000	57.217	(A)
27 1,4-Dichlorobenzene	146	4.339	4.328	(1.004)	963486	60.0000	56.618	(A)
28 1,2-Dichlorobenzene	146	4.456	4.446	(1.031)	906340	60.0000	54.521	(A)
29 Benzyl Alcohol	108	4.440	4.430	(1.027)	451569	60.0000	55.445	(A)
217 Indene	116	4.531	4.521	(1.048)	1359523	60.0000	56.496	
30 2-Methylphenol	108	4.547	4.537	(1.052)	687710	60.0000	54.166	(A)
31 2,2'-oxybis(1-Chloropropane)	45	4.558	4.548	(1.054)	887210	60.0000	53.726	(A)
36 N-Nitrosopyrrolidine	100	4.627	4.617	(1.070)	371354	60.0000	62.268	
37 Acetophenone	105	4.649	4.638	(1.075)	997462	60.0000	53.267	(A)
32 N-Nitroso-di-n-propylamine	70	4.659	4.649	(1.078)	427468	60.0000	52.338	(A)
192 4-Methylphenol	108	4.665	4.654	(1.079)	664110	60.0000	52.828	(A)
34 Hexachloroethane	117	4.729	4.718	(1.094)	433195	60.0000	56.709	(A)
35 Nitrobenzene	77	4.782	4.772	(0.896)	780948	60.0000	58.555	(A)
41 Isophorone	82	4.974	4.964	(0.932)	1497556	60.0000	58.678	(A)
42 2-Nitrophenol	139	5.033	5.028	(0.943)	509211	60.0000	63.530	(A)
43 2,4-Dimethylphenol	107	5.081	5.071	(0.952)	851713	60.0000	59.049	(A)
44 bis(2-Chloroethoxy)methane	93	5.151	5.146	(0.965)	991610	60.0000	54.876	(A)
48 2,4-Dichlorophenol	162	5.231	5.221	(0.980)	826473	60.0000	57.928	(A)

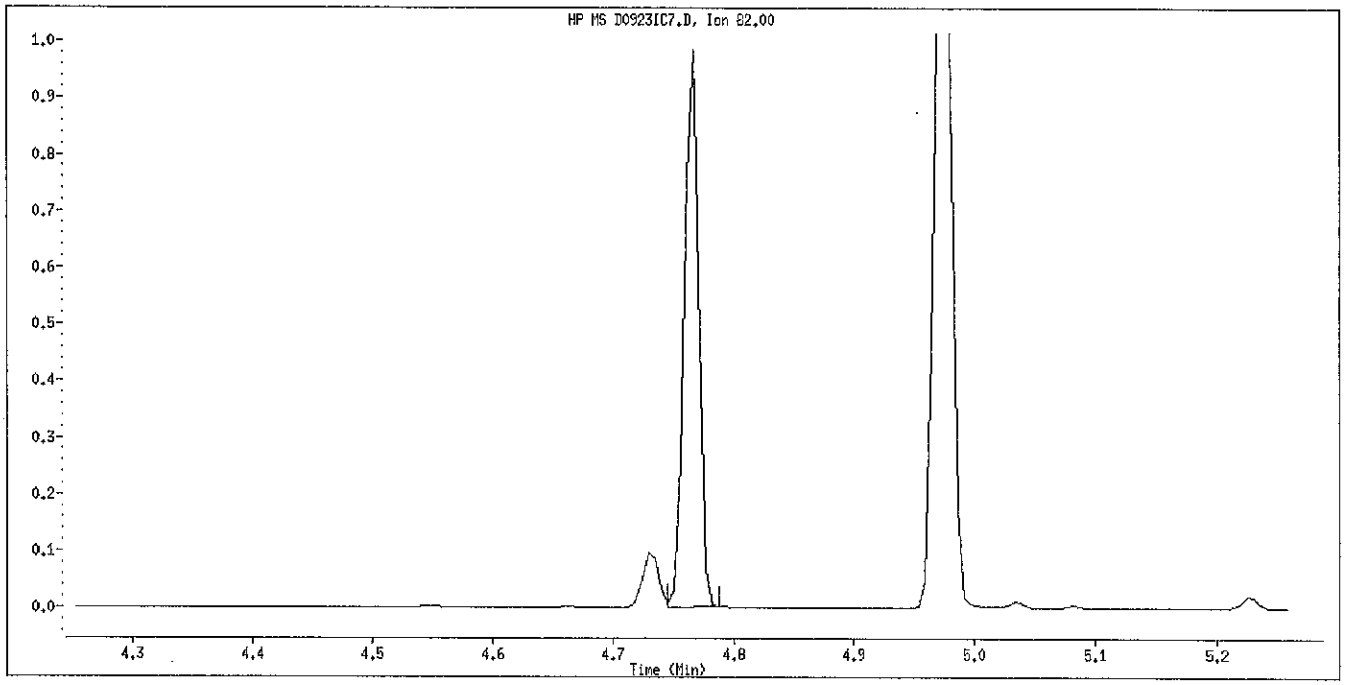
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	5.167	5.162	(0.968)	622228	60.0000	65.916 (AM)
50 1,2,4-Trichlorobenzene	180	5.295	5.290	(0.992)	936208	60.0000	55.240 (A)
51 Naphthalene	128	5.354	5.344	(1.003)	2788916	60.0000	54.553 (A)
52 4-Chloroaniline	127	5.396	5.392	(1.011)	1155279	60.0000	54.758 (A)
54 2,6-Dichlorophenol	162	5.407	5.397	(1.013)	799922	60.0000	55.591 (A)
56 Hexachlorobutadiene	225	5.466	5.456	(1.024)	557243	60.0000	55.850 (AQ)
208 Caprolactam	113	5.669	5.669	(1.062)	264980	60.0000	58.749 (A)
59 4-Chloro-3-Methylphenol	107	5.792	5.782	(1.085)	828290	60.0000	58.465 (A)
62 2-Methylnaphthalene	142	5.904	5.894	(1.106)	1961896	60.0000	54.686 (A)
63 1-Methylnaphthalene	142	5.984	5.974	(1.121)	1940848	60.0000	54.306 (A)
64 Hexachlorocyclopentadiene	237	6.043	6.033	(0.898)	672932	60.0000	61.224 (A)
65 1,2,4,5-Tetrachlorobenzene	216	6.043	6.033	(0.898)	920161	60.0000	50.492
66 2,4,6-Trichlorophenol	196	6.134	6.123	(0.911)	743337	60.0000	60.138 (A)
67 2,4,5-Trichlorophenol	196	6.160	6.156	(0.915)	753102	60.0000	57.144 (AH)
209 1,1'-Biphenyl	154	6.278	6.268	(0.933)	2510577	60.0000	53.097 (AH)
70 2-Chloronaphthalene	162	6.294	6.284	(0.935)	2046981	60.0000	53.078 (AH)
73 2-Nitroaniline	65	6.369	6.359	(0.946)	539897	60.0000	62.175 (AH)
76 Dimethylphthalate	163	6.518	6.513	(0.968)	2326763	60.0000	57.625 (AH)
78 2,6-Dinitrotoluene	165	6.561	6.556	(0.975)	544636	60.0000	64.815 (AH)
79 Acenaphthylene	152	6.620	6.610	(0.983)	3648647	60.0000	58.295 (AH)
81 3-Nitroaniline	138	6.695	6.684	(0.994)	673802	60.0000	61.971 (AH)
82 Acenaphthene	153	6.759	6.749	(1.004)	2087724	60.0000	53.388 (AH)
83 2,4-Dinitrophenol	184	6.775	6.770	(1.006)	346010	60.0000	61.432 (AQ)
85 4-Nitrophenol	109	6.828	6.823	(1.014)	324844	60.0000	63.045 (AH)
86 Dibenzofuran	168	6.898	6.887	(1.025)	3184435	60.0000	53.648 (AH)
87 2,4-Dinitrotoluene	165	6.882	6.877	(1.022)	741810	60.0000	61.094 (AH)
91 2,3,5,6-Tetrachlorophenol	232	6.962	6.957	(1.034)	684085	60.0000	59.938 (AH)
88 2,3,4,6-Tetrachlorophenol	232	6.999	6.989	(1.040)	688822	60.0000	58.802 (AH)
92 2-Naphthylamine	143	7.020	7.010	(1.043)	1820030	60.0000	46.563 (AH)
93 Diethylphthalate	149	7.079	7.074	(1.052)	2506881	60.0000	56.482 (AH)
94 Fluorene	166	7.170	7.160	(1.065)	2132066	60.0000	59.715 (AH)
95 4-Chlorophenyl-phenylether	204	7.170	7.160	(1.065)	1015860	60.0000	60.196 (AH)
96 4-Nitroaniline	138	7.181	7.176	(1.067)	612117	60.0000	59.411 (AH)
98 4,6-Dinitro-2-methylphenol	198	7.207	7.197	(0.911)	486325	60.0000	63.460 (A)
99 N-Nitrosodiphenylamine (1)	169	7.261	7.256	(0.918)	1817827	60.0000	57.960 (A)
100 1,2-Diphenylhydrazine	77	7.293	7.288	(0.922)	2740381	60.0000	55.783 (A)
106 4-Bromophenyl-phenylether	248	7.555	7.550	(0.955)	754409	60.0000	57.104 (A)
107 Hexachlorobenzene	284	7.613	7.603	(0.962)	780835	60.0000	53.376 (A)
210 Atrazine	200	7.683	7.678	(0.971)	674080	60.0000	60.639 (A)
111 Pentachlorophenol	266	7.763	7.758	(0.981)	568032	60.0000	60.329 (AQM)
115 Phenanthrene	178	7.929	7.924	(1.002)	4314461	60.0000	54.702 (A)
116 Anthracene	178	7.971	7.967	(1.007)	4472619	60.0000	57.914 (A)
119 Carbazole	167	8.094	8.089	(1.023)	4173376	60.0000	57.111 (A)
120 Di-n-Butylphthalate	149	8.372	8.362	(1.058)	5271893	60.0000	59.297 (A)
123 Fluoranthene	202	8.880	8.869	(1.122)	4891467	60.0000	59.148 (A)
124 Benzidine	184	8.976	8.966	(0.896)	2422919	60.0000	66.396 (A)
125 Pyrene	202	9.056	9.051	(0.904)	5187408	60.0000	61.693 (A)
131 Butylbenzylphthalate	149	9.553	9.543	(0.954)	2289021	60.0000	61.068 (A)
135 3,3'-Dichlorobenzidine	252	9.975	9.970	(0.996)	1817493	60.0000	60.740 (A)
136 Benzo(a)Anthracene	228	10.007	9.997	(0.999)	4421922	60.0000	61.257 (A)
137 Chrysene	228	10.034	10.029	(1.002)	4754915	60.0000	59.943 (A)
139 bis(2-ethylhexyl)Phthalate	149	9.996	9.991	(0.998)	3008713	60.0000	62.018 (A)
140 Di-n-octylphthalate	149	10.541	10.536	(0.928)	6842708	60.0000	61.351 (AM)
141 Benzo(b)fluoranthene	252	10.963	10.958	(0.965)	4573412	60.0000	56.113 (A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
142 Benzo(k)fluoranthene	252	10.990	10.980	(0.967)	5630361	60.0000	57.255(AH)
143 7,12-dimethylbenz[a]anthracen	256	10.952	10.942	(0.964)	2035834	60.0000	55.488(A)
146 Benzo(a)pyrene	252	11.305	11.295	(0.995)	4316994	60.0000	60.592(A)
149 Indeno(1,2,3-cd)pyrene	276	12.747	12.737	(1.122)	5244486	60.0000	60.595(A)
150 Dibenz(a,h)anthracene	278	12.769	12.759	(1.124)	4327856	60.0000	61.582(A)
151 Benzo(g,h,i)perylene	276	13.164	13.154	(1.158)	4766155	60.0000	66.400(A)
$ 154 Nitrobenzene-d5	82	4.766	4.756	(0.893)	824091	60.0000	60.437(AH)
$ 155 2-Fluorobiphenyl	172	6.203	6.193	(0.921)	2257724	60.0000	55.634(AH)
$ 156 Terphenyl-d14	244	9.173	9.163	(0.916)	3059780	60.0000	61.607(A)
$ 157 Phenol-d5	99	4.050	4.040	(0.937)	735791	60.0000	54.887(A)
$ 158 2-Fluorophenol	112	3.227	3.217	(0.747)	542104	60.0000	59.774(A)
$ 159 2,4,6-Tribromophenol	330	7.362	7.352	(0.930)	368841	60.0000	62.055(A)
$ 186 2-Chlorophenol-d4	132	4.141	4.131	(0.958)	757745	60.0000	58.423(A)
$ 187 1,2-Dichlorobenzene-d4	152	4.446	4.435	(1.028)	529669	60.0000	52.482(A)

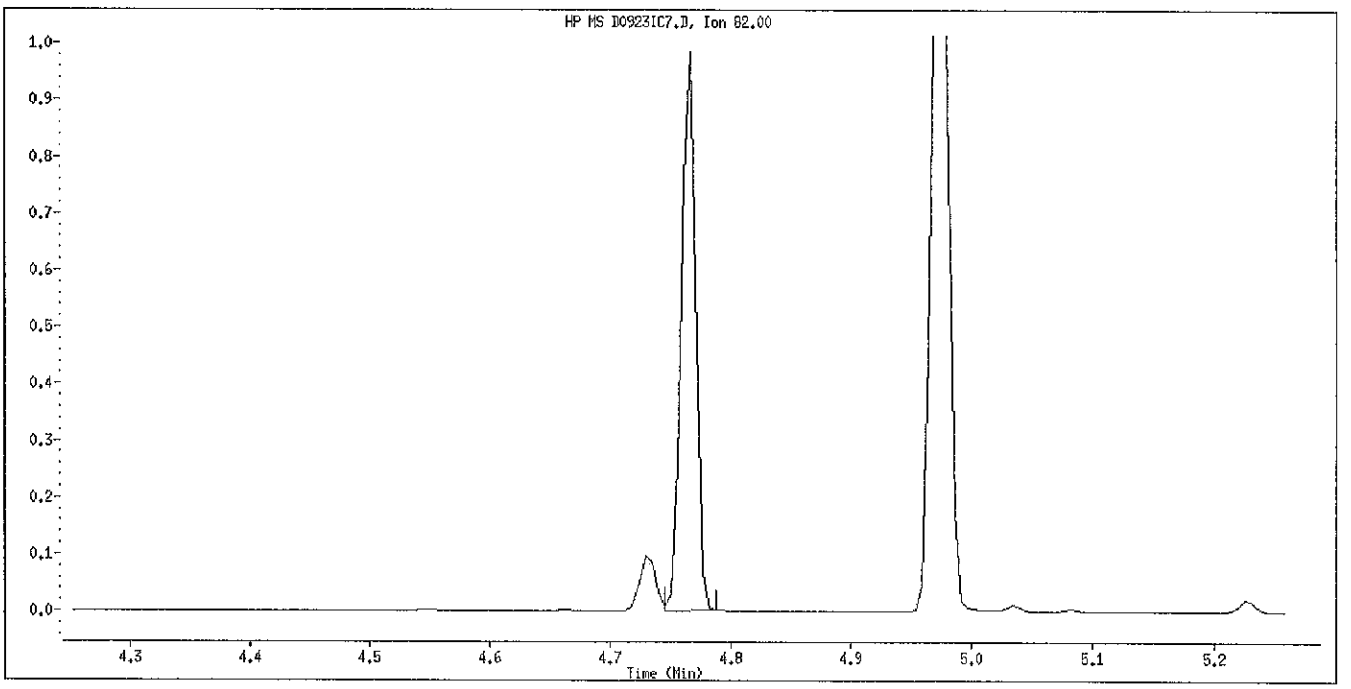
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: Nitrobenzene-d5
CAS #: 4165-60-0

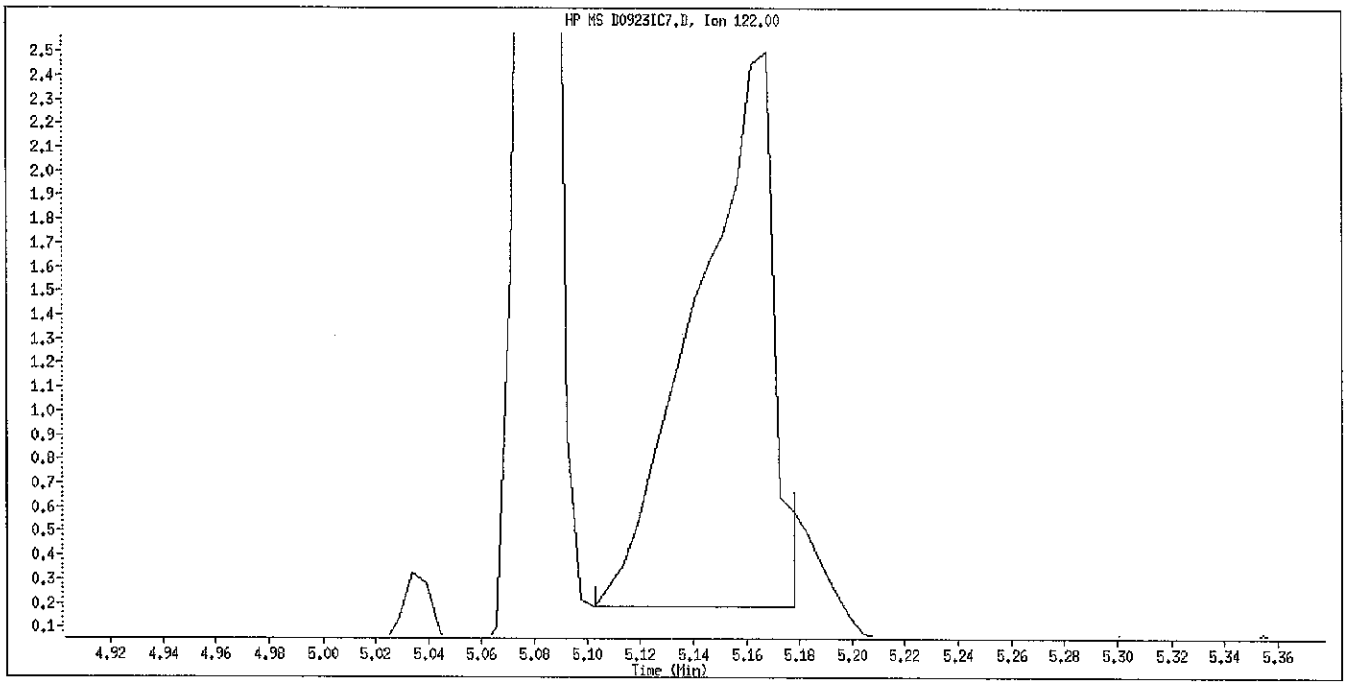


Original Integration

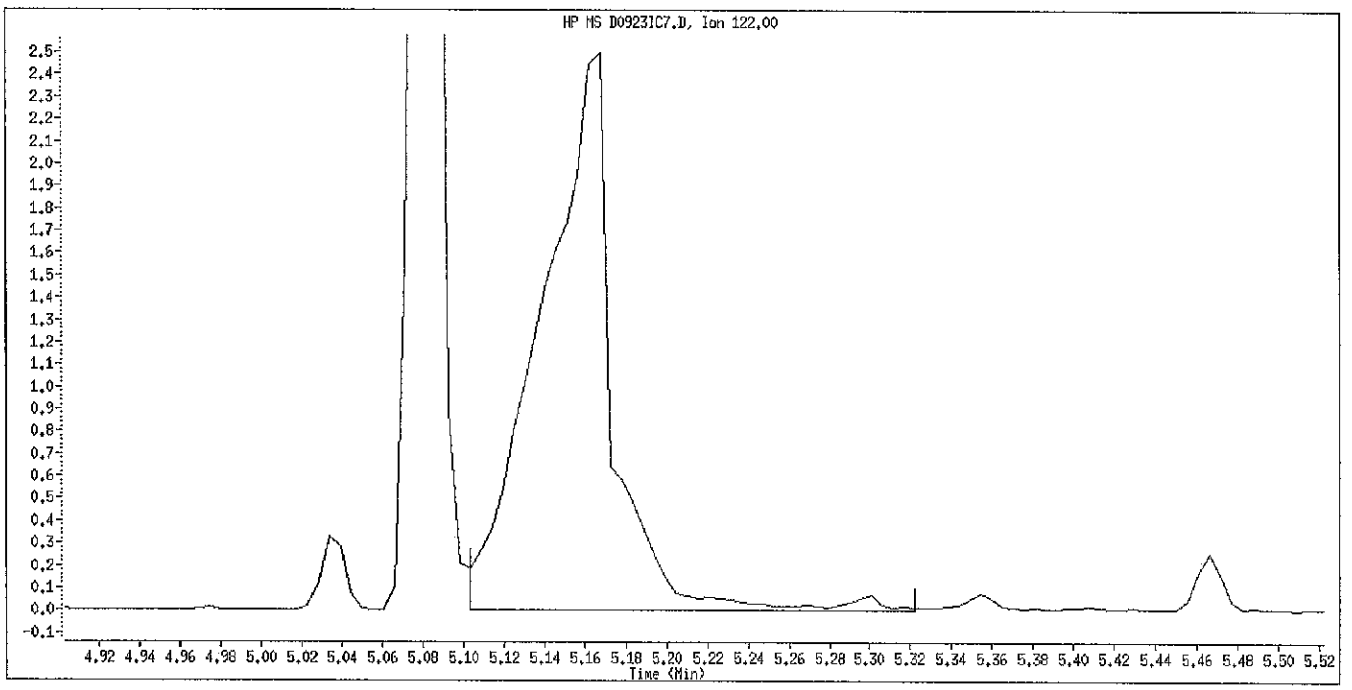


Manual Integration

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: Benzoic Acid
CAS #: 65-85-0



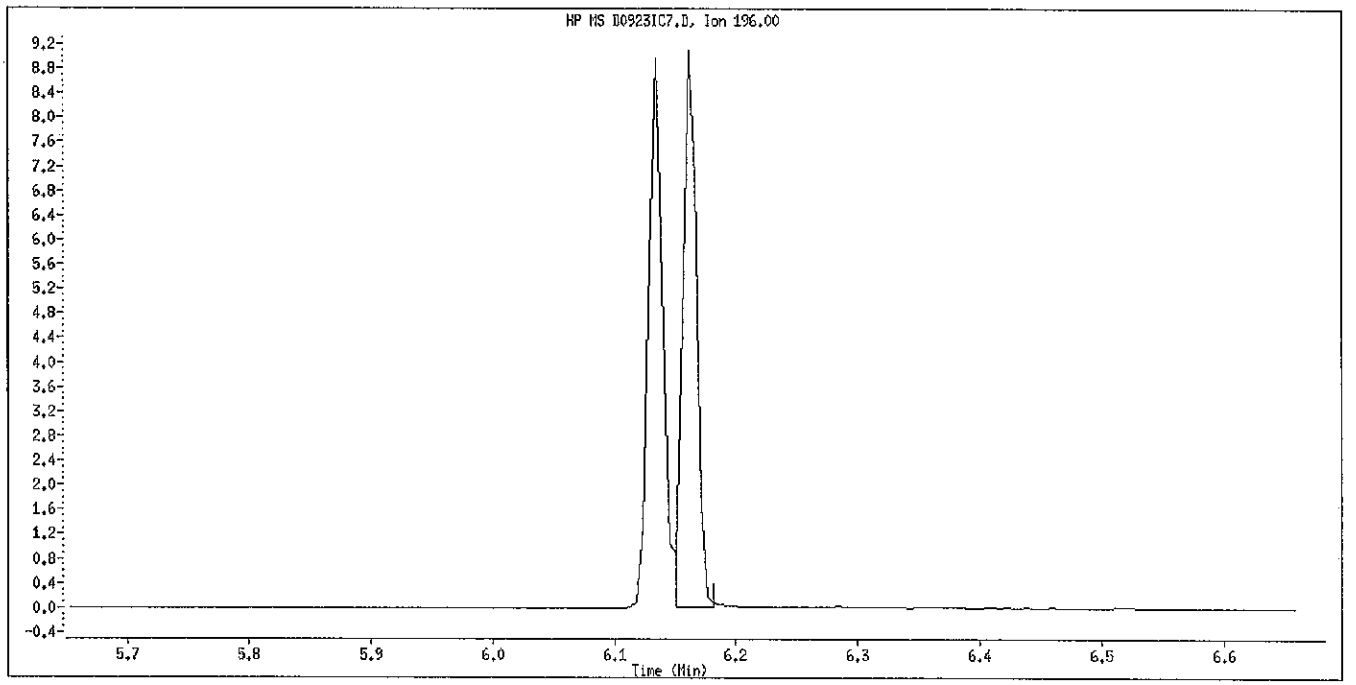
Original Integration



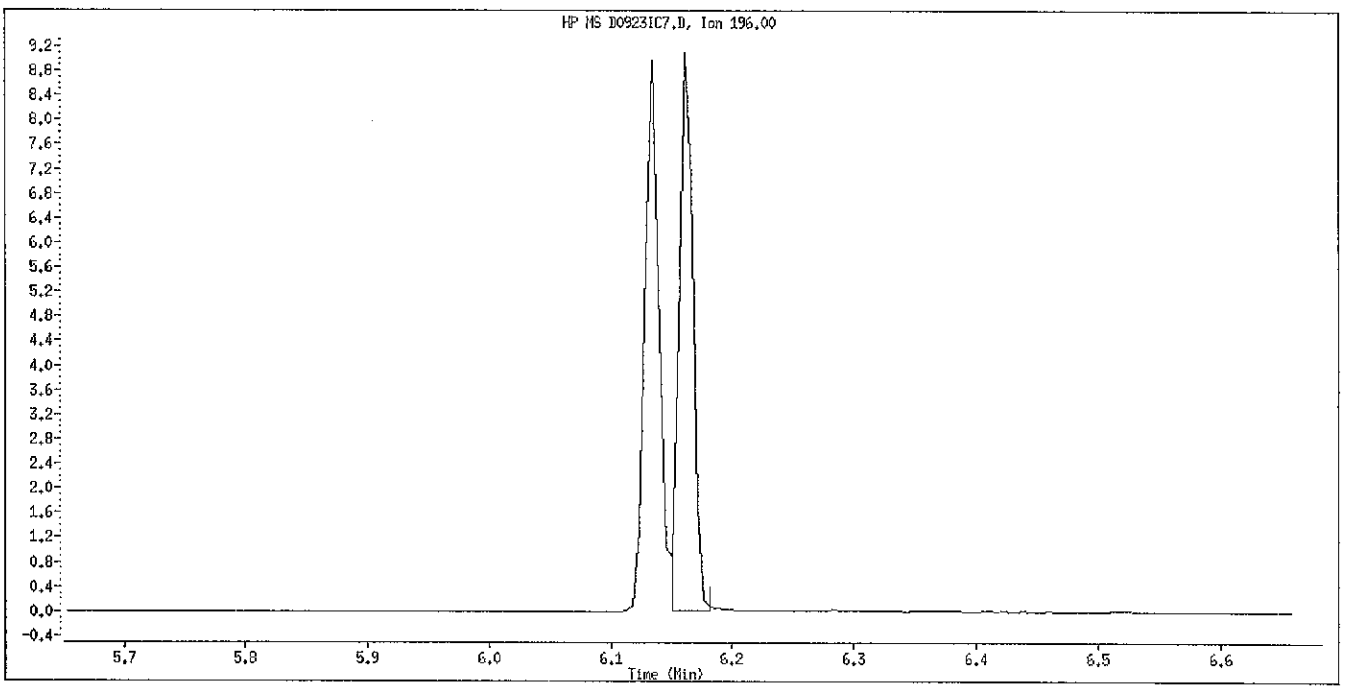
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: 2,4,5-Trichlorophenol
CAS #: 95-95-4



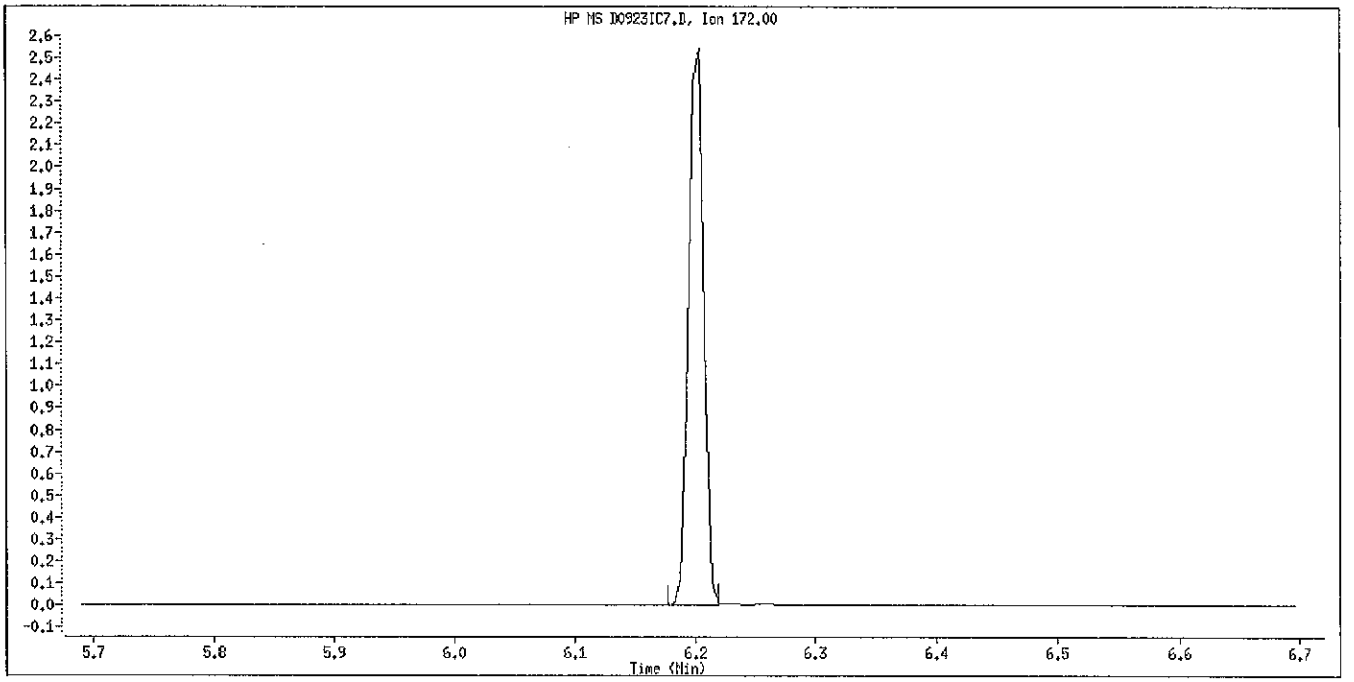
Original Integration



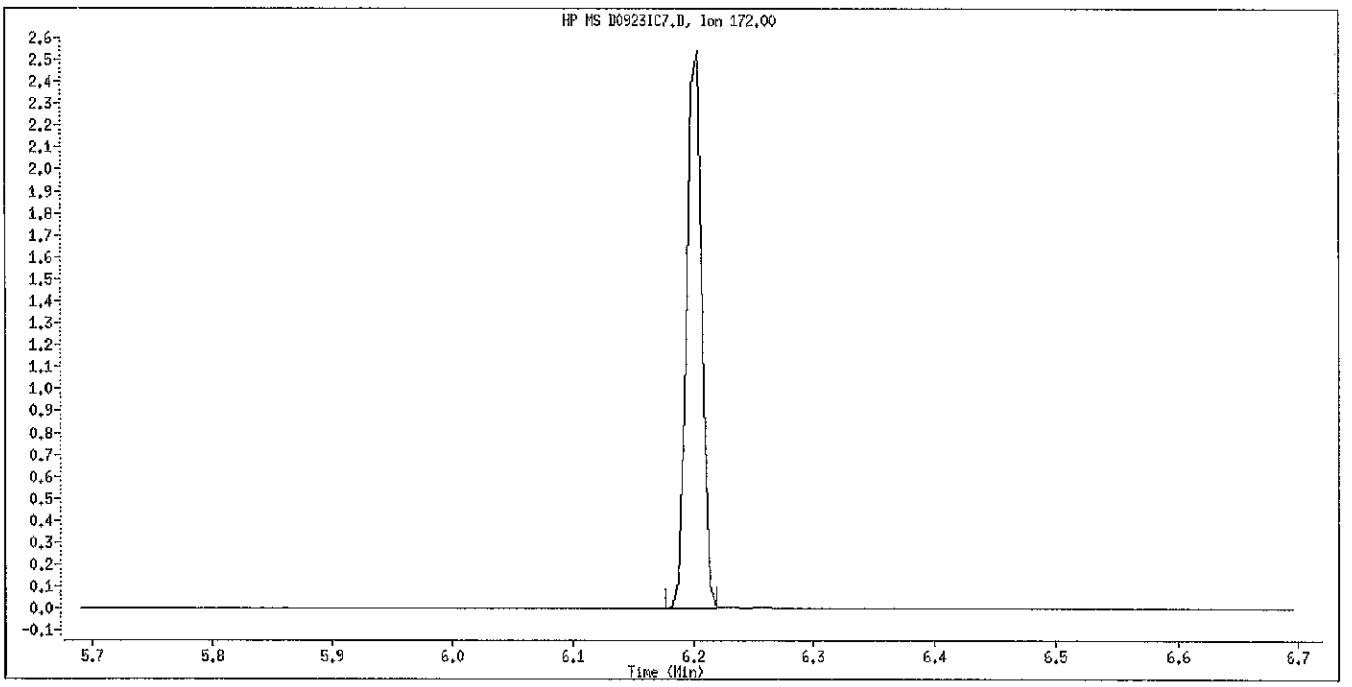
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: 2-Fluorobiphenyl
CAS #: 321-60-8

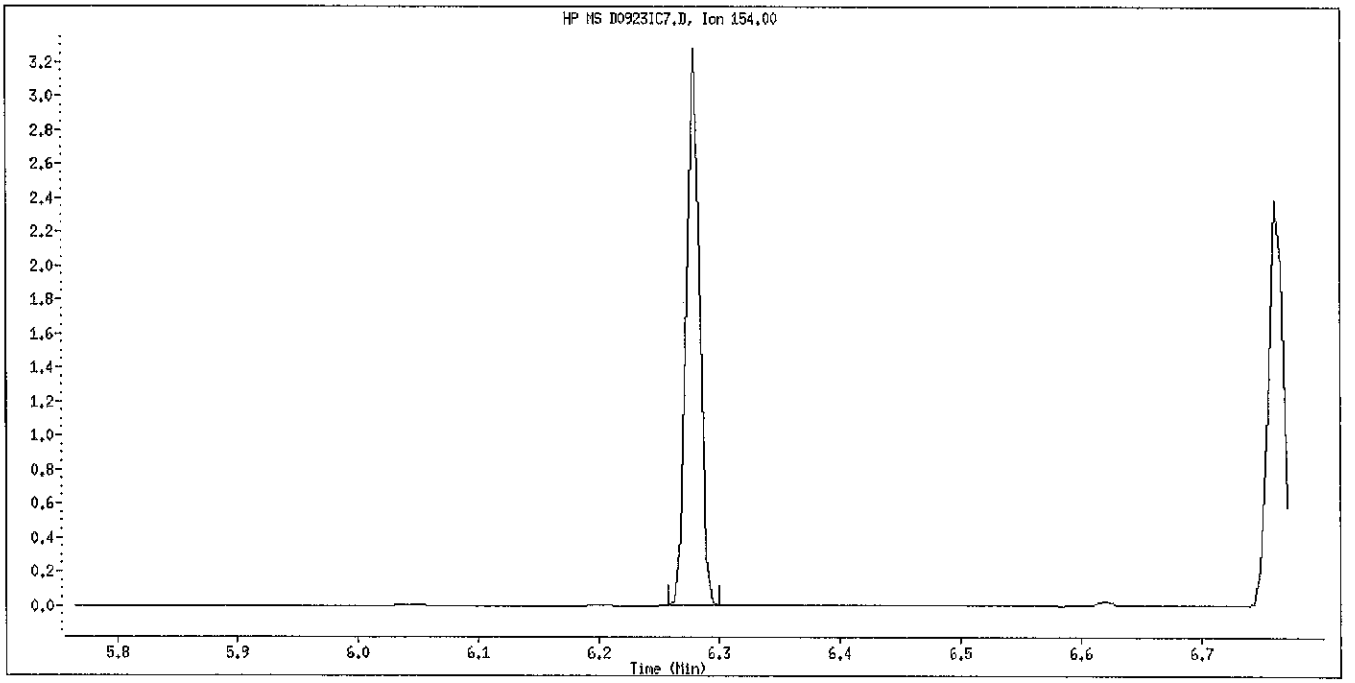


Original Integration

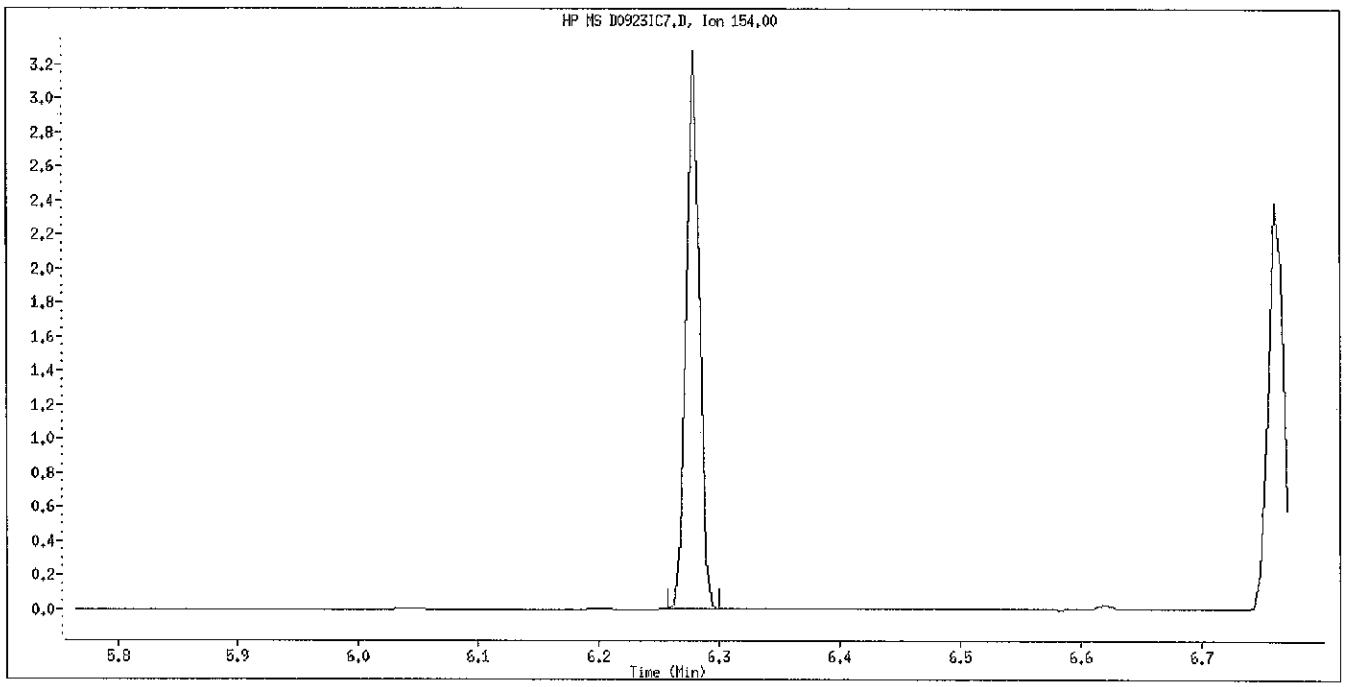


Manual Integration

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: 1,1'-Biphenyl
CAS #: 92-52-4



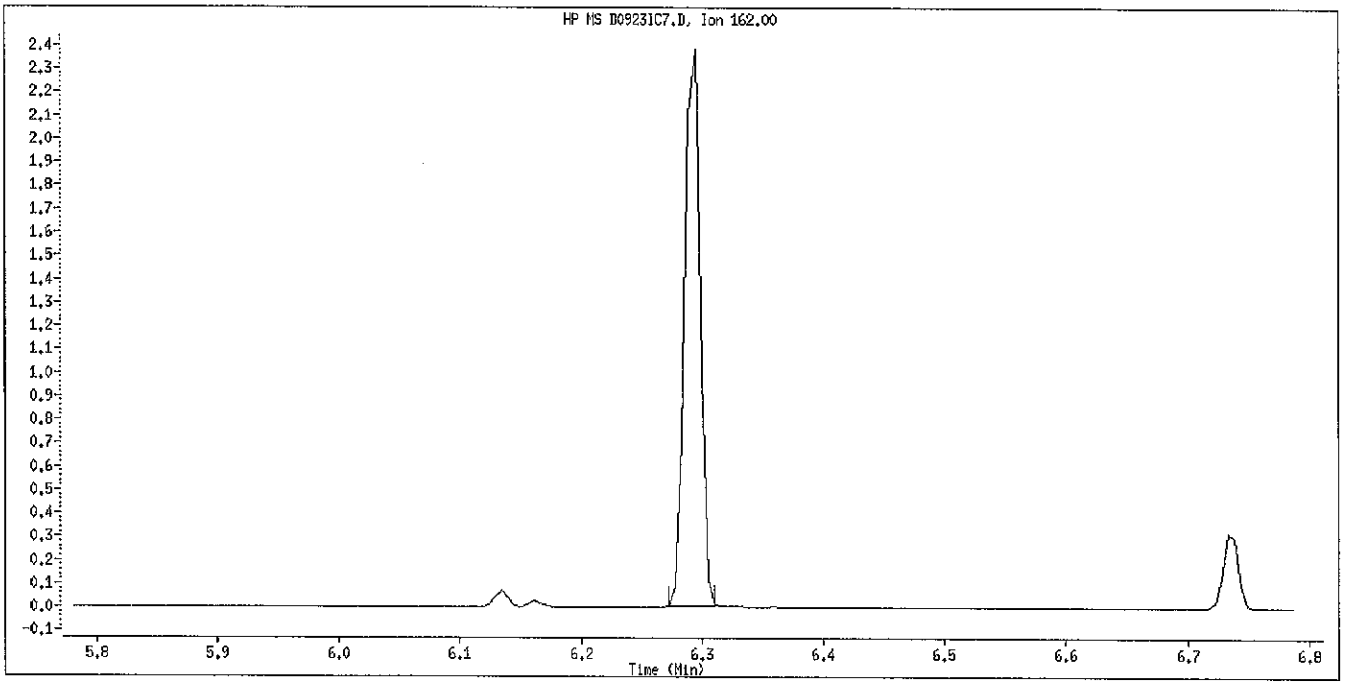
Original Integration



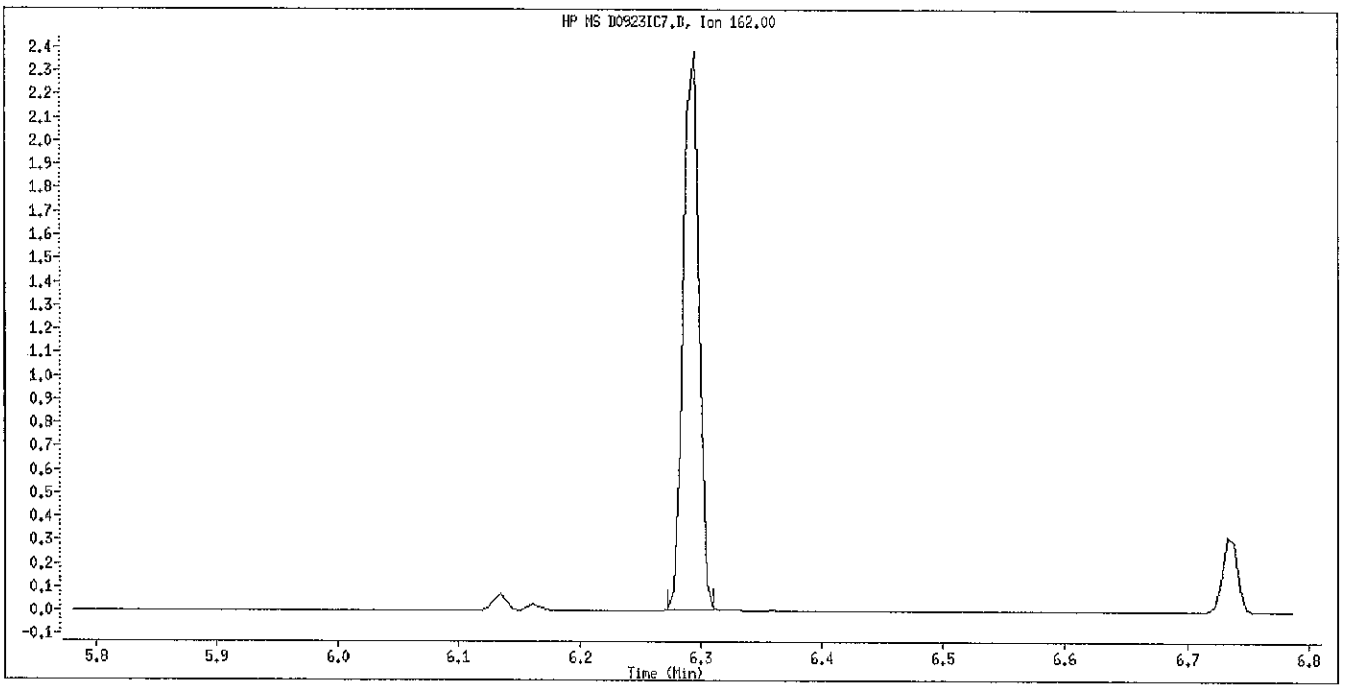
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: 2-Chloronaphthalene
CAS #: 91-58-7



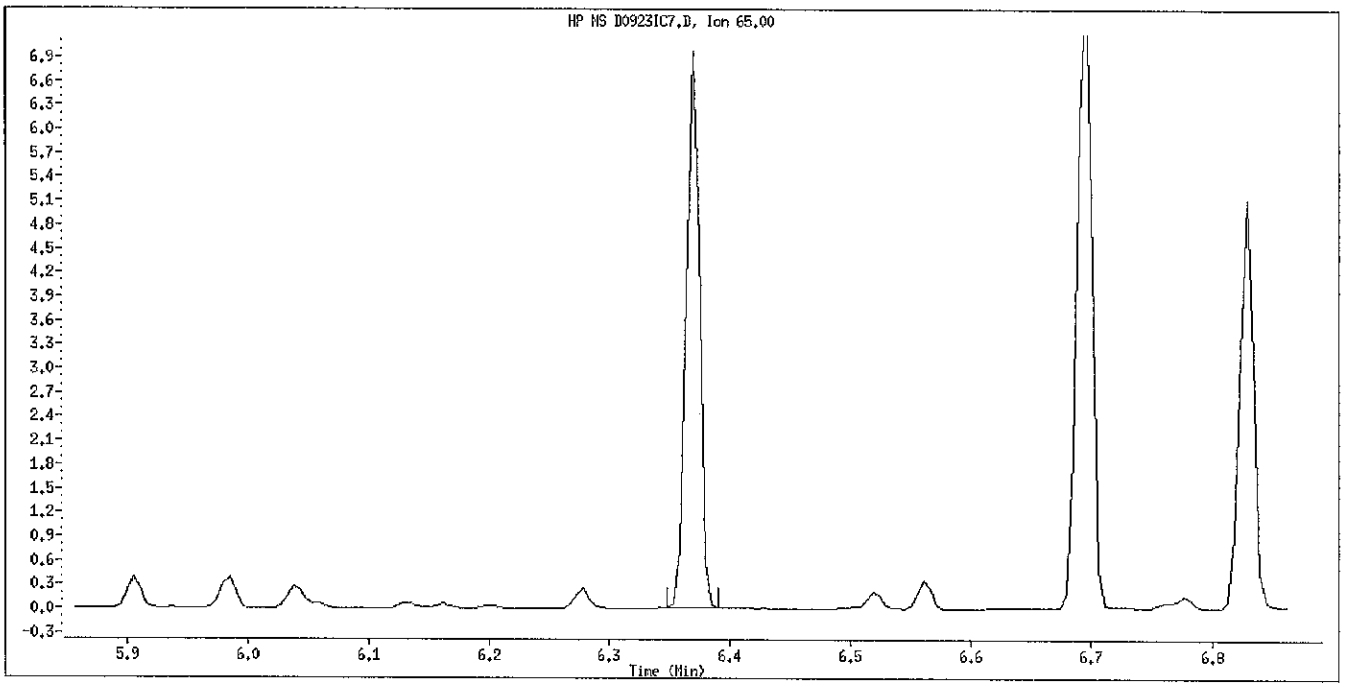
Original Integration



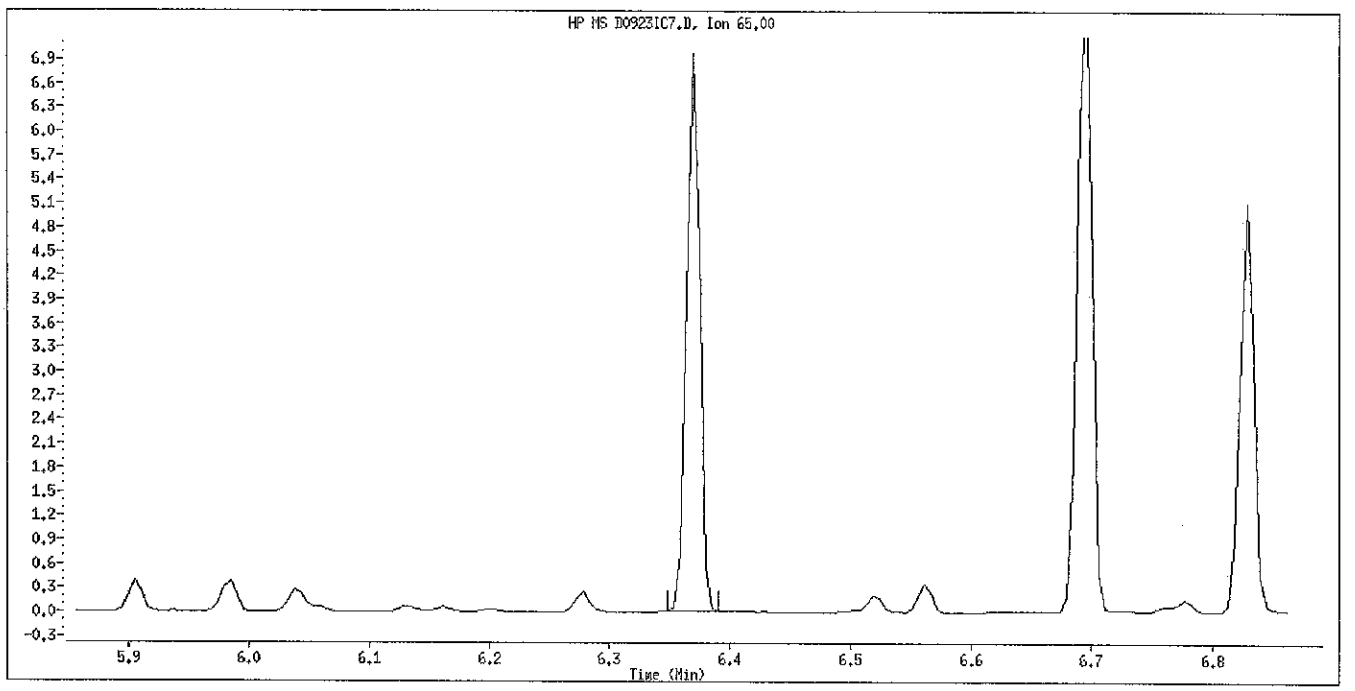
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: 2-Nitroaniline
CAS #: 88-74-4



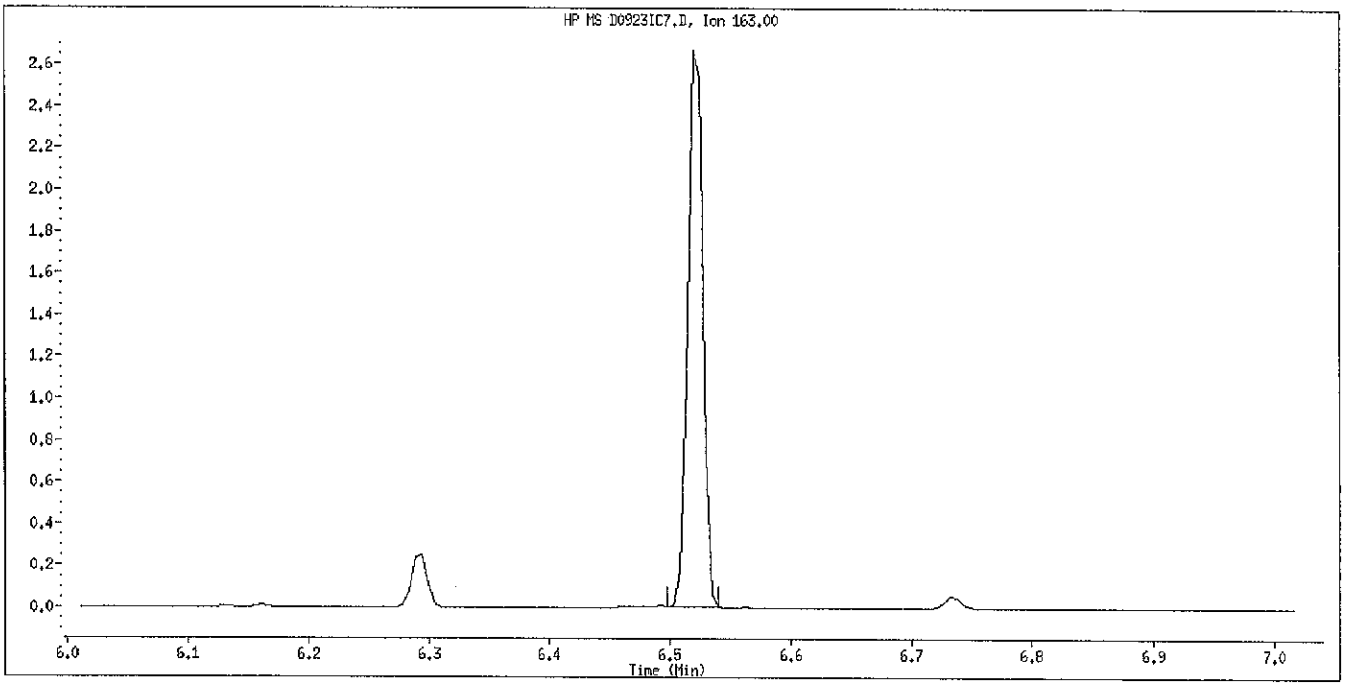
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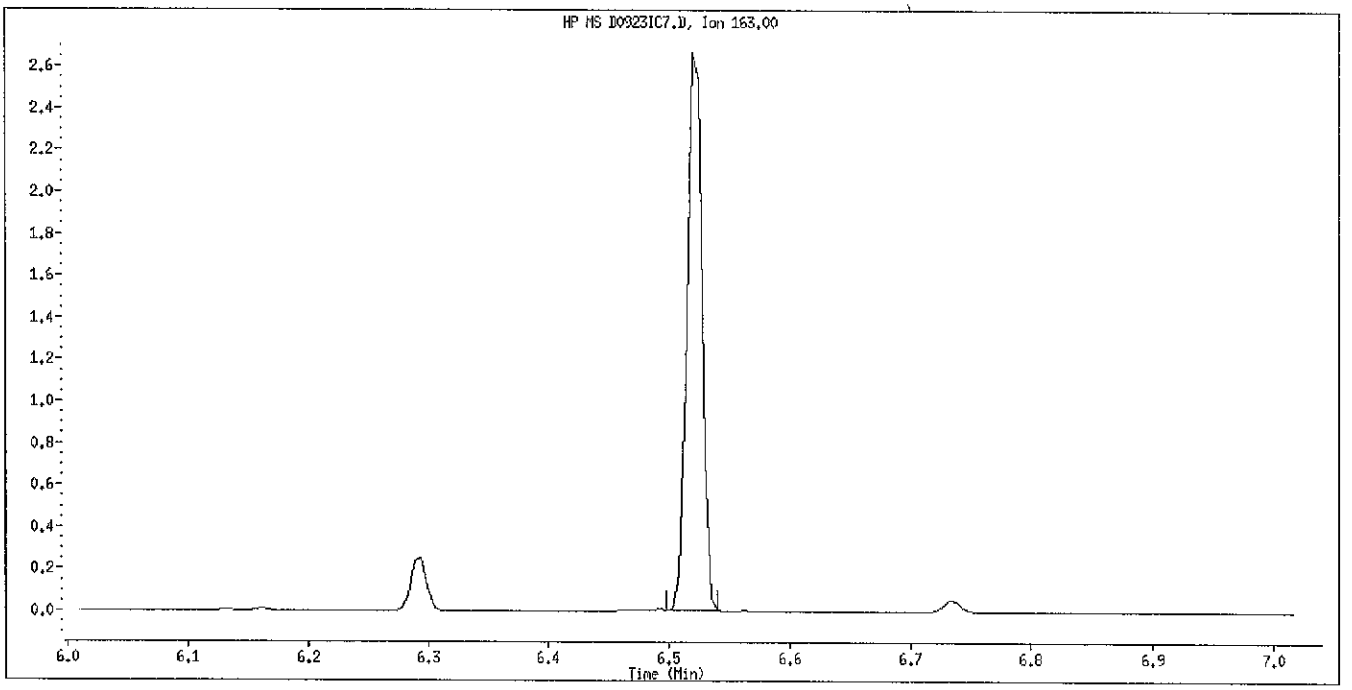
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: Dimethylphthalate
CAS #: 131-11-3



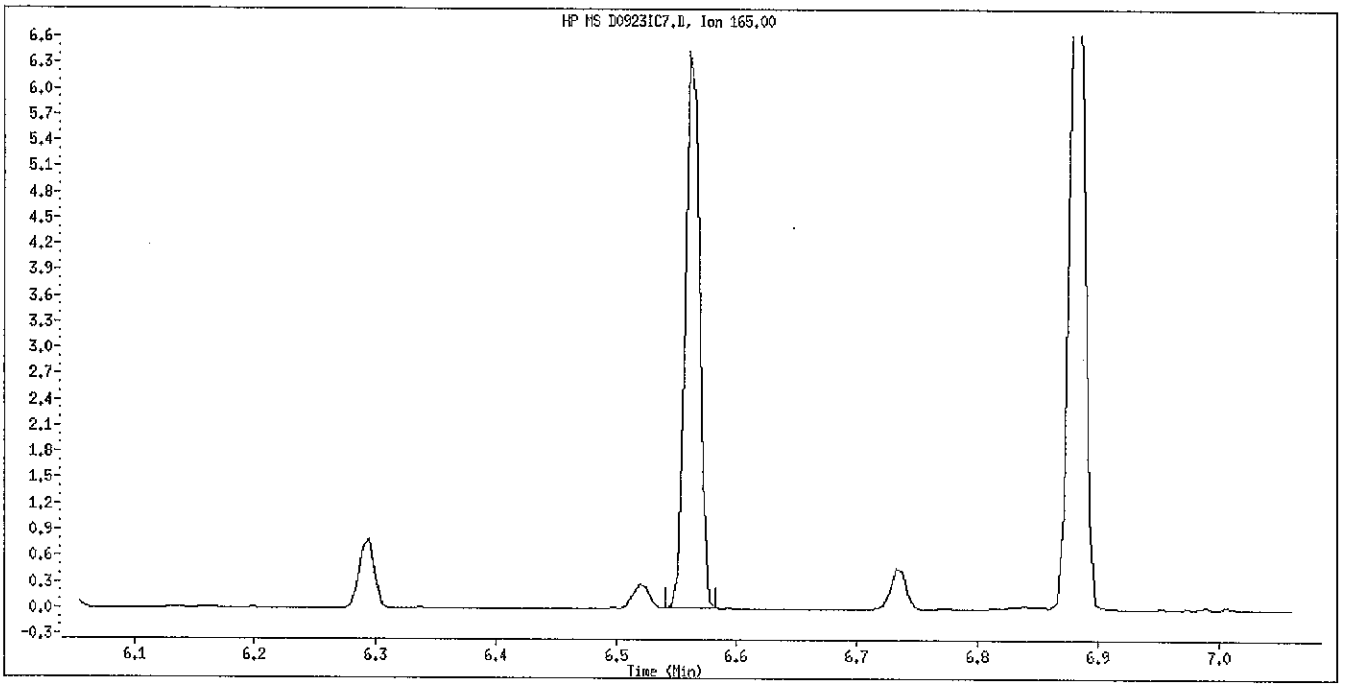
Original Integration



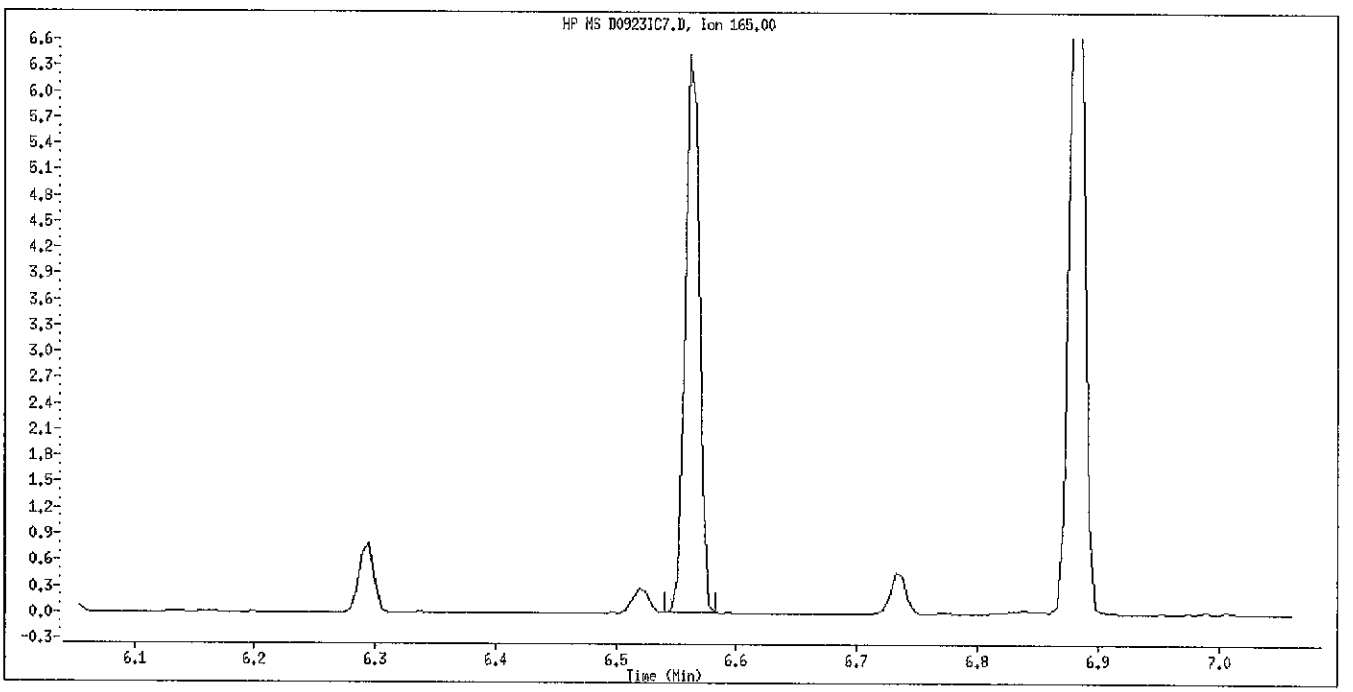
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2



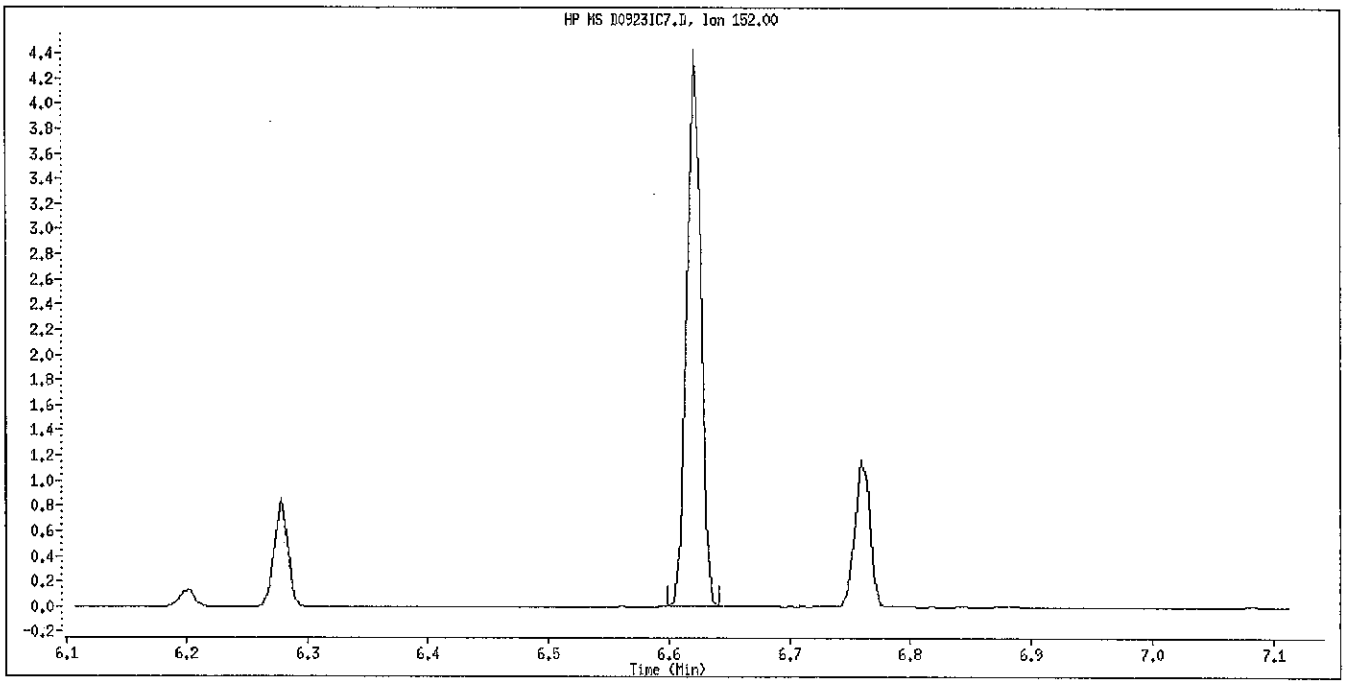
Original Integration



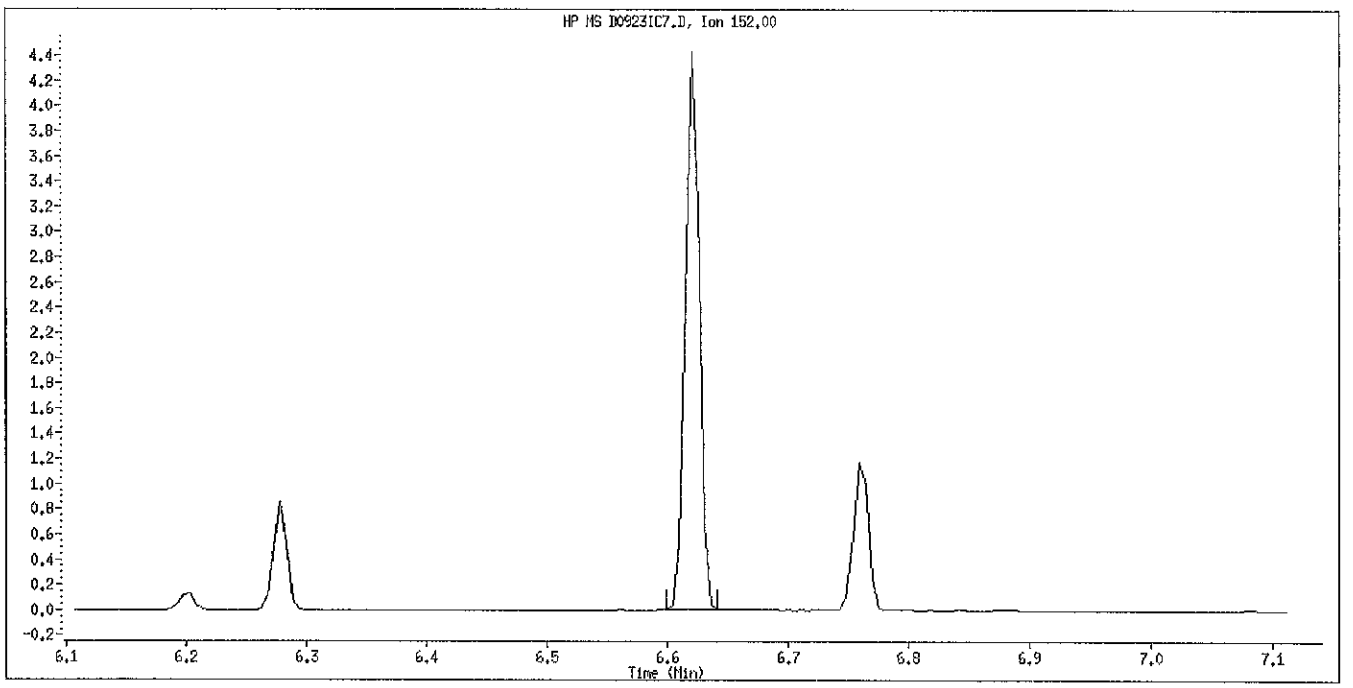
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: Acenaphthylene
CAS #: 208-96-8



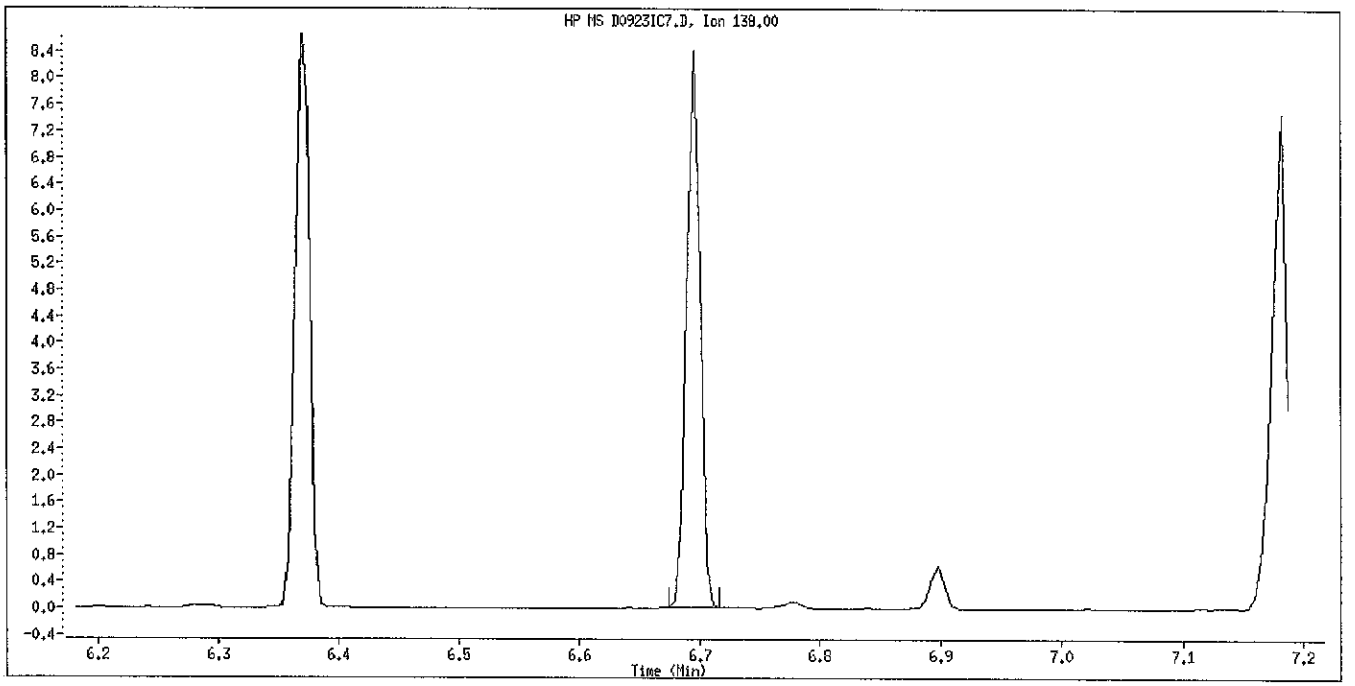
Original Integration



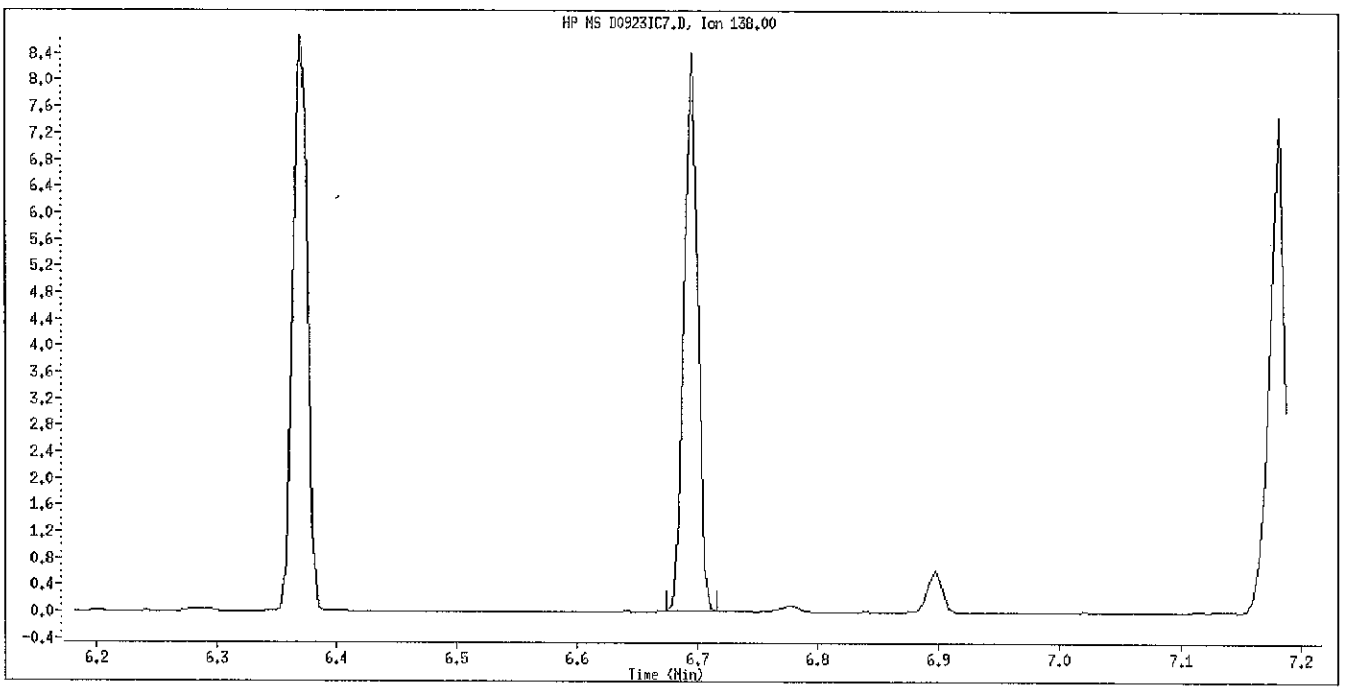
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: 3-Nitroaniline
CAS #: 99-09-2



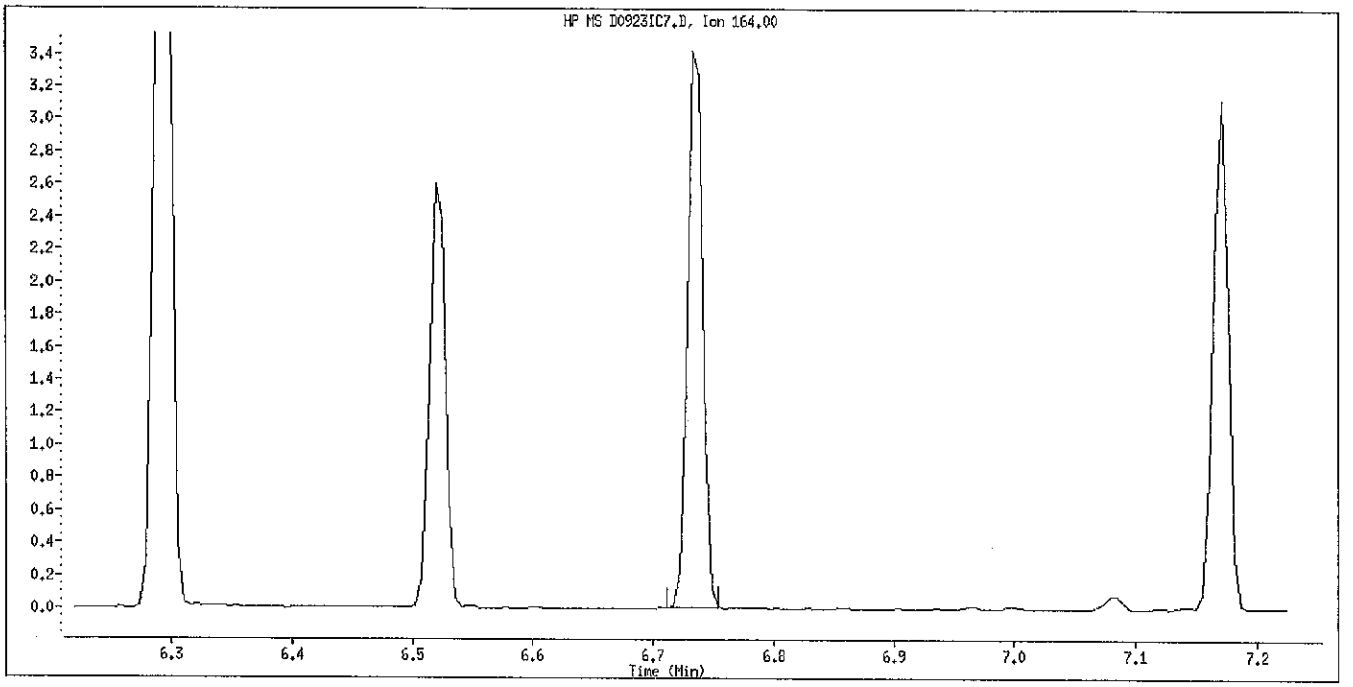
Original Integration



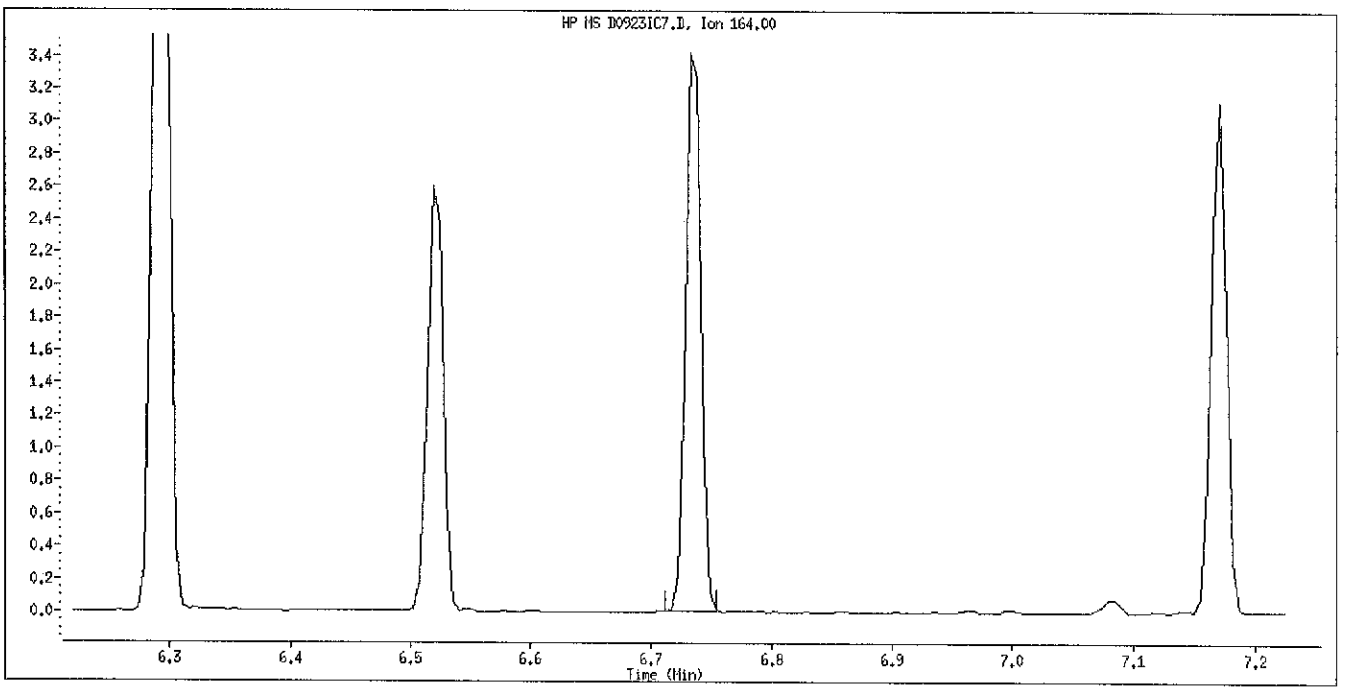
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: Acenaphthene-d10
CAS #: 15067-26-2



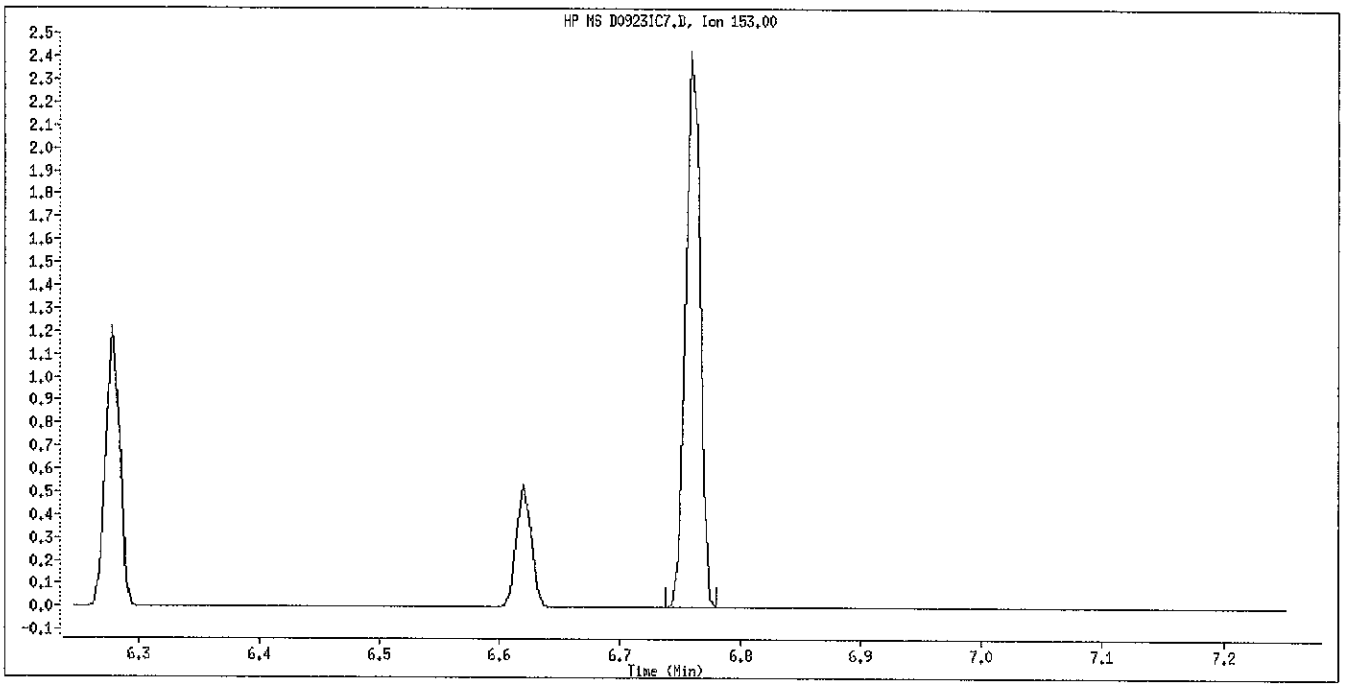
Original Integration



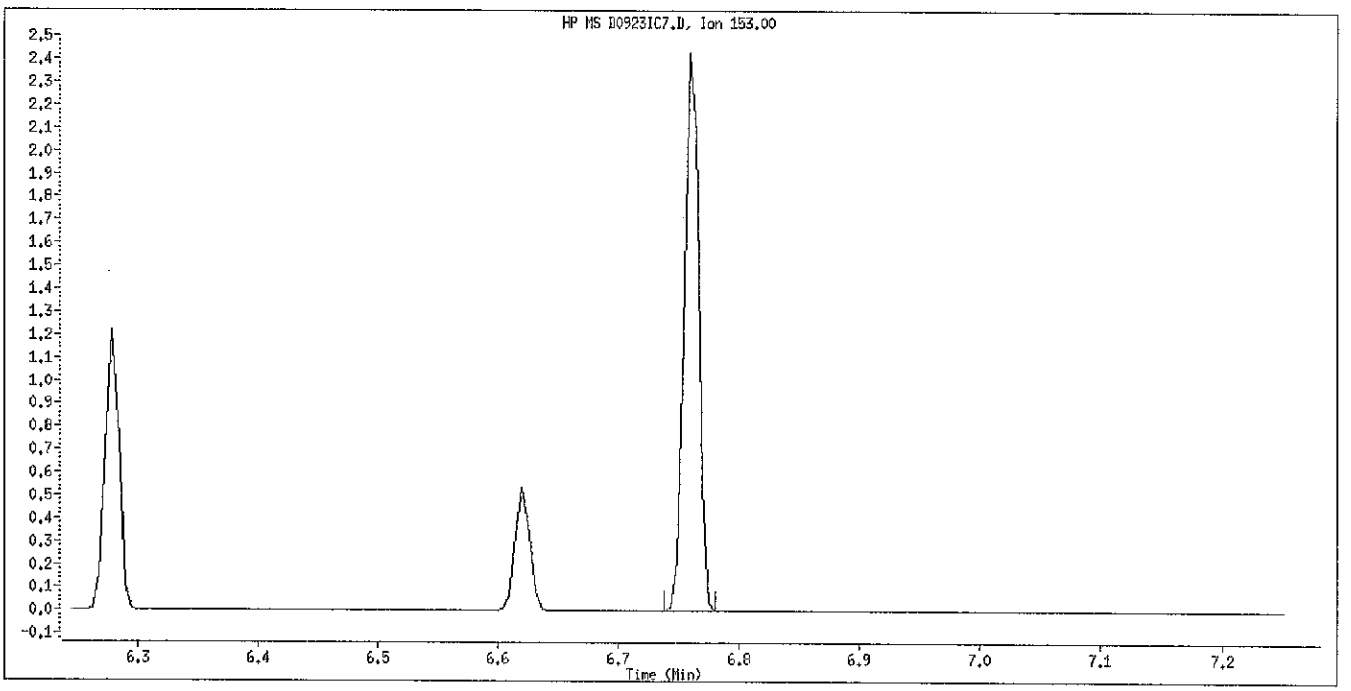
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: Acenaphthene
CAS #: 83-32-9



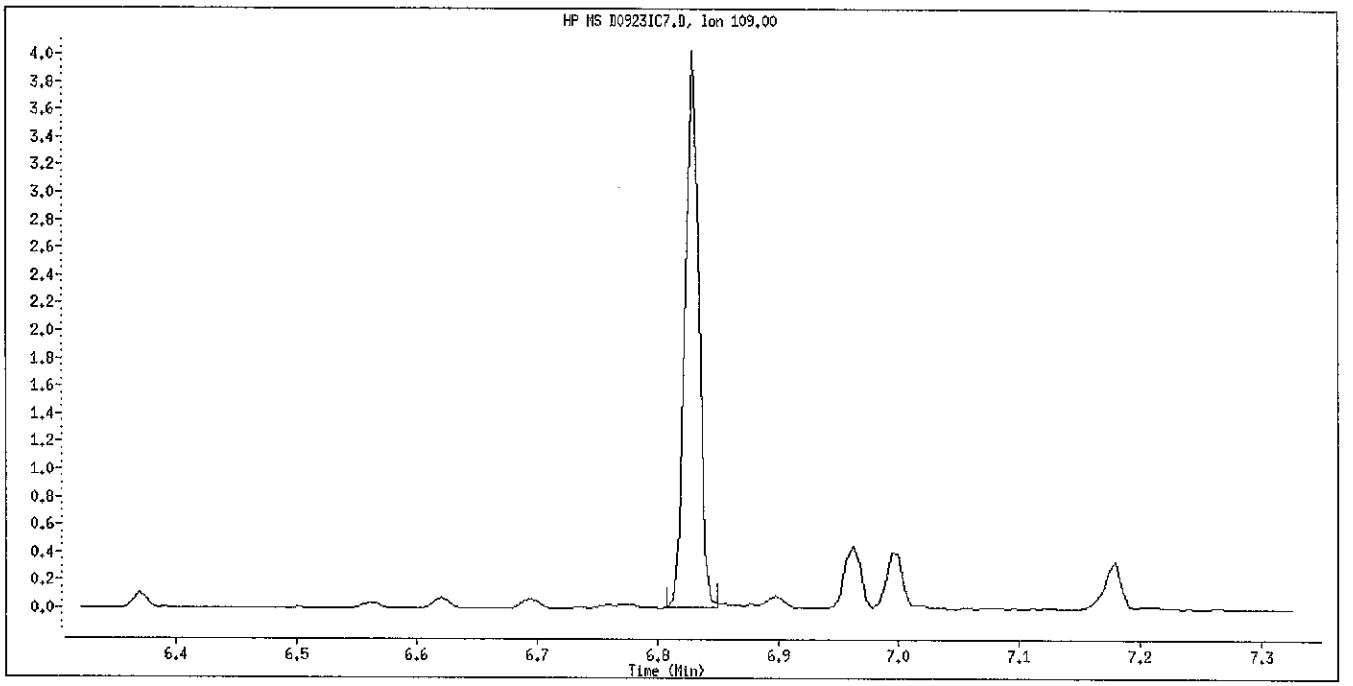
Original Integration



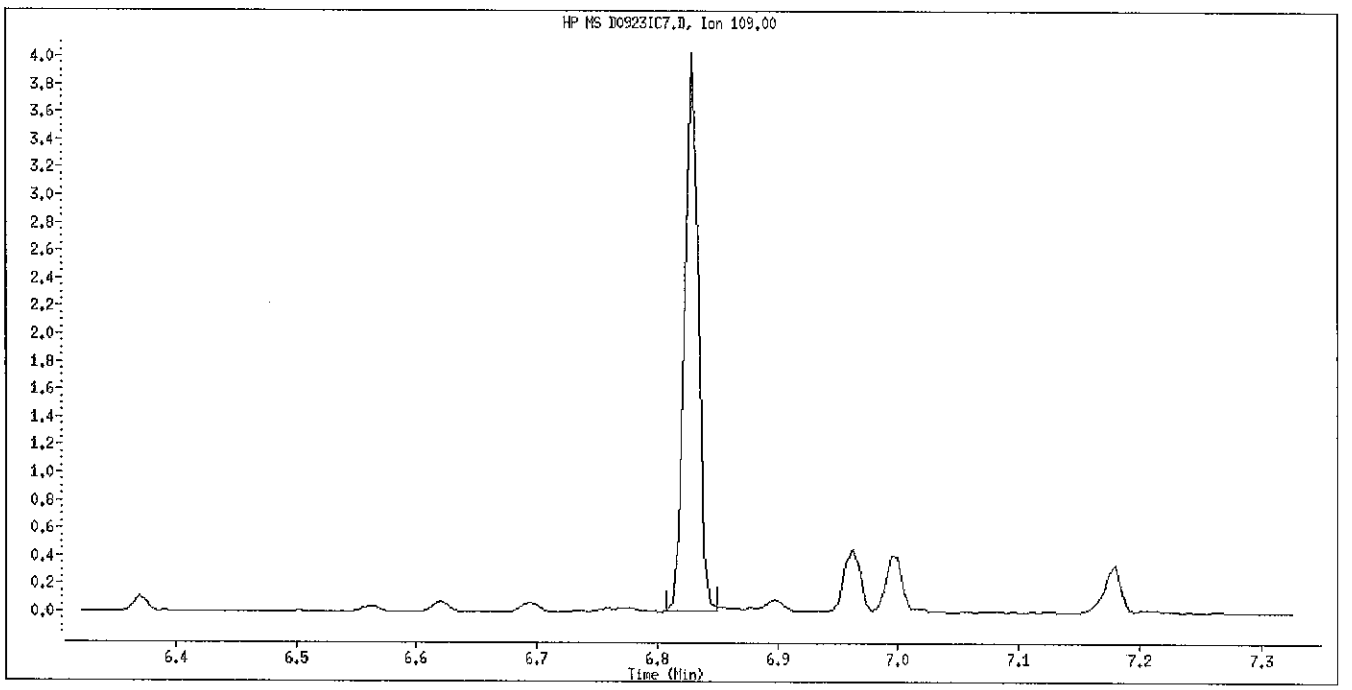
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: 4-Nitrophenol
CAS #: 100-02-7



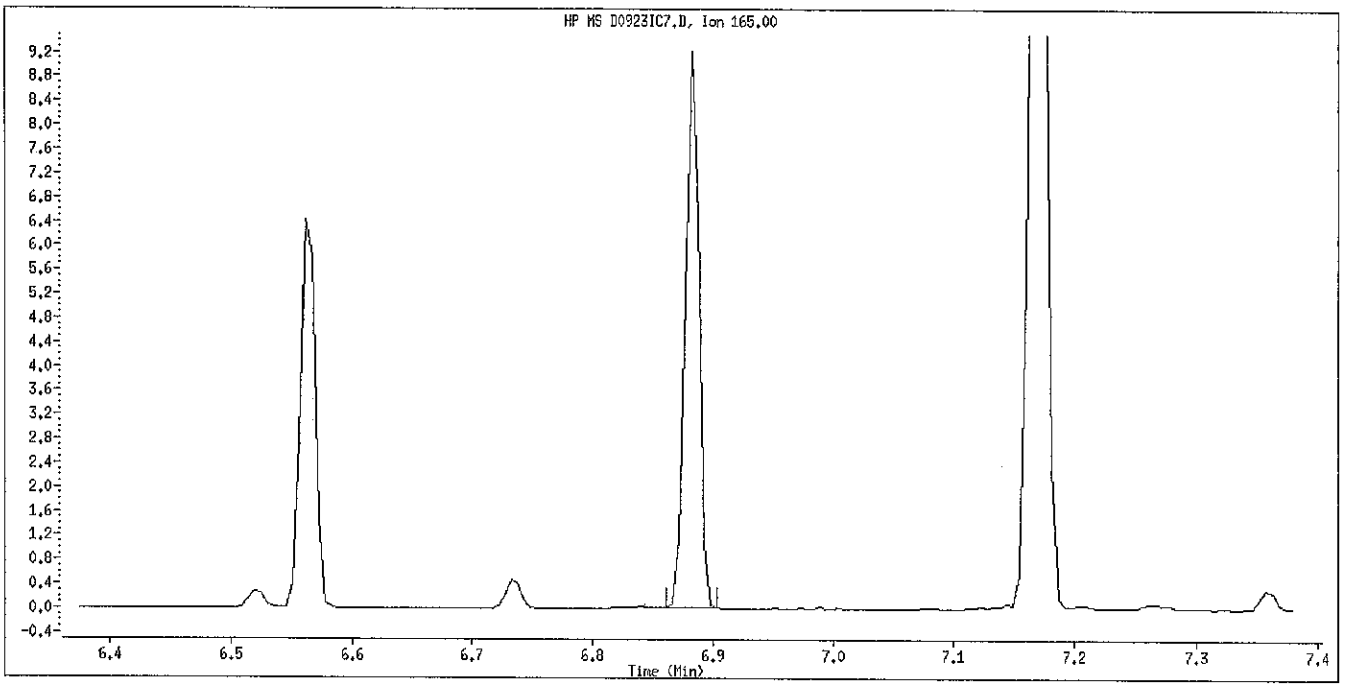
Original Integration



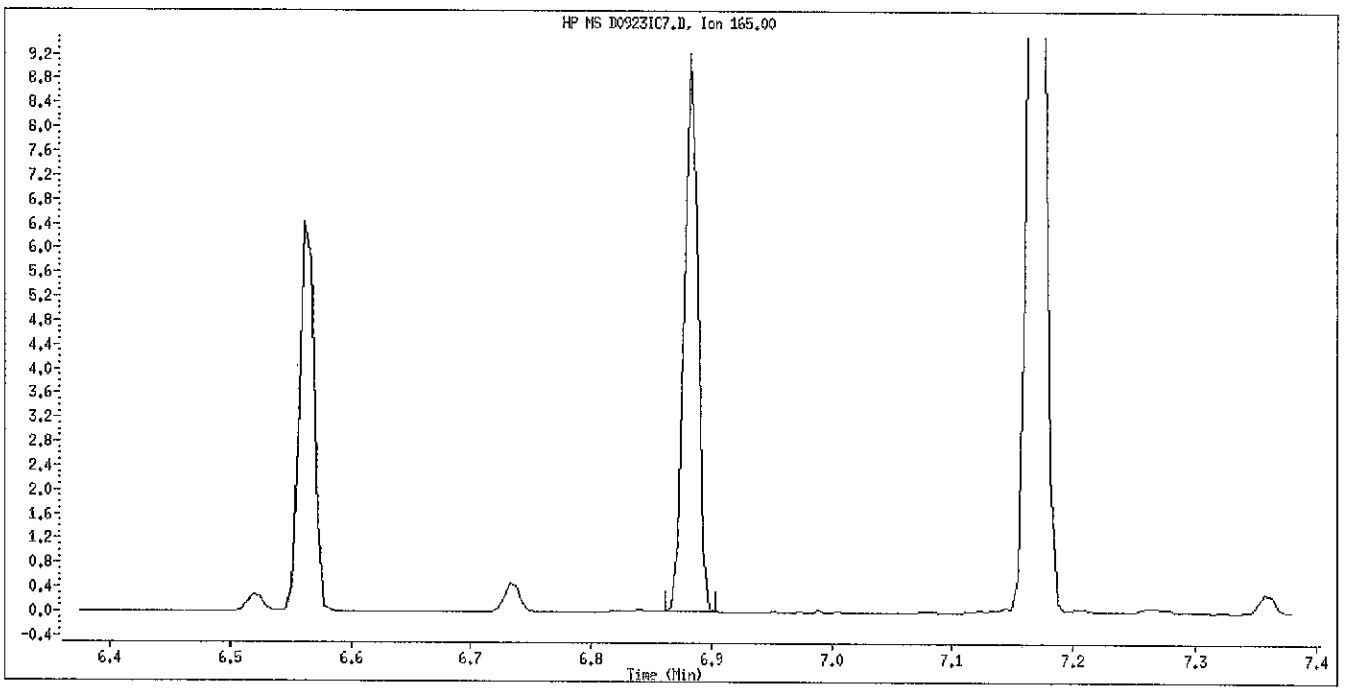
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: 2,4-Dinitrotoluene
CAS #: 121-14-2



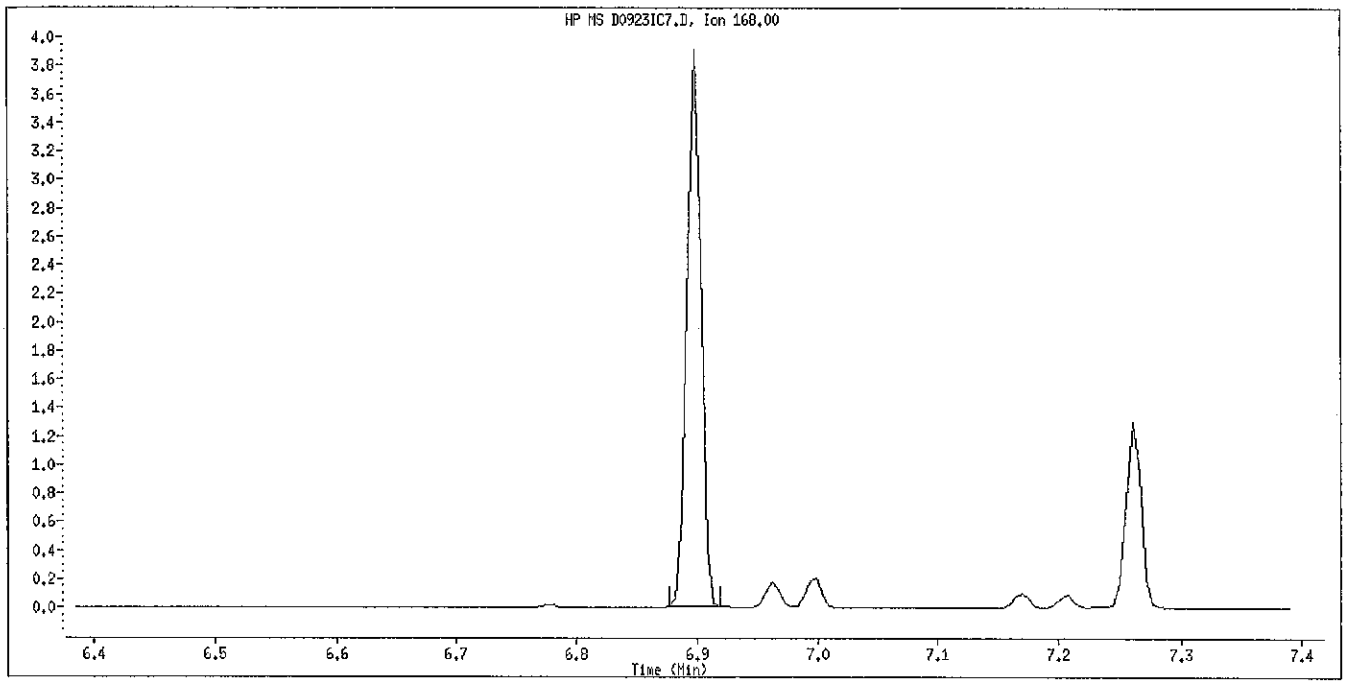
Original Integration



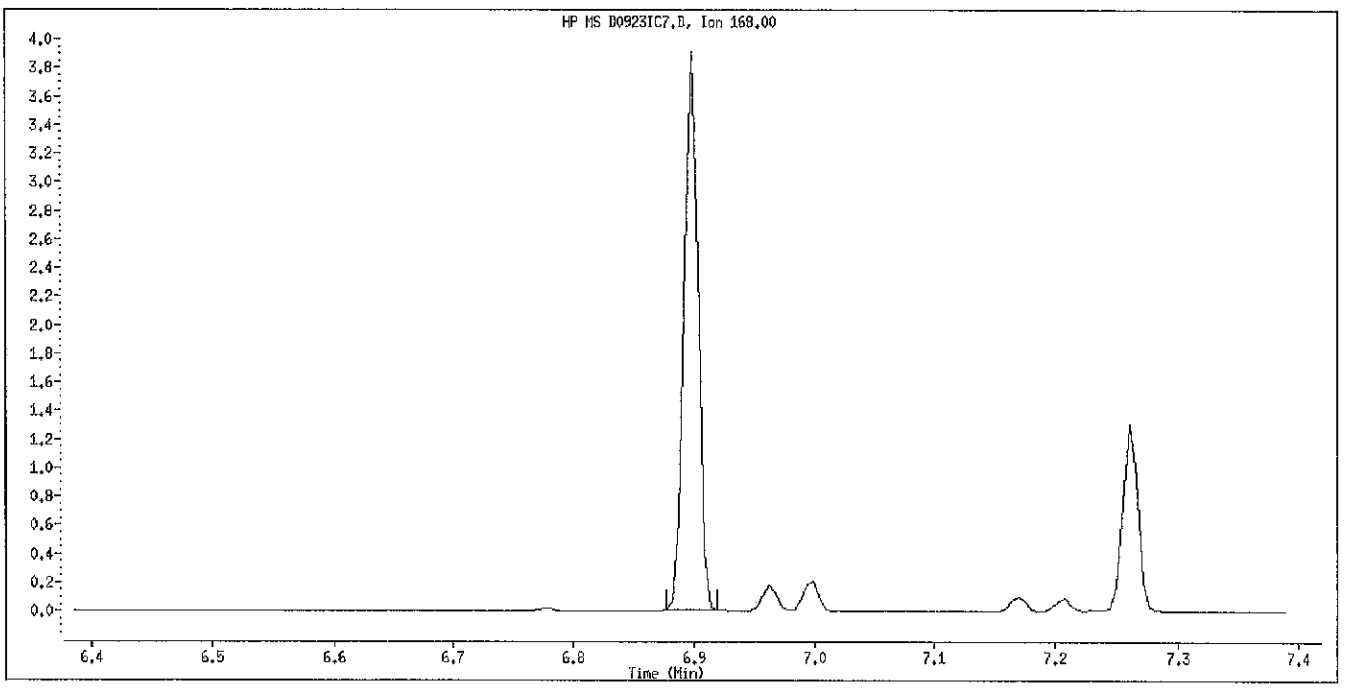
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: Dibenzofuran
CAS #: 132-64-9



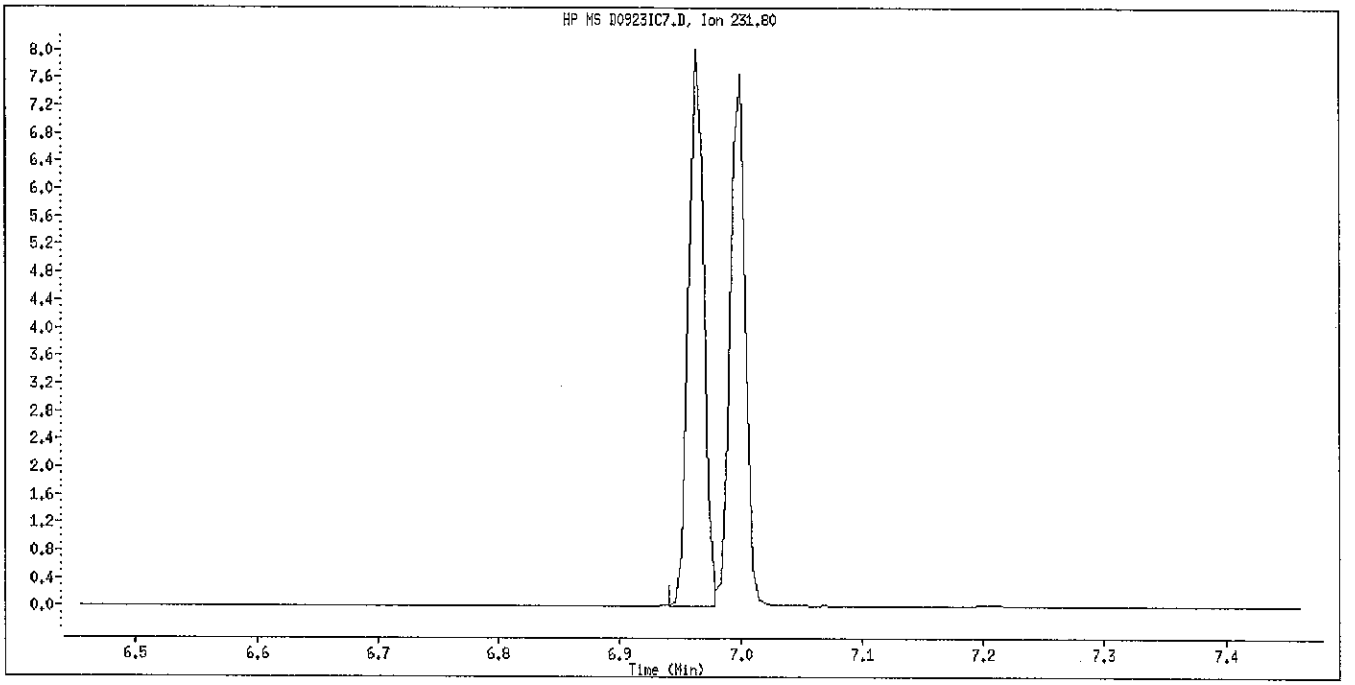
Original Integration



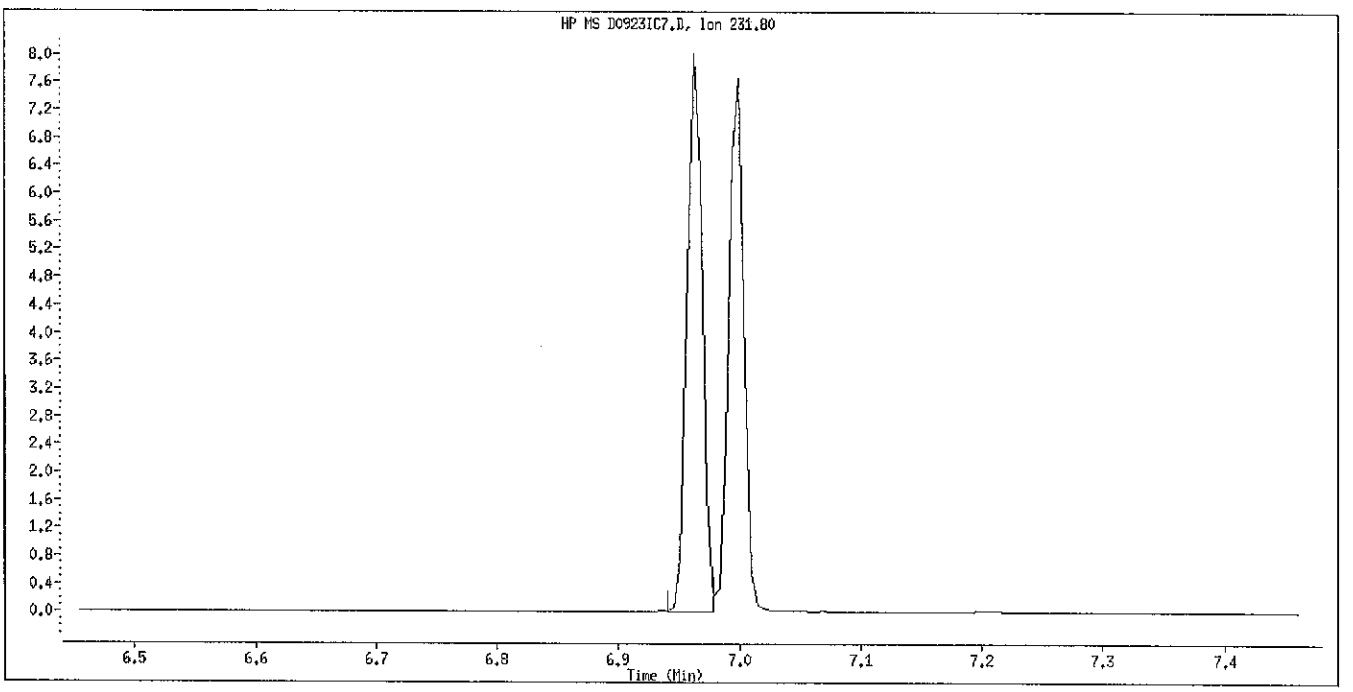
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: 2,3,5,6-Tetrachlorophenol
CAS #: 935-95-5



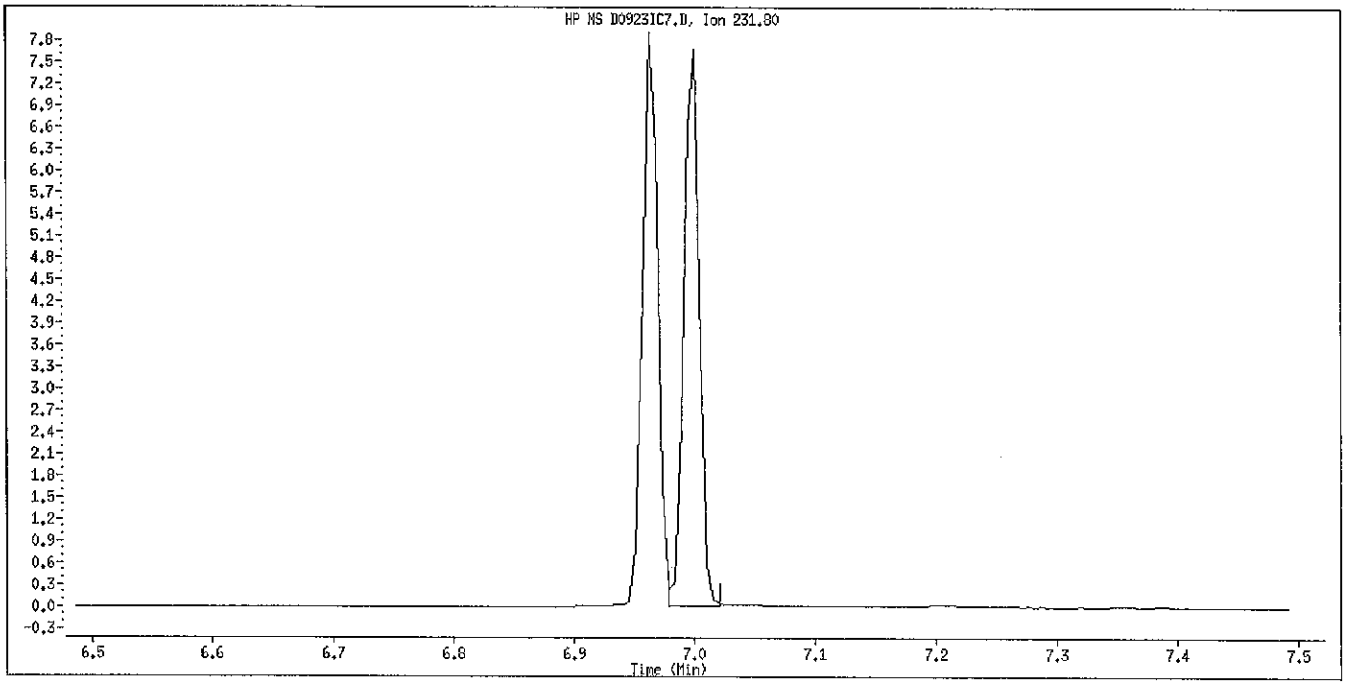
Original Integration



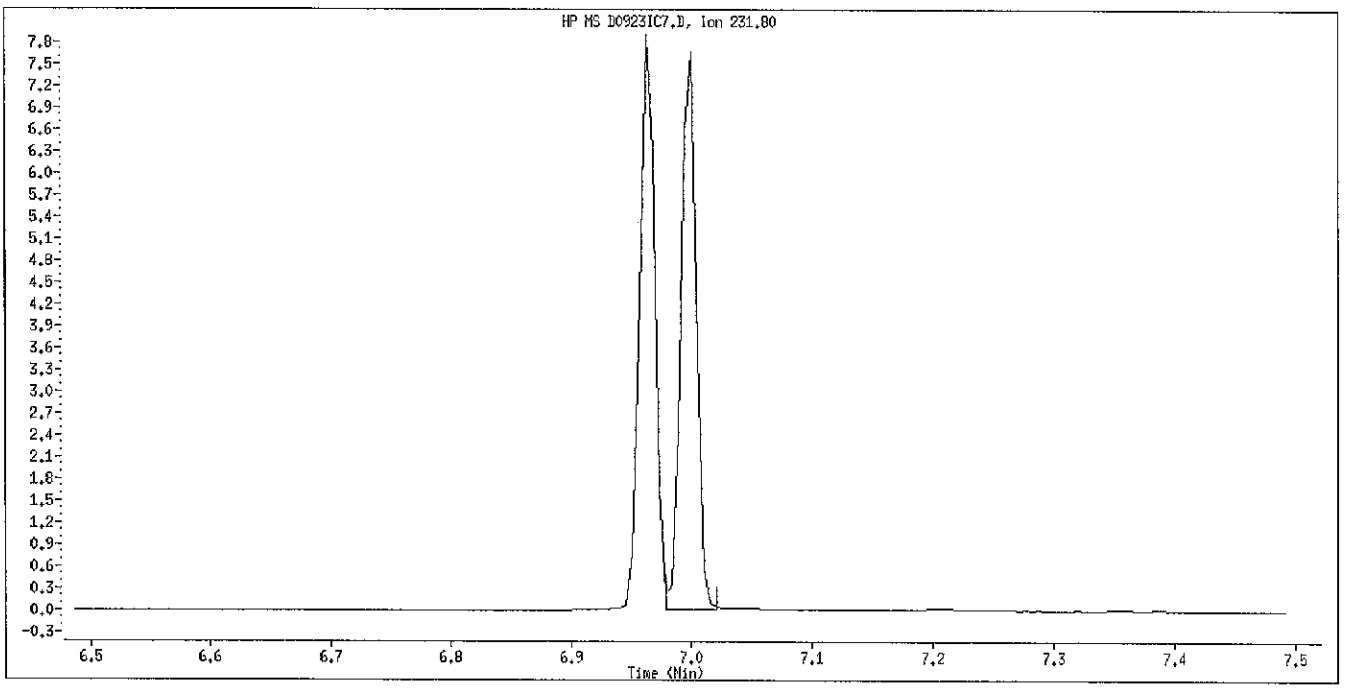
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: 2,3,4,6-Tetrachlorophenol
CAS #: 58-90-2



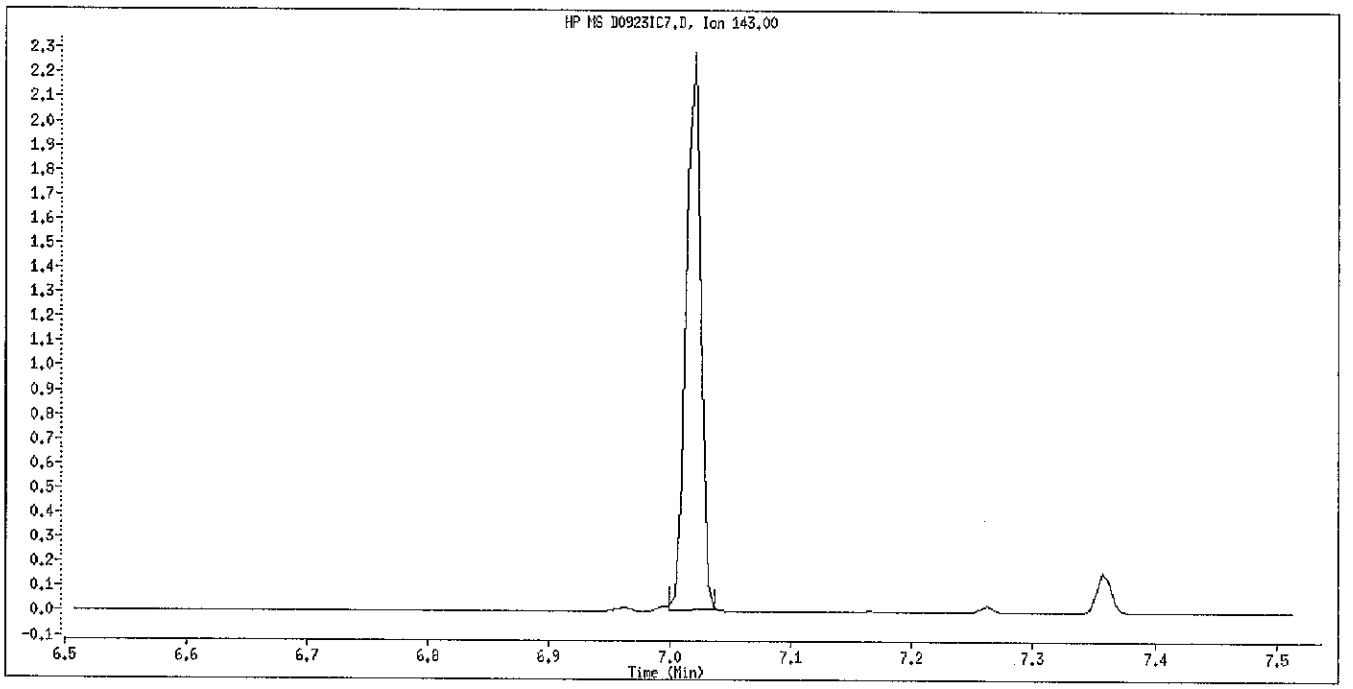
Original Integration



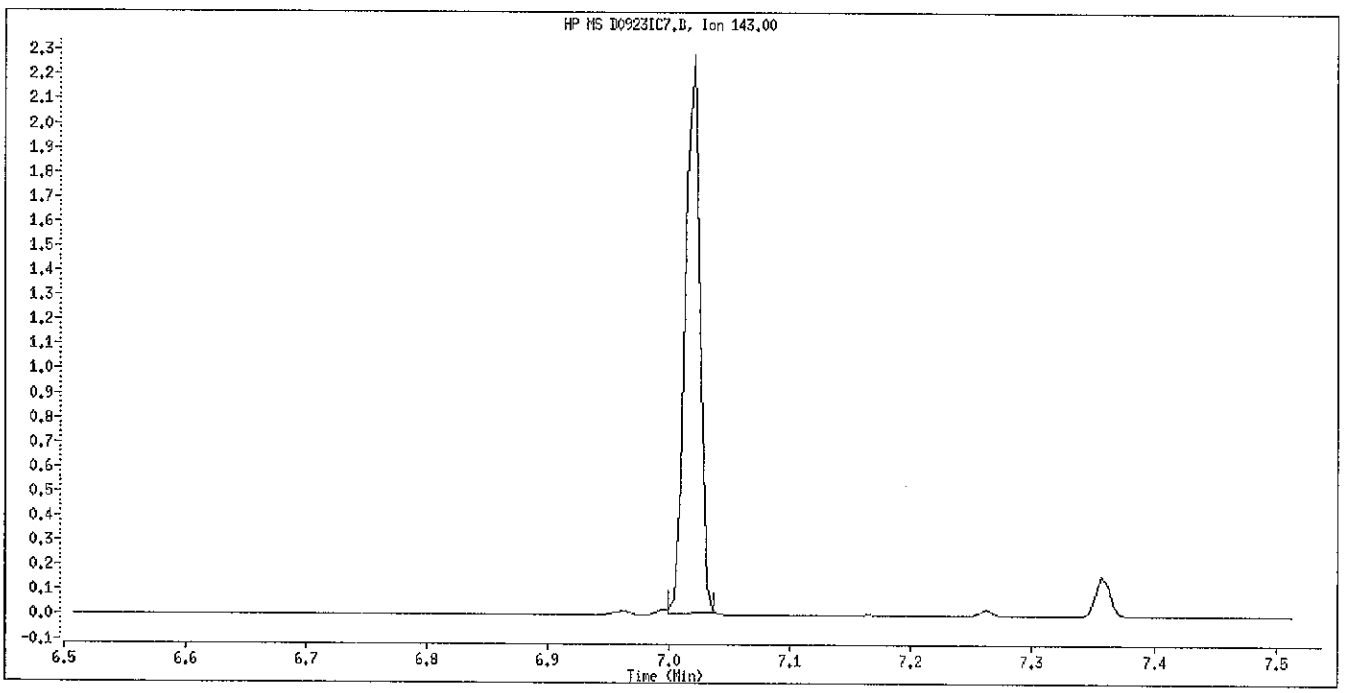
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: 2-Naphthylamine
CAS #: 91-59-8



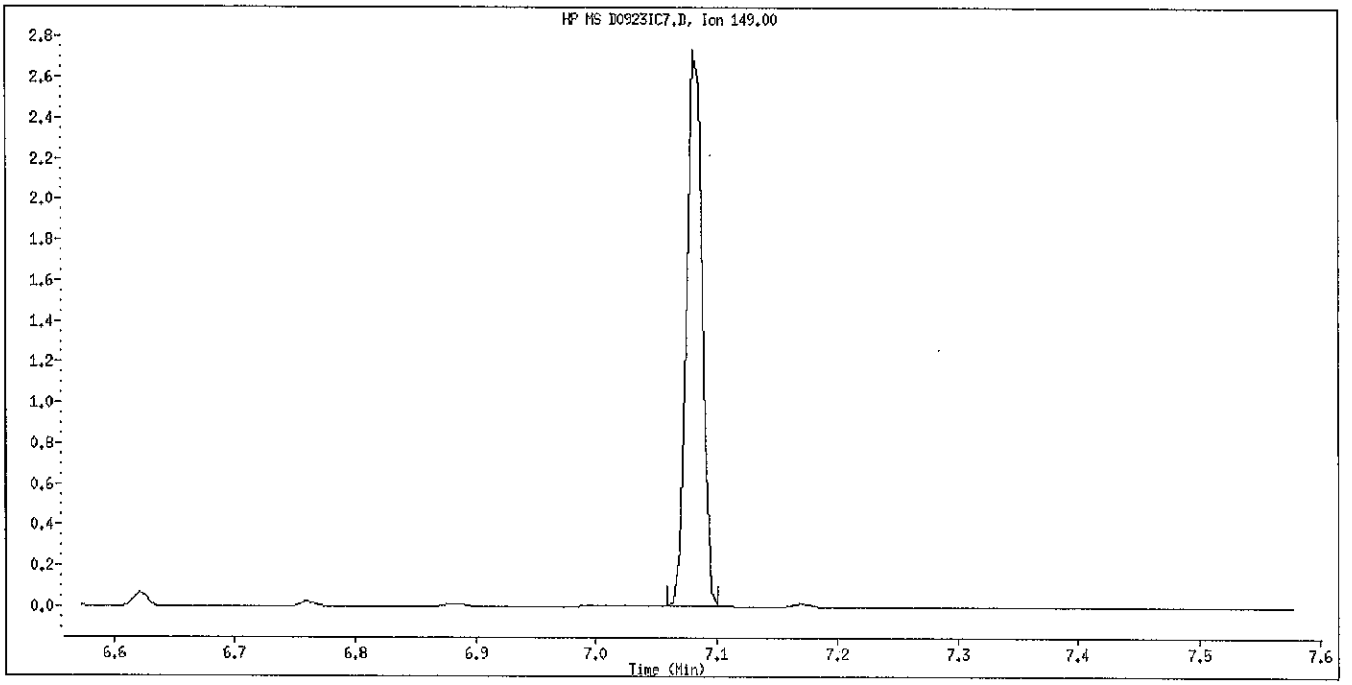
Original Integration



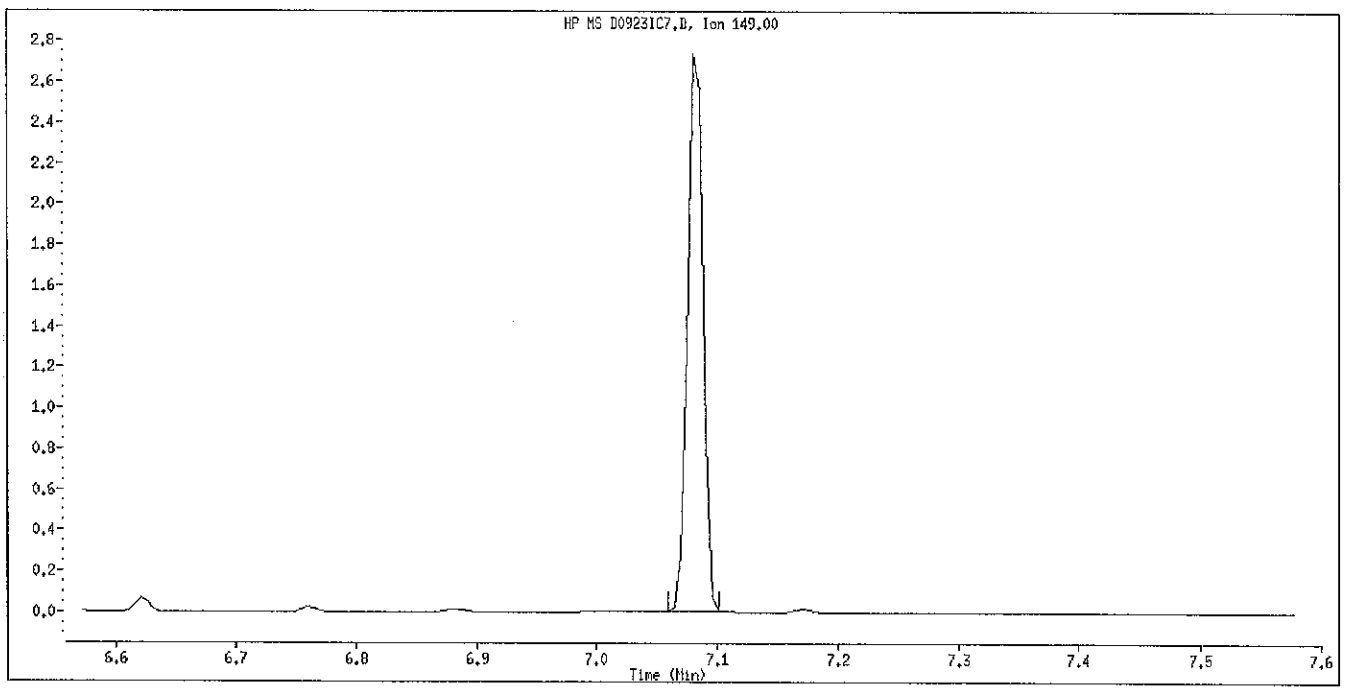
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: Diethylphthalate
CAS #: 84-66-2



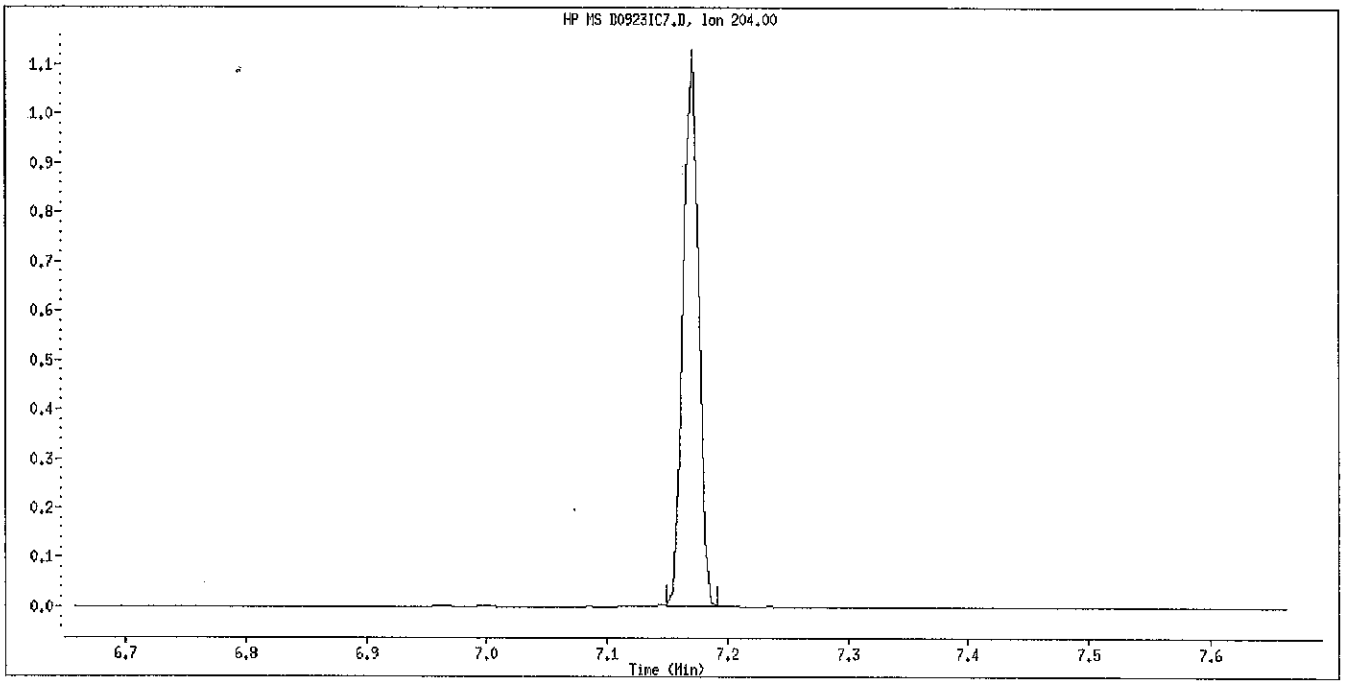
Original Integration



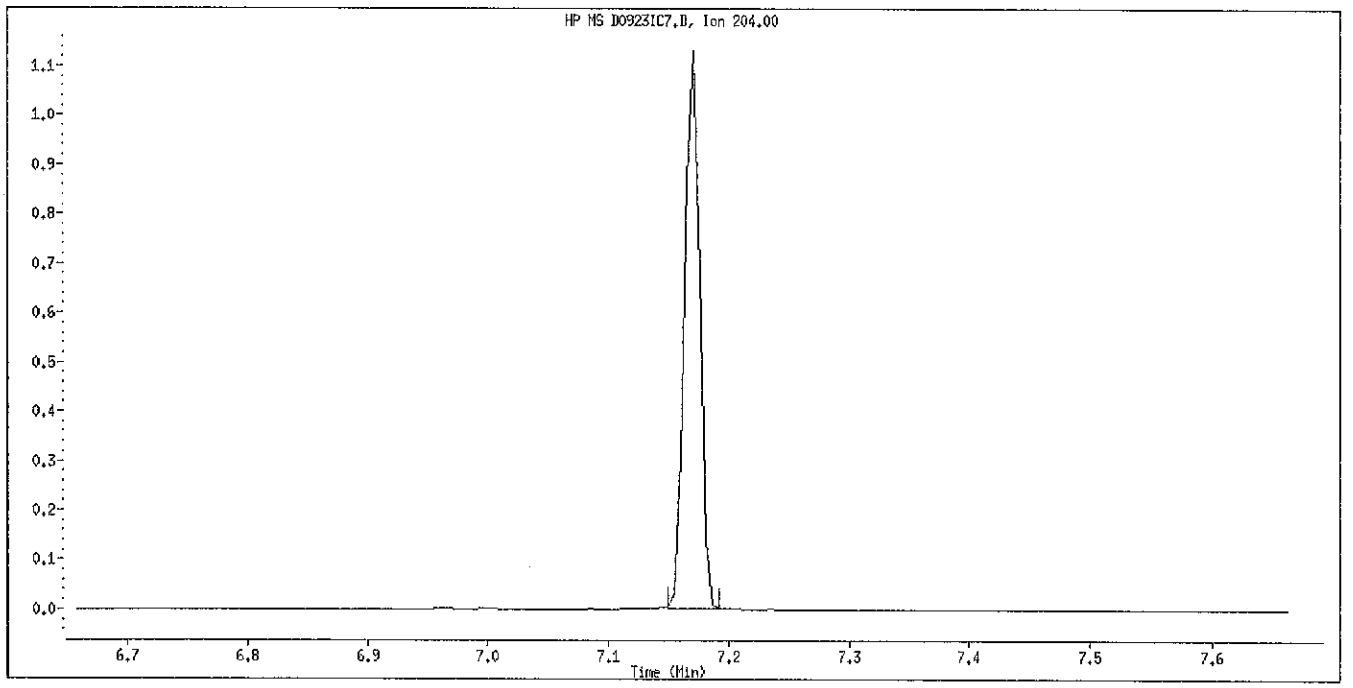
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: 4-Chlorophenyl-phenylether
CAS #: 7005-72-3



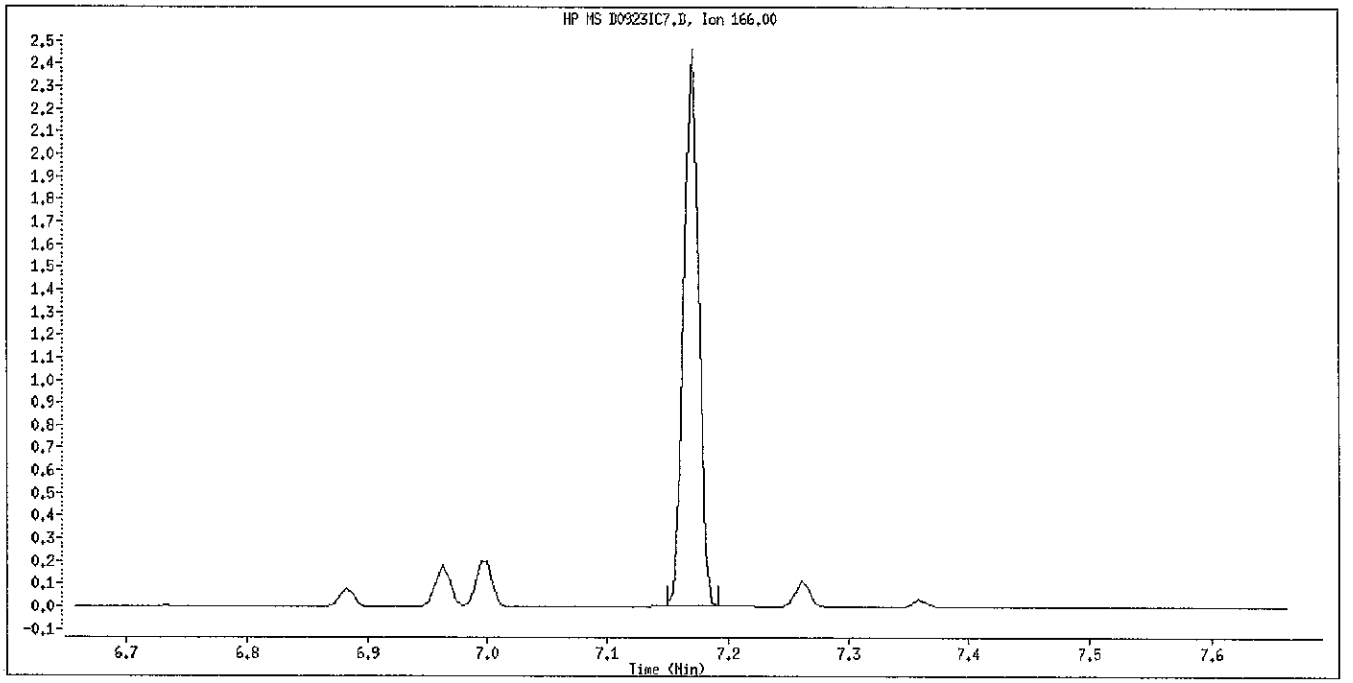
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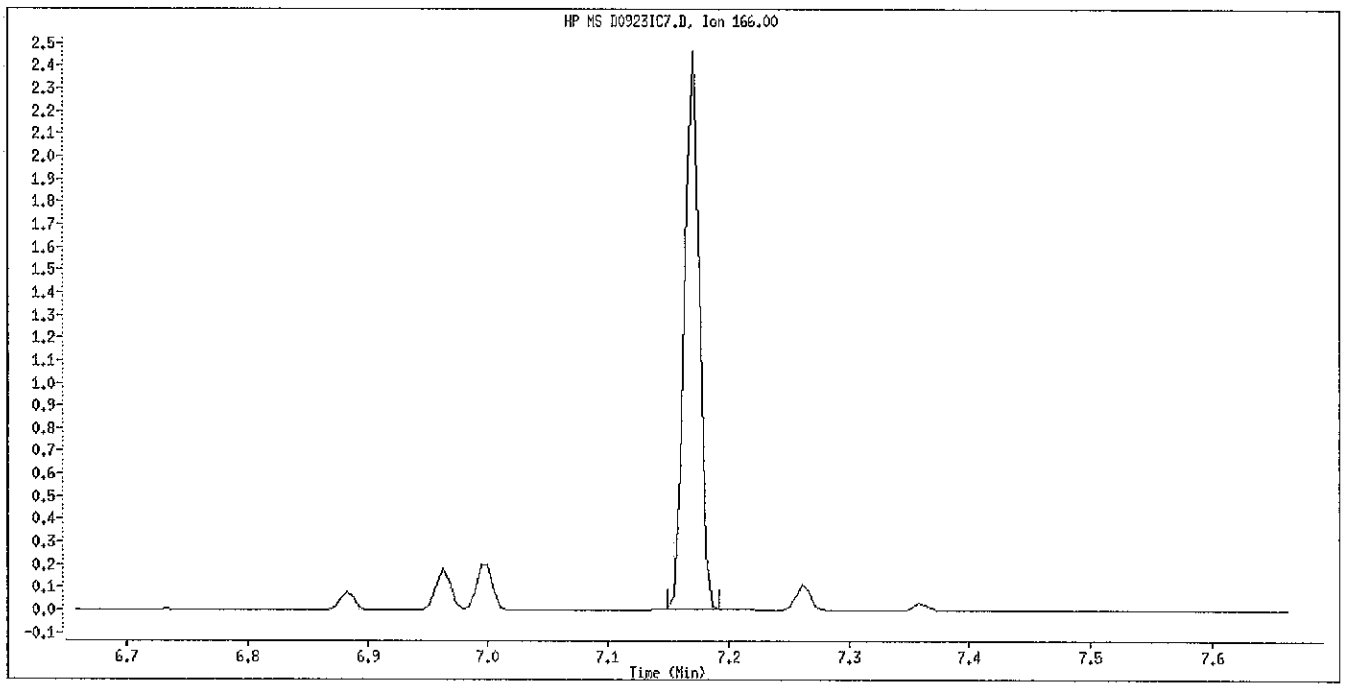
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: Fluorene
CAS #: 86-73-7



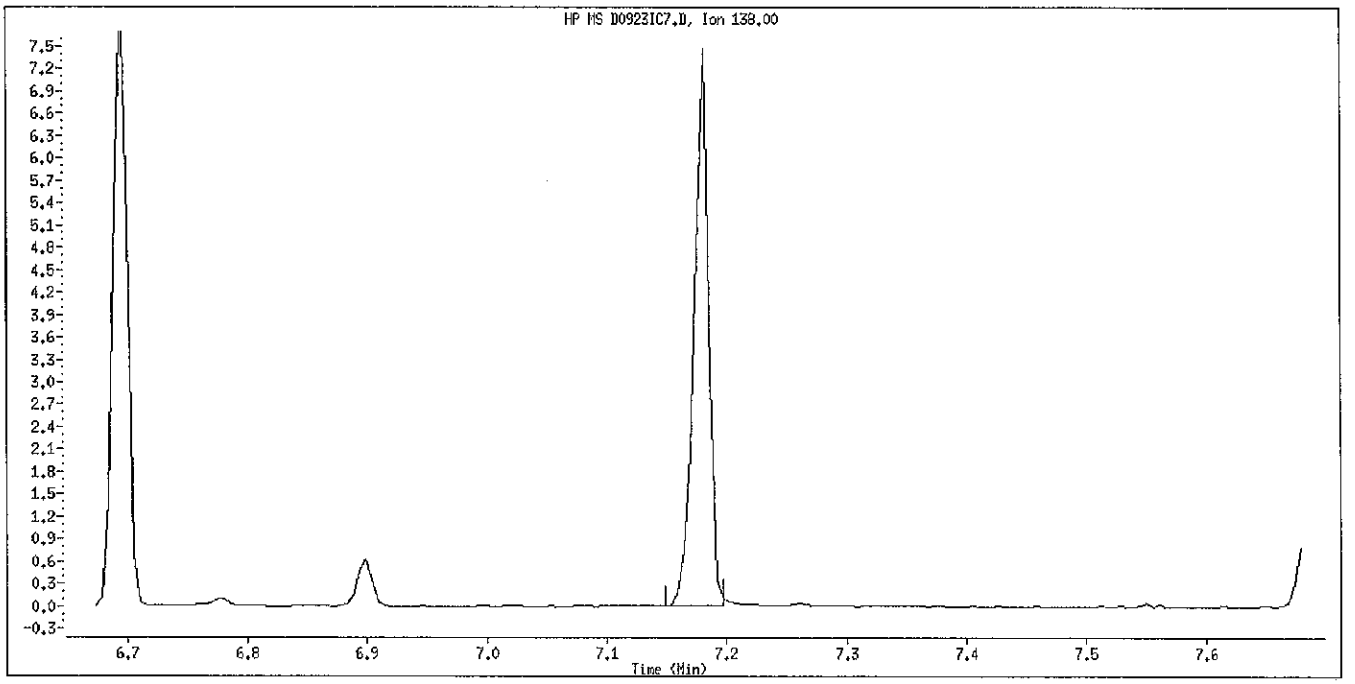
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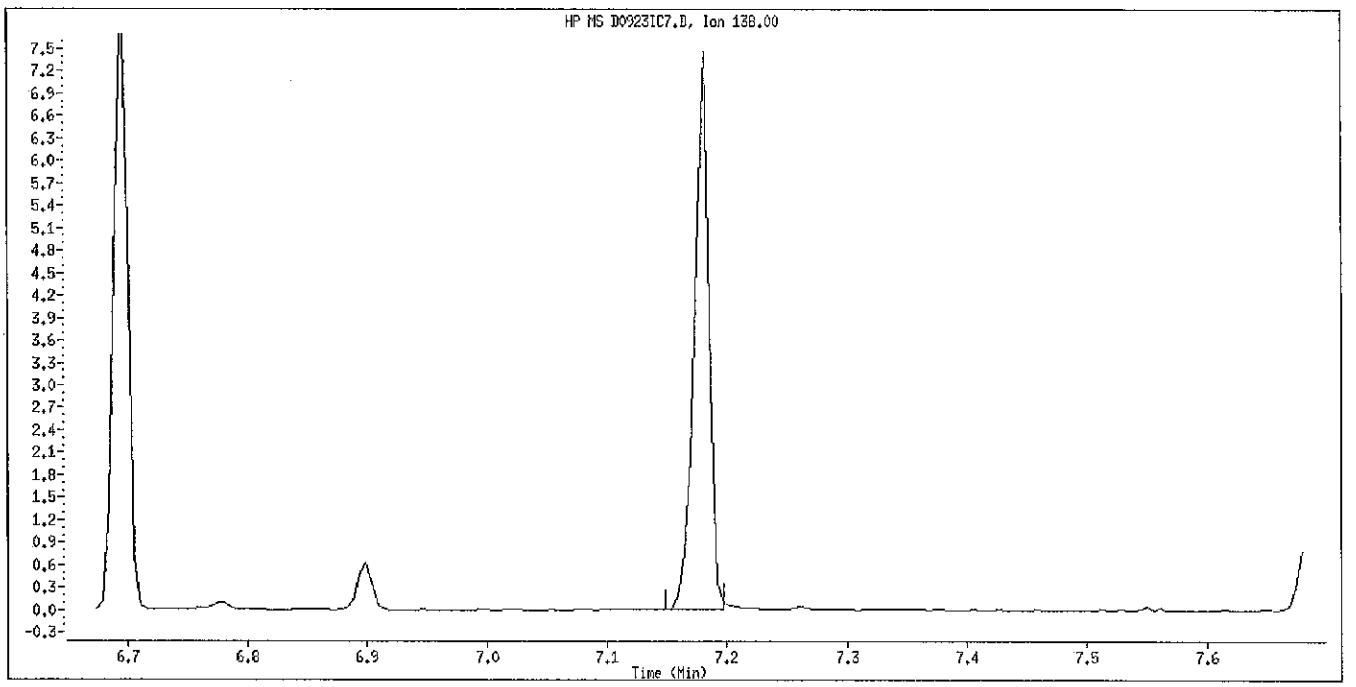
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: 4-Nitroaniline
CAS #: 100-01-6



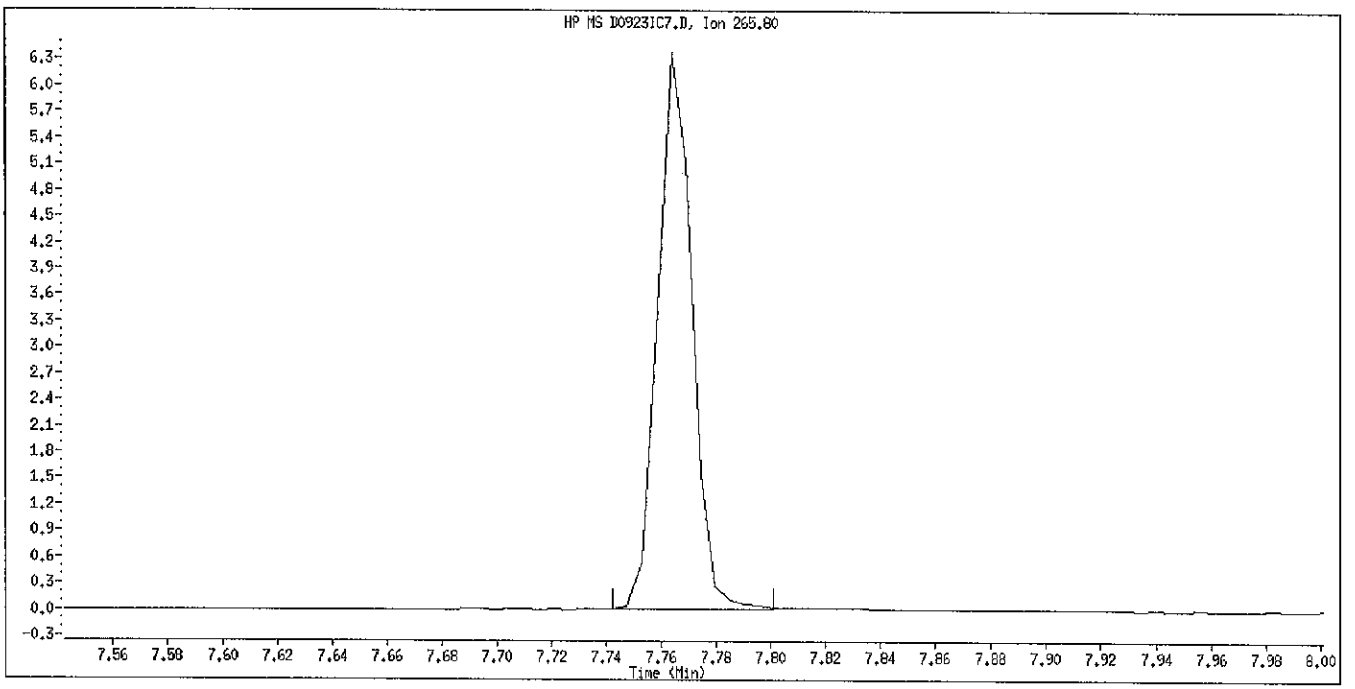
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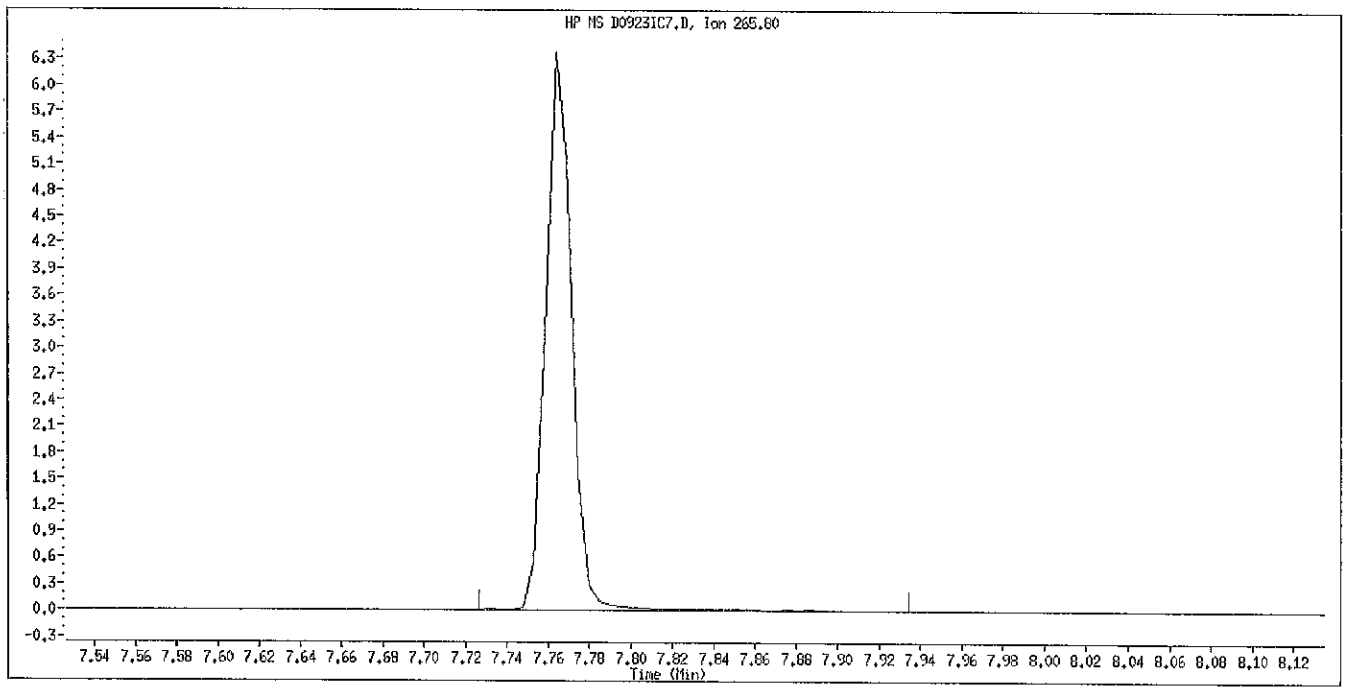
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: Pentachlorophenol
CAS #: 87-86-5



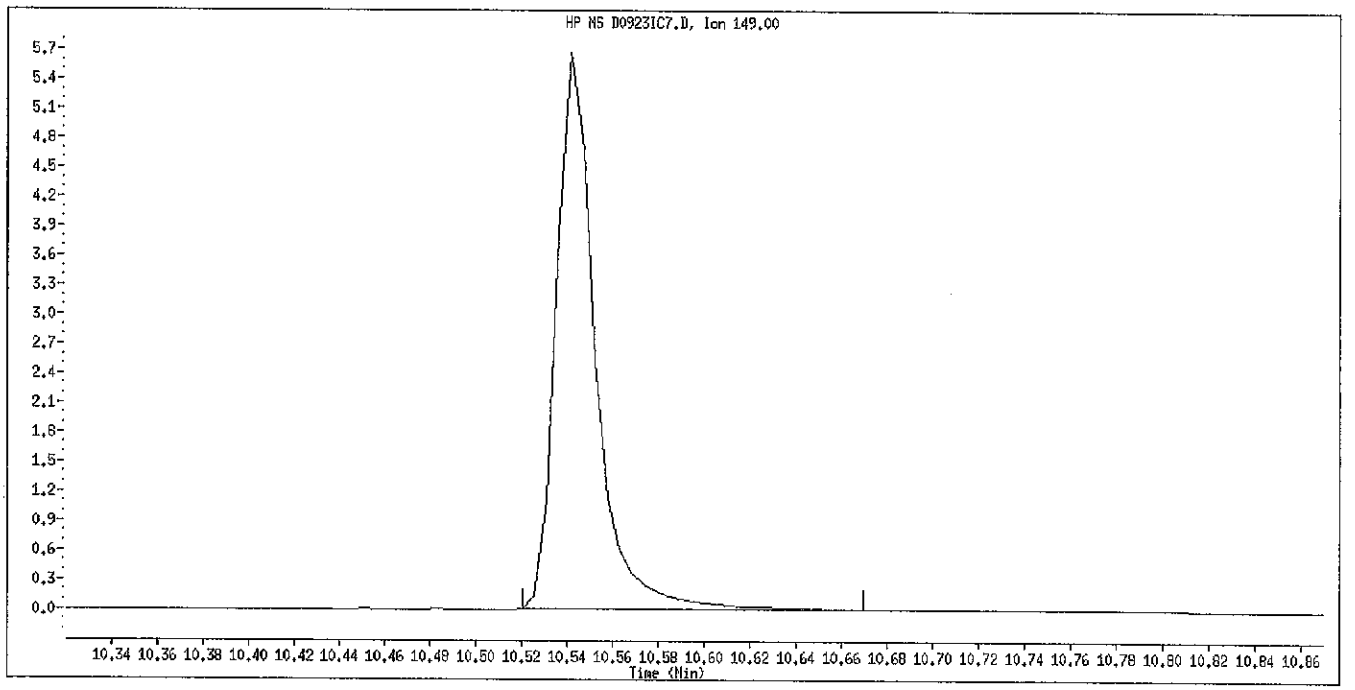
Original Integration



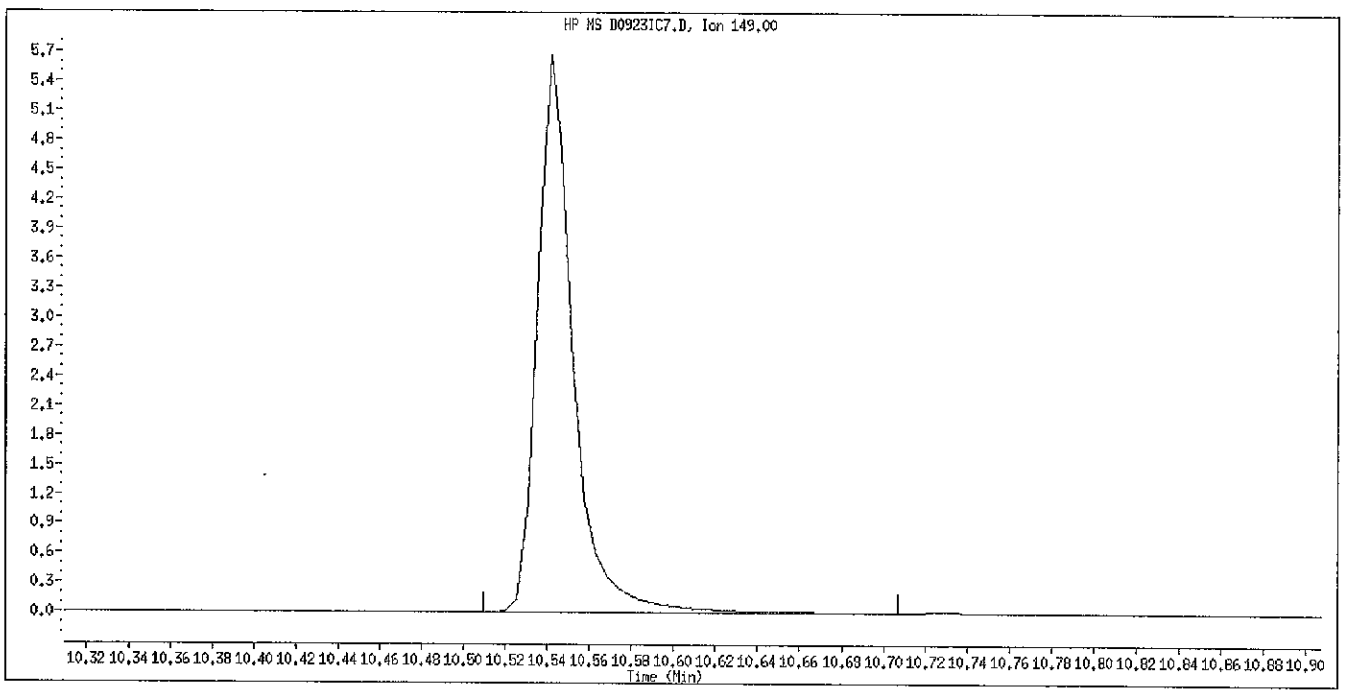
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: Di-n-octylphthalate
CAS #: 117-84-0



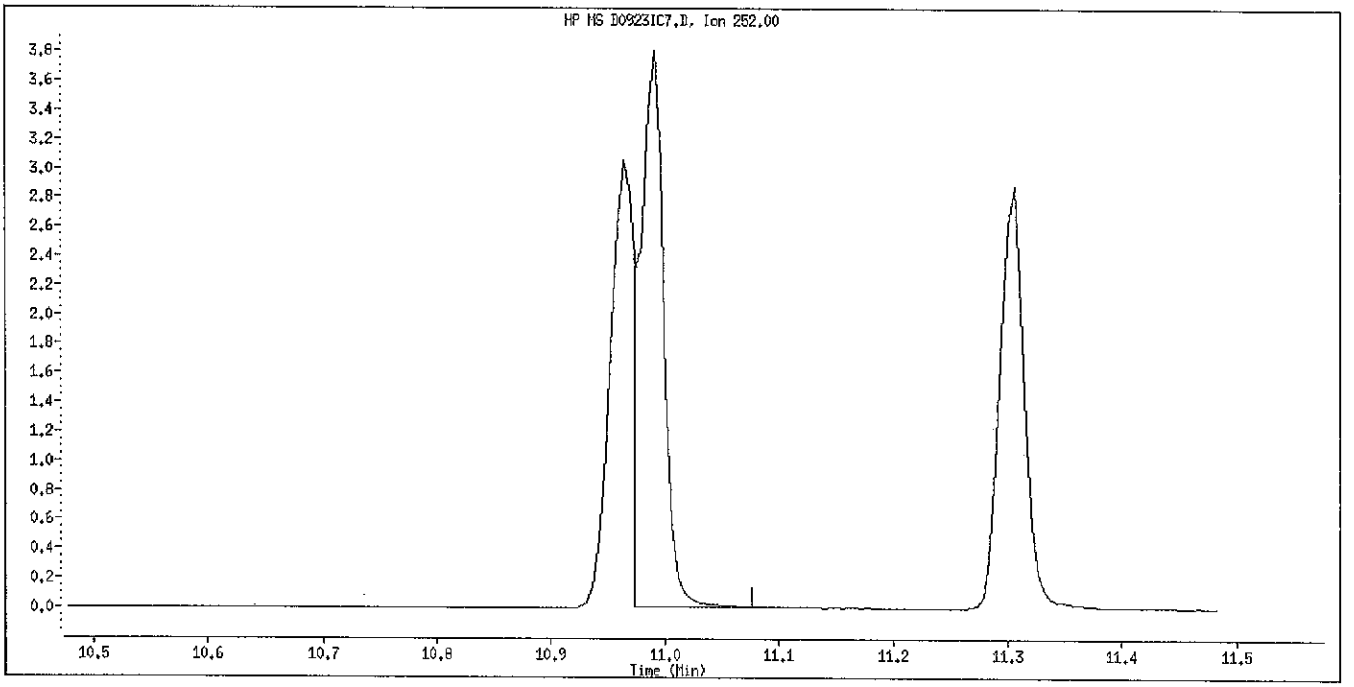
Original Integration



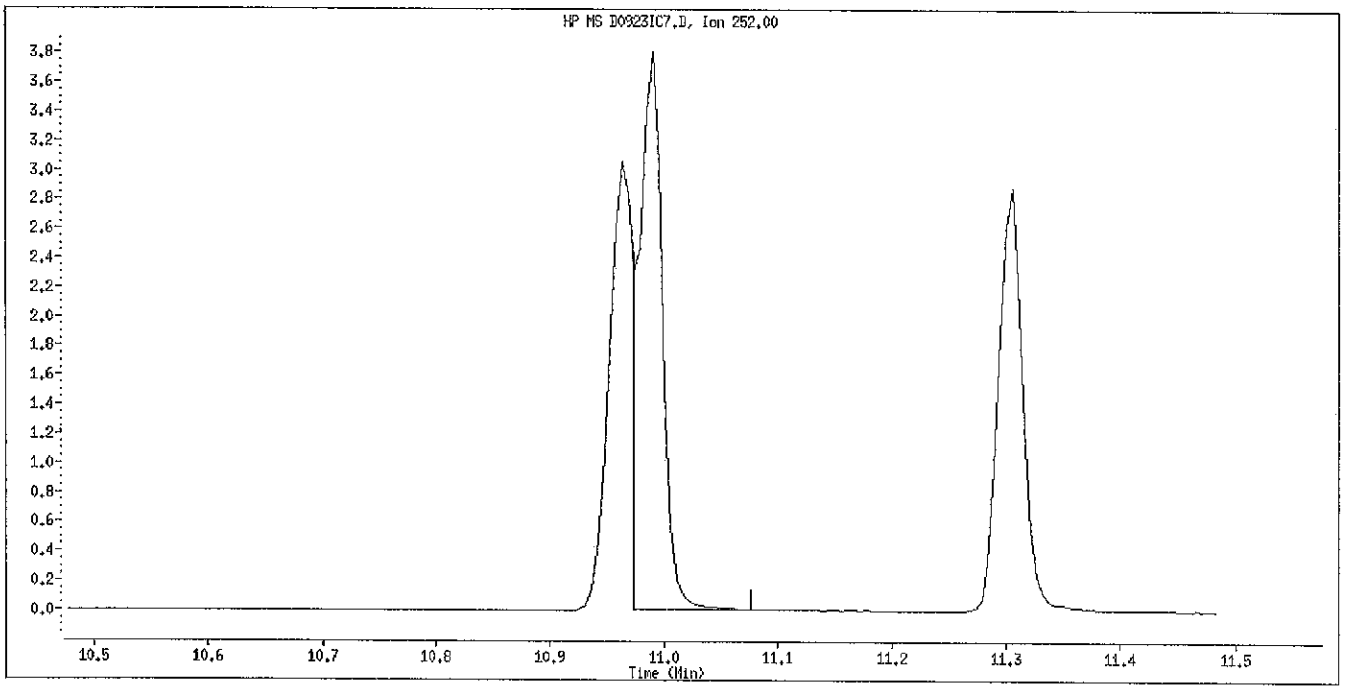
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Unknown

Data File Name: D0923IC7.D
Inj. Date and Time: 23-SEP-2010 20:09
Instrument ID: 732.i
Client ID: sstd60
Compound Name: Benzo(k)fluoranthene
CAS #: 207-08-9



Original Integration



Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File: \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC8.D

Date : 23-SEP-2010 20:29

Client ID: sstd80

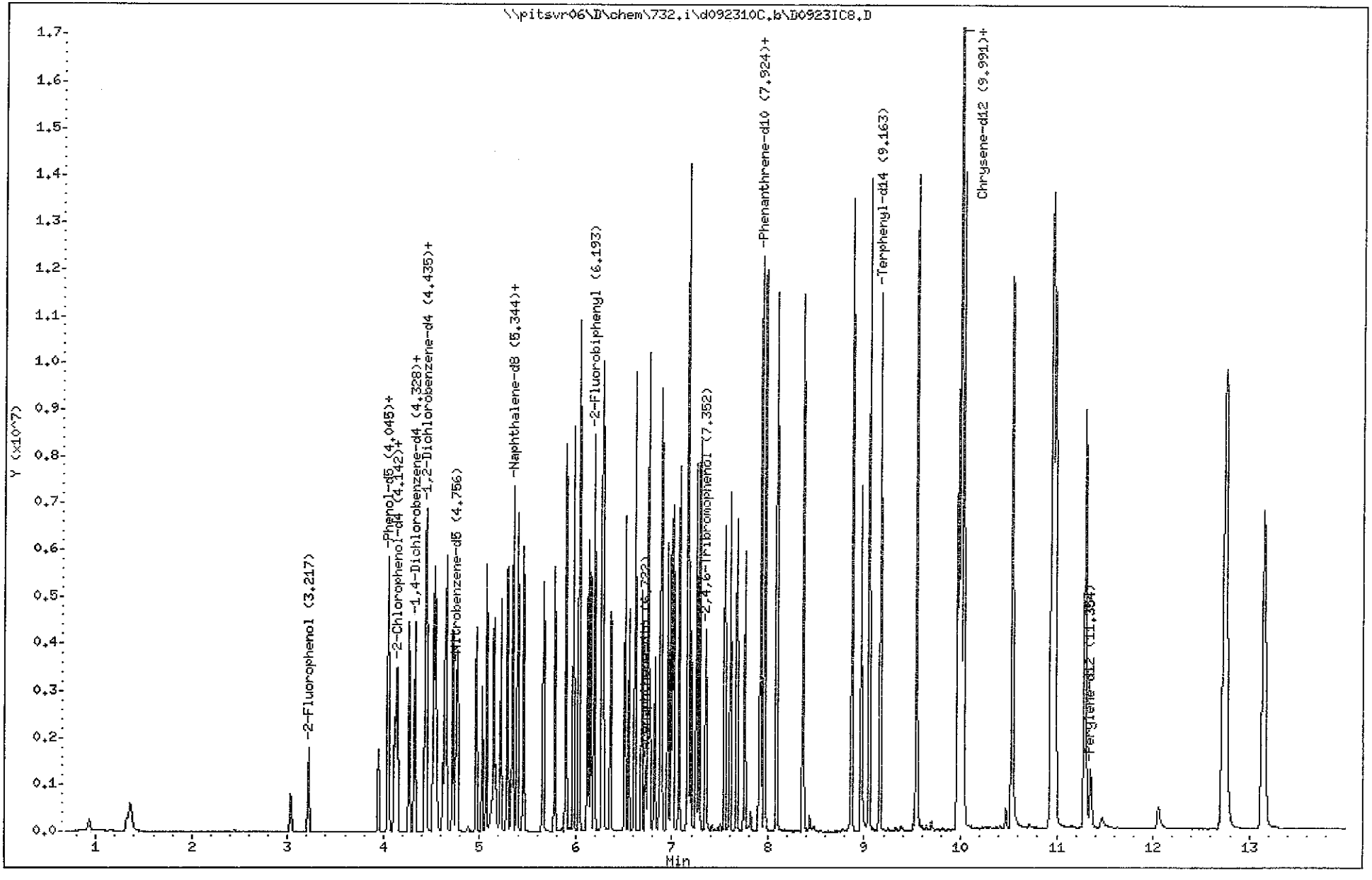
Sample Info: SSTD80(40ug/ml) BNA0667-10

Column phase: DB5-MS

Instrument: 732.i

Operator: 430261nc

Column diameter: 0.32



C0K030562 1369 (1001 - 1489)

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC8.D
Lab Smp Id: sstd80 Client Smp ID: sstd80
Inj Date : 23-SEP-2010 20:29
Operator : 430261nc Inst ID: 732.i
Smp Info : SSTD80(40ug/ml) BNA0667-10
Misc Info : sstd80,d092310C.b,11.m,3-root.sub,1,8
Comment :
Method : \\pitsvr06\D\chem\732.i\d092310C.b\11.m
Meth Date : 27-Sep-2010 11:57 campisin Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 9 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.312	4.312	(1.000)	82856	8.00000	(Q)
* 2	Naphthalene-d8	136	5.327	5.327	(1.000)	384716	8.00000	
* 3	Acenaphthene-d10	164	6.721	6.722	(1.000)	298630	8.00000	(H)
* 4	Phenanthrene-d10	188	7.902	7.902	(1.000)	550950	8.00000	
* 5	Chrysene-d12	240	10.007	10.007	(1.000)	542698	8.00000	
* 6	Perylene-d12	264	11.353	11.354	(1.000)	622431	8.00000	
198	1,4-Dioxane	88	0.925	0.925	(0.215)	185817	80.0000	70.855(A)
10	N-Nitrosodimethylamine	74	1.331	1.331	(0.309)	260056	80.0000	81.063(A)
9	Pyridine	79	1.363	1.364	(0.316)	494105	80.0000	79.348(A)
16	Methyl methanesulfonate	80	3.030	3.030	(0.703)	351365	80.0000	76.323(A)
206	Benzaldehyde	77	3.943	3.944	(0.915)	387556	80.0000	52.607(A)
21	Aniline	93	4.045	4.045	(0.938)	1161491	80.0000	65.933(A)
22	Phenol	94	4.050	4.051	(0.939)	1042668	80.0000	67.774(A)
23	bis(2-Chloroethyl)ether	93	4.109	4.109	(0.953)	805006	80.0000	70.345(A)
24	2-Chlorophenol	128	4.141	4.142	(0.960)	968756	80.0000	72.636(A)
26	1,3-Dichlorobenzene	146	4.264	4.264	(0.989)	1196387	80.0000	72.478(A)
27	1,4-Dichlorobenzene	146	4.328	4.328	(1.004)	1210614	80.0000	71.796(A)
28	1,2-Dichlorobenzene	146	4.446	4.446	(1.031)	1121012	80.0000	68.055(A)
29	Benzyl Alcohol	108	4.429	4.430	(1.027)	552706	80.0000	68.488(A)
217	Indene	116	4.520	4.521	(1.048)	1708261	80.0000	71.642
30	2-Methylphenol	108	4.536	4.537	(1.052)	850256	80.0000	67.586(A)
31	2,2'-oxybis(1-Chloropropane)	45	4.547	4.548	(1.055)	1076966	80.0000	65.817(A)
36	N-Nitrosopyrrolidine	100	4.616	4.617	(1.071)	470878	80.0000	79.684
37	Acetophenone	105	4.638	4.638	(1.076)	1240469	80.0000	66.854(A)
32	N-Nitroso-di-n-propylamine	70	4.649	4.649	(1.078)	505481	80.0000	62.460(A)
192	4-Methylphenol	108	4.654	4.654	(1.079)	796572	80.0000	63.948(A)
34	Hexachloroethane	117	4.718	4.718	(1.094)	527481	80.0000	69.688(A)
35	Nitrobenzene	77	4.771	4.772	(0.896)	978987	80.0000	76.150(A)
41	Isophorone	82	4.964	4.964	(0.932)	1837844	80.0000	74.707(A)
42	2-Nitrophenol	139	5.028	5.028	(0.944)	647985	80.0000	83.869(A)
43	2,4-Dimethylphenol	107	5.071	5.071	(0.952)	1040283	80.0000	74.822(A)
44	bis(2-Chloroethoxy)methane	93	5.145	5.146	(0.966)	1214021	80.0000	69.698(A)
48	2,4-Dichlorophenol	162	5.220	5.221	(0.980)	1025882	80.0000	74.595(A)

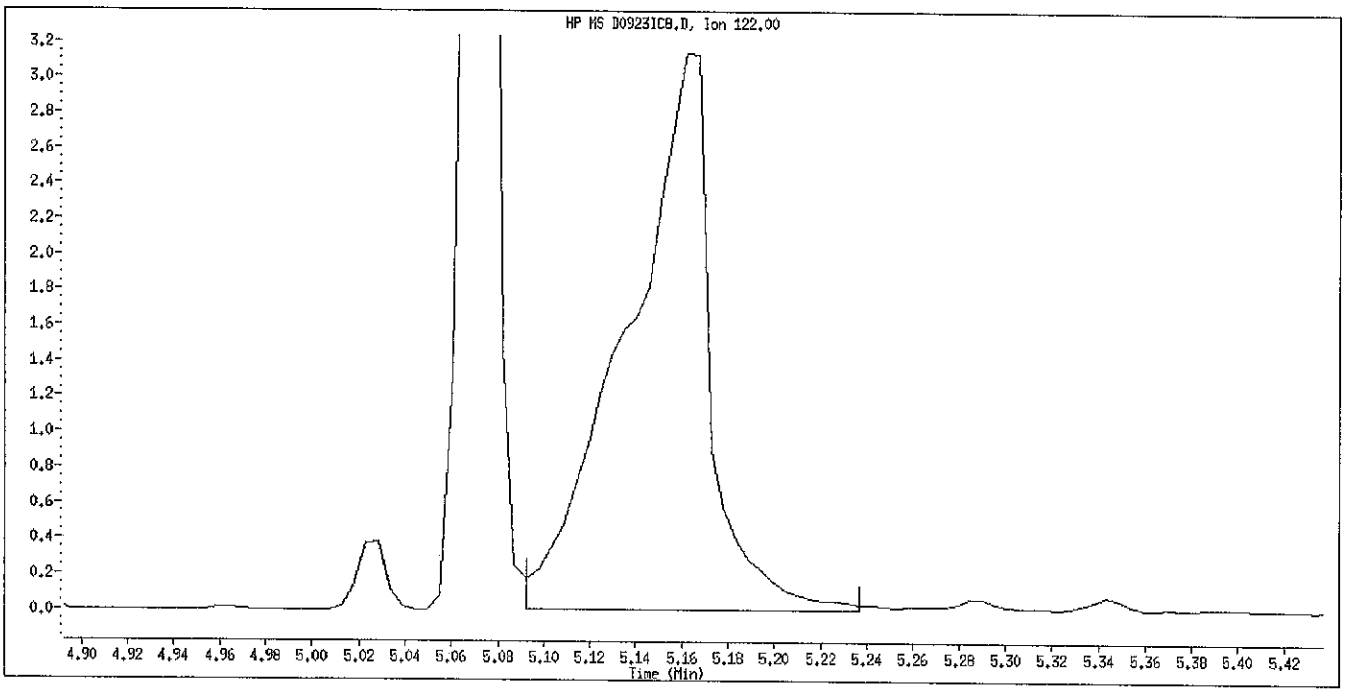
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
49 Benzoic Acid	122	5.161	5.162	(0.969)	818046	80.0000	89.903 (AM)
50 1,2,4-Trichlorobenzene	180	5.290	5.290	(0.993)	1160285	80.0000	71.024 (A)
51 Naphthalene	128	5.343	5.344	(1.003)	3497390	80.0000	70.971 (A)
52 4-Chloroaniline	127	5.391	5.392	(1.012)	1404385	80.0000	69.057 (A)
54 2,6-Dichlorophenol	162	5.396	5.397	(1.013)	980042	80.0000	70.657 (A)
56 Hexachlorobutadiene	225	5.455	5.456	(1.024)	696214	80.0000	72.390 (AQ)
208 Caprolactam	113	5.669	5.669	(1.064)	331772	80.0000	76.311 (A)
59 4-Chloro-3-Methylphenol	107	5.781	5.782	(1.085)	1001101	80.0000	73.307 (A)
62 2-Methylnaphthalene	142	5.893	5.894	(1.106)	2397908	80.0000	69.341 (A)
63 1-Methylnaphthalene	142	5.973	5.974	(1.121)	2360460	80.0000	68.519 (A)
64 Hexachlorocyclopentadiene	237	6.032	6.033	(0.897)	835116	80.0000	77.247 (A)
65 1,2,4,5-Tetrachlorobenzene	216	6.032	6.033	(0.897)	1116688	80.0000	62.299
66 2,4,6-Trichlorophenol	196	6.123	6.123	(0.911)	905125	80.0000	74.450 (A)
67 2,4,5-Trichlorophenol	196	6.155	6.156	(0.916)	930033	80.0000	71.747 (AH)
209 1,1'-Biphenyl	154	6.267	6.268	(0.932)	3052395	80.0000	65.634 (AH)
70 2-Chloronaphthalene	162	6.283	6.284	(0.935)	2529508	80.0000	66.685 (AH)
73 2-Nitroaniline	65	6.358	6.359	(0.946)	676815	80.0000	79.244 (AH)
76 Dimethylphthalate	163	6.513	6.513	(0.969)	2948806	80.0000	74.250 (A)
78 2,6-Dinitrotoluene	165	6.556	6.556	(0.975)	693163	80.0000	83.868 (AH)
79 Acenaphthylene	152	6.609	6.610	(0.983)	4532242	80.0000	73.621 (AH)
81 3-Nitroaniline	138	6.684	6.684	(0.994)	848260	80.0000	79.319 (A)
82 Acenaphthene	153	6.748	6.749	(1.004)	2577874	80.0000	67.022 (AH)
83 2,4-Dinitrophenol	184	6.769	6.770	(1.007)	455097	80.0000	79.242 (AQ)
85 4-Nitrophenol	109	6.823	6.823	(1.015)	422163	80.0000	83.300 (AH)
86 Dibenzofuran	168	6.887	6.887	(1.025)	3935923	80.0000	67.414 (AH)
87 2,4-Dinitrotoluene	165	6.876	6.877	(1.023)	939836	80.0000	78.696 (AH)
91 2,3,5,6-Tetrachlorophenol	232	6.956	6.957	(1.035)	875290	80.0000	77.971 (A)
88 2,3,4,6-Tetrachlorophenol	232	6.988	6.989	(1.040)	850550	80.0000	73.820 (AH)
92 2-Naphthylamine	143	7.010	7.010	(1.043)	2203685	80.0000	57.320 (AH)
93 Diethylphthalate	149	7.074	7.074	(1.052)	3178625	80.0000	72.812 (A)
94 Fluorene	166	7.159	7.160	(1.065)	2611529	80.0000	80.054 (AH)
95 4-Chlorophenyl-phenylether	204	7.159	7.160	(1.065)	1245483	80.0000	79.936 (AH)
96 4-Nitroaniline	138	7.175	7.176	(1.068)	794165	80.0000	78.367 (AH)
98 4,6-Dinitro-2-methylphenol	198	7.197	7.197	(0.911)	635373	80.0000	84.838 (A)
99 N-Nitrosodiphenylamine (1)	169	7.256	7.256	(0.918)	2277956	80.0000	74.321 (A)
100 1,2-Diphenylhydrazine	77	7.288	7.288	(0.922)	3313586	80.0000	69.020 (A)
106 4-Bromophenyl-phenylether	248	7.549	7.550	(0.955)	935059	80.0000	72.425 (A)
107 Hexachlorobenzene	284	7.603	7.603	(0.962)	985296	80.0000	68.920 (A)
210 Atrazine	200	7.678	7.678	(0.972)	830106	80.0000	76.412 (A)
111 Pentachlorophenol	266	7.758	7.758	(0.982)	722554	80.0000	79.774 (AQM)
115 Phenanthrene	178	7.923	7.924	(1.003)	5327460	80.0000	69.117 (A)
116 Anthracene	178	7.966	7.967	(1.008)	5358020	80.0000	70.993 (A)
119 Carbazole	167	8.089	8.089	(1.024)	5219323	80.0000	73.085 (A)
120 Di-n-Butylphthalate	149	8.361	8.362	(1.058)	6597851	80.0000	75.938 (A)
123 Fluoranthene	202	8.869	8.869	(1.122)	6145871	80.0000	76.045 (A)
124 Benzidine	184	8.965	8.966	(0.896)	3133219	80.0000	87.744 (A)
125 Pyrene	202	9.051	9.051	(0.904)	6491695	80.0000	78.898 (A)
131 Butylbenzylphthalate	149	9.542	9.543	(0.954)	2868194	80.0000	78.198 (A)
135 3,3'-Dichlorobenzidine	252	9.969	9.970	(0.996)	2345961	80.0000	79.577 (A)
136 Benzo(a)Anthracene	228	9.996	9.997	(0.999)	5410883	80.0000	76.601 (A)
137 Chrysene	228	10.028	10.029	(1.002)	6099549	80.0000	78.581 (A)
139 bis(2-ethylhexyl)Phthalate	149	9.991	9.991	(0.998)	3710968	80.0000	78.171 (A)
140 Di-n-octylphthalate	149	10.536	10.536	(0.928)	8774134	80.0000	79.149 (AM)
141 Benzo(b)fluoranthene	252	10.958	10.958	(0.965)	6509782	80.0000	81.294 (A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
142 Benzo(k)fluoranthene	252	10.979	10.980	(0.967)	6519278	80.0000	64.226(AH)
143 7,12-dimethylbenz[a]anthracen	256	10.942	10.942	(0.964)	2571835	80.0000	67.910(A)
146 Benzo(a)pyrene	252	11.294	11.295	(0.995)	5668863	80.0000	79.634(A)
149 Indeno(1,2,3-cd)pyrene	276	12.737	12.737	(1.122)	6907967	80.0000	79.578(A)
150 Dibenz(a,h)anthracene	278	12.758	12.759	(1.124)	5535298	80.0000	79.057(A)
151 Benzo(g,h,i)perylene	276	13.153	13.154	(1.159)	6391030	80.0000	86.259(A)
$ 154 Nitrobenzene-d5	82	4.755	4.756	(0.893)	1032850	80.0000	78.582(A)
$ 155 2-Fluorobiphenyl	172	6.192	6.193	(0.921)	2739449	80.0000	68.632(AH)
$ 156 Terphenyl-d14	244	9.163	9.163	(0.916)	3901740	80.0000	80.282(A)
$ 157 Phenol-d5	99	4.040	4.040	(0.937)	910982	80.0000	68.582(A)
$ 158 2-Fluorophenol	112	3.217	3.217	(0.746)	696352	80.0000	77.489(A)
$ 159 2,4,6-Tribromophenol	330	7.352	7.352	(0.930)	463265	80.0000	79.754(A)
$ 186 2-Chlorophenol-d4	132	4.130	4.131	(0.958)	944001	80.0000	73.454(A)
$ 187 1,2-Dichlorobenzene-d4	152	4.435	4.435	(1.028)	650864	80.0000	65.084(A)

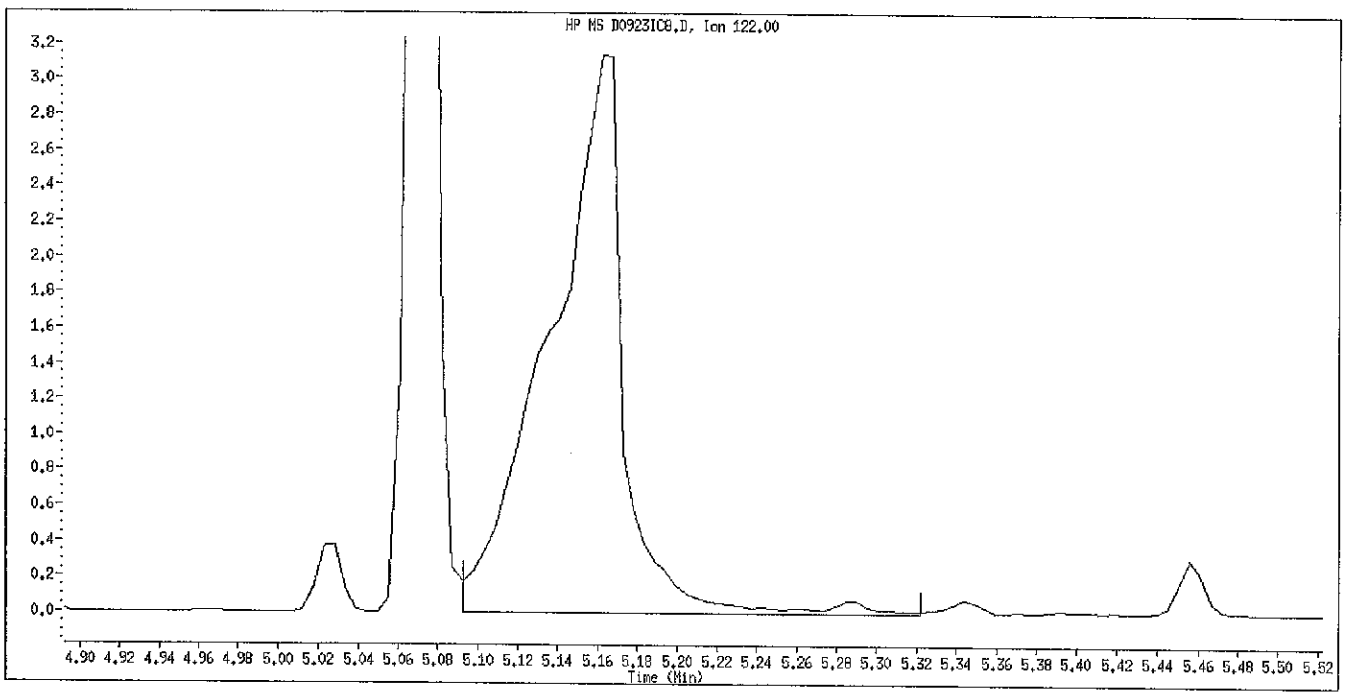
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: D0923IC8.D
Inj. Date and Time: 23-SEP-2010 20:29
Instrument ID: 732.i
Client ID: sstd80
Compound Name: Benzoic Acid
CAS #: 65-85-0



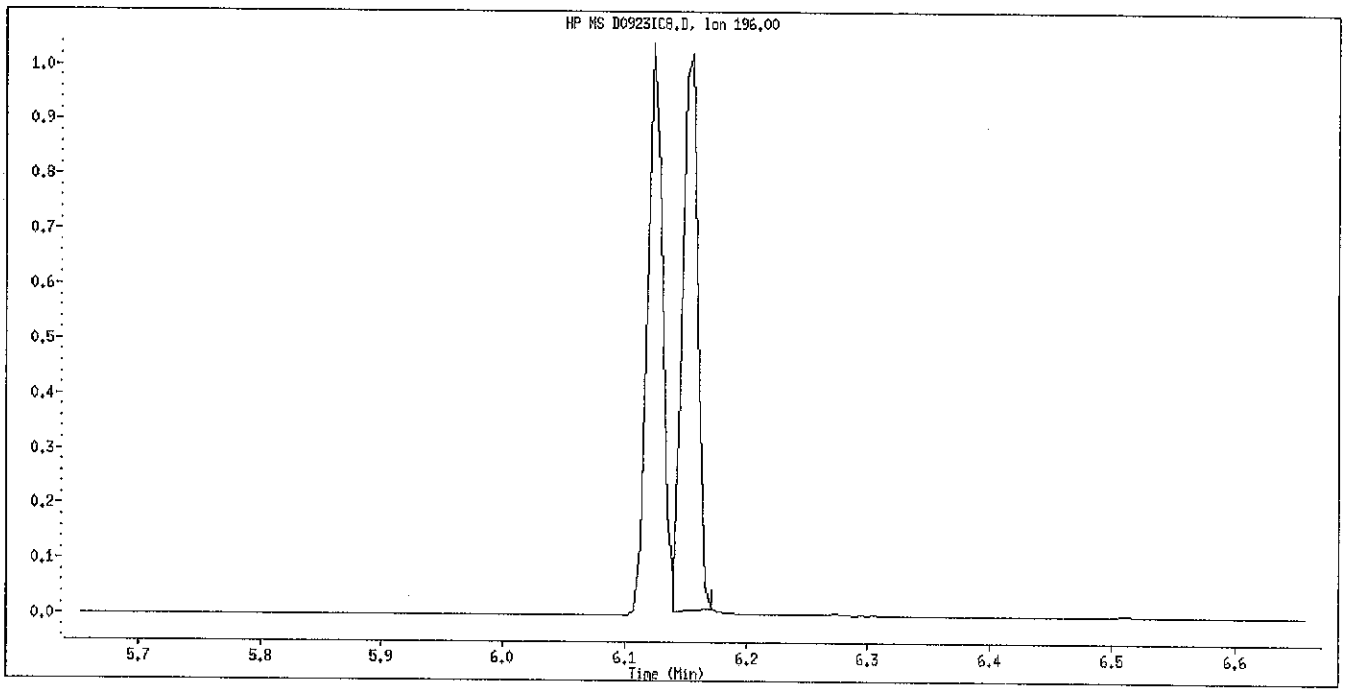
Original Integration



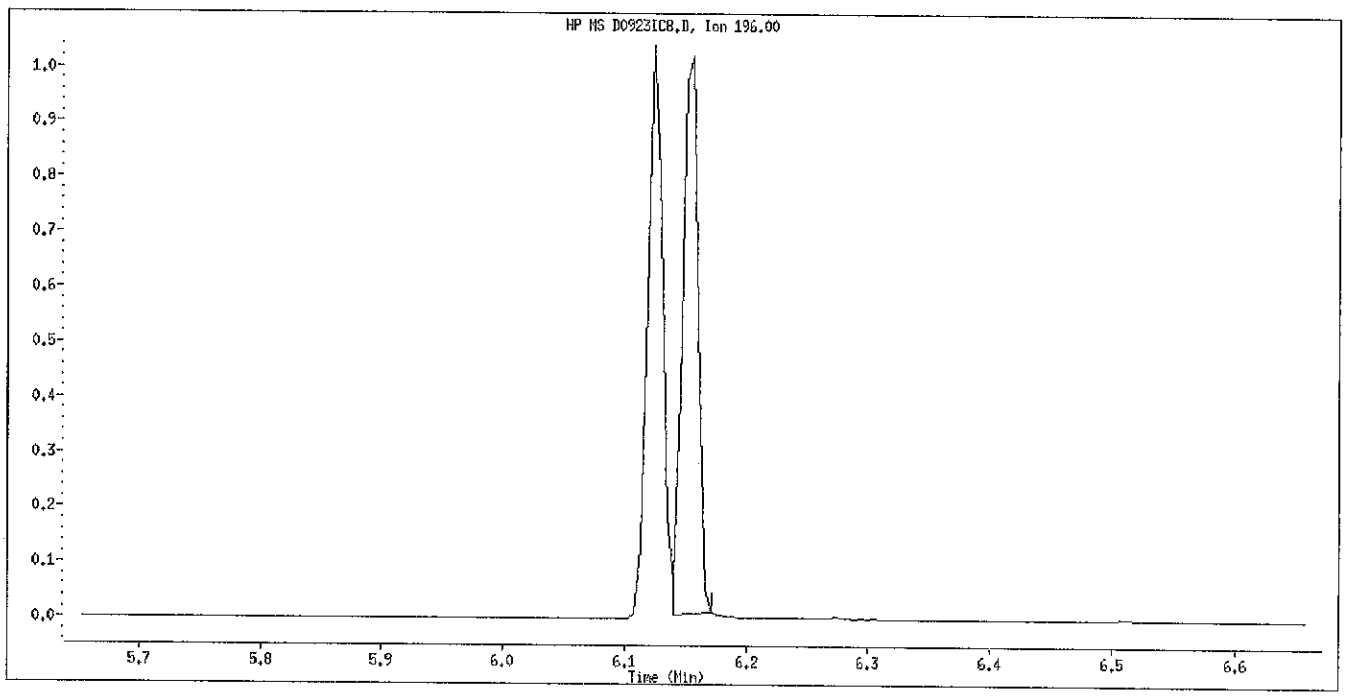
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D0923IC8.D
Inj. Date and Time: 23-SEP-2010 20:29
Instrument ID: 732.i
Client ID: sstd80
Compound Name: 2,4,5-Trichlorophenol
CAS #: 95-95-4



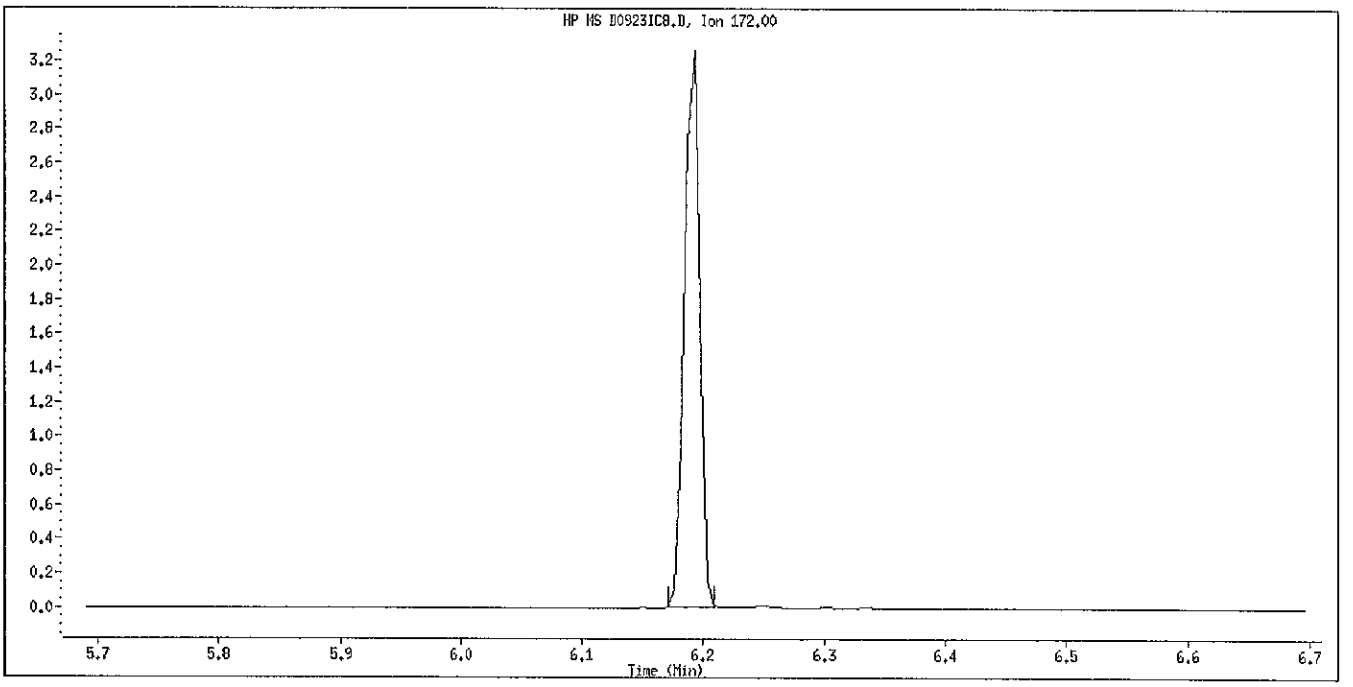
Original Integration



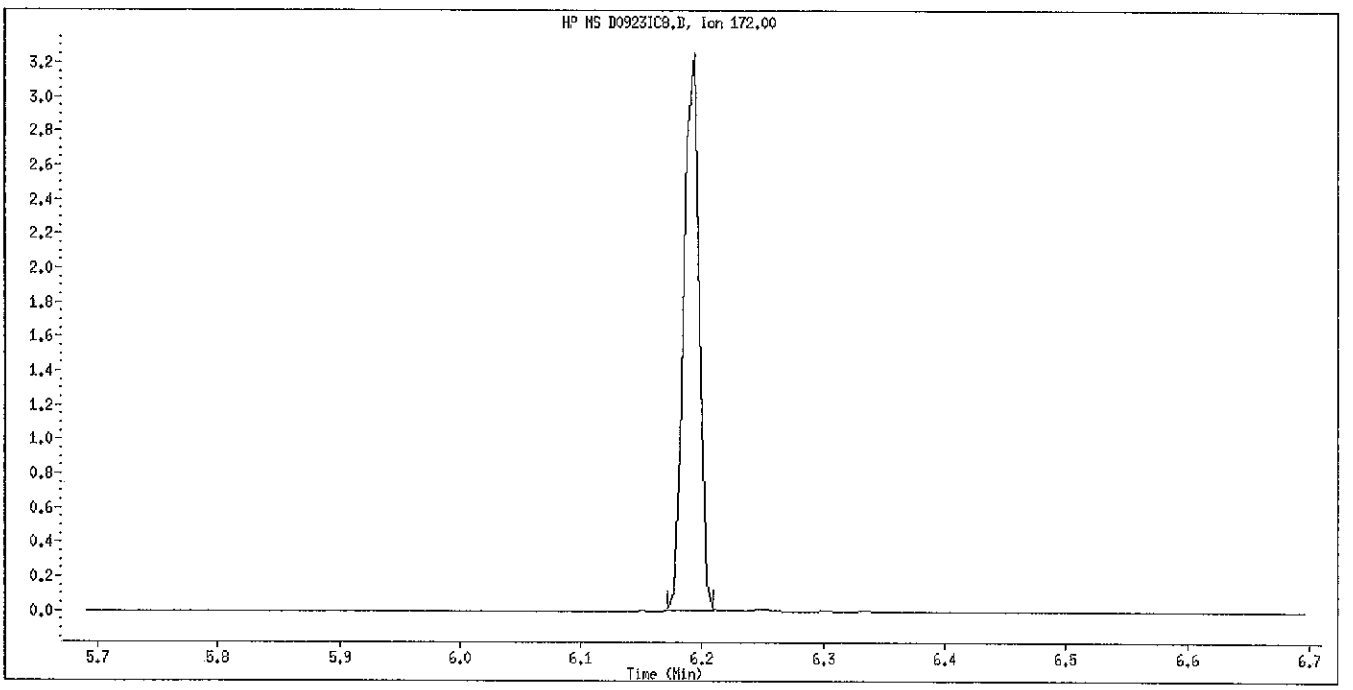
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC8.D
Inj. Date and Time: 23-SEP-2010 20:29
Instrument ID: 732.i
Client ID: sstd80
Compound Name: 2-Fluorobiphenyl
CAS #: 321-60-8

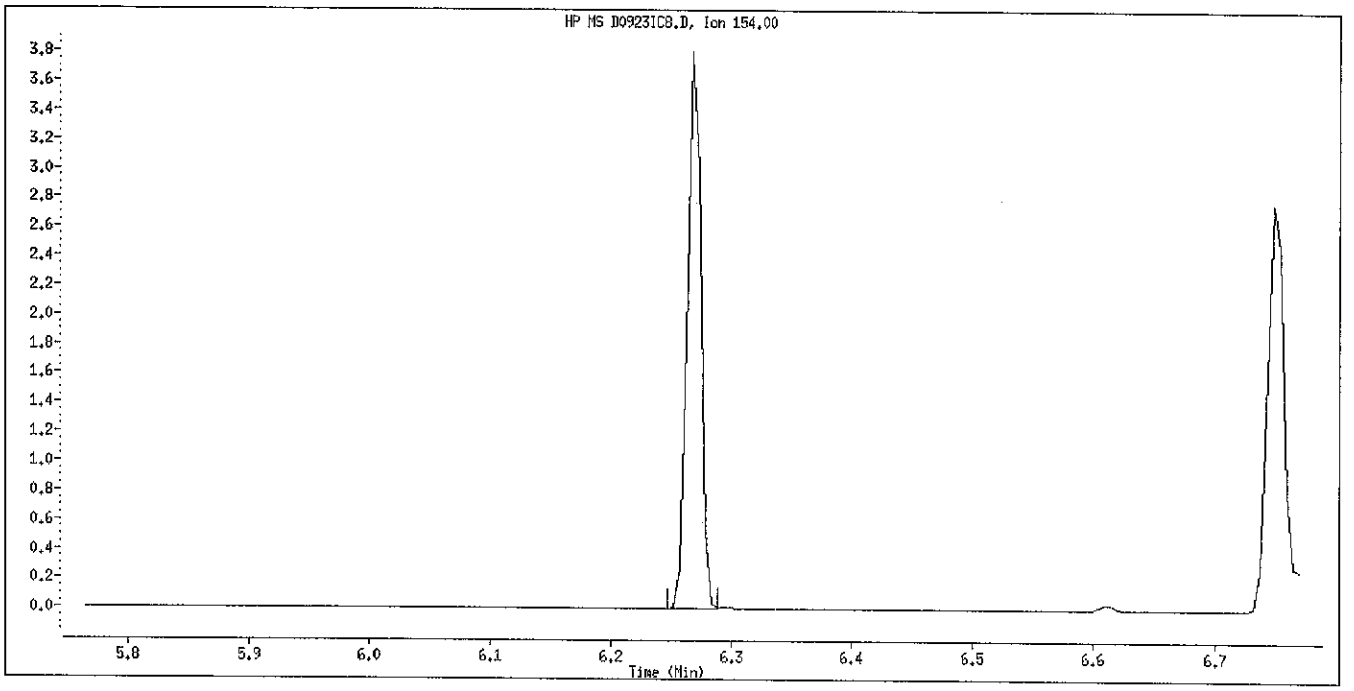


Original Integration

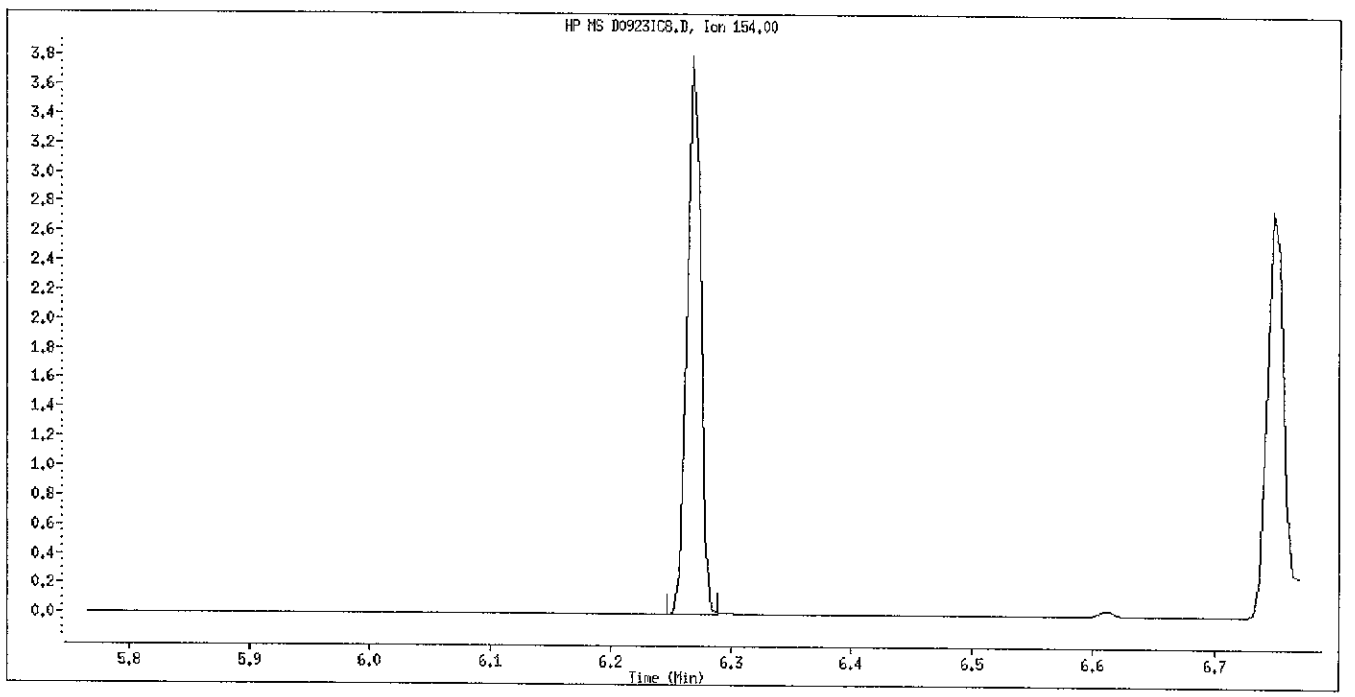


Manual Integration

Data File Name: D0923IC8.D
Inj. Date and Time: 23-SEP-2010 20:29
Instrument ID: 732.i
Client ID: sstd80
Compound Name: 1,1'-Biphenyl
CAS #: 92-52-4



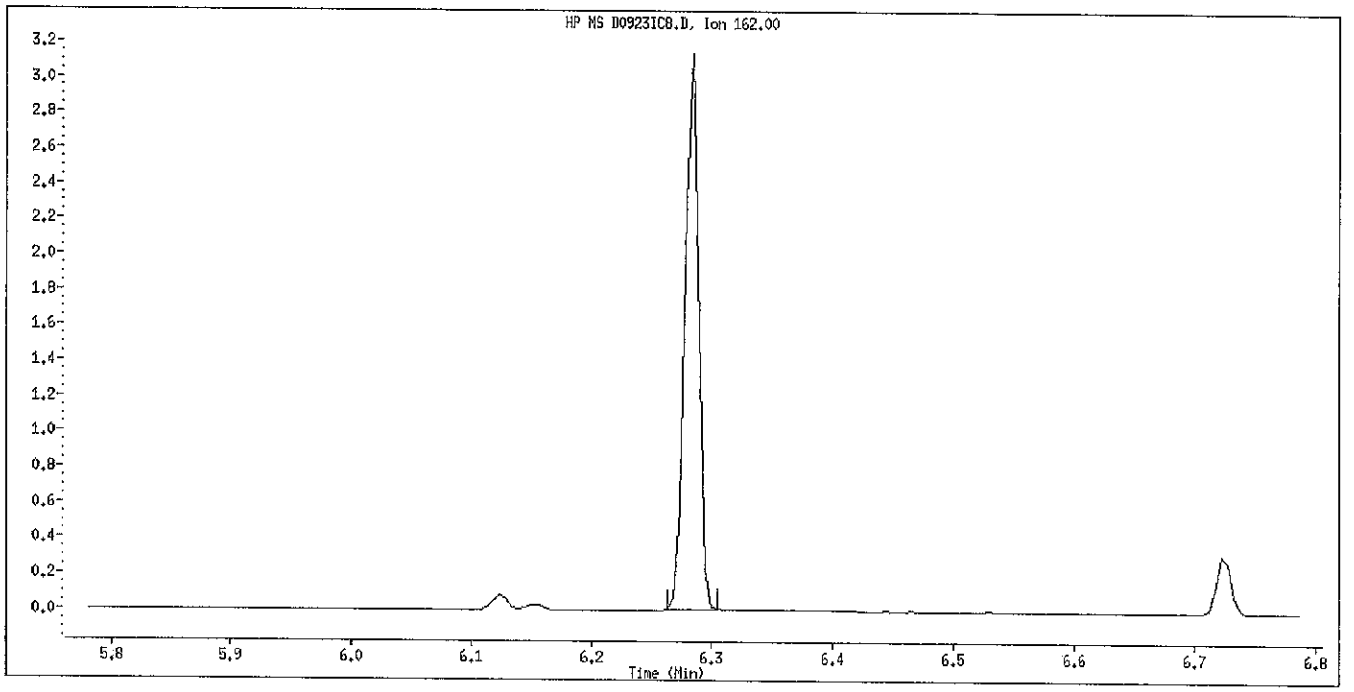
Original Integration



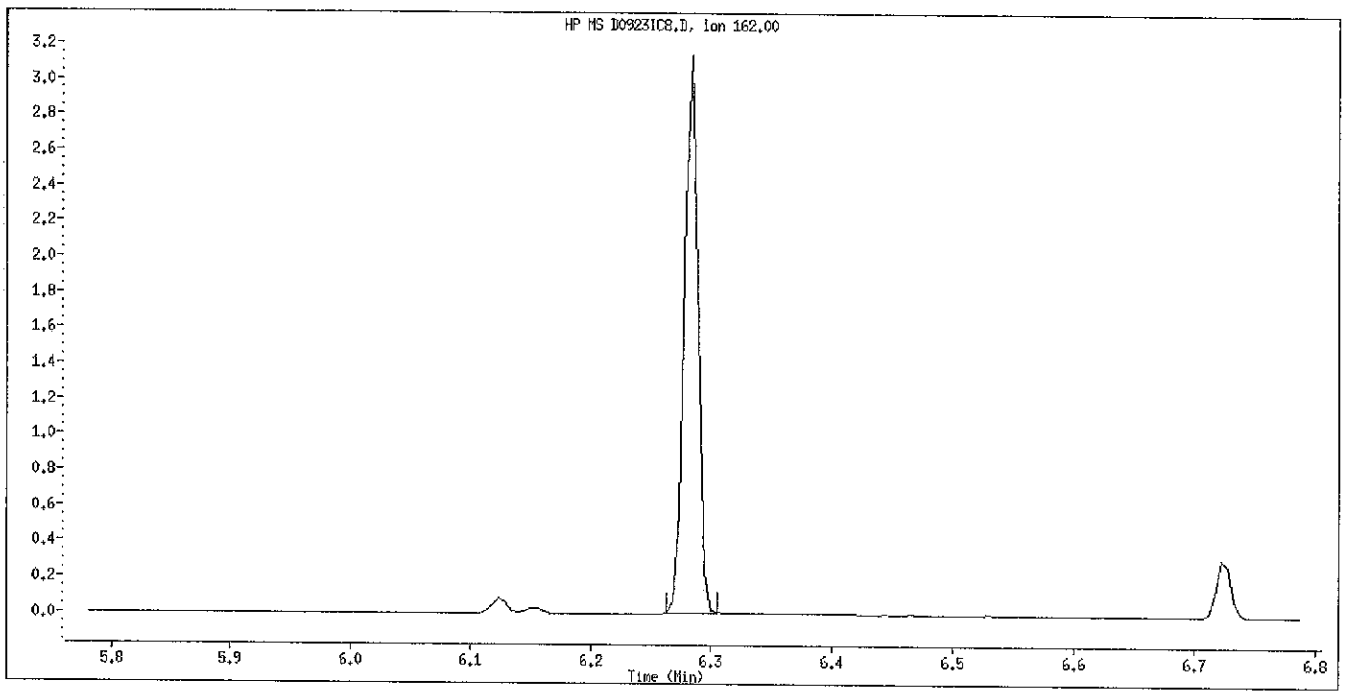
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC8.D
Inj. Date and Time: 23-SEP-2010 20:29
Instrument ID: 732.i
Client ID: sstd80
Compound Name: 2-Chloronaphthalene
CAS #: 91-58-7



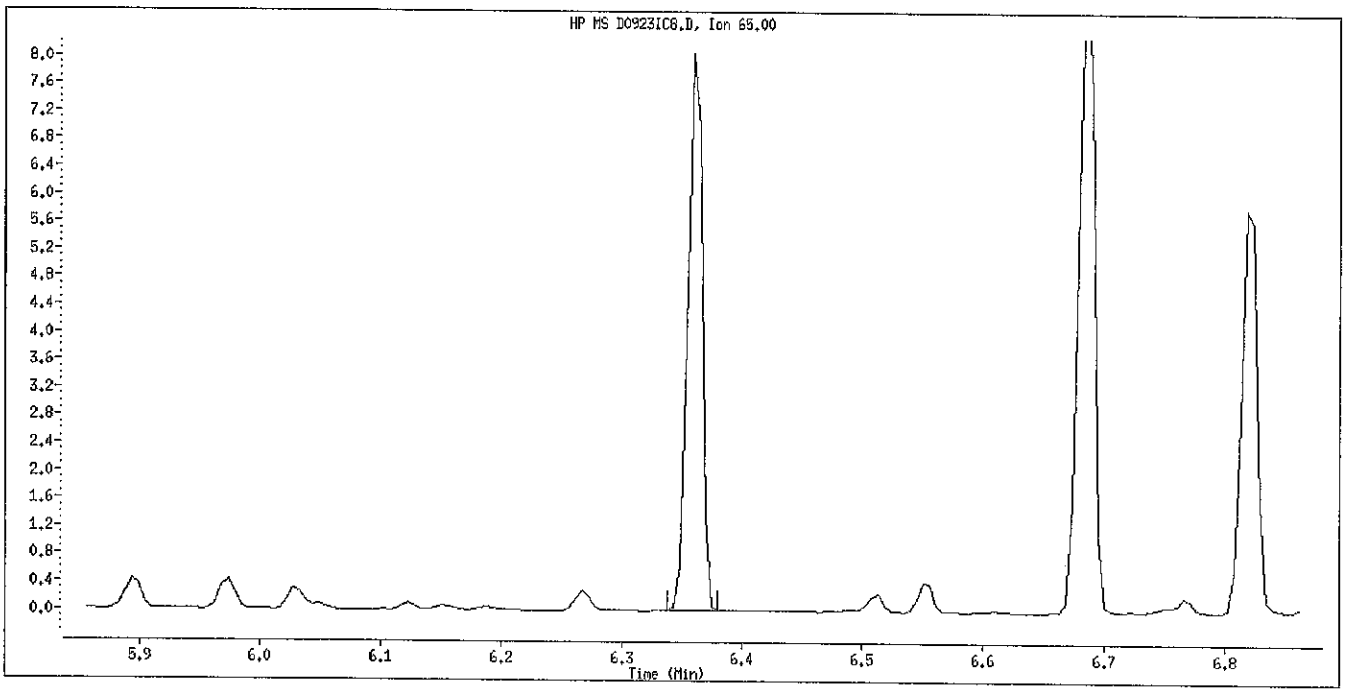
Original Integration



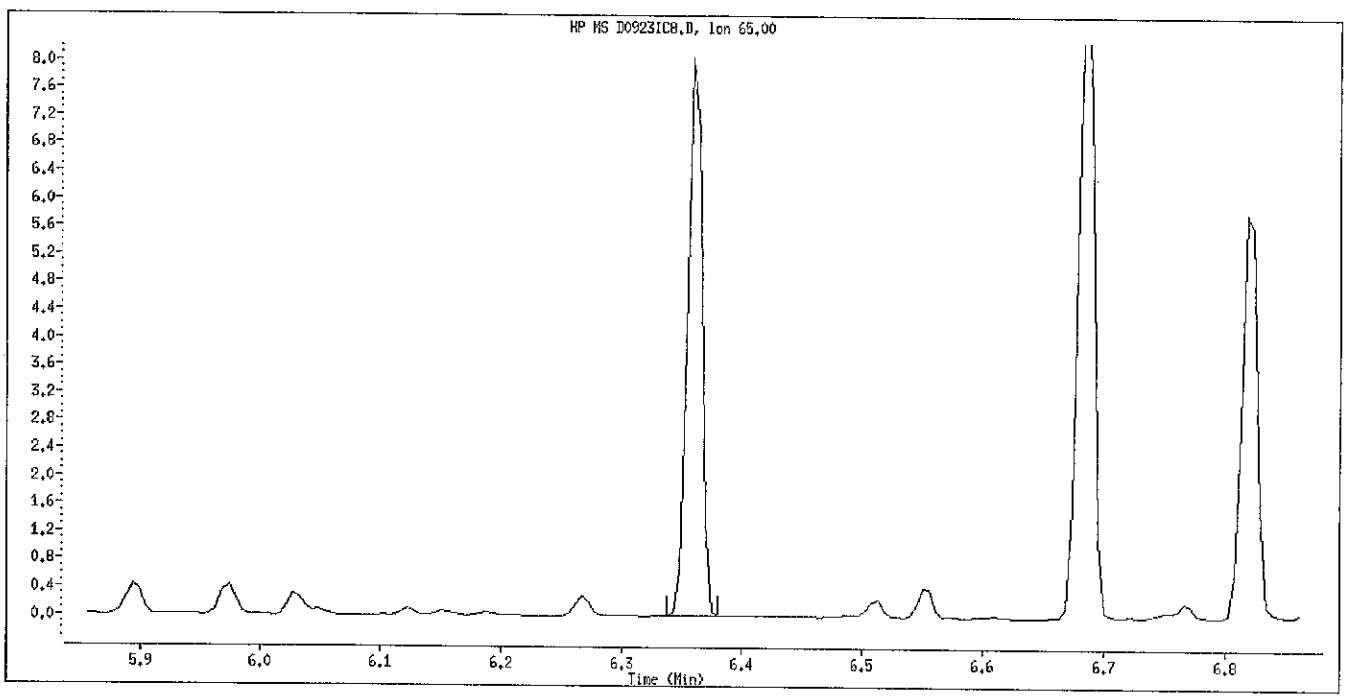
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC8.D
Inj. Date and Time: 23-SEP-2010 20:29
Instrument ID: 732.i
Client ID: sstd80
Compound Name: 2-Nitroaniline
CAS #: 88-74-4



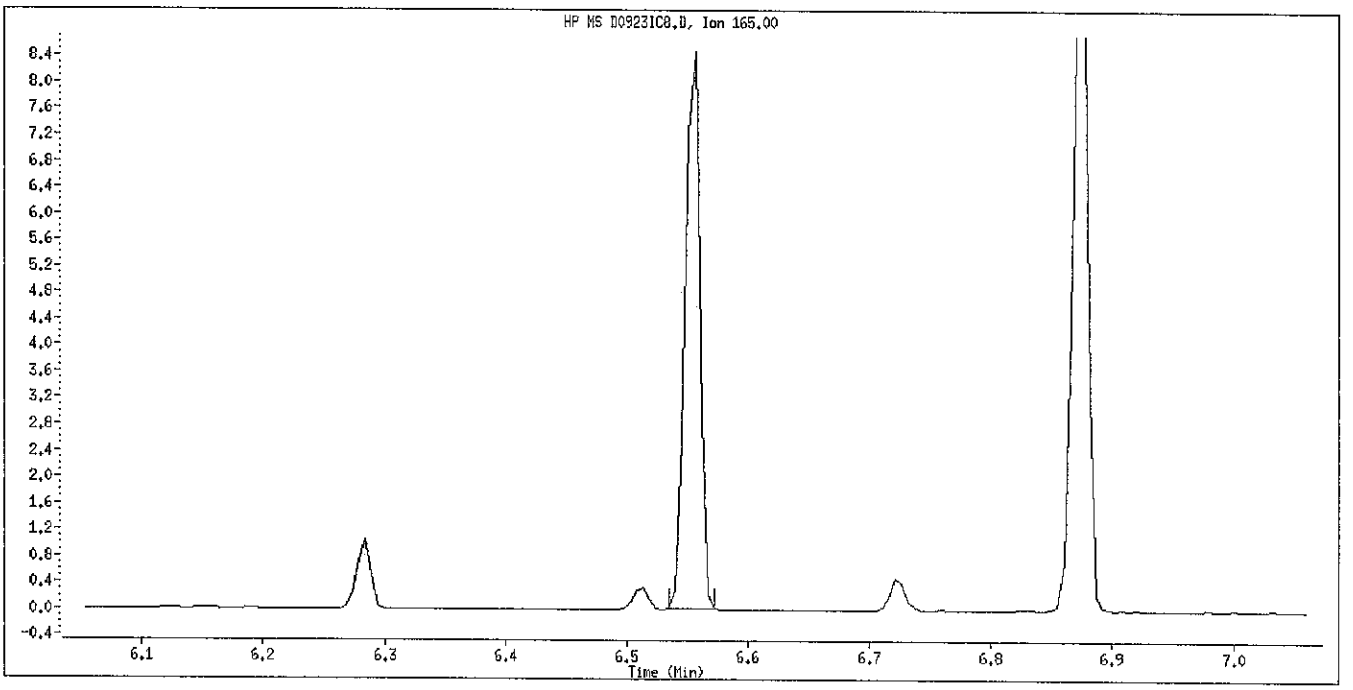
Original Integration



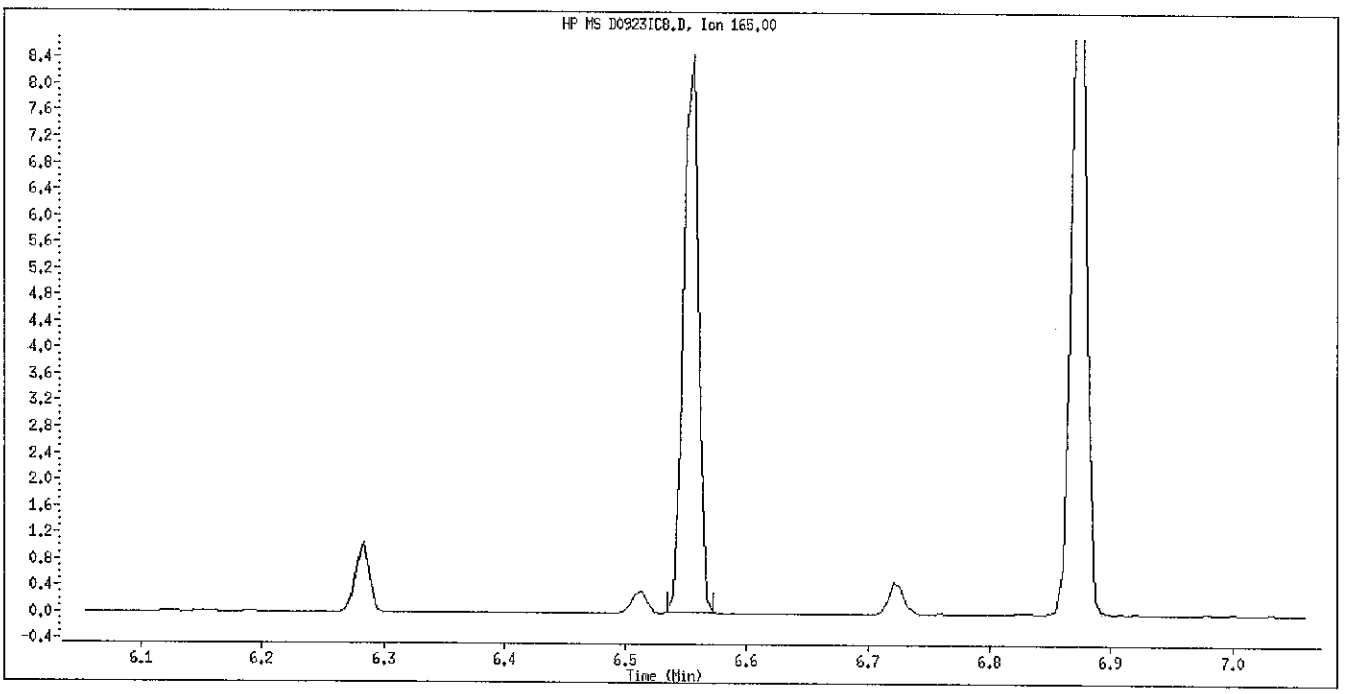
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC8.D
Inj. Date and Time: 23-SEP-2010 20:29
Instrument ID: 732.i
Client ID: sstd80
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2



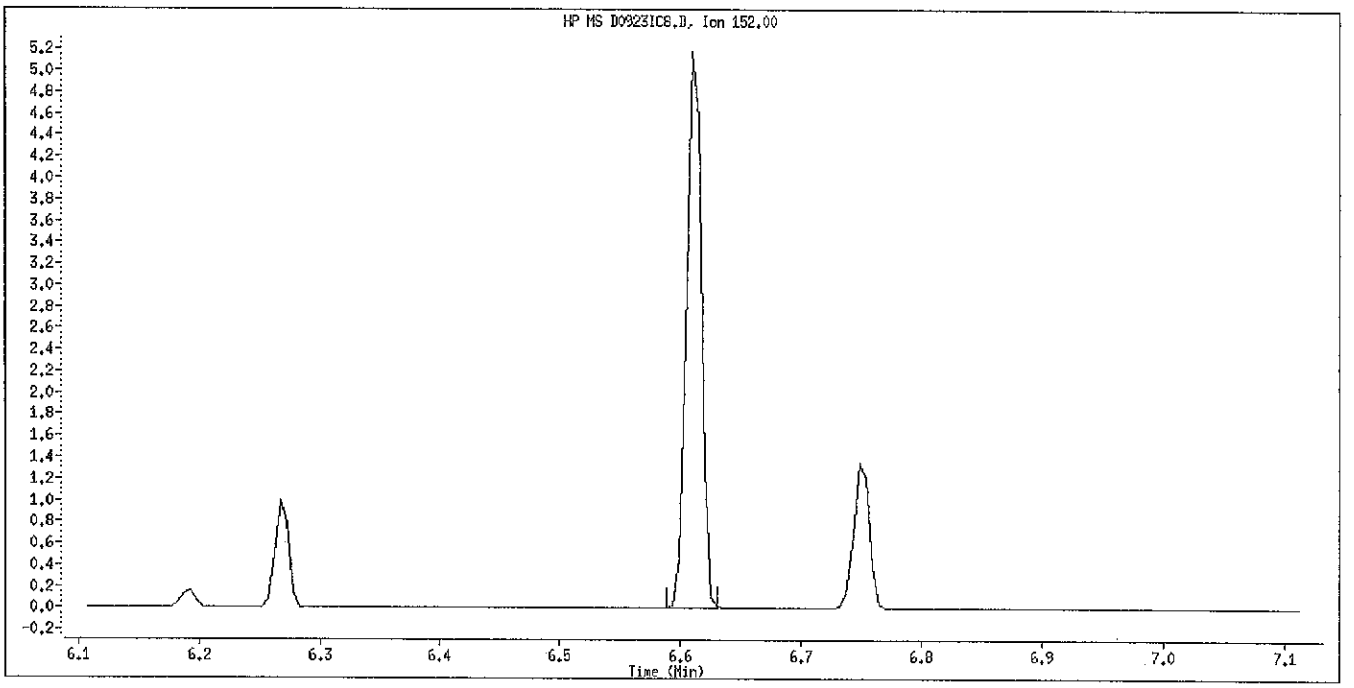
Original Integration



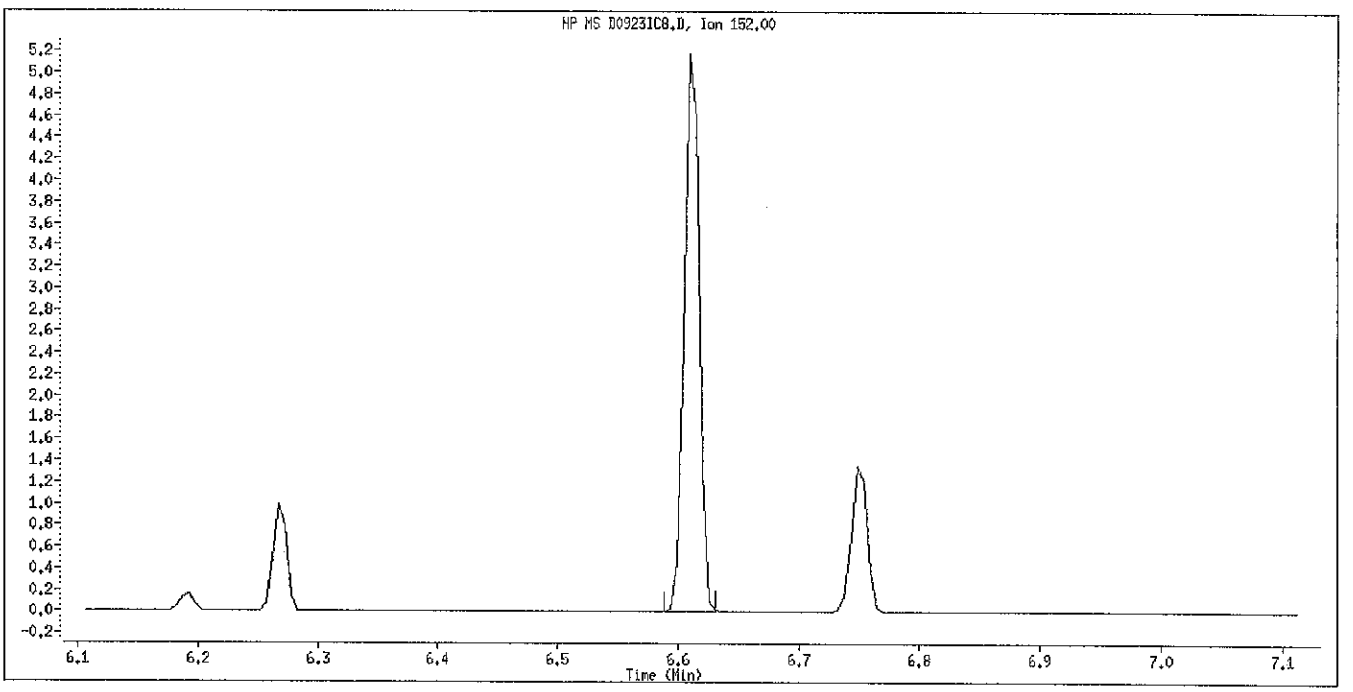
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC8.D
Inj. Date and Time: 23-SEP-2010 20:29
Instrument ID: 732.i
Client ID: sstd80
Compound Name: Acenaphthylene
CAS #: 208-96-8



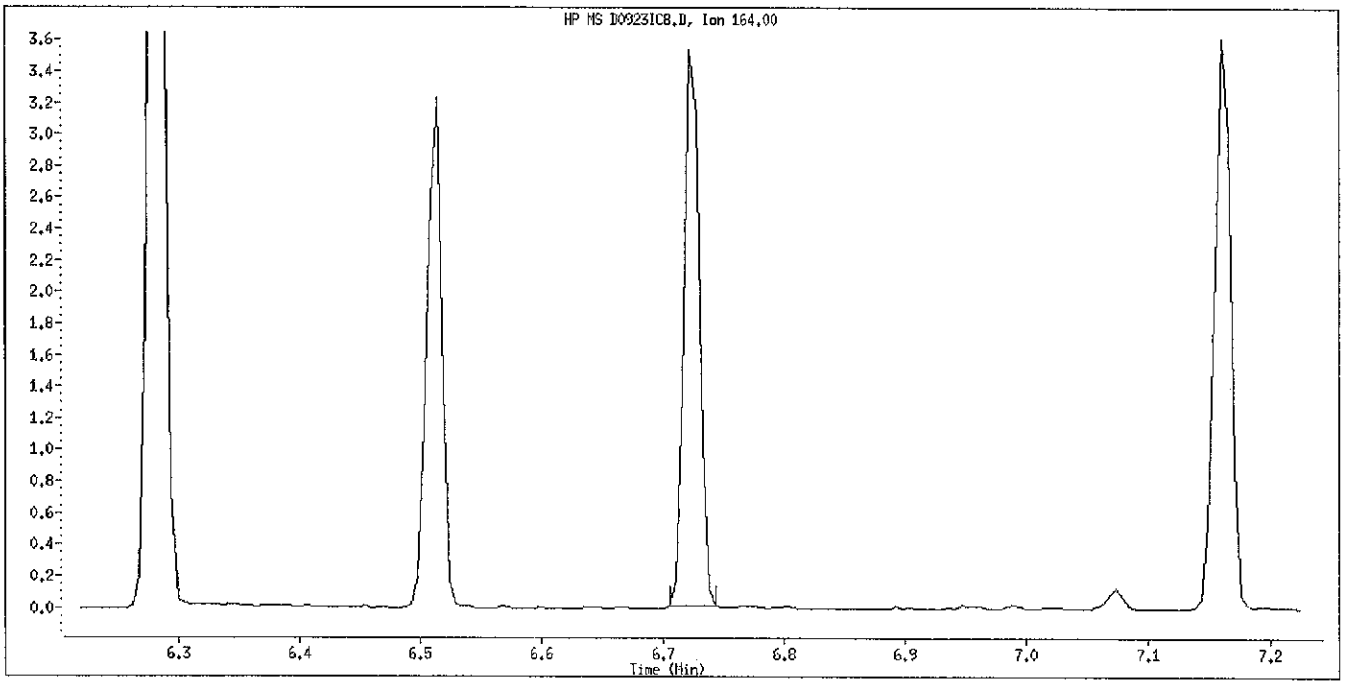
Original Integration



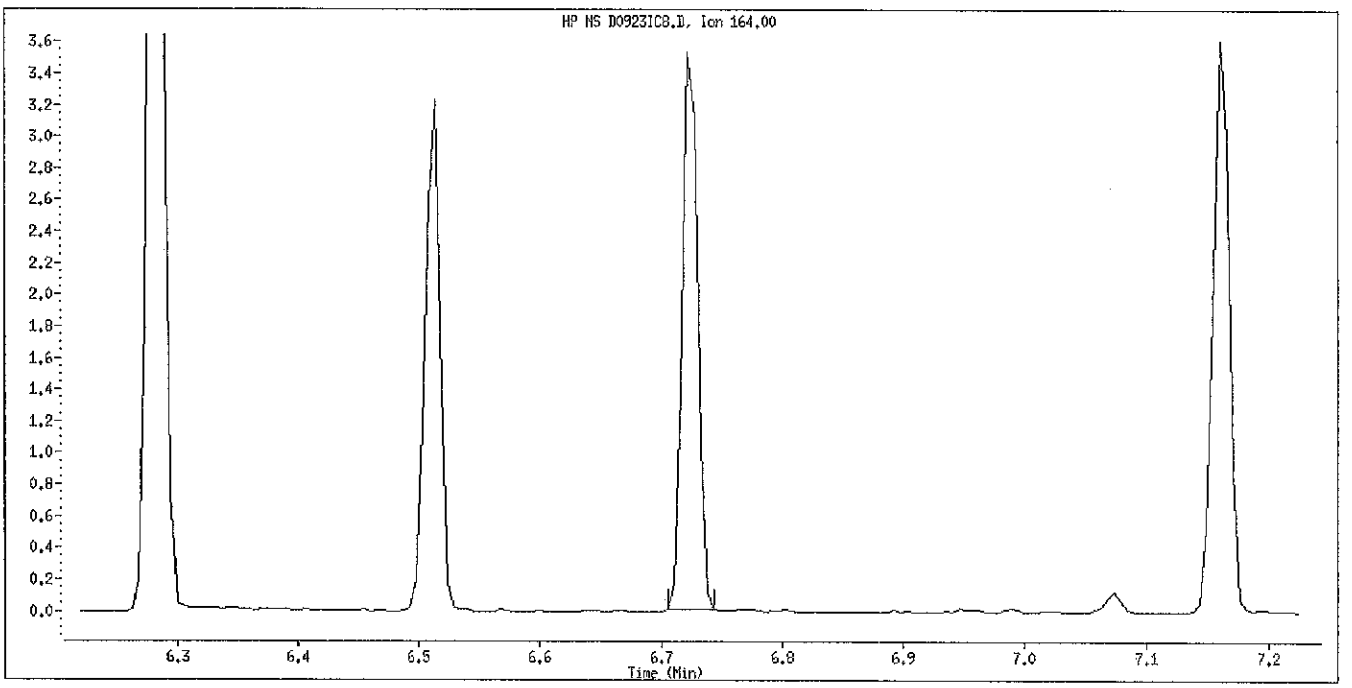
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC8.D
Inj. Date and Time: 23-SEP-2010 20:29
Instrument ID: 732.i
Client ID: sstd80
Compound Name: Acenaphthene-d10
CAS #: 15067-26-2



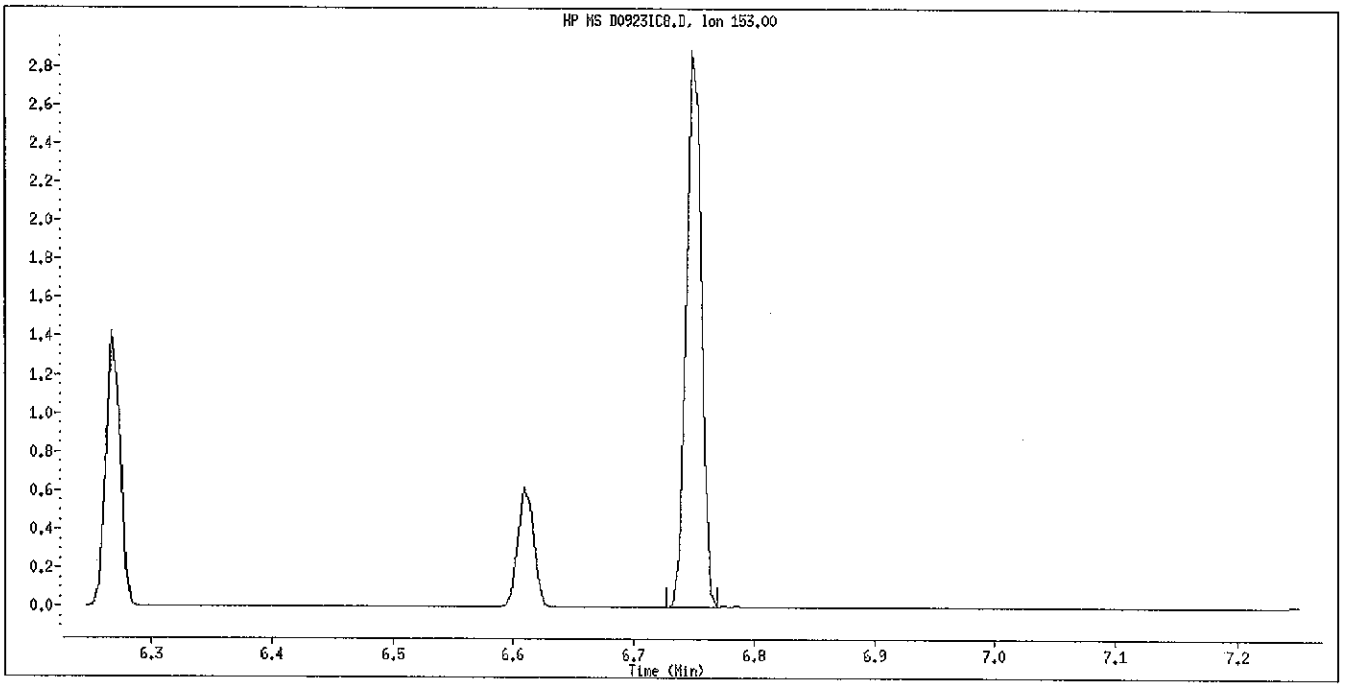
Original Integration



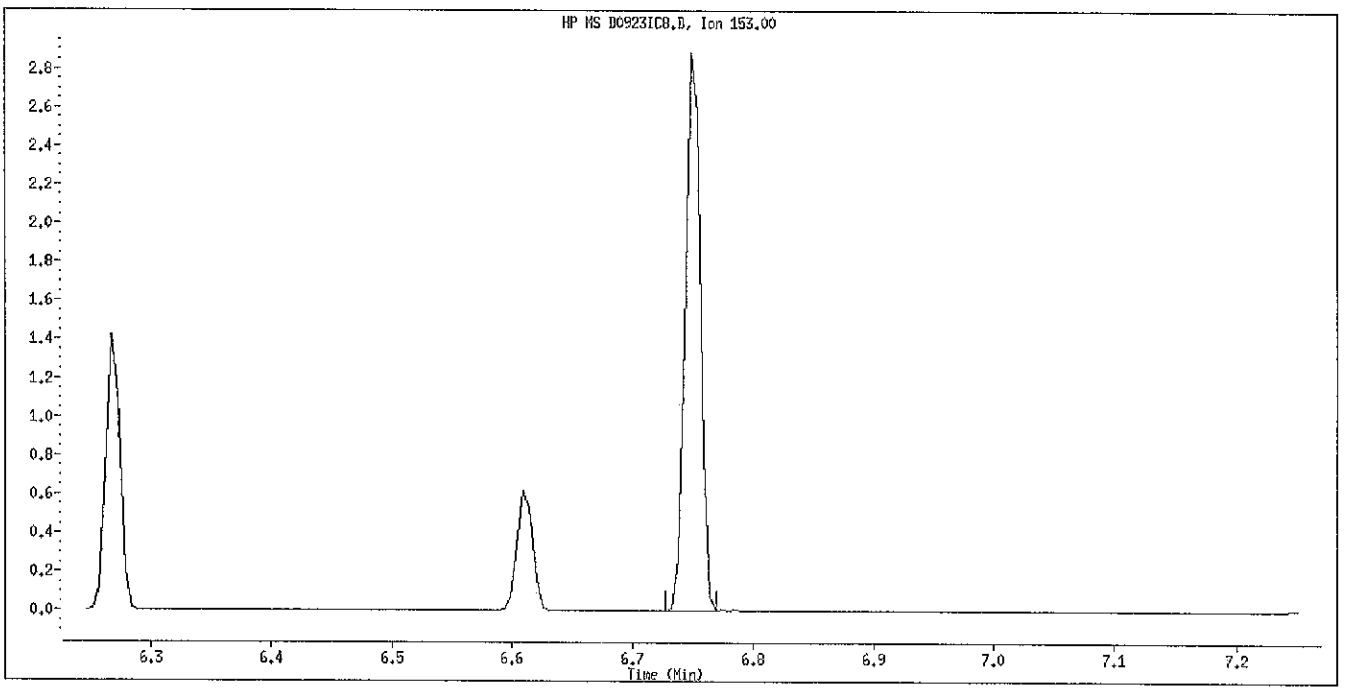
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC8.D
Inj. Date and Time: 23-SEP-2010 20:29
Instrument ID: 732.i
Client ID: sstd80
Compound Name: Acenaphthene
CAS #: 83-32-9



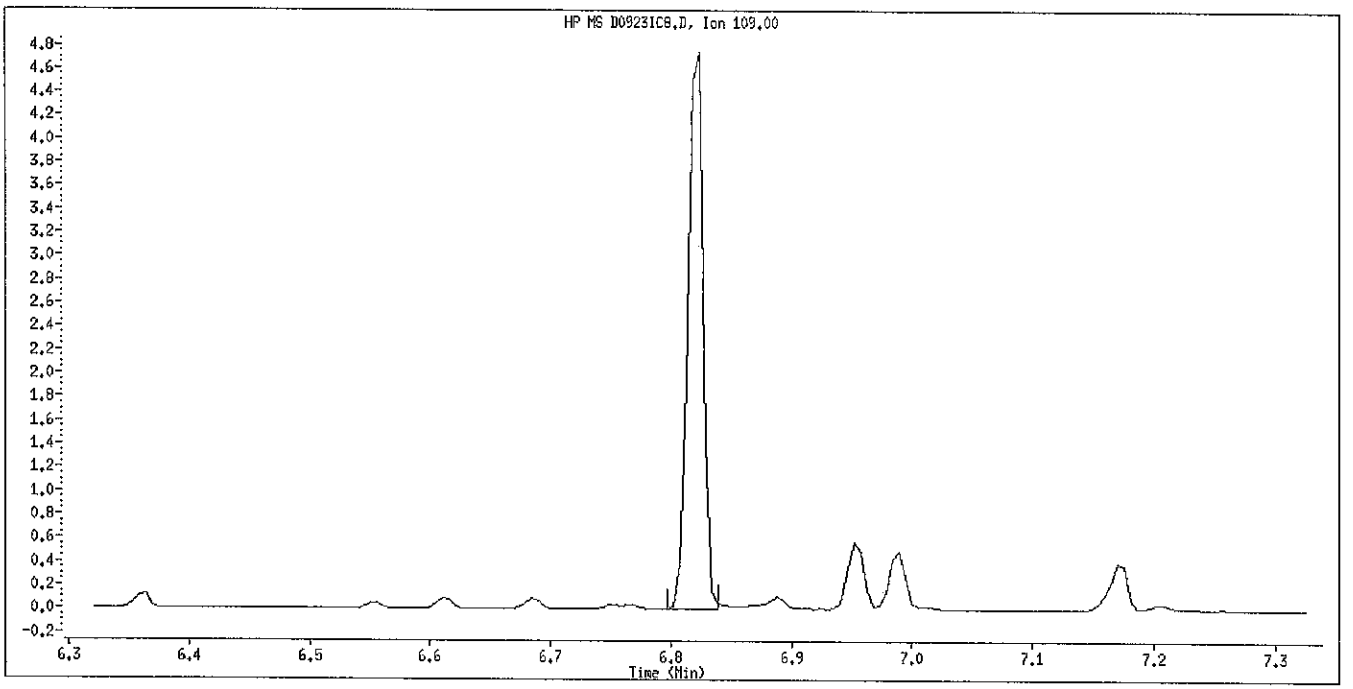
Original Integration



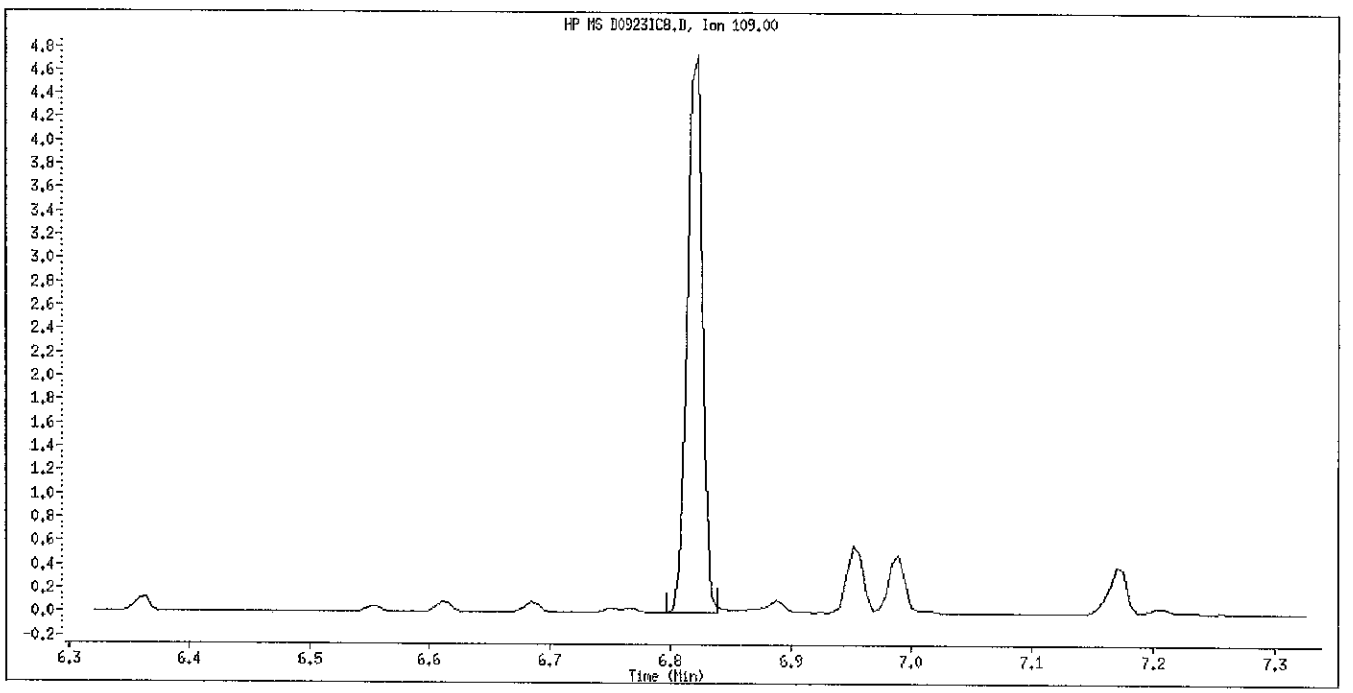
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC8.D
Inj. Date and Time: 23-SEP-2010 20:29
Instrument ID: 732.i
Client ID: sstd80
Compound Name: 4-Nitrophenol
CAS #: 100-02-7



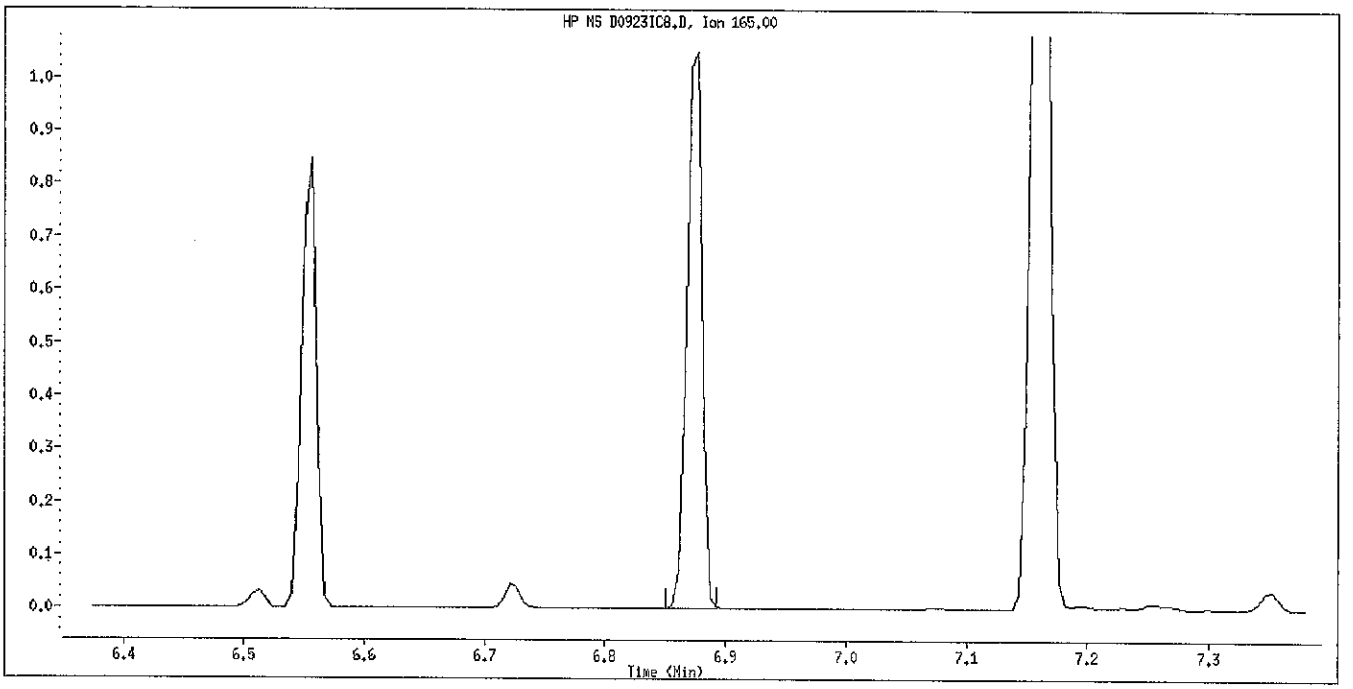
Original Integration



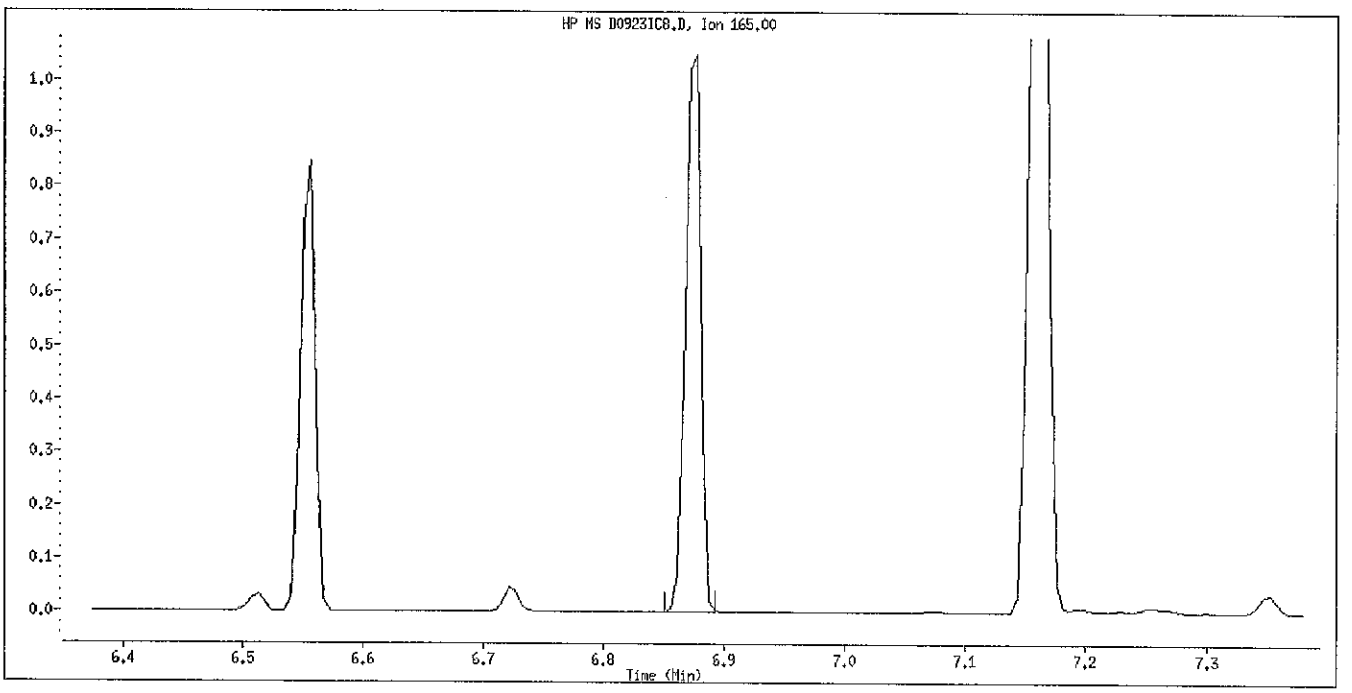
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC8.D
Inj. Date and Time: 23-SEP-2010 20:29
Instrument ID: 732.i
Client ID: sstd80
Compound Name: 2,4-Dinitrotoluene
CAS #: 121-14-2



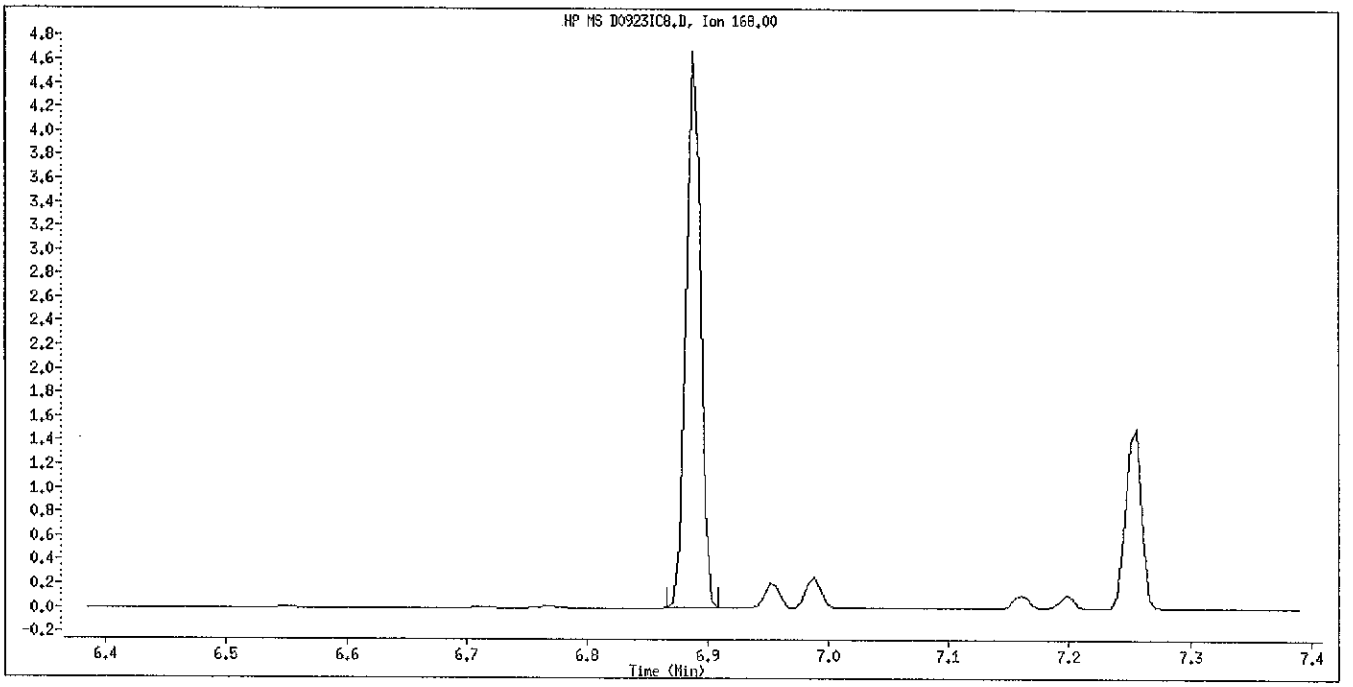
Original Integration



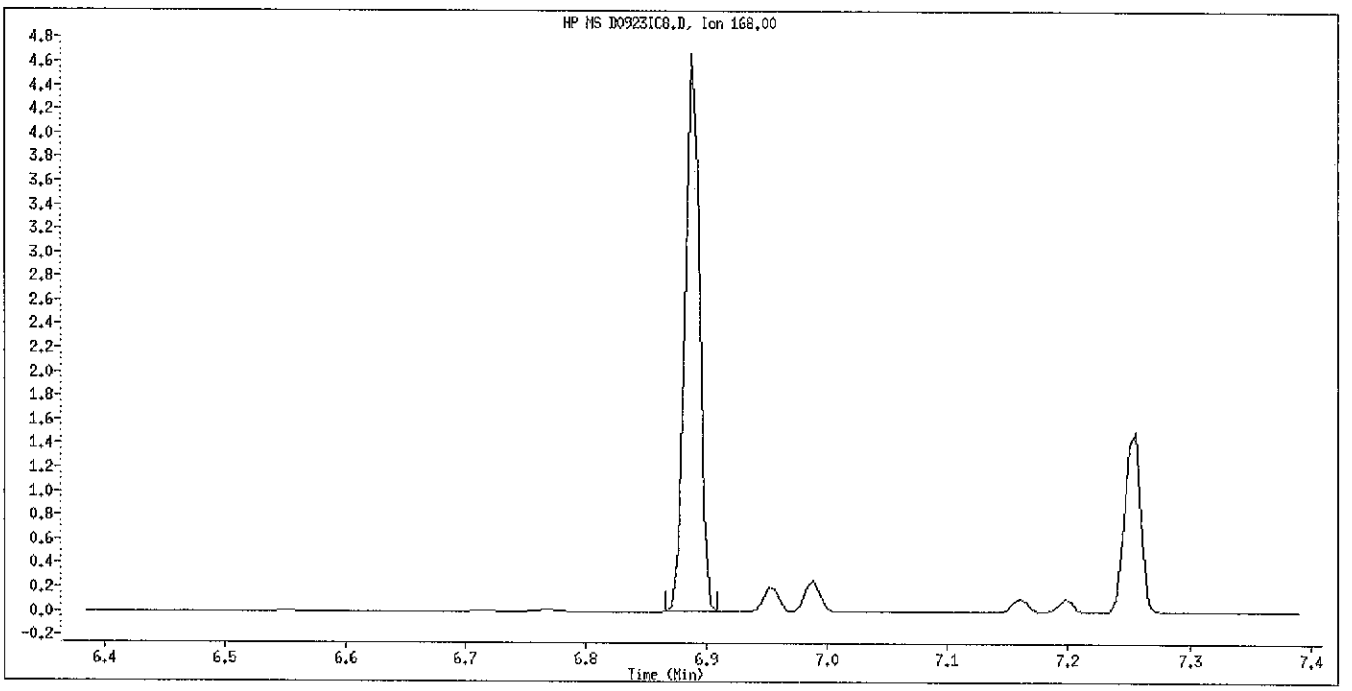
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC8.D
Inj. Date and Time: 23-SEP-2010 20:29
Instrument ID: 732.i
Client ID: sstd80
Compound Name: Dibenzofuran
CAS #: 132-64-9



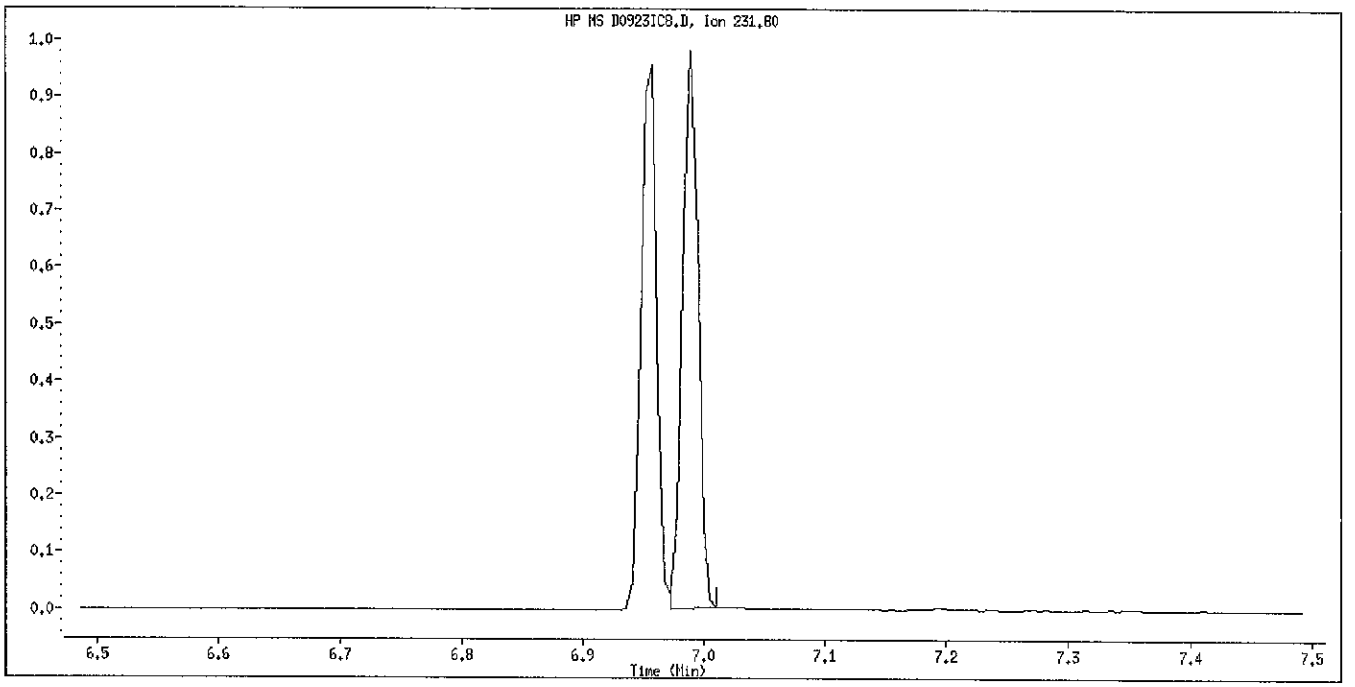
Original Integration



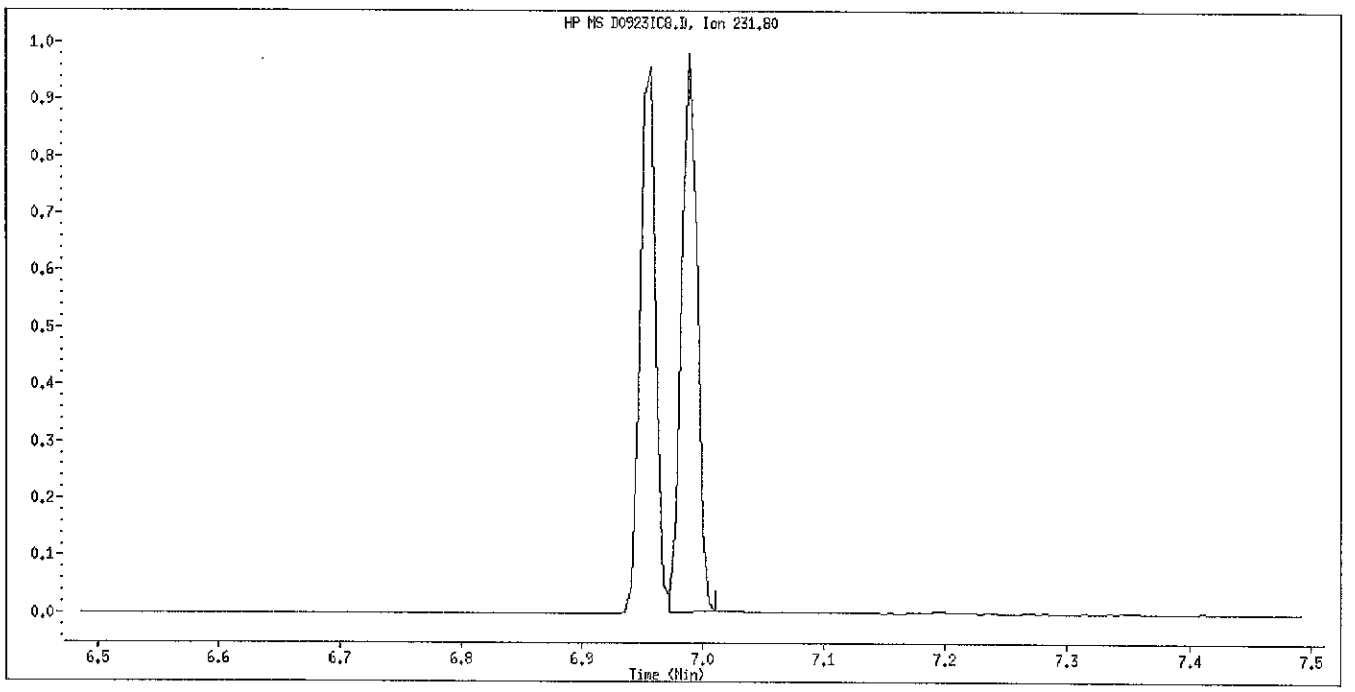
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC8.D
Inj. Date and Time: 23-SEP-2010 20:29
Instrument ID: 732.i
Client ID: sstd80
Compound Name: 2,3,4,6-Tetrachlorophenol
CAS #: 58-90-2



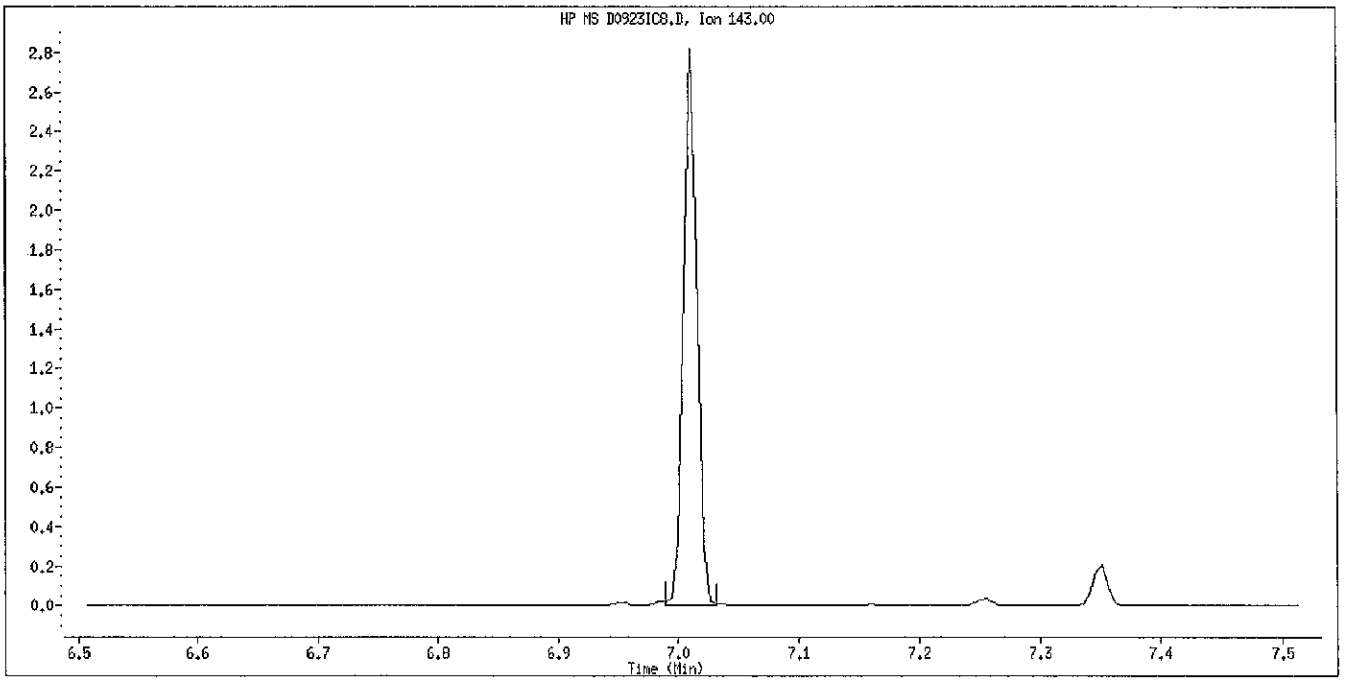
Original Integration



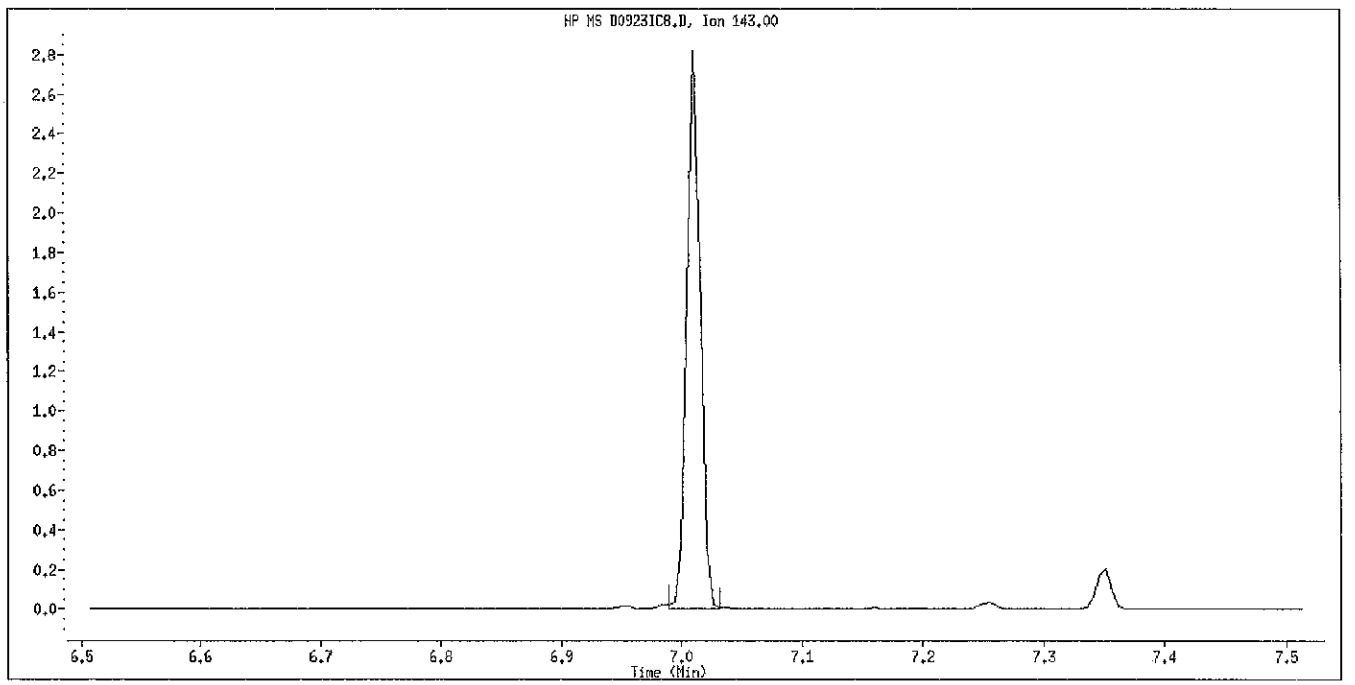
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC8.D
Inj. Date and Time: 23-SEP-2010 20:29
Instrument ID: 732.i
Client ID: sstd80
Compound Name: 2-Naphthylamine
CAS #: 91-59-8



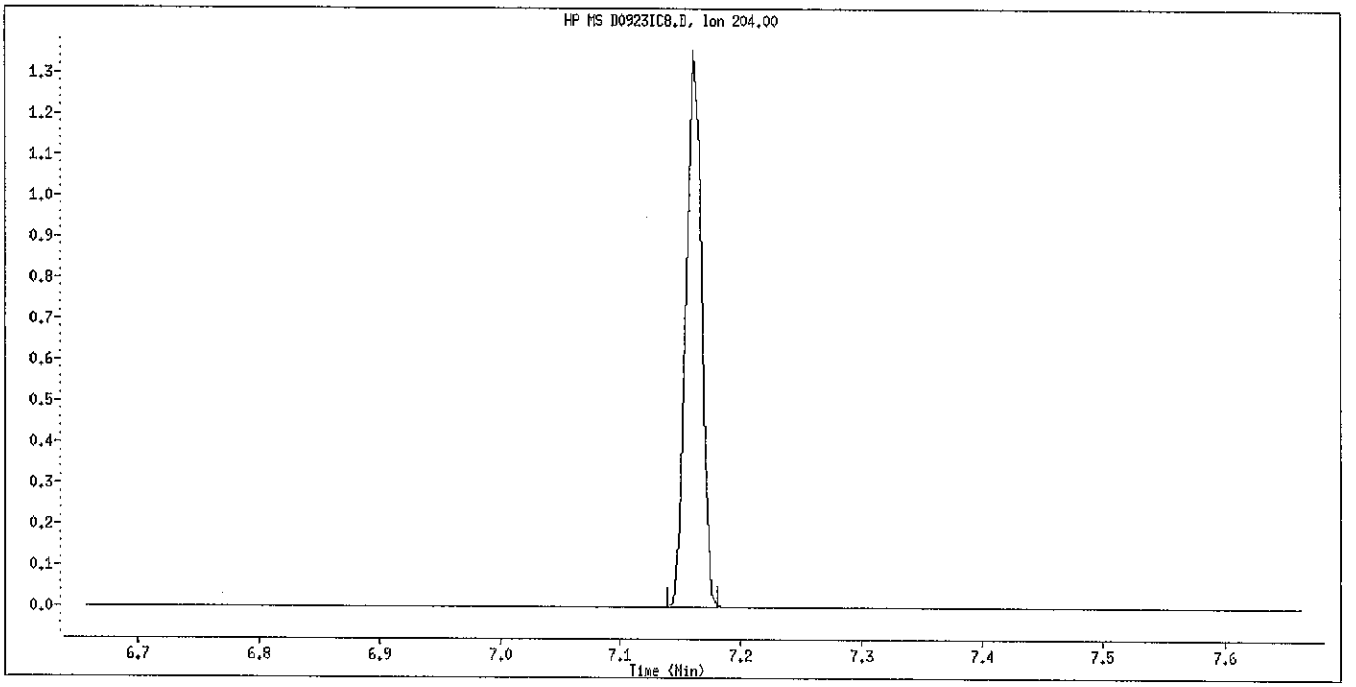
Original Integration



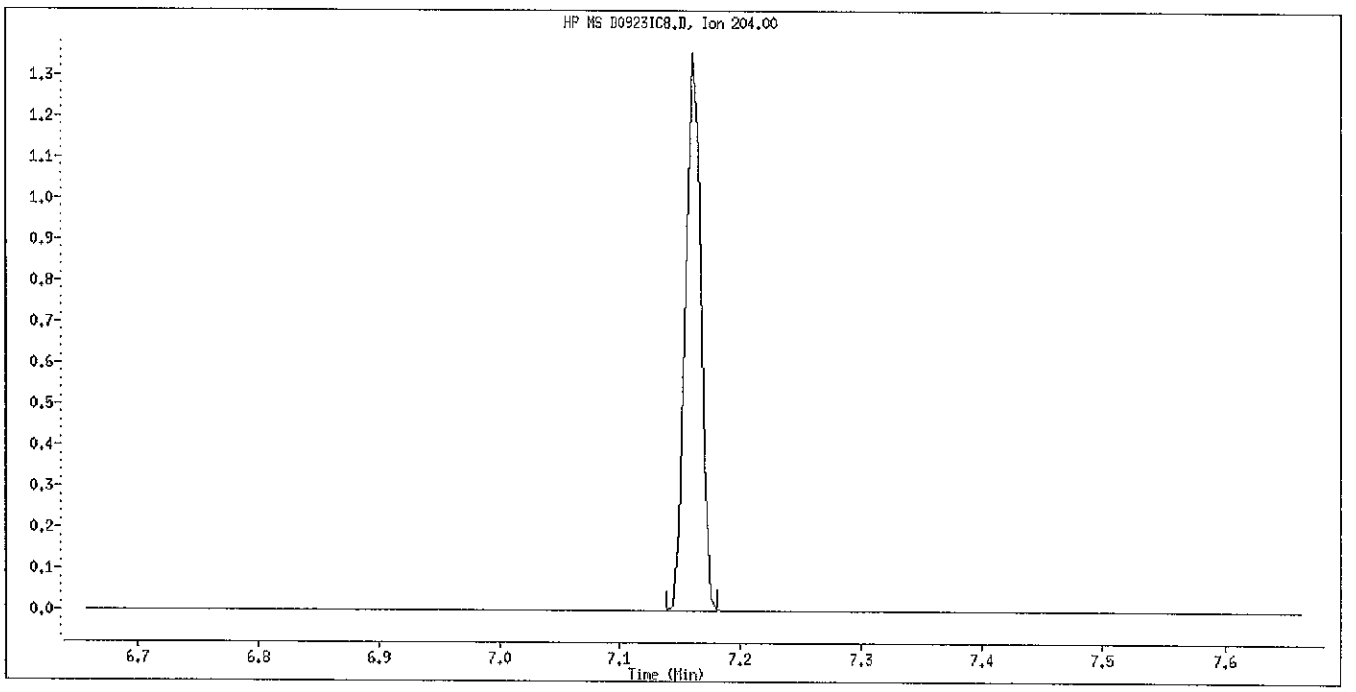
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC8.D
Inj. Date and Time: 23-SEP-2010 20:29
Instrument ID: 732.i
Client ID: sstd80
Compound Name: 4-Chlorophenyl-phenylether
CAS #: 7005-72-3



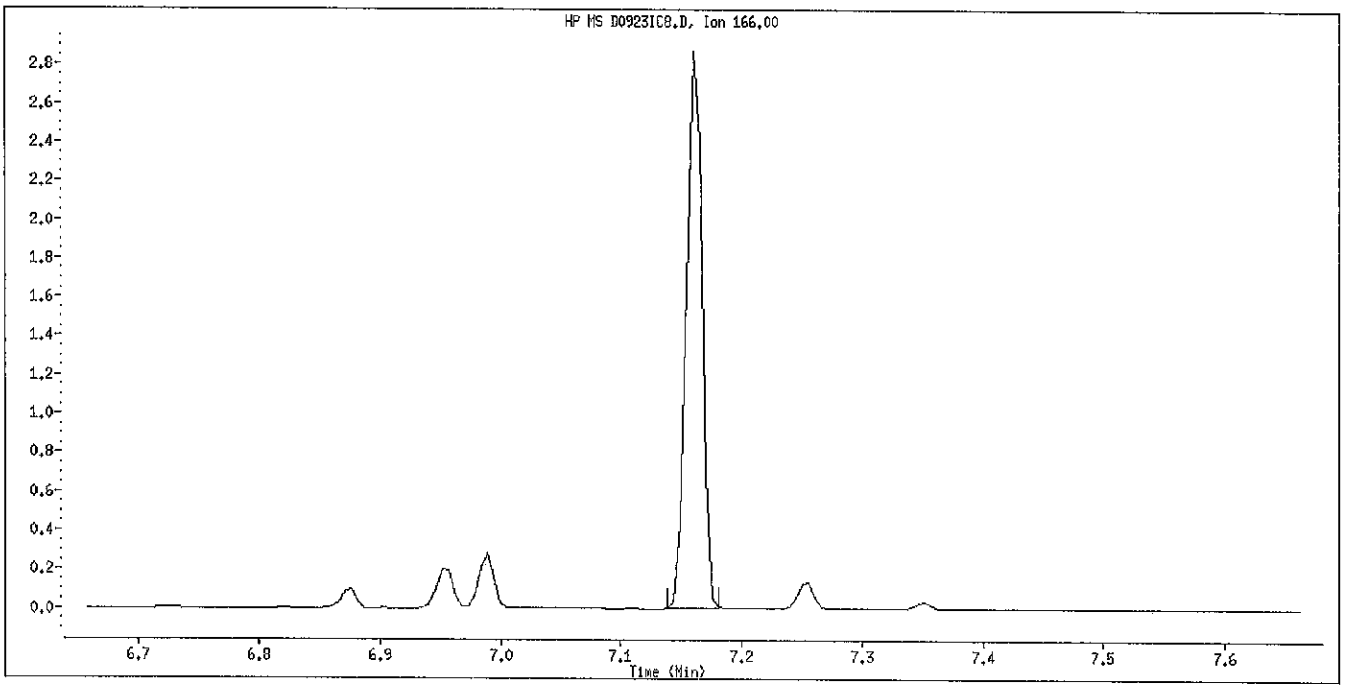
Original Integration



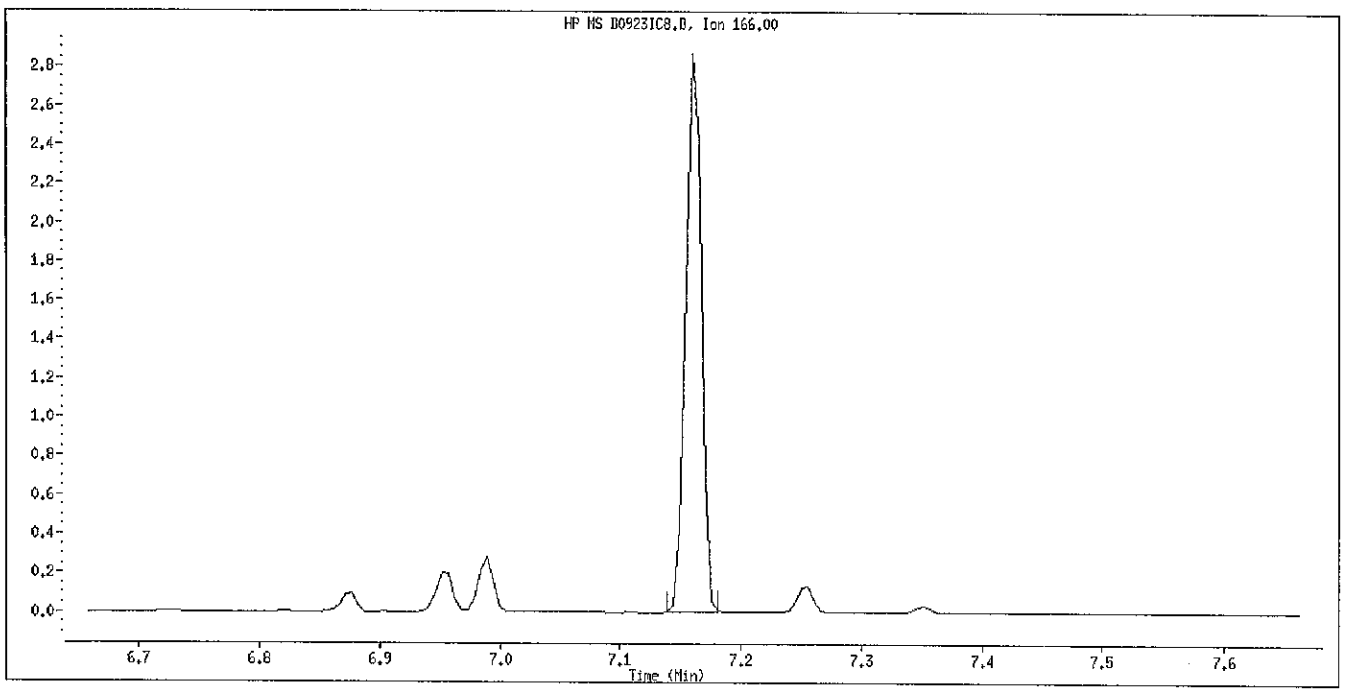
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC8.D
Inj. Date and Time: 23-SEP-2010 20:29
Instrument ID: 732.i
Client ID: sstd80
Compound Name: Fluorene
CAS #: 86-73-7



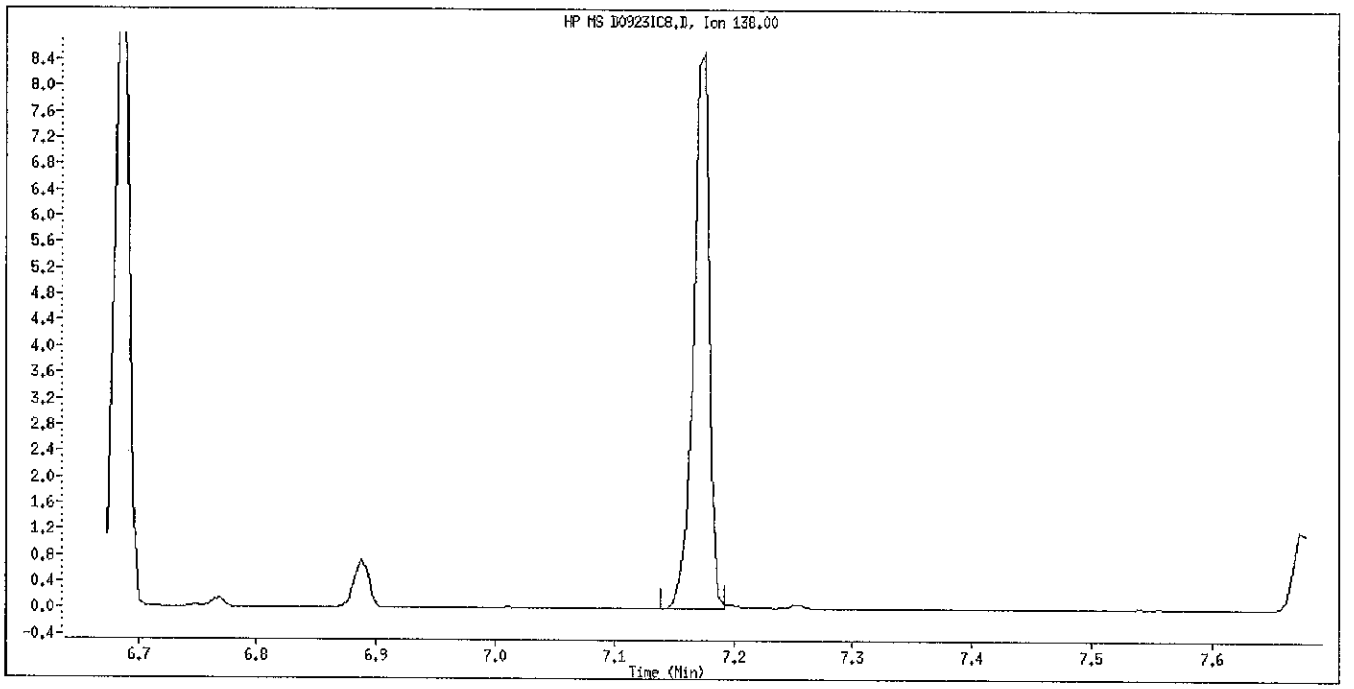
Original Integration



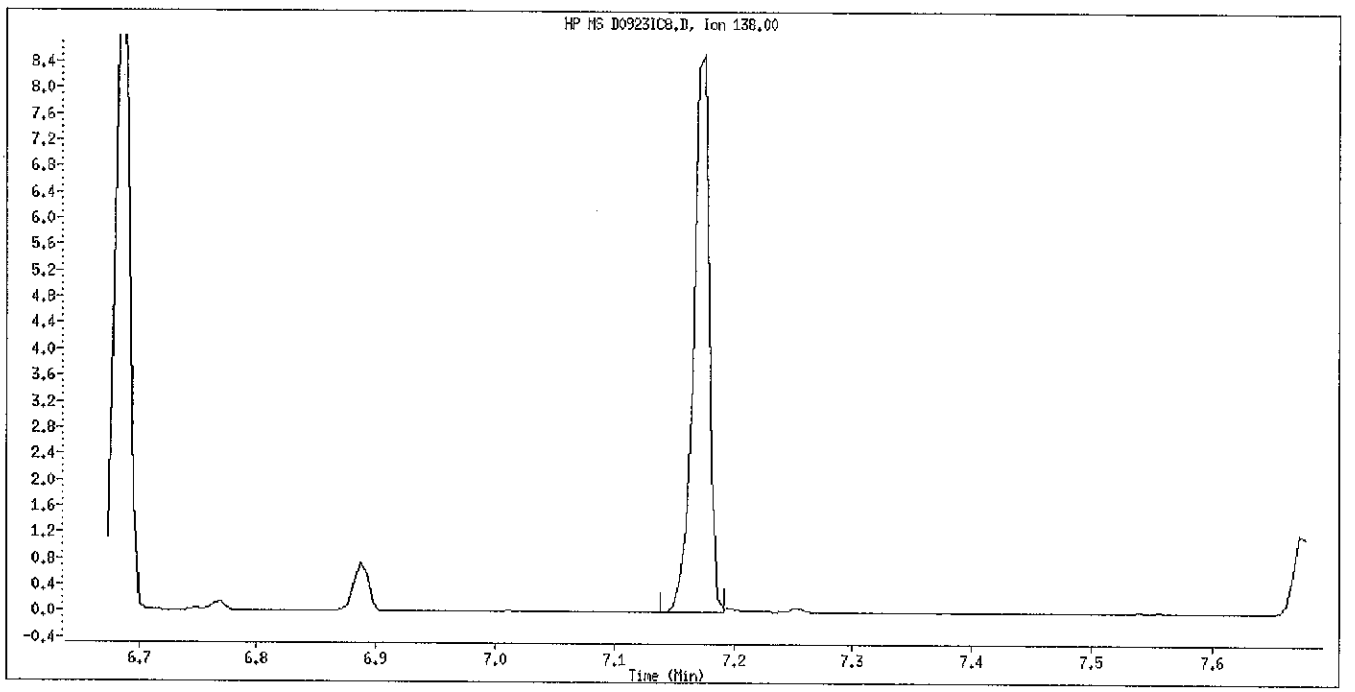
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC8.D
Inj. Date and Time: 23-SEP-2010 20:29
Instrument ID: 732.i
Client ID: sstd80
Compound Name: 4-Nitroaniline
CAS #: 100-01-6



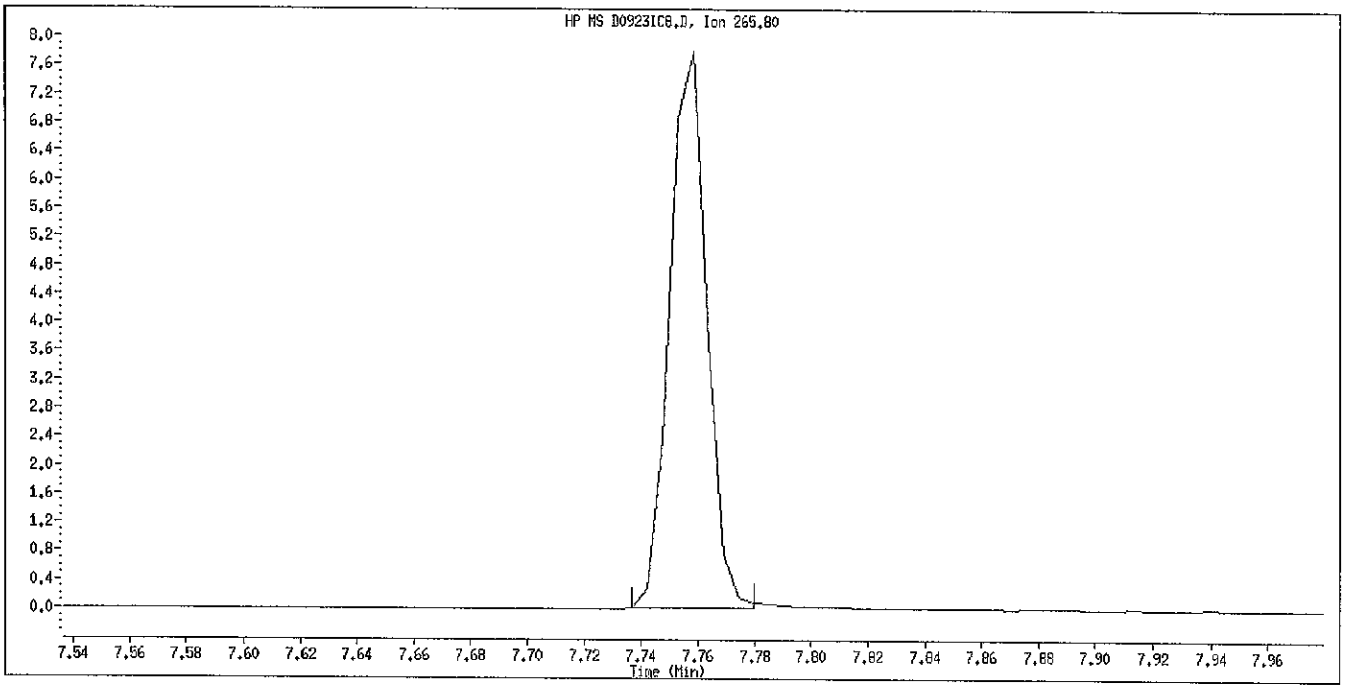
Original Integration



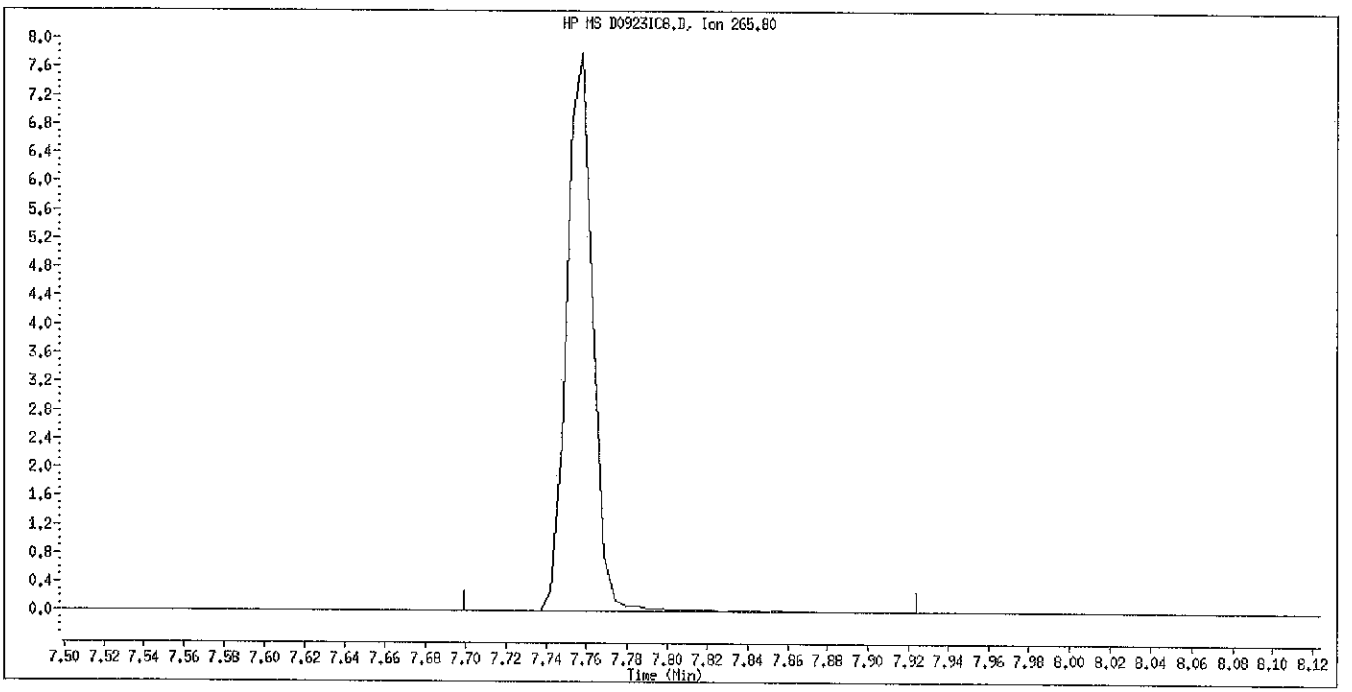
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC8.D
Inj. Date and Time: 23-SEP-2010 20:29
Instrument ID: 732.i
Client ID: sstd80
Compound Name: Pentachlorophenol
CAS #: 87-86-5



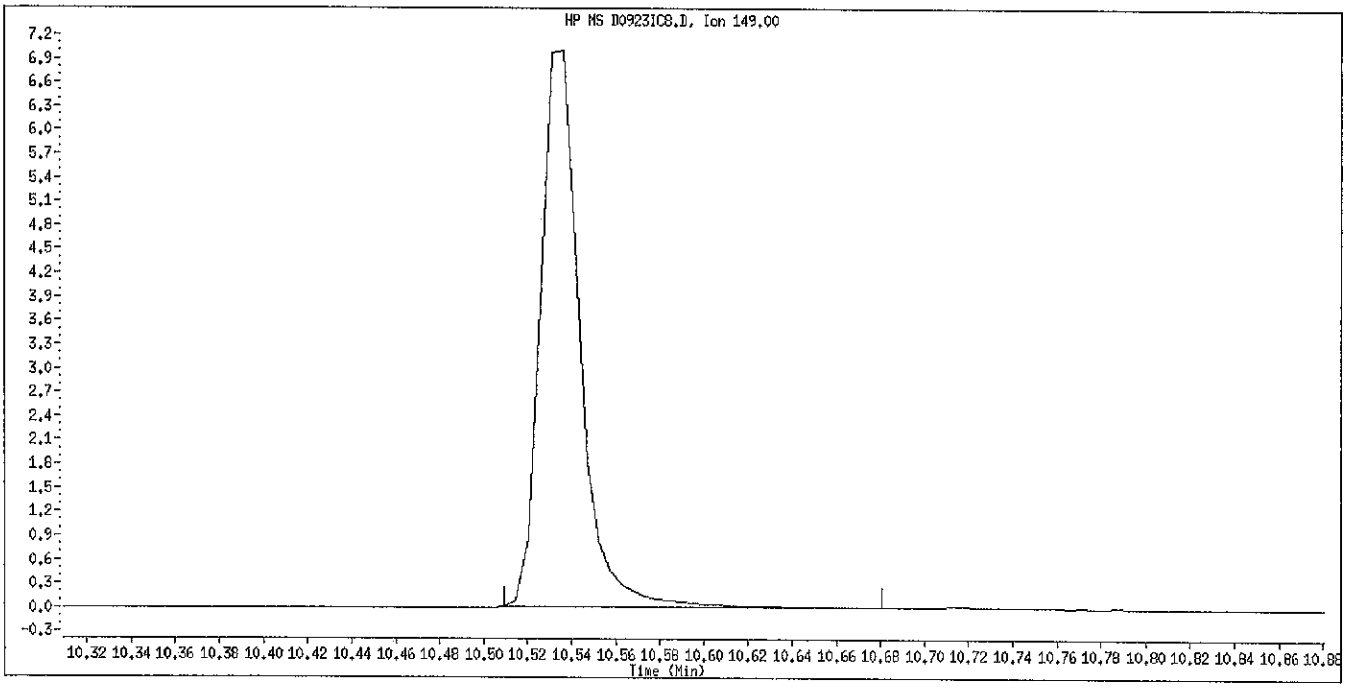
Original Integration



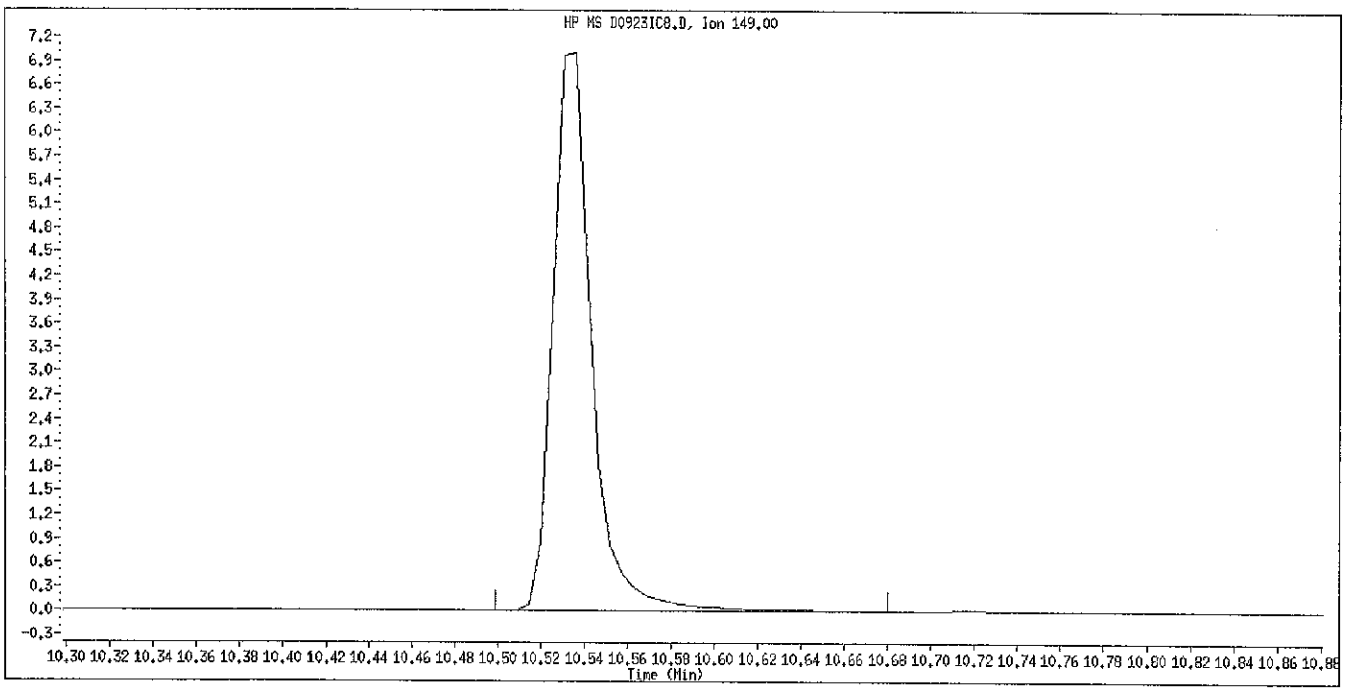
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D0923IC8.D
Inj. Date and Time: 23-SEP-2010 20:29
Instrument ID: 732.i
Client ID: sstd80
Compound Name: Di-n-octylphthalate
CAS #: 117-84-0



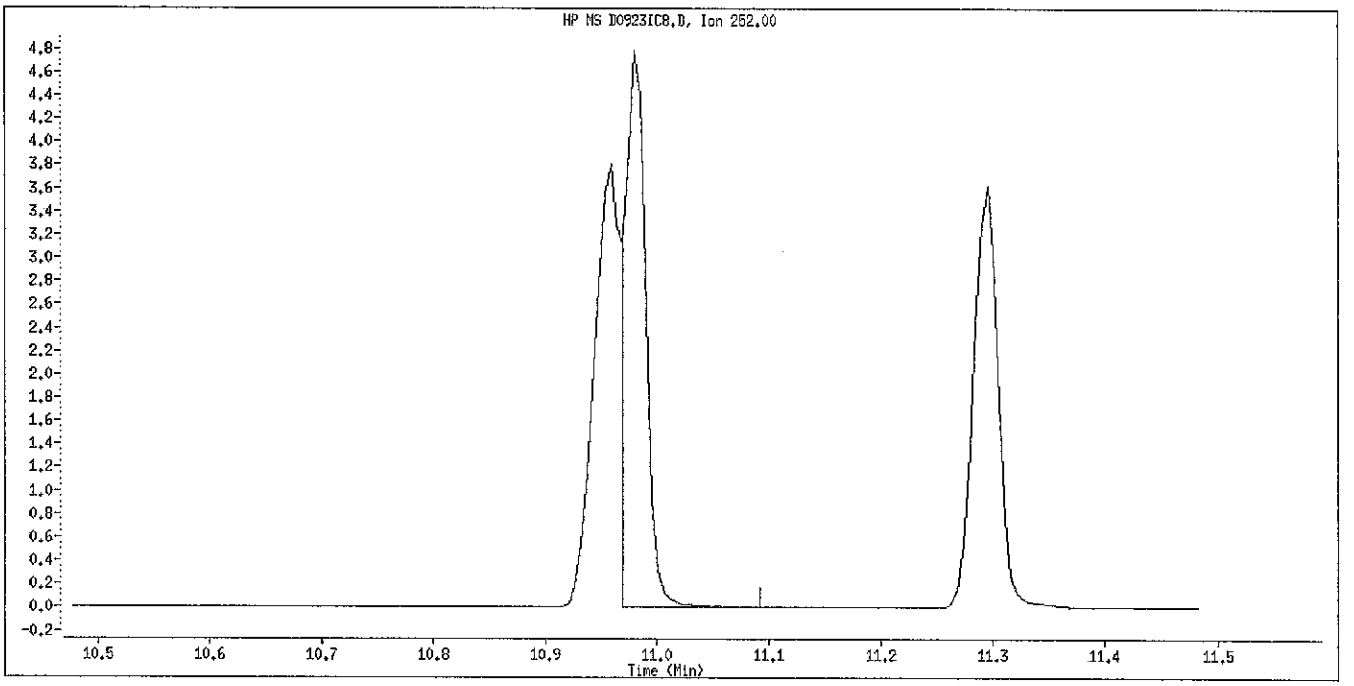
Original Integration



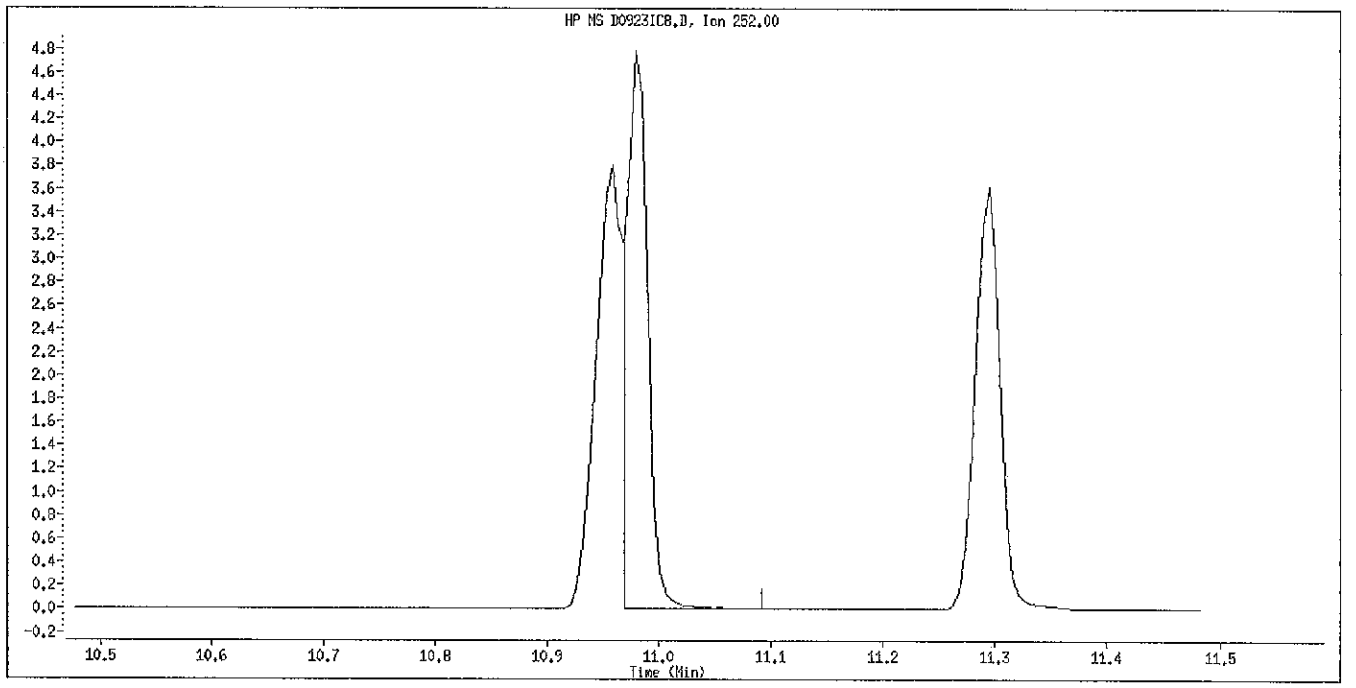
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Unknown

Data File Name: D0923IC8.D
Inj. Date and Time: 23-SEP-2010 20:29
Instrument ID: 732.i
Client ID: sstd80
Compound Name: Benzo(k)fluoranthene
CAS #: 207-08-9



Original Integration



Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File: \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC9.D

Date : 23-SEP-2010 20:48

Client ID: sstdv20

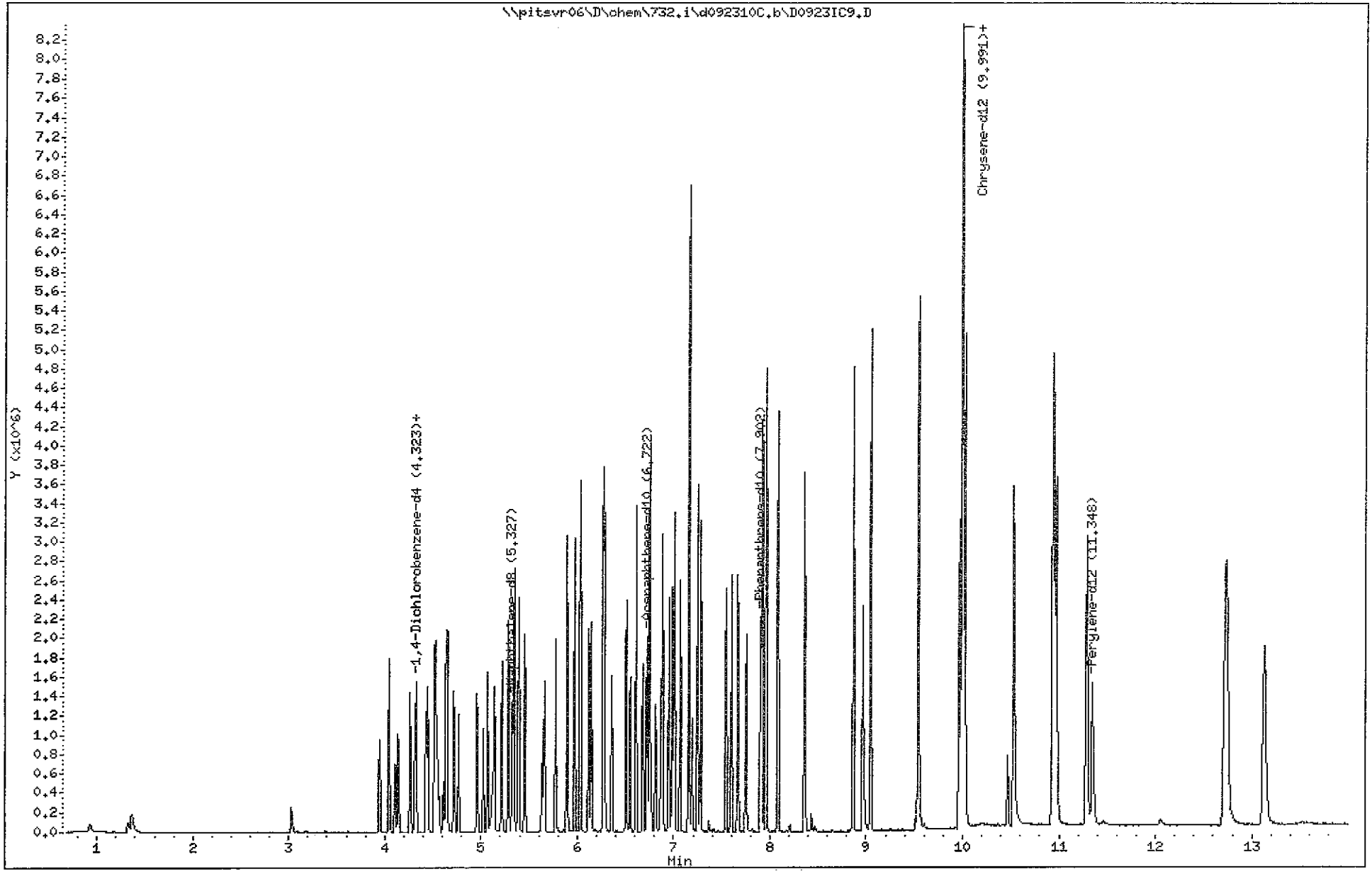
Sample Info: SSTDV20(410ug/ml) BNA0670-10

Column phase: DB5-MS

Instrument: 732.i

Operator: 430261nc

Column diameter: 0.32



Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d092310C.b\D0923IC9.D
Lab Smp Id: sstdv20 Client Smp ID: sstdv20
Inj Date : 23-SEP-2010 20:48
Operator : 430261nc Inst ID: 732.i
Smp Info : SSTDV20(410ug/ml) BNA0670-10
Misc Info : sstdv20,d092310C.b,ll.m,3-root.sub
Comment :
Method : \\pitsvr06\D\chem\732.i\d092310C.b\ll.m
Meth Date : 27-Sep-2010 11:57 campisin Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.312	4.312	(1.000)	106443	8.00000	(Q)
* 2	Naphthalene-d8	136	5.327	5.327	(1.000)	523877	8.00000	
* 3	Acenaphthene-d10	164	6.721	6.722	(1.000)	406043	8.00000	
* 4	Phenanthrene-d10	188	7.902	7.902	(1.000)	750455	8.00000	
* 5	Chrysene-d12	240	10.001	10.007	(1.000)	816725	8.00000	
* 6	Perylene-d12	264	11.348	11.354	(1.000)	750545	8.00000	
198	1,4-Dioxane	88	0.925	0.925	(0.215)	55064	16.3441	16.344
10	N-Nitrosodimethylamine	74	1.331	1.331	(0.309)	70369	17.0743	17.074
9	Pyridine	79	1.368	1.364	(0.317)	148856	18.6075	18.608(M)
16	Methyl methanesulfonate	80	3.030	3.030	(0.703)	102180	17.2770	17.277
206	Benzaldehyde	77	3.943	3.944	(0.915)	189918	20.0669	20.067(Q)
21	Aniline	93	4.039	4.045	(0.937)	424751	18.7684	18.768
22	Phenol	94	4.045	4.051	(0.938)	345550	17.4838	17.484
23	bis(2-Chloroethyl)ether	93	4.104	4.109	(0.952)	248872	16.9285	16.928
24	2-Chlorophenol	128	4.136	4.142	(0.959)	299042	17.4532	17.453
26	1,3-Dichlorobenzene	146	4.264	4.264	(0.989)	364202	17.1745	17.174
27	1,4-Dichlorobenzene	146	4.323	4.328	(1.002)	375176	17.3195	17.319
28	1,2-Dichlorobenzene	146	4.445	4.446	(1.031)	361001	17.0595	17.059
29	Benzyl Alcohol	108	4.429	4.430	(1.027)	203739	19.6516	19.652(Q)
217	Indene	116	4.515	4.521	(1.047)	571713	18.6637	18.664
30	2-Methylphenol	108	4.531	4.537	(1.051)	282288	17.4665	17.466
31	2,2'-oxybis(1-Chloropropane)	45	4.547	4.548	(1.055)	420561	20.0065	20.006(Q)
36	N-Nitrosopyrrolidine	100	4.606	4.617	(1.068)	137582	18.1230	18.123(Q)
37	Acetophenone	105	4.632	4.638	(1.074)	410223	17.2096	17.210
32	N-Nitroso-di-n-propylamine	70	4.643	4.649	(1.077)	179109	17.2275	17.228
192	4-Methylphenol	108	4.648	4.654	(1.078)	297389	18.5839	18.584
34	Hexachloroethane	117	4.718	4.718	(1.094)	170823	17.5672	17.567(Q)
35	Nitrobenzene	77	4.766	4.772	(0.895)	306248	17.4936	17.494
41	Isophorone	82	4.958	4.964	(0.931)	577271	17.2323	17.232
42	2-Nitrophenol	139	5.022	5.028	(0.943)	188936	17.9583	17.958
43	2,4-Dimethylphenol	107	5.071	5.071	(0.952)	313463	16.5567	16.557
44	bis(2-Chloroethoxy)methane	93	5.140	5.146	(0.965)	399325	16.8358	16.836
48	2,4-Dichlorophenol	162	5.215	5.221	(0.979)	331345	17.6932	17.693

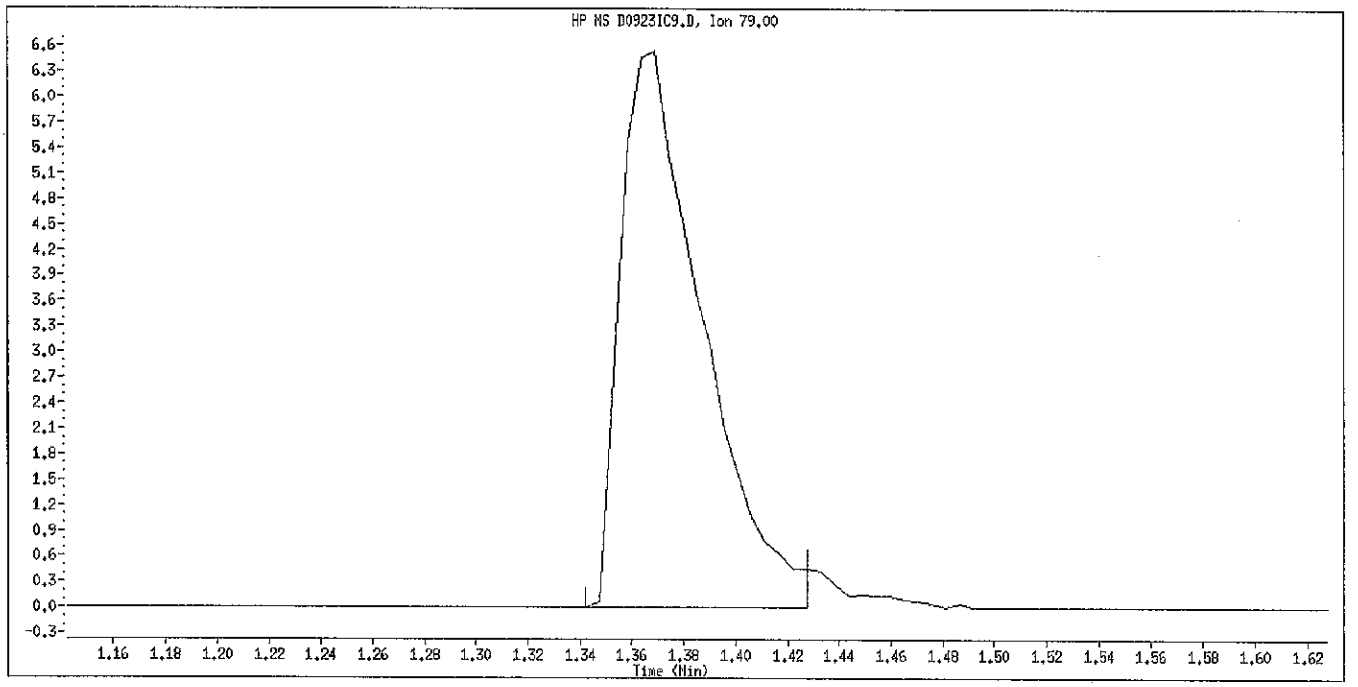
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (NG)
49 Benzoic Acid	122	5.129	5.162	(0.963)	227893	18.3924	18.392(M)
50 1,2,4-Trichlorobenzene	180	5.284	5.290	(0.992)	380816	17.1184	17.118
51 Naphthalene	128	5.343	5.344	(1.003)	1129653	16.8343	16.834
52 4-Chloroaniline	127	5.386	5.392	(1.011)	469092	16.9390	16.939
54 2,6-Dichlorophenol	162	5.396	5.397	(1.013)	355685	18.8317	18.832
56 Hexachlorobutadiene	225	5.455	5.456	(1.024)	211130	16.1213	16.121(Q)
208 Caprolactam	113	5.637	5.669	(1.058)	115320	19.4788	19.479(Q)
59 4-Chloro-3-Methylphenol	107	5.776	5.782	(1.084)	325759	17.5177	17.518(H)
62 2-Methylnaphthalene	142	5.893	5.894	(1.106)	780712	16.5790	16.579
63 1-Methylnaphthalene	142	5.973	5.974	(1.121)	845795	18.0299	18.030
64 Hexachlorocyclopentadiene	237	6.032	6.033	(0.897)	215699	14.6740	14.674
65 1,2,4,5-Tetrachlorobenzene	216	6.032	6.033	(0.897)	406792	16.6910	16.691
66 2,4,6-Trichlorophenol	196	6.118	6.123	(0.910)	285633	17.2793	17.279
67 2,4,5-Trichlorophenol	196	6.144	6.156	(0.914)	309032	17.5336	17.534
209 1,1'-Biphenyl	154	6.267	6.268	(0.932)	1061808	16.7916	16.792
70 2-Chloronaphthalene	162	6.278	6.284	(0.934)	862995	16.7326	16.732
73 2-Nitroaniline	65	6.358	6.359	(0.946)	207111	17.8345	17.834(Q)
76 Dimethylphthalate	163	6.508	6.513	(0.968)	924662	17.1235	17.124
78 2,6-Dinitrotoluene	165	6.550	6.556	(0.975)	207482	18.4629	18.463(Q)
79 Acenaphthylene	152	6.609	6.610	(0.983)	1356370	16.2042	16.204
81 3-Nitroaniline	138	6.679	6.684	(0.994)	254912	17.5307	17.531
82 Acenaphthene	153	6.748	6.749	(1.004)	868155	16.6003	16.600
83 2,4-Dinitrophenol	184	6.764	6.770	(1.006)	103067	17.4374	17.437(Q)
85 4-Nitrophenol	109	6.812	6.823	(1.014)	115281	16.7295	16.730(Q)
86 Dibenzofuran	168	6.887	6.887	(1.025)	1321546	16.6476	16.648
87 2,4-Dinitrotoluene	165	6.871	6.877	(1.022)	285077	17.5559	17.556(Q)
91 2,3,5,6-Tetrachlorophenol	232	6.951	6.957	(1.034)	292385	19.1557	19.156
88 2,3,4,6-Tetrachlorophenol	232	6.983	6.989	(1.039)	291476	18.6054	18.605
92 2-Naphthylamine	143	7.004	7.010	(1.042)	994901	19.0324	19.032(H)
93 Diethylphthalate	149	7.069	7.074	(1.052)	990479	16.6867	16.687
94 Fluorene	166	7.159	7.160	(1.065)	973892	16.1793	16.179
95 4-Chlorophenyl-phenylether	204	7.159	7.160	(1.065)	457057	16.5428	16.543
96 4-Nitroaniline	138	7.165	7.176	(1.066)	243960	17.7053	17.705(Q)
98 4,6-Dinitro-2-methylphenol	198	7.191	7.197	(0.910)	163127	15.9910	15.991
99 N-Nitrosodiphenylamine (1)	169	7.250	7.256	(0.918)	883205	21.1551	21.155
100 1,2-Diphenylhydrazine	77	7.282	7.288	(0.922)	1103086	16.8684	16.868
106 4-Bromophenyl-phenylether	248	7.544	7.550	(0.955)	304026	17.2881	17.288
107 Hexachlorobenzene	284	7.603	7.603	(0.962)	324900	16.6846	16.684
210 Atrazine	200	7.667	7.678	(0.970)	277861	18.7776	18.778
111 Pentachlorophenol	266	7.752	7.758	(0.981)	212733	16.9836	16.984(M)
115 Phenanthrene	178	7.918	7.924	(1.002)	1698821	16.1808	16.181
116 Anthracene	178	7.961	7.967	(1.007)	1783966	17.3535	17.353
119 Carbazole	167	8.084	8.089	(1.023)	1688663	17.3599	17.360
120 Di-n-Butylphthalate	149	8.361	8.362	(1.058)	2040548	17.2420	17.242
123 Fluoranthene	202	8.863	8.869	(1.122)	1954335	17.7531	17.753
124 Benzidine	184	8.965	8.966	(0.896)	1046430	19.4724	19.472
125 Pyrene	202	9.045	9.051	(0.904)	2112176	17.0577	17.058
131 Butylbenzylphthalate	149	9.542	9.543	(0.954)	997538	18.0717	18.072
135 3,3'-Dichlorobenzidine	252	9.964	9.970	(0.996)	701594	16.7434	16.743
136 Benzo(a)Anthracene	228	9.991	9.997	(0.999)	1798655	16.9198	16.920
137 Chrysene	228	10.023	10.029	(1.002)	1991276	17.0464	17.046
139 bis(2-ethylhexyl)Phthalate	149	9.991	9.991	(0.999)	1269984	17.7762	17.776
140 Di-n-octylphthalate	149	10.530	10.536	(0.928)	2456361	16.7716	16.772
141 Benzo(b)fluoranthene	252	10.947	10.958	(0.965)	1717659	15.3917	15.392

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (NG)
142 Benzo(k)fluoranthene	252	10.974	10.980	(0.967)	2066498	16.8835	16.884(H)
143 7,12-dimethylbenz[a]anthracen	256	10.936	10.942	(0.964)	835078	18.2866	18.287
146 Benzo(a)pyrene	252	11.289	11.295	(0.995)	1684842	17.8420	17.842
149 Indeno(1,2,3-cd)pyrene	276	12.721	12.737	(1.121)	1814060	16.0427	16.043(Q)
150 Dibenz(a,h)anthracene	278	12.742	12.759	(1.123)	1496107	15.8074	15.807
151 Benzo(g,h,i)perylene	276	13.132	13.154	(1.157)	1562267	17.4864	17.486
$ 154 Nitrobenzene-d5	82	Compound Not Detected.					
$ 155 2-Fluorobiphenyl	172	Compound Not Detected.					
$ 156 Terphenyl-d14	244	Compound Not Detected.					
$ 157 Phenol-d5	99	Compound Not Detected.					
$ 158 2-Fluorophenol	112	Compound Not Detected.					
$ 159 2,4,6-Tribromophenol	329	Compound Not Detected.					
$ 186 2-Chlorophenol-d4	132	Compound Not Detected.					
$ 187 1,2-Dichlorobenzene-d4	152	Compound Not Detected.					

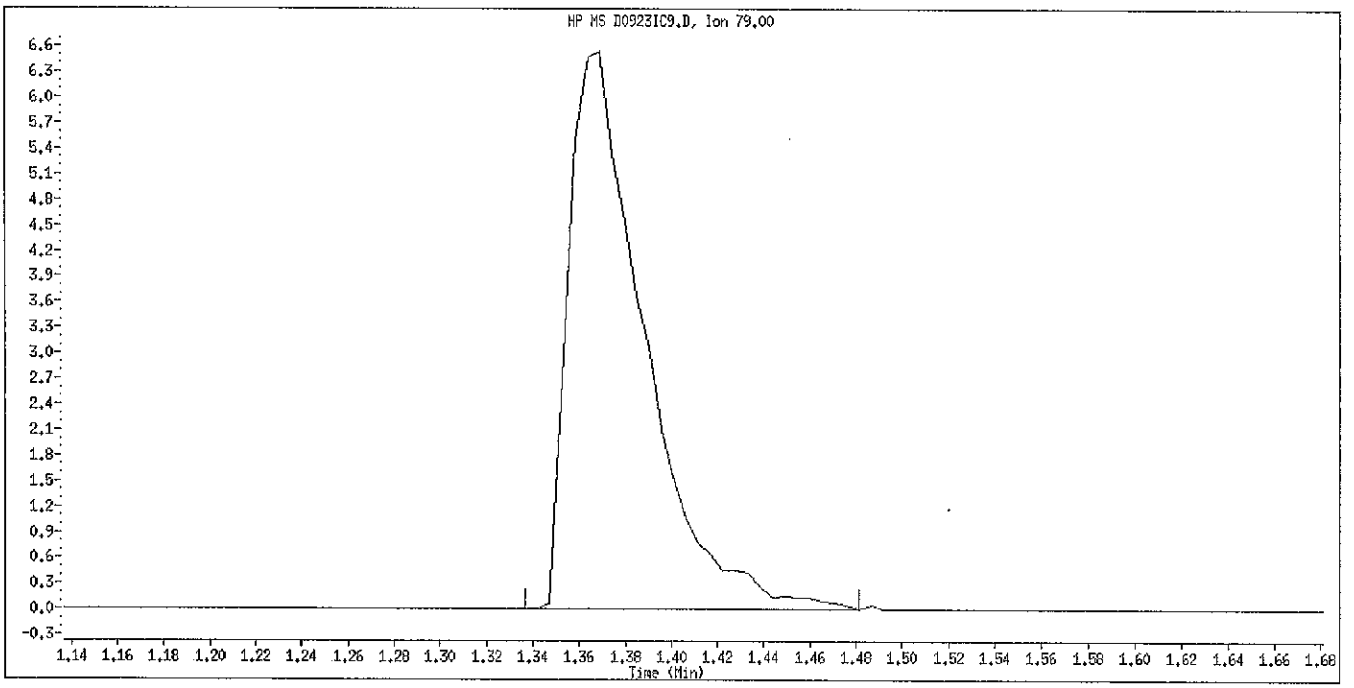
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: D0923IC9.D
Inj. Date and Time: 23-SEP-2010 20:48
Instrument ID: 732.i
Client ID: sstdv20
Compound Name: Pyridine
CAS #: 110-86-1



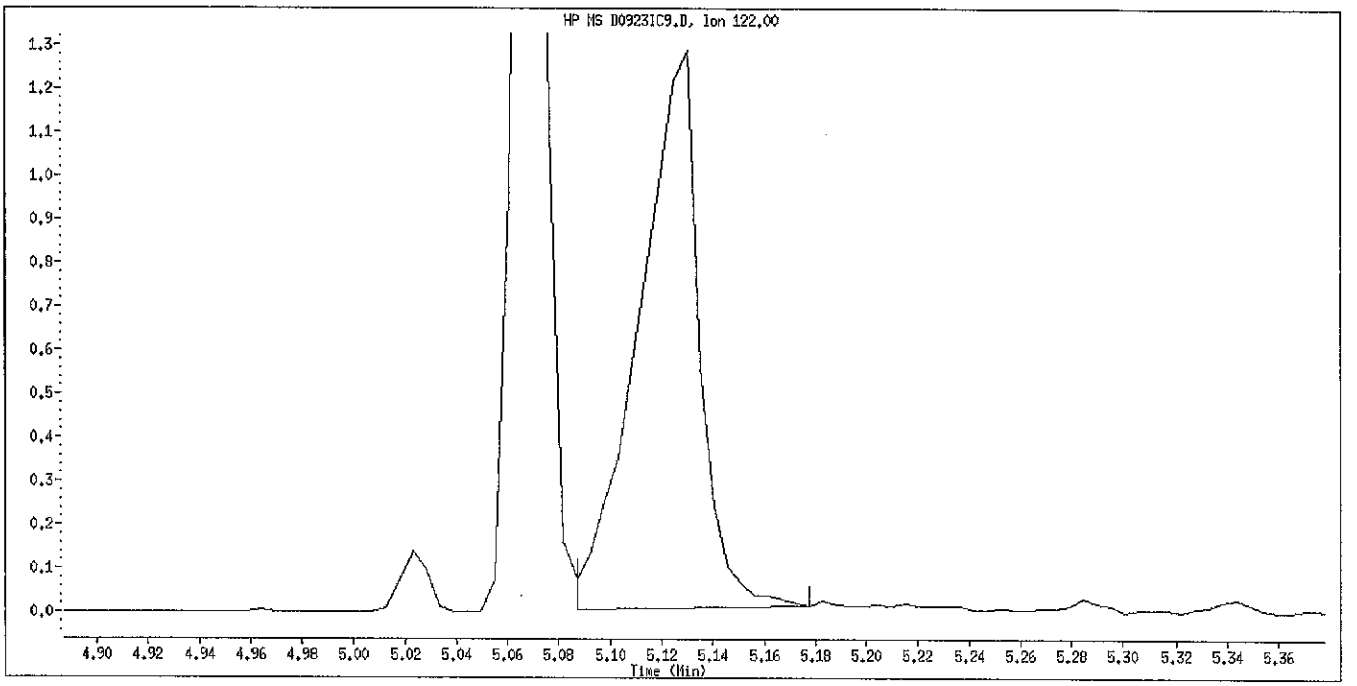
Original Integration



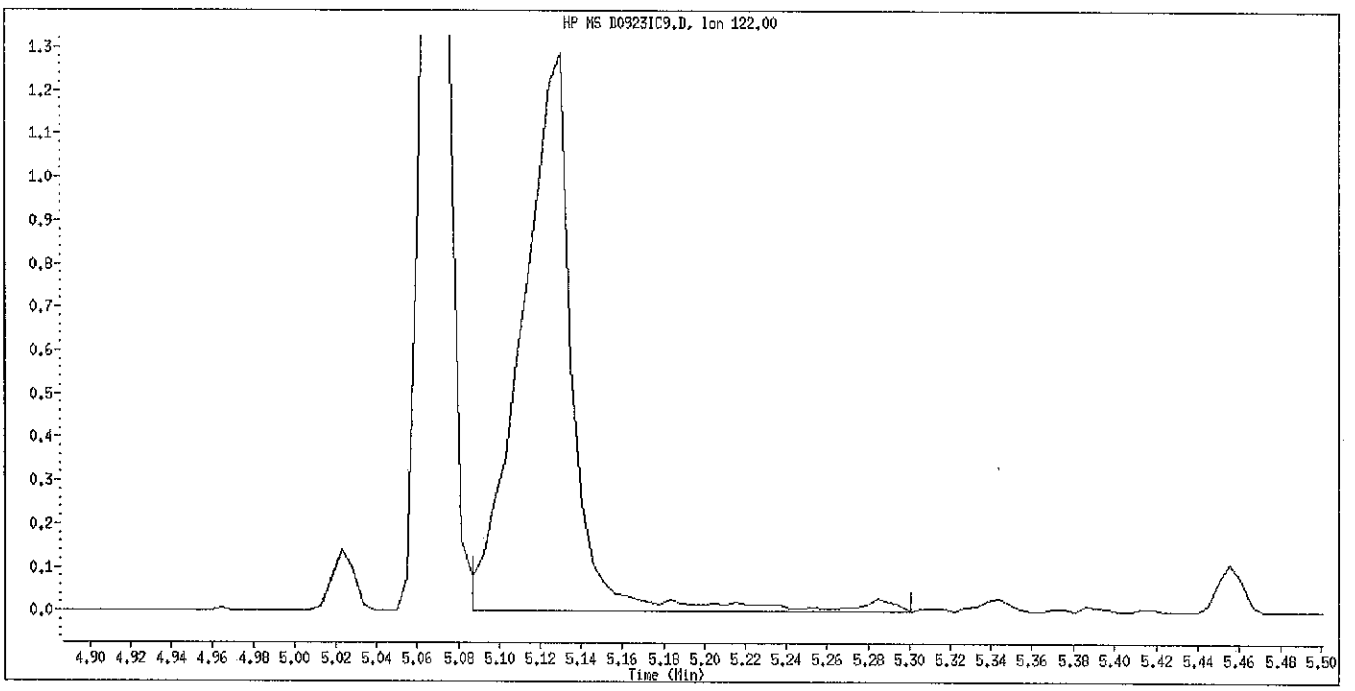
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D0923IC9.D
Inj. Date and Time: 23-SEP-2010 20:48
Instrument ID: 732.i
Client ID: sstdv20
Compound Name: Benzoic Acid
CAS #: 65-85-0



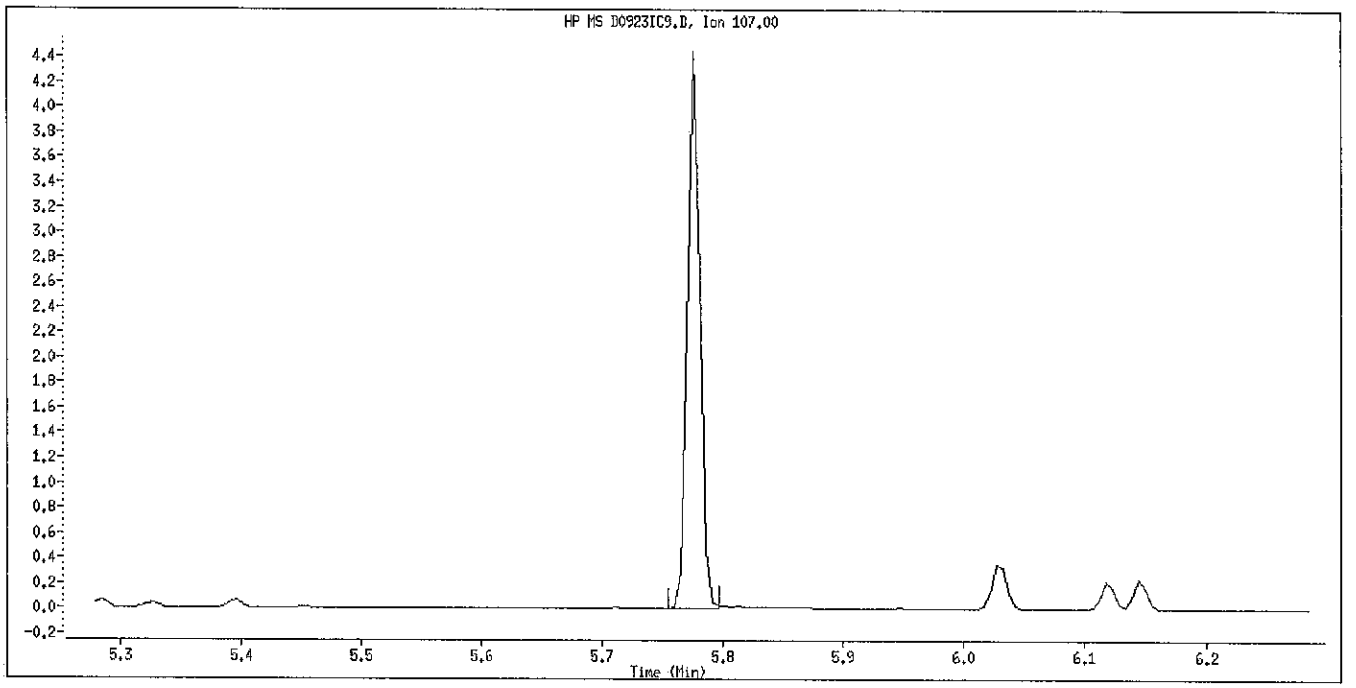
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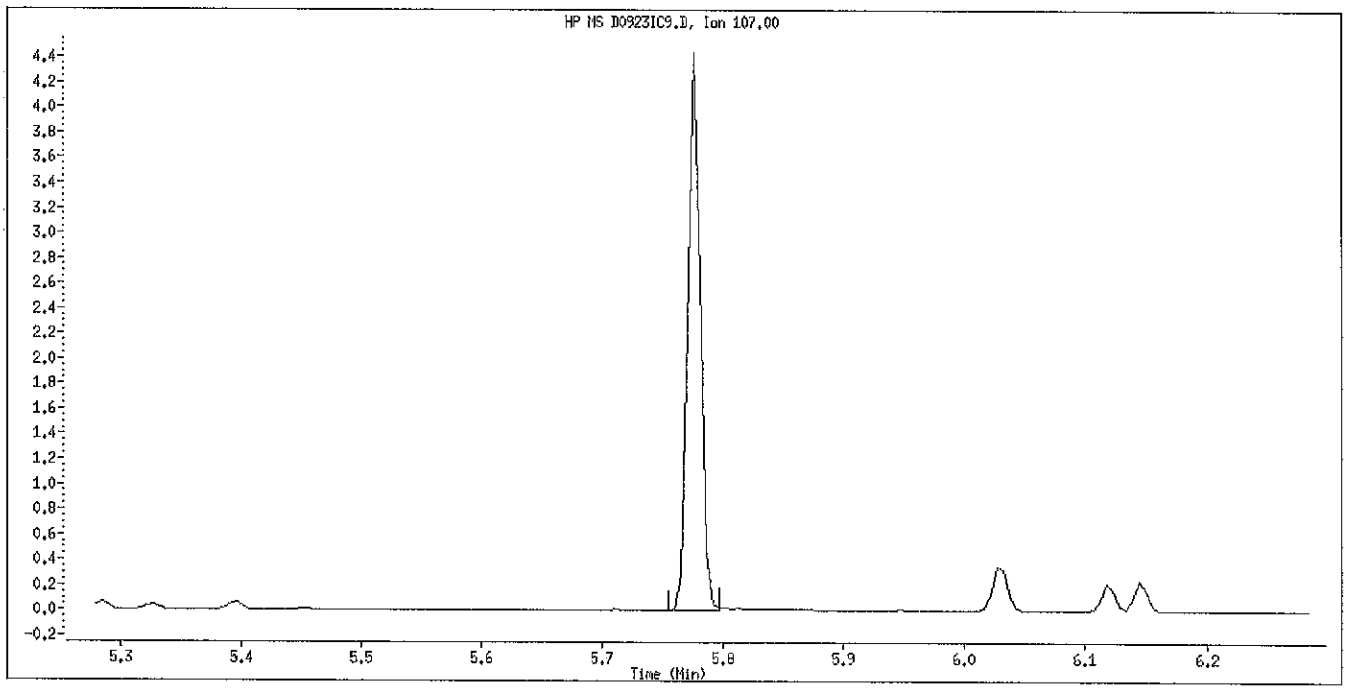
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D0923IC9.D
Inj. Date and Time: 23-SEP-2010 20:48
Instrument ID: 732.i
Client ID: sstdv20
Compound Name: 4-Chloro-3-Methylphenol
CAS #: 59-50-7



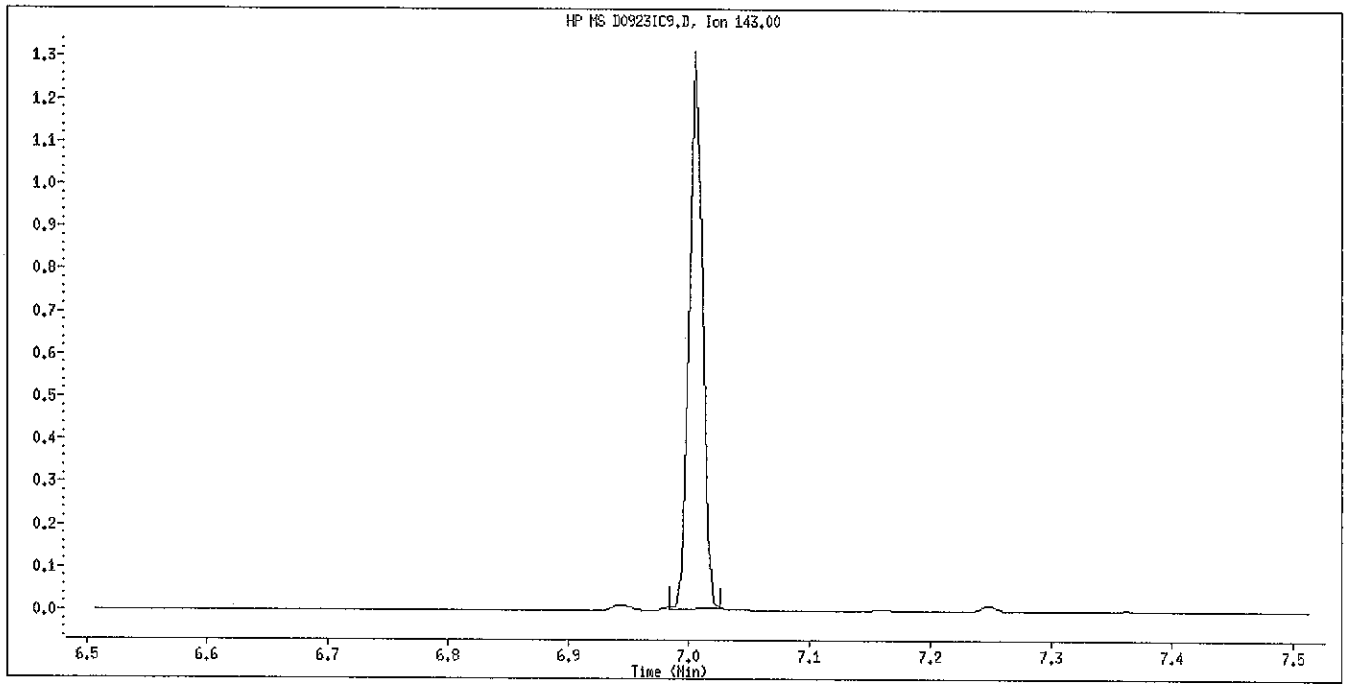
Original Integration



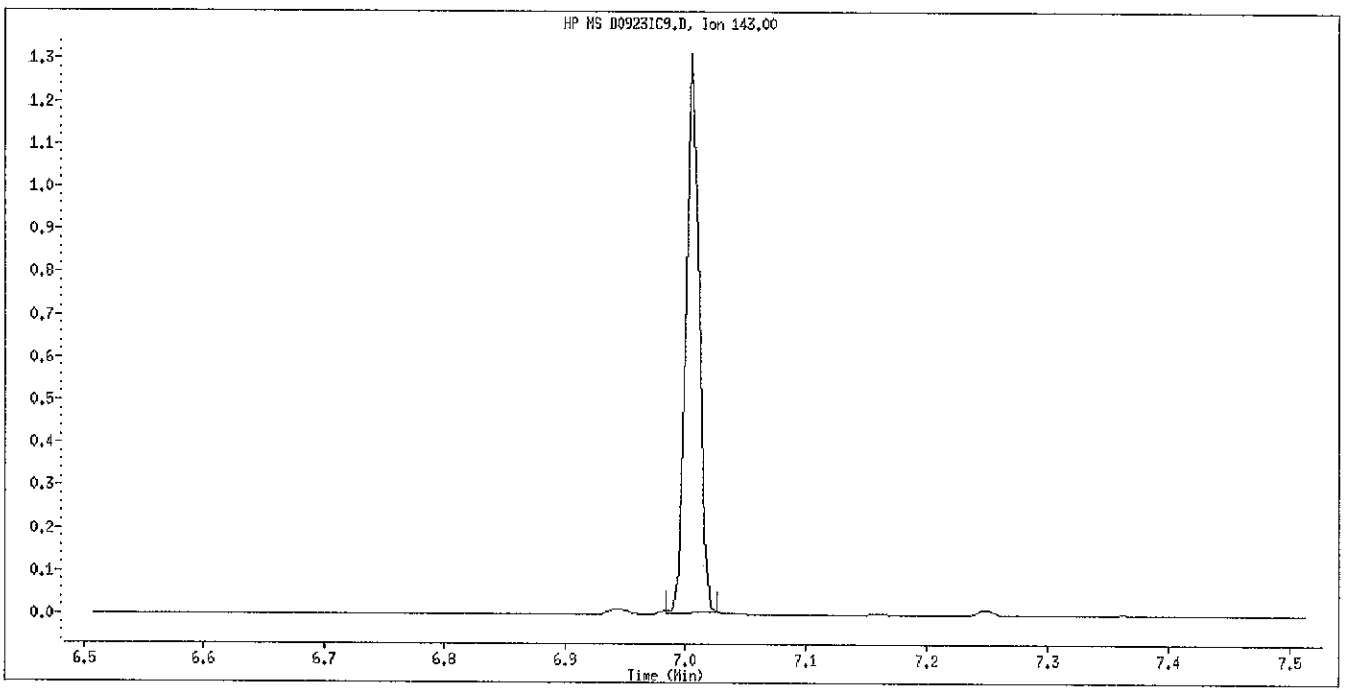
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC9.D
Inj. Date and Time: 23-SEP-2010 20:48
Instrument ID: 732.i
Client ID: sstdv20
Compound Name: 2-Naphthylamine
CAS #: 91-59-8



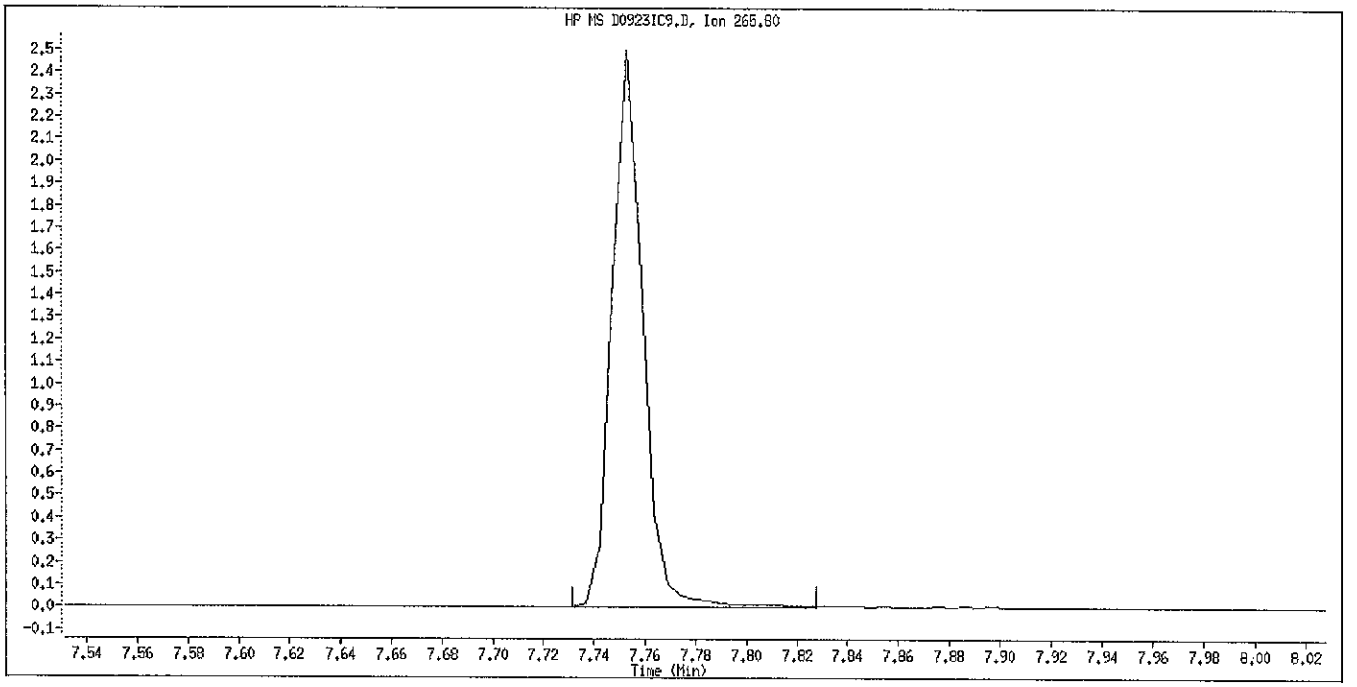
Original Integration



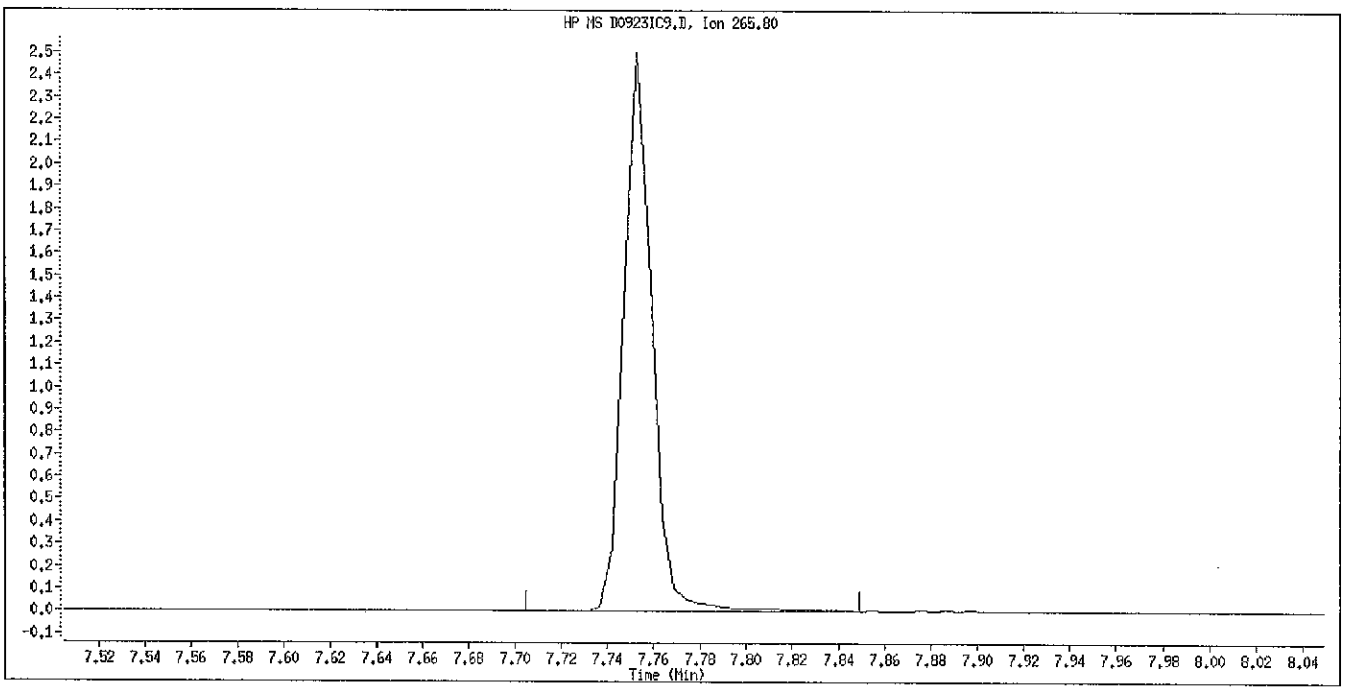
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Data File Name: D0923IC9.D
Inj. Date and Time: 23-SEP-2010 20:48
Instrument ID: 732.i
Client ID: sstdv20
Compound Name: Pentachlorophenol
CAS #: 87-86-5



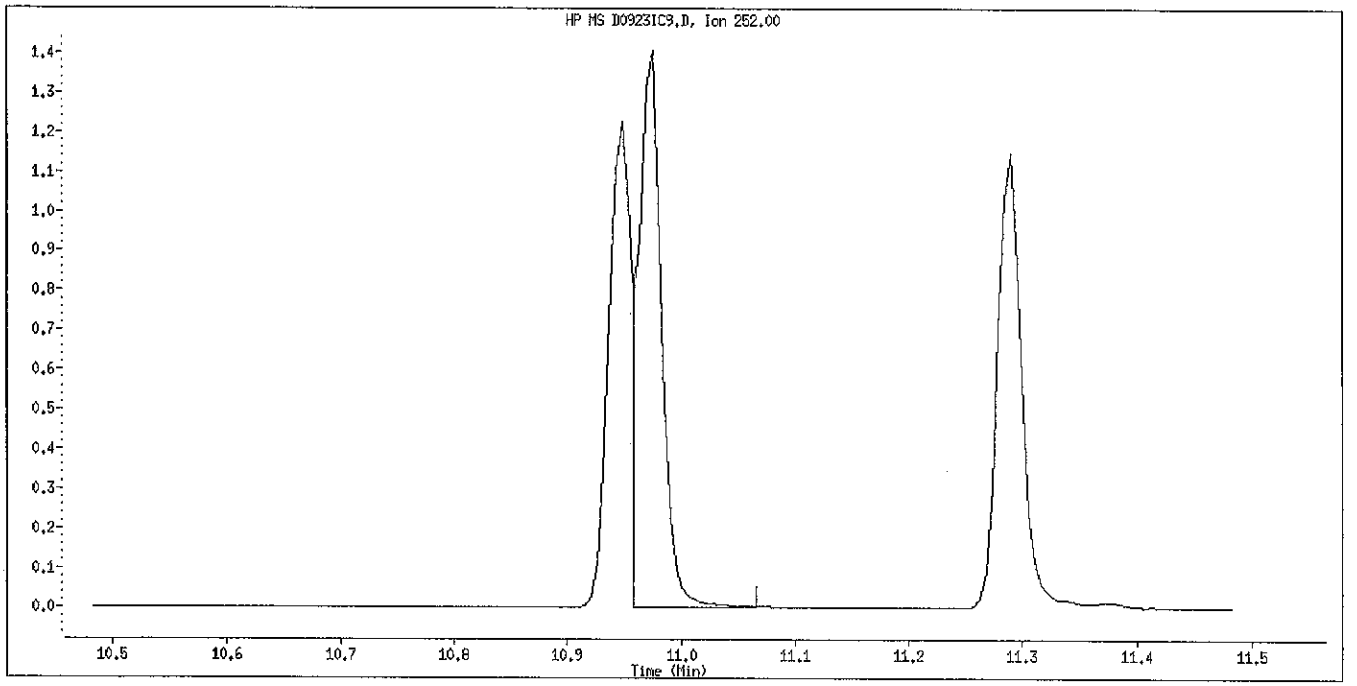
Original Integration



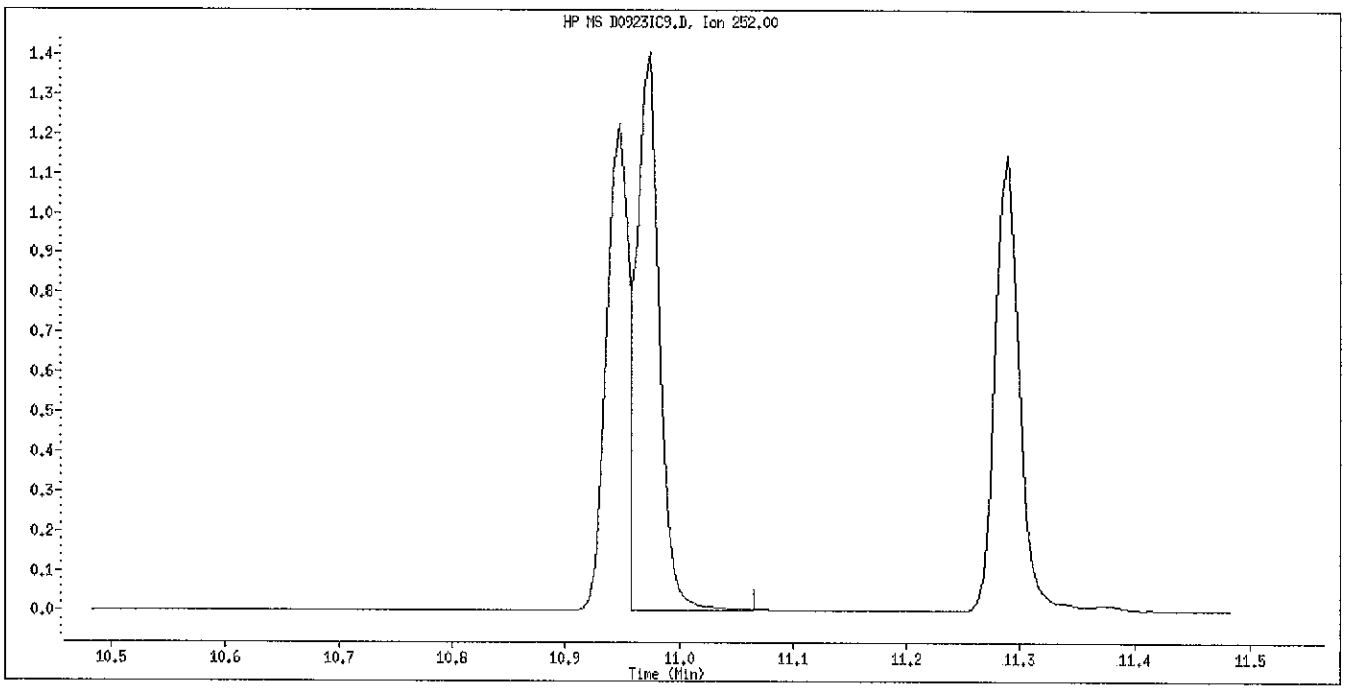
Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D0923IC9.D
Inj. Date and Time: 23-SEP-2010 20:48
Instrument ID: 732.i
Client ID: sstdv20
Compound Name: Benzo(k)fluoranthene
CAS #: 207-08-9



Original Integration



Manual Integration

Manually Integrated By: campisin
Manual Integration Reason: Peak Not Found

Test America Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 732.i
Lab File ID: D1104CC1.D
Analysis Type:
Lab Sample ID: sstd4
Method: \\pitsvr06\D\chem\732.i\d110410.b\ll.m

Injection Date: 04-NOV-2010 12:27
Init. Cal. Date(s): 23-SEP-2010 23-SEP-2010
Init. Cal. Times: 18:01 20:29
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF4	CCAL RRF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
198 1,4-Dioxane	0.25321	0.31491	0.31491	0.010	-24.36812	25.00000	Averaged
10 N-Nitrosodimethylamine	0.30975	0.32592	0.32592	0.010	-5.21966	25.00000	Averaged
9 Pyridine	0.60124	0.61014	0.61014	0.010	-1.48005	25.00000	Averaged
16 Methyl methanesulfonate	0.44450	0.45717	0.45717	0.010	-2.85036	25.00000	Averaged
206 Benzaldehyde	0.71131	0.53504	0.53504	0.010	24.78184	25.00000	Averaged
21 Aniline	1.70091	1.78260	1.78260	0.010	-4.80305	25.00000	Averaged
22 Phenol	1.48542	1.72553	1.72553	0.010	-16.16437	20.00000	Averaged
23 bis(2-Chloroethyl)ether	1.10492	1.24717	1.24717	0.010	-12.87438	25.00000	Averaged
24 2-Chlorophenol	1.28775	1.32439	1.32439	0.010	-2.84594	25.00000	Averaged
26 1,3-Dichlorobenzene	1.59379	1.54541	1.54541	0.010	3.03532	25.00000	Averaged
27 1,4-Dichlorobenzene	1.62807	1.64608	1.64608	0.010	-1.10635	20.00000	Averaged
28 1,2-Dichlorobenzene	1.59043	1.63637	1.63637	0.010	-2.88811	25.00000	Averaged
29 Benzyl Alcohol	0.77920	0.92305	0.92305	0.010	-18.46104	25.00000	Averaged
217 Indene	2.30225	2.47129	2.47129	0.010	-7.34233	25.00000	Averaged
30 2-Methylphenol	1.21468	1.30988	1.30988	0.010	-7.83738	25.00000	Averaged
31 2,2'-oxybis(1-Chloropropane	1.57990	1.97193	1.97193	0.010	-24.81343	25.00000	Averaged
36 N-Nitrosopyrrolidine	0.57056	0.61581	0.61581	0.010	-7.92940	25.00000	Averaged
37 Acetophenone	1.79152	2.03861	2.03861	0.010	-13.79196	25.00000	Averaged
32 N-Nitroso-di-n-propylamine	0.78139	0.92240	0.92240	0.050	-18.04650	25.00000	Averaged
192 4-Methylphenol	1.20271	1.36340	1.36340	0.010	-13.36047	25.00000	Averaged
34 Hexachloroethane	0.73083	0.79434	0.79434	0.010	-8.69051	25.00000	Averaged
35 Nitrobenzene	0.26733	0.33144	0.33144	0.010	-23.98015	25.00000	Averaged
41 Isophorone	0.51156	0.58276	0.58276	0.010	-13.91879	25.00000	Averaged
42 2-Nitrophenol	0.16066	0.17289	0.17289	0.010	-7.60916	20.00000	Averaged
43 2,4-Dimethylphenol	0.28912	0.32783	0.32783	0.010	-13.39079	25.00000	Averaged
44 bis(2-Chloroethoxy)methane	0.36220	0.38993	0.38993	0.010	-7.65407	25.00000	Averaged
48 2,4-Dichlorophenol	0.28598	0.28571	0.28571	0.010	0.09495	20.00000	Averaged
49 Benzoic Acid	0.18921	0.17415	0.17415	0.010	7.96212	25.00000	Averaged
50 1,2,4-Trichlorobenzene	0.33971	0.35422	0.35422	0.010	-4.26991	25.00000	Averaged
51 Naphthalene	1.02473	1.05134	1.05134	0.010	-2.59691	25.00000	Averaged
52 4-Chloroaniline	0.42289	0.39721	0.39721	0.010	6.07255	25.00000	Averaged
54 2,6-Dichlorophenol	0.28843	0.29477	0.29477	0.010	-2.19929	25.00000	Averaged
56 Hexachlorobutadiene	0.19999	0.21605	0.21605	0.010	-8.03071	20.00000	Averaged
208 Caprolactam	0.09041	0.09117	0.09117	0.010	-0.84195	25.00000	Averaged
59 4-Chloro-3-Methylphenol	0.28397	0.30910	0.30910	0.010	-8.84610	20.00000	Averaged
62 2-Methylnaphthalene	0.71911	0.74030	0.74030	0.010	-2.94690	25.00000	Averaged
63 1-Methylnaphthalene	0.71636	0.72185	0.72185	0.010	-0.76637	25.00000	Averaged
64 Hexachlorocyclopentadiene	0.28961	0.34747	0.34747	0.050	-19.97598	50.00000	Averaged
65 1,2,4,5-Tetrachlorobenzene	0.48018	0.51084	0.51084	0.010	-6.38314	25.00000	Averaged
66 2,4,6-Trichlorophenol	0.32569	0.31847	0.31847	0.010	2.21472	20.00000	Averaged
67 2,4,5-Trichlorophenol	0.34726	0.35370	0.35370	0.010	-1.85545	25.00000	Averaged
209 1,1'-Biphenyl	1.24587	1.29882	1.29882	0.010	-4.25068	25.00000	Averaged

Test America Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 732.i
Lab File ID: D1104CC1.D
Analysis Type:
Lab Sample ID: sstd4
Method: \\pitsvr06\D\chem\732.i\d110410.b\11.m

Injection Date: 04-NOV-2010 12:27
Init. Cal. Date(s): 23-SEP-2010 23-SEP-2010
Init. Cal. Times: 18:01 20:29
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF4	CCAL RRF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
70 2-Chloronaphthalene	1.01616	0.98222	0.98222	0.010	3.34018	25.00000	Averaged	
73 2-Nitroaniline	0.22880	0.26110	0.26110	0.010	-14.11425	25.00000	Averaged	
76 Dimethylphthalate	1.06392	1.03543	1.03543	0.010	2.67791	25.00000	Averaged	
78 2,6-Dinitrotoluene	0.22141	0.23805	0.23805	0.010	-7.51692	25.00000	Averaged	
79 Acenaphthylene	1.64919	1.67948	1.67948	0.010	-1.83671	25.00000	Averaged	
81 3-Nitroaniline	0.28649	0.27321	0.27321	0.010	4.63520	25.00000	Averaged	
82 Acenaphthene	1.03038	1.04566	1.04566	0.010	-1.48251	20.00000	Averaged	
83 2,4-Dinitrophenol	10.00000	12.08765	0.12116	0.050	-20.87655	25.00000	Quadratic	
85 4-Nitrophenol	0.13577	0.14391	0.14391	0.050	-5.99920	25.00000	Averaged	
86 Dibenzofuran	1.56405	1.57655	1.57655	0.010	-0.79950	25.00000	Averaged	
87 2,4-Dinitrotoluene	0.31993	0.32558	0.32558	0.010	-1.76430	25.00000	Averaged	
91 2,3,5,6-Tetrachlorophenol	0.30073	0.29205	0.29205	0.010	2.88660	25.00000	Averaged	
88 2,3,4,6-Tetrachlorophenol	0.30866	0.30548	0.30548	0.010	1.03002	25.00000	Averaged	
92 2-Naphthylamine	1.02992	0.70170	0.70170	0.010	31.86809	25.00000	Averaged	<-
93 Diethylphthalate	1.16948	1.10996	1.10996	0.010	5.08933	25.00000	Averaged	
94 Fluorene	4.00000	3.69669	1.23184	0.010	7.58273	25.00000	Quadratic	
95 4-Chlorophenyl-phenylether	4.00000	3.88532	0.60659	0.010	2.86694	25.00000	Quadratic	
96 4-Nitroaniline	0.27148	0.26405	0.26405	0.010	2.73567	25.00000	Averaged	
98 4,6-Dinitro-2-methylphenol	0.10875	0.09631	0.09631	0.010	11.43684	25.00000	Averaged	
99 N-Nitrosodiphenylamine (1)	0.44505	0.42546	0.42546	0.010	4.40309	20.00000	Averaged	
100 1,2-Diphenylhydrazine	0.69711	0.72115	0.72115	0.010	-3.44827	25.00000	Averaged	
106 4-Bromophenyl-phenylether	0.18747	0.19480	0.19480	0.010	-3.91188	25.00000	Averaged	
107 Hexachlorobenzene	0.20759	0.18999	0.18999	0.010	8.47654	25.00000	Averaged	
210 Atrazine	0.15774	0.13612	0.13612	0.010	13.70597	25.00000	Averaged	
111 Pentachlorophenol	10.00000	8.87635	0.11174	0.010	11.23646	20.00000	Quadratic	
115 Phenanthrene	1.11921	1.04001	1.04001	0.010	7.07699	25.00000	Averaged	
116 Anthracene	1.09589	1.05678	1.05678	0.010	3.56802	25.00000	Averaged	
119 Carbazole	1.03696	0.95109	0.95109	0.010	8.28062	25.00000	Averaged	
120 Di-n-Butylphthalate	1.26161	1.14274	1.14274	0.010	9.42177	25.00000	Averaged	
123 Fluoranthene	1.17352	1.11669	1.11669	0.010	4.84226	20.00000	Averaged	
124 Benzidine	0.52639	0.11303	0.11303	0.010	78.52743	25.00000	Averaged	<-
125 Pyrene	1.21290	1.22113	1.22113	0.010	-0.67902	25.00000	Averaged	
131 Butylbenzylphthalate	0.54069	0.50745	0.50745	0.010	6.14700	25.00000	Averaged	
135 3,3'-Dichlorobenzidine	4.00000	3.07081	0.22857	0.010	23.22974	25.00000	Quadratic	
136 Benzo(a)Anthracene	1.04128	0.98584	0.98584	0.010	5.32372	25.00000	Averaged	
137 Chrysene	1.14423	1.02203	1.02203	0.010	10.67952	25.00000	Averaged	
139 bis(2-ethylhexyl)Phthalate	0.69980	0.69923	0.69923	0.010	0.08189	25.00000	Averaged	
140 Di-n-octylphthalate	4.00000	4.70832	1.27429	0.010	-17.70791	20.00000	Quadratic	
141 Benzo(b)fluoranthene	4.00000	3.63137	1.10161	0.010	9.21568	25.00000	Quadratic	
142 Benzo(k)fluoranthene	1.30462	1.16302	1.16302	0.010	10.85381	25.00000	Averaged	
143 7,12-dimethylbenz[a]anthrac	0.48675	0.50506	0.50506	0.010	-3.76236	25.00000	Averaged	
146 Benzo(a)pyrene	4.00000	4.02165	0.87545	0.010	-0.54132	25.00000	Quadratic	

Test America Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 732.i
Lab File ID: D1104CC1.D
Analysis Type:
Lab Sample ID: sstd4
Method: \\pitsvr06\D\chem\732.i\d110410.b\ll.m

Injection Date: 04-NOV-2010 12:27
Init. Cal. Date(s): 23-SEP-2010 23-SEP-2010
Init. Cal. Times: 18:01 20:29
Quant Type: ISTD

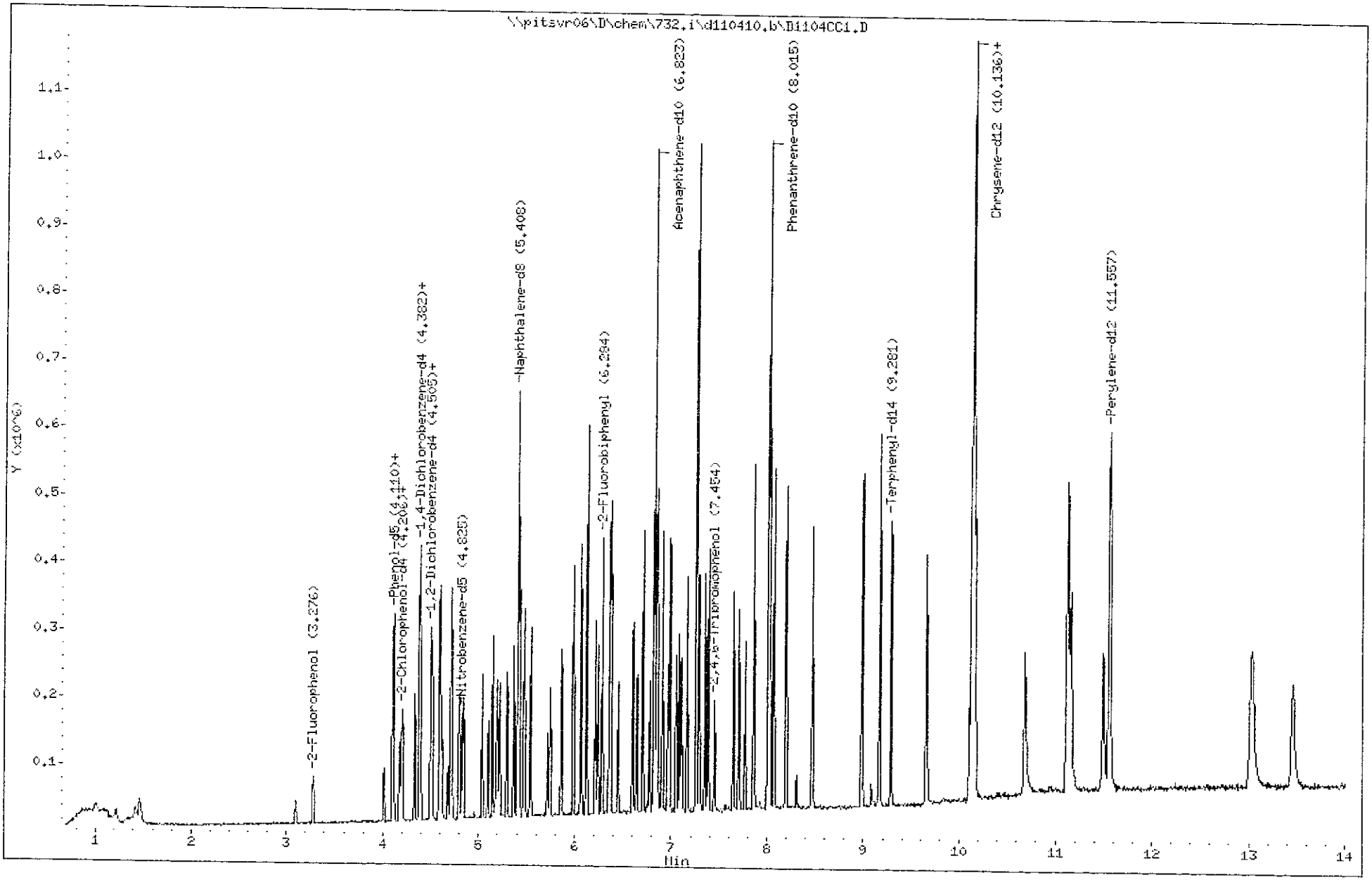
COMPOUND	RRF / AMOUNT	RF4	CCAL RRF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
149 Indeno(1,2,3-cd)pyrene	4.00000	3.84972	0.97972	0.010	3.75705	25.00000	Quadratic
150 Dibenz(a,h)anthracene	4.00000	3.87248	0.80487	0.010	3.18800	25.00000	Quadratic
151 Benzo(g,h,i)perylene	0.95229	0.90035	0.90035	0.010	5.45329	25.00000	Averaged
$ 154 Nitrobenzene-d5	0.27331	0.31891	0.31891	0.010	-16.68232	25.00000	Averaged
$ 155 2-Fluorobiphenyl	1.06929	1.08040	1.08040	0.010	-1.03882	25.00000	Averaged
$ 156 Terphenyl-d14	0.71642	0.72626	0.72626	0.010	-1.37214	25.00000	Averaged
$ 157 Phenol-d5	1.28253	1.47959	1.47959	0.010	-15.36535	25.00000	Averaged
$ 158 2-Fluorophenol	0.86767	0.93986	0.93986	0.010	-8.31982	25.00000	Averaged
$ 159 2,4,6-Tribromophenol	0.08434	0.07496	0.07496	0.010	11.13070	25.00000	Averaged
$ 186 2-Chlorophenol-d4	1.24086	1.34795	1.34795	0.010	-8.63031	25.00000	Averaged
$ 187 1,2-Dichlorobenzene-d4	0.96556	0.99973	0.99973	0.010	-3.53902	25.00000	Averaged

Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104CC1.D
Date : 04-NOV-2010 12:27
Client ID: sstd4
Sample Info: SSTD4.0(2.0ug/ml) BNA0831-10

Column phase: DB5-MS

Instrument: 732.i

Operator: 430261no
Column diameter: 0.32



C0K030562 1407 (1001 - 1489)

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d110410.b\D1104CC1.D
Lab Smp Id: sstd4 Client Smp ID: sstd4
Inj Date : 04-NOV-2010 12:27
Operator : 430261nc Inst ID: 732.i
Smp Info : SSTD4.0(2.0ug/ml) BNA0831-10
Misc Info : sstd4,d110410.b,ll.m,3-root.sub,2,3
Comment :
Method : \\pitsvr06\D\chem\732.i\d110410.b\ll.m
Meth Date : 04-Nov-2010 14:33 732.i Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.382	4.382	(1.000)	55787	8.00000	
* 2	Naphthalene-d8	136	5.407	5.407	(1.000)	268778	8.00000	
* 3	Acenaphthene-d10	164	6.823	6.823	(1.000)	205021	8.00000	
* 4	Phenanthrene-d10	188	8.014	8.014	(1.000)	383240	8.00000	
* 5	Chrysene-d12	240	10.140	10.140	(1.000)	366491	8.00000	
* 6	Perylene-d12	264	11.556	11.556	(1.000)	320716	8.00000	
198	1,4-Dioxane	88	0.995	0.995	(0.227)	8784	4.00000	4.9747
10	N-Nitrosodimethylamine	74	1.417	1.417	(0.323)	9091	4.00000	4.2088
9	Pyridine	79	1.465	1.465	(0.334)	17019	4.00000	4.0592(M)
16	Methyl methanesulfonate	80	3.094	3.094	(0.706)	12752	4.00000	4.1140
206	Benzaldehyde	77	4.013	4.013	(0.916)	14924	4.00000	3.0087
21	Aniline	93	4.109	4.109	(0.938)	49723	4.00000	4.1921
22	Phenol	94	4.109	4.109	(0.938)	48131	4.00000	4.6466
23	bis(2-Chloroethyl)ether	93	4.173	4.173	(0.952)	34788	4.00000	4.5150
24	2-Chlorophenol	128	4.205	4.205	(0.960)	36942	4.00000	4.1138
26	1,3-Dichlorobenzene	146	4.333	4.333	(0.989)	43107	4.00000	3.8786
27	1,4-Dichlorobenzene	146	4.398	4.398	(1.004)	45915	4.00000	4.0442
28	1,2-Dichlorobenzene	146	4.520	4.520	(1.032)	45644	4.00000	4.1155
29	Benzyl Alcohol	108	4.499	4.499	(1.027)	25747	4.00000	4.7384
217	Indene	116	4.590	4.590	(1.048)	68933	4.00000	4.2937
30	2-Methylphenol	108	4.601	4.601	(1.050)	36537	4.00000	4.3135
31	2,2'-oxybis(1-Chloropropane)	45	4.617	4.617	(1.054)	55004	4.00000	4.9925
36	N-Nitrosopyrrolidine	100	4.681	4.681	(1.068)	17177	4.00000	4.3172
37	Acetophenone	105	4.707	4.707	(1.074)	56864	4.00000	4.5517
32	N-Nitroso-di-n-propylamine	70	4.718	4.718	(1.077)	25729	4.00000	4.7218
192	4-Methylphenol	108	4.718	4.718	(1.077)	38030	4.00000	4.5344
34	Hexachloroethane	117	4.793	4.793	(1.094)	22157	4.00000	4.3476
35	Nitrobenzene	77	4.841	4.841	(0.895)	44542	4.00000	4.9592
41	Isophorone	82	5.039	5.039	(0.932)	78317	4.00000	4.5568
42	2-Nitrophenol	139	5.103	5.103	(0.944)	23234	4.00000	4.3044
43	2,4-Dimethylphenol	107	5.145	5.145	(0.952)	44057	4.00000	4.5356
44	bis(2-Chloroethoxy)methane	93	5.220	5.220	(0.965)	52402	4.00000	4.3062
48	2,4-Dichlorophenol	162	5.295	5.295	(0.979)	38396	4.00000	3.9962

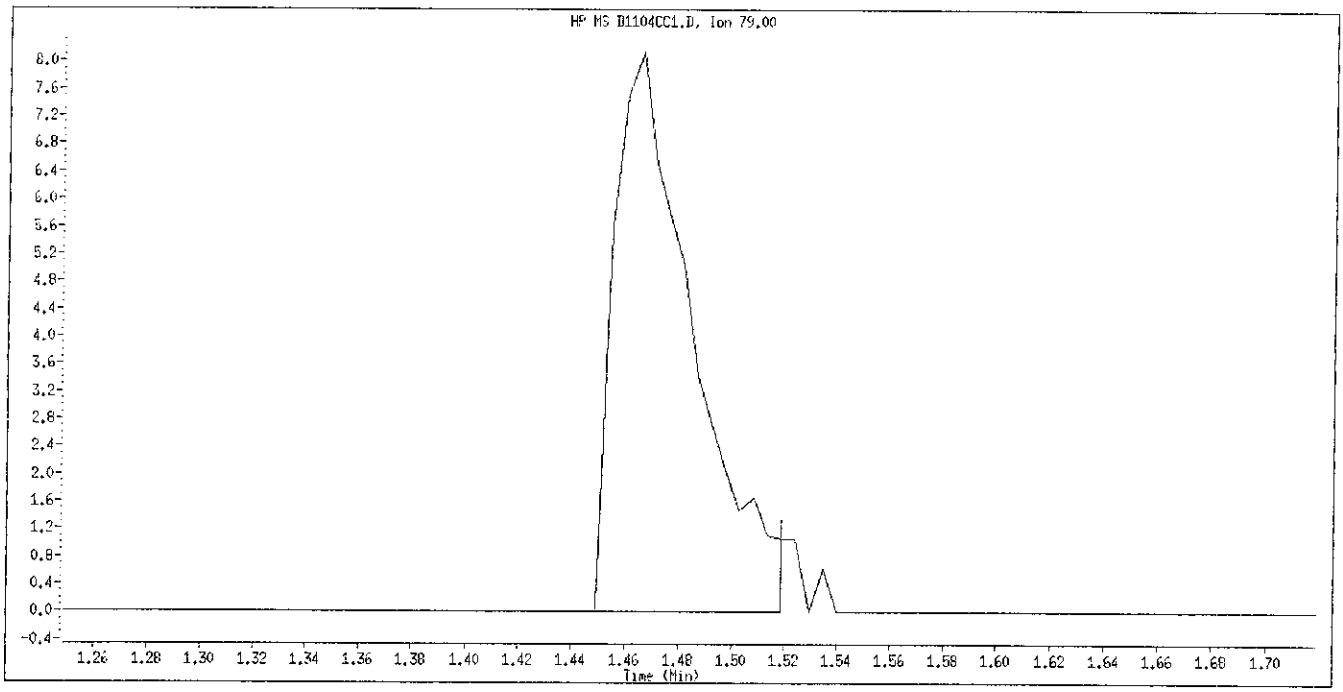
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
49 Benzoic Acid	122	5.199	5.199	(0.961)	58509	10.0000	9.2038 (M)
50 1,2,4-Trichlorobenzene	180	5.370	5.370	(0.993)	47603	4.00000	4.1708
51 Naphthalene	128	5.429	5.429	(1.004)	141289	4.00000	4.1039
52 4-Chloroaniline	127	5.471	5.471	(1.012)	53381	4.00000	3.7571
54 2,6-Dichlorophenol	162	5.482	5.482	(1.014)	39614	4.00000	4.0880
56 Hexachlorobutadiene	225	5.541	5.541	(1.025)	29035	4.00000	4.3212 (Q)
208 Caprolactam	113	5.717	5.717	(1.057)	12252	4.00000	4.0337
59 4-Chloro-3-Methylphenol	107	5.861	5.861	(1.084)	41539	4.00000	4.3538
62 2-Methylnaphthalene	142	5.984	5.984	(1.107)	99488	4.00000	4.1179
63 1-Methylnaphthalene	142	6.064	6.064	(1.122)	97009	4.00000	4.0306
64 Hexachlorocyclopentadiene	237	6.123	6.123	(0.897)	35619	4.00000	4.7990
65 1,2,4,5-Tetrachlorobenzene	216	6.123	6.123	(0.897)	52366	4.00000	4.2553
66 2,4,6-Trichlorophenol	196	6.214	6.214	(0.911)	32647	4.00000	3.9114
67 2,4,5-Trichlorophenol	196	6.241	6.241	(0.915)	36258	4.00000	4.0742
209 1,1'-Biphenyl	154	6.363	6.363	(0.933)	133143	4.00000	4.1700
70 2-Chloronaphthalene	162	6.374	6.374	(0.934)	100688	4.00000	3.8664
73 2-Nitroaniline	65	6.449	6.449	(0.945)	26765	4.00000	4.5646
76 Dimethylphthalate	163	6.604	6.604	(0.968)	106142	4.00000	3.8929
78 2,6-Dinitrotoluene	165	6.647	6.647	(0.974)	24403	4.00000	4.3007
79 Acenaphthylene	152	6.705	6.705	(0.983)	172164	4.00000	4.0735
81 3-Nitroaniline	138	6.780	6.780	(0.994)	28007	4.00000	3.8146
82 Acenaphthene	153	6.850	6.850	(1.004)	107191	4.00000	4.0593
83 2,4-Dinitrophenol	184	6.860	6.860	(1.005)	31051	10.0000	12.088
85 4-Nitrophenol	109	6.908	6.908	(1.013)	36881	10.0000	10.600
86 Dibenzofuran	168	6.989	6.989	(1.024)	161613	4.00000	4.0320
87 2,4-Dinitrotoluene	165	6.967	6.967	(1.021)	33375	4.00000	4.0706
91 2,3,5,6-Tetrachlorophenol	232	7.053	7.053	(1.034)	29938	4.00000	3.8845
88 2,3,4,6-Tetrachlorophenol	232	7.085	7.085	(1.038)	31315	4.00000	3.9588
92 2-Naphthylamine	143	7.106	7.106	(1.041)	71932	4.00000	2.7253
93 Diethylphthalate	149	7.165	7.165	(1.050)	113783	4.00000	3.7964
94 Fluorene	166	7.261	7.261	(1.064)	126277	4.00000	3.6967
95 4-Chlorophenyl-phenylether	204	7.261	7.261	(1.064)	62182	4.00000	3.8853
96 4-Nitroaniline	138	7.261	7.261	(1.064)	27068	4.00000	3.8906
98 4,6-Dinitro-2-methylphenol	198	7.293	7.293	(0.910)	46137	10.0000	8.8563
99 N-Nitrosodiphenylamine (1)	169	7.352	7.352	(0.917)	81526	4.00000	3.8239
100 1,2-Diphenylhydrazine	77	7.384	7.384	(0.921)	138186	4.00000	4.1379
106 4-Bromophenyl-phenylether	248	7.651	7.651	(0.955)	37328	4.00000	4.1565
107 Hexachlorobenzene	284	7.710	7.710	(0.962)	36406	4.00000	3.6609
210 Atrazine	200	7.774	7.774	(0.970)	26084	4.00000	3.4518
111 Pentachlorophenol	266	7.865	7.865	(0.981)	53528	10.0000	8.8764 (Q)
115 Phenanthrene	178	8.030	8.030	(1.002)	199286	4.00000	3.7169
116 Anthracene	178	8.073	8.073	(1.007)	202501	4.00000	3.8573
119 Carbazole	167	8.196	8.196	(1.023)	182248	4.00000	3.6688
120 Di-n-Butylphthalate	149	8.468	8.468	(1.057)	218972	4.00000	3.6231
123 Fluoranthene	202	8.987	8.987	(1.121)	213981	4.00000	3.8063
124 Benzidine	184	9.083	9.083	(0.896)	20712	4.00000	0.85890 (M)
125 Pyrene	202	9.168	9.168	(0.904)	223767	4.00000	4.0272
131 Butylbenzylphthalate	149	9.665	9.665	(0.953)	92988	4.00000	3.7541
135 3,3'-Dichlorobenzidine	252	10.103	10.103	(0.996)	41885	4.00000	3.0708
136 Benzo(a)Anthracene	228	10.130	10.130	(0.999)	180651	4.00000	3.7870
137 Chrysene	228	10.162	10.162	(1.002)	187282	4.00000	3.5728
139 bis(2-ethylhexyl)Phthalate	149	10.124	10.124	(0.998)	128130	4.00000	3.9967
140 Di-n-octylphthalate	149	10.680	10.680	(0.924)	204343	4.00000	4.7083 (M)
141 Benzo(b)fluoranthene	252	11.129	11.129	(0.963)	176652	4.00000	3.6314

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
142 Benzo(k)fluoranthene	252	11.155	11.155	(0.965)	186500	4.00000	3.5658
143 7,12-dimethylbenz[a]anthracen	256	11.118	11.118	(0.962)	80991	4.00000	4.1505
146 Benzo(a)pyrene	252	11.497	11.497	(0.995)	140386	4.00000	4.0216
149 Indeno(1,2,3-cd)pyrene	276	13.020	13.020	(1.127)	157106	4.00000	3.8497
150 Dibenz(a,h)anthracene	278	13.047	13.047	(1.129)	129068	4.00000	3.8725
151 Benzo(g,h,i)perylene	276	13.458	13.458	(1.165)	144379	4.00000	3.7819
$ 154 Nitrobenzene-d5	82	4.825	4.825	(0.892)	42858	4.00000	4.6673
$ 155 2-Fluorobiphenyl	172	6.283	6.283	(0.921)	110752	4.00000	4.0416
$ 156 Terphenyl-d14	244	9.280	9.280	(0.915)	133083	4.00000	4.0549
$ 157 Phenol-d5	99	4.098	4.098	(0.935)	41271	4.00000	4.6146
$ 158 2-Fluorophenol	112	3.281	3.281	(0.749)	26216	4.00000	4.3328
$ 159 2,4,6-Tribromophenol	330	7.453	7.453	(0.930)	14363	4.00000	3.5548
$ 186 2-Chlorophenol-d4	132	4.195	4.195	(0.957)	37599	4.00000	4.3452
$ 187 1,2-Dichlorobenzene-d4	152	4.504	4.504	(1.028)	27886	4.00000	4.1416

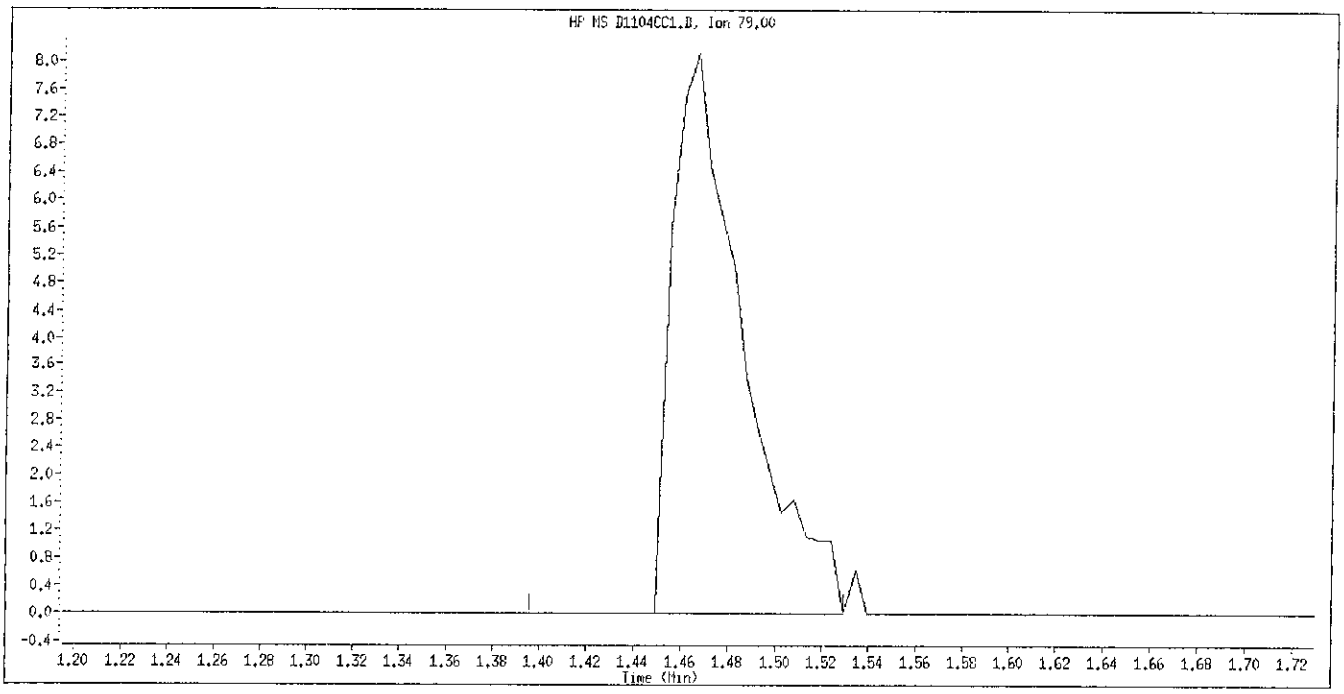
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File Name: D1104CC1.D
Inj. Date and Time: 04-NOV-2010 12:27
Instrument ID: 732.i
Client ID: sstd4
Compound Name: Pyridine
CAS #: 110-86-1



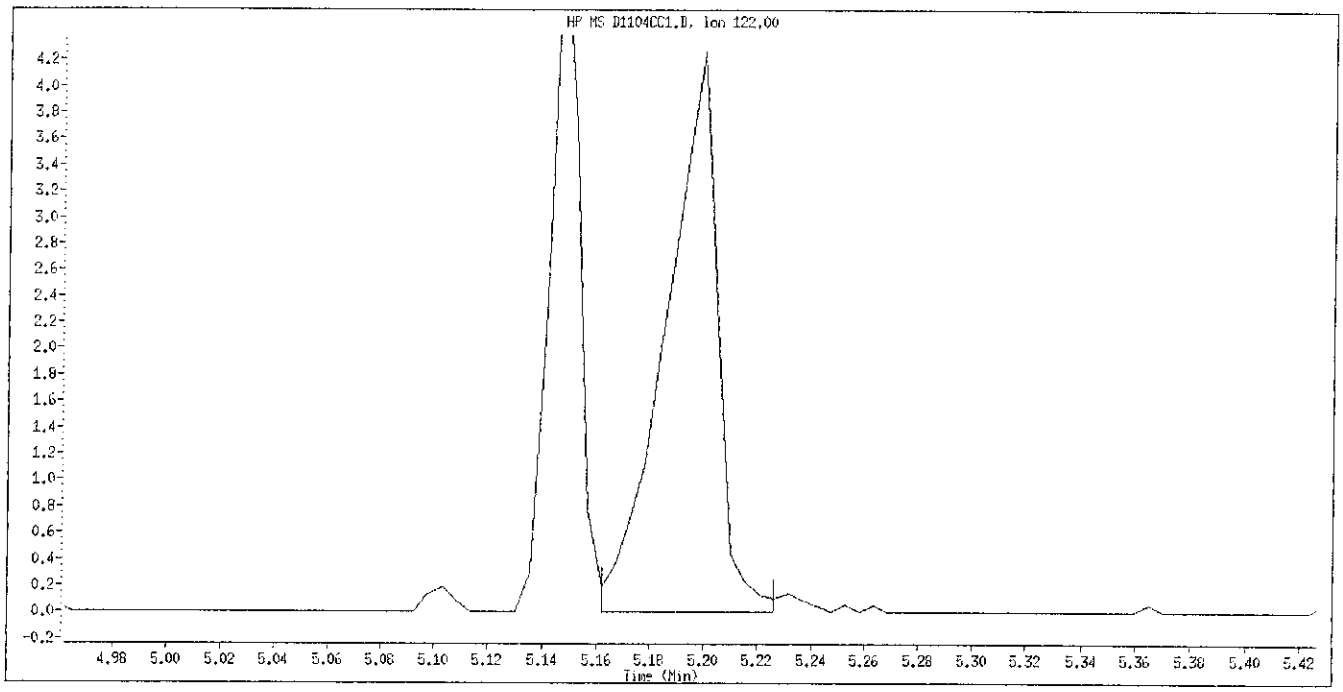
Original Integration



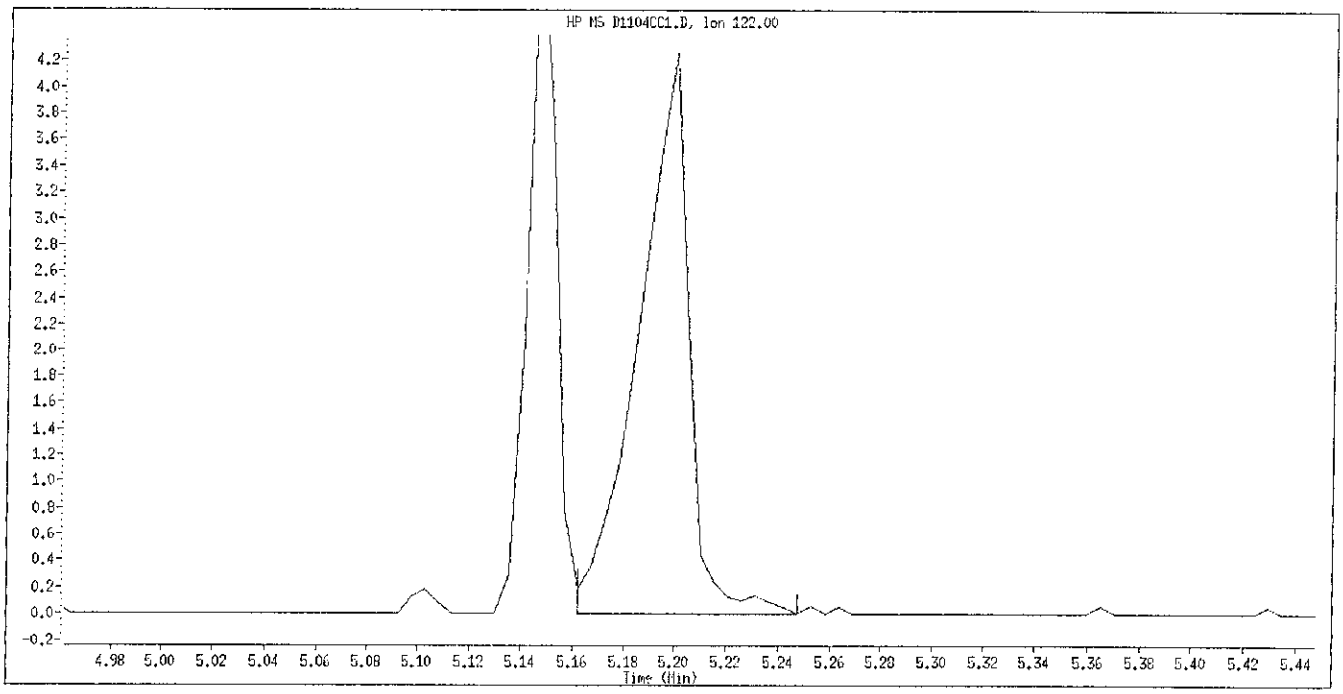
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Unknown

Data File Name: D1104CC1.D
Inj. Date and Time: 04-NOV-2010 12:27
Instrument ID: 732.i
Client ID: sstd4
Compound Name: Benzoic Acid
CAS #: 65-85-0



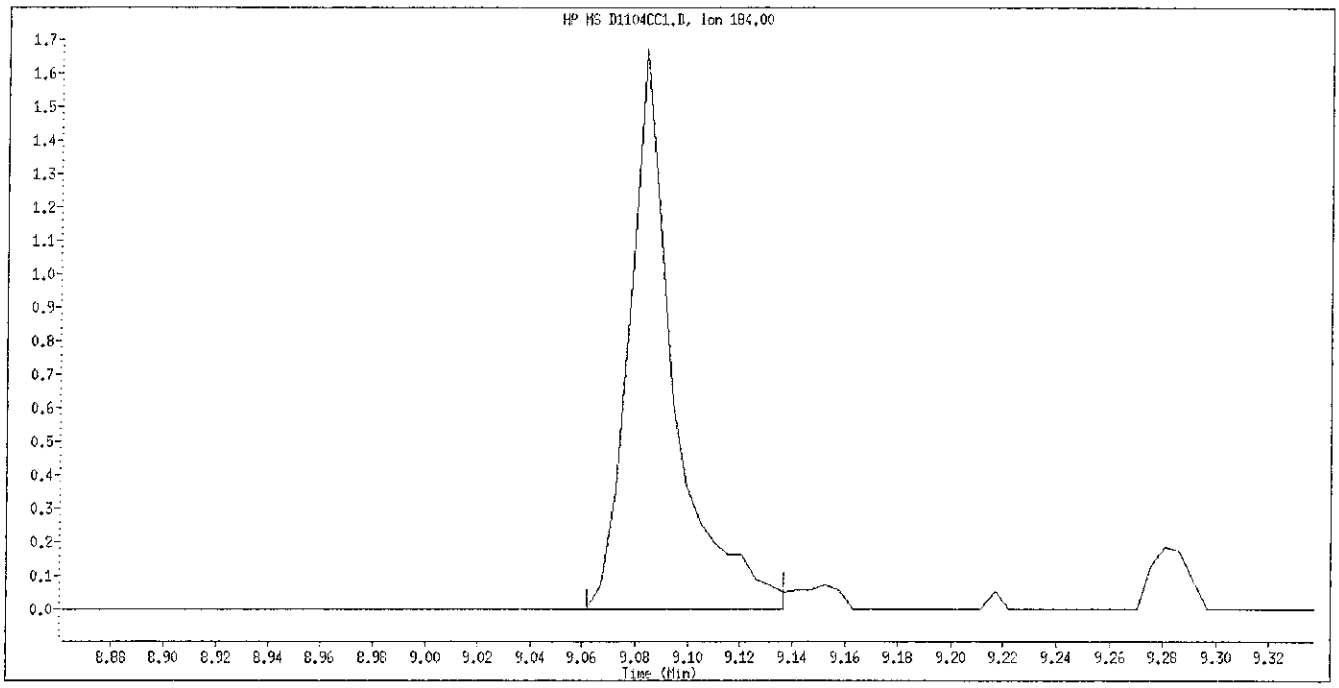
Original Integration



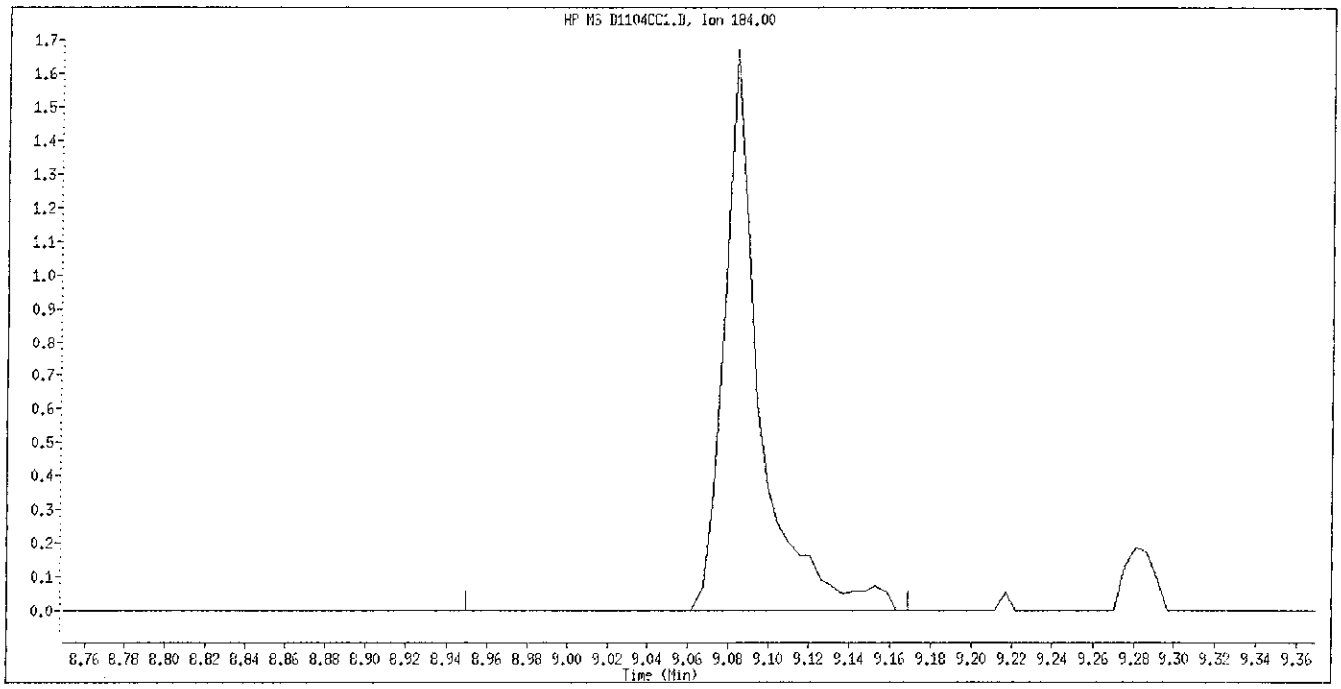
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Unknown

Data File Name: D1104CC1.D
Inj. Date and Time: 04-NOV-2010 12:27
Instrument ID: 732.i
Client ID: sstd4
Compound Name: Benzidine
CAS #: 92-87-5



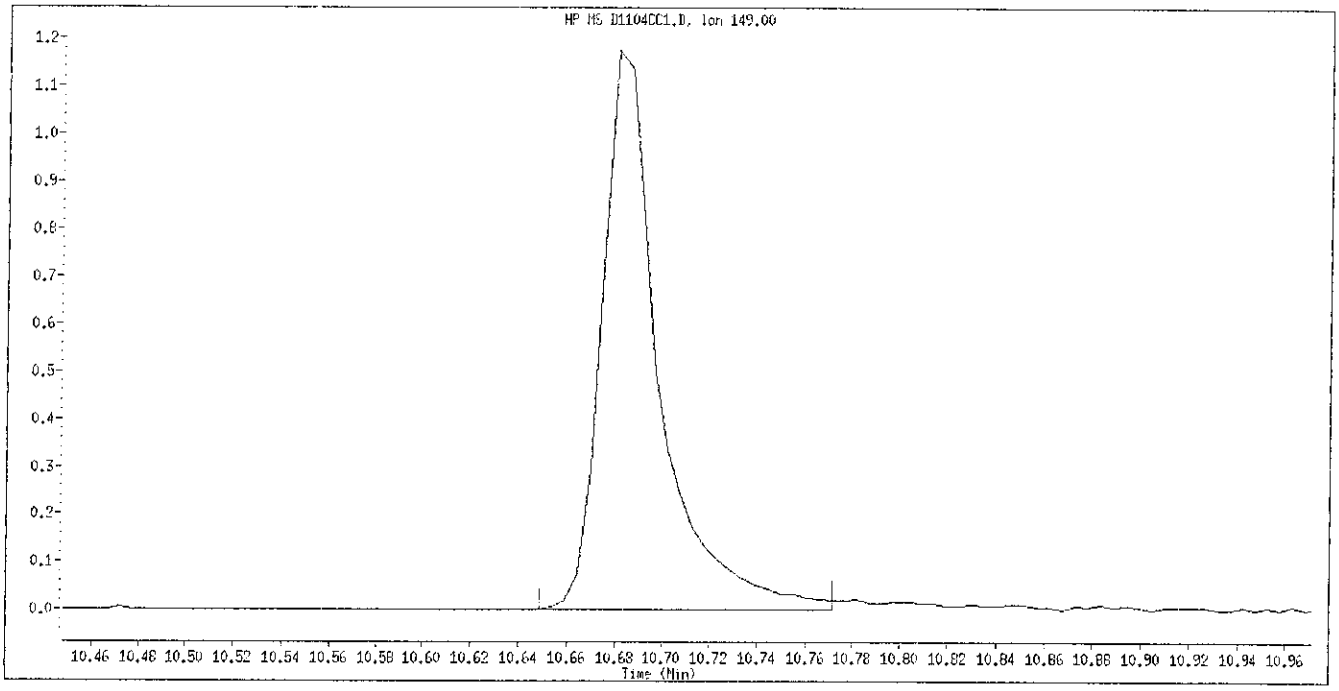
Original Integration



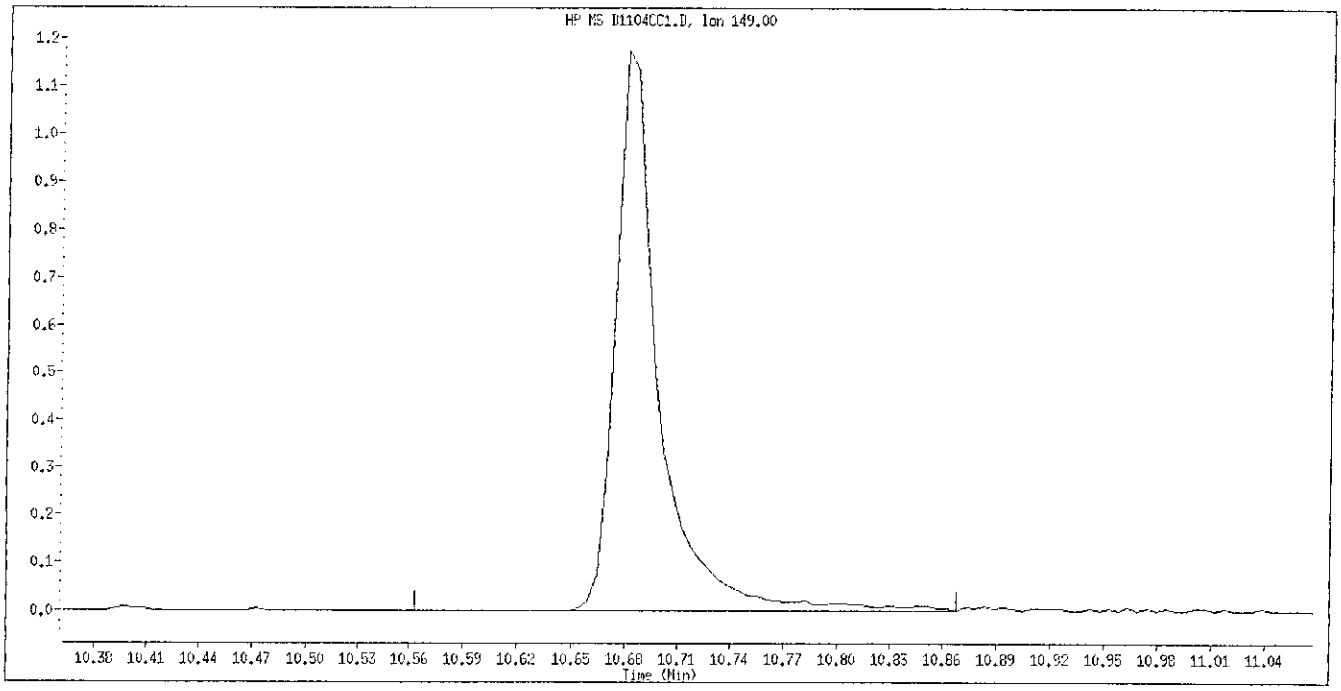
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1104CC1.D
Inj. Date and Time: 04-NOV-2010 12:27
Instrument ID: 732.i
Client ID: sstd4
Compound Name: Di-n-octylphthalate
CAS #: 117-84-0



Original Integration



Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Test America Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 732.i Injection Date: 08-NOV-2010 13:06
Lab File ID: D1108CC1.D Init. Cal. Date(s): 23-SEP-2010 23-SEP-2010
Analysis Type: Init. Cal. Times: 18:01 20:29
Lab Sample ID: sstd4 Quant Type: ISTD
Method: \\pitsvr06\D\chem\732.i\d110810.b\ll.m

COMPOUND	RRF / AMOUNT	RF4	CCAL RRF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
198 1,4-Dioxane	0.25321	0.26831	0.26831	0.010	-5.96483	25.00000	Averaged	
10 N-Nitrosodimethylamine	0.30975	0.34971	0.34971	0.010	-12.90123	25.00000	Averaged	
9 Pyridine	0.60124	0.61017	0.61017	0.010	-1.48460	25.00000	Averaged	
16 Methyl methanesulfonate	0.44450	0.48885	0.48885	0.010	-9.97828	25.00000	Averaged	
206 Benzaldehyde	0.71131	0.53100	0.53100	0.010	25.34881	25.00000	Averaged	<-
21 Aniline	1.70091	1.70690	1.70690	0.010	-0.35222	25.00000	Averaged	
22 Phenol	1.48542	1.65142	1.65142	0.010	-11.17531	20.00000	Averaged	
23 bis(2-Chloroethyl)ether	1.10492	1.10840	1.10840	0.010	-0.31528	25.00000	Averaged	
24 2-Chlorophenol	1.28775	1.26111	1.26111	0.010	2.06806	25.00000	Averaged	
26 1,3-Dichlorobenzene	1.59379	1.58472	1.58472	0.010	0.56893	25.00000	Averaged	
27 1,4-Dichlorobenzene	1.62807	1.62501	1.62501	0.010	0.18799	20.00000	Averaged	
28 1,2-Dichlorobenzene	1.59043	1.58677	1.58677	0.010	0.23029	25.00000	Averaged	
29 Benzyl Alcohol	0.77920	0.84752	0.84752	0.010	-8.76802	25.00000	Averaged	
217 Indene	2.30225	2.34164	2.34164	0.010	-1.71088	25.00000	Averaged	
30 2-Methylphenol	1.21468	1.31733	1.31733	0.010	-8.45084	25.00000	Averaged	
31 2,2'-oxybis(1-Chloropropane	1.57990	1.87886	1.87886	0.010	-18.92293	25.00000	Averaged	
36 N-Nitrosopyrrolidine	0.57056	0.58666	0.58666	0.010	-2.82170	25.00000	Averaged	
37 Acetophenone	1.79152	1.95843	1.95843	0.010	-9.31636	25.00000	Averaged	
32 N-Nitroso-di-n-propylamine	0.78139	0.89716	0.89716	0.050	-14.81604	25.00000	Averaged	
192 4-Methylphenol	1.20271	1.34964	1.34964	0.010	-12.21601	25.00000	Averaged	
34 Hexachloroethane	0.73083	0.75698	0.75698	0.010	-3.57822	25.00000	Averaged	
35 Nitrobenzene	0.26733	0.32699	0.32699	0.010	-22.31344	25.00000	Averaged	
41 Isophorone	0.51156	0.55252	0.55252	0.010	-8.00738	25.00000	Averaged	
42 2-Nitrophenol	0.16066	0.17548	0.17548	0.010	-9.22380	20.00000	Averaged	
43 2,4-Dimethylphenol	0.28912	0.32223	0.32223	0.010	-11.45445	25.00000	Averaged	
44 bis(2-Chloroethoxy)methane	0.36220	0.38236	0.38236	0.010	-5.56589	25.00000	Averaged	
48 2,4-Dichlorophenol	0.28598	0.28968	0.28968	0.010	-1.29303	20.00000	Averaged	
49 Benzoic Acid	0.18921	0.19024	0.19024	0.010	-0.54287	25.00000	Averaged	
50 1,2,4-Trichlorobenzene	0.33971	0.35193	0.35193	0.010	-3.59568	25.00000	Averaged	
51 Naphthalene	1.02473	1.06165	1.06165	0.010	-3.60315	25.00000	Averaged	
52 4-Chloroaniline	0.42289	0.40043	0.40043	0.010	5.31196	25.00000	Averaged	
54 2,6-Dichlorophenol	0.28843	0.29038	0.29038	0.010	-0.67521	25.00000	Averaged	
56 Hexachlorobutadiene	0.19999	0.20777	0.20777	0.010	-3.88841	20.00000	Averaged	
208 Caprolactam	0.09041	0.09383	0.09383	0.010	-3.78273	25.00000	Averaged	
59 4-Chloro-3-Methylphenol	0.28397	0.29593	0.29593	0.010	-4.21133	20.00000	Averaged	
62 2-Methylnaphthalene	0.71911	0.73807	0.73807	0.010	-2.63697	25.00000	Averaged	
63 1-Methylnaphthalene	0.71636	0.73794	0.73794	0.010	-3.01149	25.00000	Averaged	
64 Hexachlorocyclopentadiene	0.28961	0.32761	0.32761	0.050	-13.11900	50.00000	Averaged	
65 1,2,4,5-Tetrachlorobenzene	0.48018	0.48750	0.48750	0.010	-1.52375	25.00000	Averaged	
66 2,4,6-Trichlorophenol	0.32569	0.30772	0.30772	0.010	5.51611	20.00000	Averaged	
67 2,4,5-Trichlorophenol	0.34726	0.32610	0.32610	0.010	6.09408	25.00000	Averaged	
209 1,1'-Biphenyl	1.24587	1.23798	1.23798	0.010	0.63269	25.00000	Averaged	

Test America Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 732.i Injection Date: 08-NOV-2010 13:06
Lab File ID: D1108CC1.D Init. Cal. Date(s): 23-SEP-2010 23-SEP-2010
Analysis Type: Init. Cal. Times: 18:01 20:29
Lab Sample ID: sstd4 Quant Type: ISTD
Method: \\pitsvr06\D\chem\732.i\d110810.b\ll.m

COMPOUND	RRF / AMOUNT	RF4	CCAL RRF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
70 2-Chloronaphthalene	1.01616	0.98818	0.98818	0.010	2.75380	25.00000	Averaged	
73 2-Nitroaniline	0.22880	0.25599	0.25599	0.010	-11.88345	25.00000	Averaged	
76 Dimethylphthalate	1.06392	1.03555	1.03555	0.010	2.66637	25.00000	Averaged	
78 2,6-Dinitrotoluene	0.22141	0.23134	0.23134	0.010	-4.48571	25.00000	Averaged	
79 Acenaphthylene	1.64919	1.63441	1.63441	0.010	0.89620	25.00000	Averaged	
81 3-Nitroaniline	0.28649	0.25773	0.25773	0.010	10.03948	25.00000	Averaged	
82 Acenaphthene	1.03038	1.05535	1.05535	0.010	-2.42266	20.00000	Averaged	
83 2,4-Dinitrophenol	10.00000	12.57469	0.12858	0.050	-25.74687	25.00000	Quadratic	<-
85 4-Nitrophenol	0.13577	0.15327	0.15327	0.050	-12.89467	25.00000	Averaged	
86 Dibenzofuran	1.56405	1.57408	1.57408	0.010	-0.64131	25.00000	Averaged	
87 2,4-Dinitrotoluene	0.31993	0.33622	0.33622	0.010	-5.09175	25.00000	Averaged	
91 2,3,5,6-Tetrachlorophenol	0.30073	0.29579	0.29579	0.010	1.64356	25.00000	Averaged	
88 2,3,4,6-Tetrachlorophenol	0.30866	0.31338	0.31338	0.010	-1.52990	25.00000	Averaged	
92 2-Naphthylamine	1.02992	0.70379	0.70379	0.010	31.66597	25.00000	Averaged	<-
93 Diethylphthalate	1.16948	1.17597	1.17597	0.010	-0.55488	25.00000	Averaged	
94 Fluorene	4.00000	3.74420	1.24684	0.010	6.39508	25.00000	Quadratic	
95 4-Chlorophenyl-phenylether	4.00000	3.64272	0.57246	0.010	8.93212	25.00000	Quadratic	
96 4-Nitroaniline	0.27148	0.29178	0.29178	0.010	-7.47975	25.00000	Averaged	
98 4,6-Dinitro-2-methylphenol	0.10875	0.10921	0.10921	0.010	-0.42622	25.00000	Averaged	
99 N-Nitrosodiphenylamine (1)	0.44505	0.42257	0.42257	0.010	5.05271	20.00000	Averaged	
100 1,2-Diphenylhydrazine	0.69711	0.70437	0.70437	0.010	-1.04124	25.00000	Averaged	
106 4-Bromophenyl-phenylether	0.18747	0.18346	0.18346	0.010	2.13580	25.00000	Averaged	
107 Hexachlorobenzene	0.20759	0.19163	0.19163	0.010	7.68472	25.00000	Averaged	
210 Atrazine	0.15774	0.13264	0.13264	0.010	15.91373	25.00000	Averaged	
111 Pentachlorophenol	10.00000	9.15403	0.11572	0.010	8.45970	20.00000	Quadratic	
115 Phenanthrene	1.11921	1.05664	1.05664	0.010	5.59065	25.00000	Averaged	
116 Anthracene	1.09589	1.06635	1.06635	0.010	2.69517	25.00000	Averaged	
119 Carbazole	1.03696	0.99519	0.99519	0.010	4.02748	25.00000	Averaged	
120 Di-n-Butylphthalate	1.26161	1.19686	1.19686	0.010	5.13219	25.00000	Averaged	
123 Fluoranthene	1.17352	1.20408	1.20408	0.010	-2.60446	20.00000	Averaged	
124 Benzidine	0.52639	0.12608	0.12608	0.010	76.04859	25.00000	Averaged	<-
125 Pyrene	1.21290	1.16312	1.16312	0.010	4.10365	25.00000	Averaged	
131 Butylbenzylphthalate	0.54069	0.48785	0.48785	0.010	9.77182	25.00000	Averaged	
135 3,3'-Dichlorobenzidine	4.00000	3.09854	0.23159	0.010	22.53657	25.00000	Quadratic	
136 Benzo(a)Anthracene	1.04128	0.98244	0.98244	0.010	5.65002	25.00000	Averaged	
137 Chrysene	1.14423	1.02324	1.02324	0.010	10.57391	25.00000	Averaged	
139 bis(2-ethylhexyl)Phthalate	0.69980	0.69729	0.69729	0.010	0.35785	25.00000	Averaged	
140 Di-n-octylphthalate	4.00000	4.49228	1.17474	0.010	-12.30694	20.00000	Quadratic	
141 Benzo(b)fluoranthene	4.00000	3.20331	0.97053	0.010	19.91727	25.00000	Quadratic	
142 Benzo(k)fluoranthene	1.30462	1.19404	1.19404	0.010	8.47598	25.00000	Averaged	
143 7,12-dimethylbenz[a]anthrac	0.48675	0.45381	0.45381	0.010	6.76787	25.00000	Averaged	
146 Benzo(a)pyrene	4.00000	3.85106	0.82911	0.010	3.72345	25.00000	Quadratic	

Test America Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 732.i Injection Date: 08-NOV-2010 13:06
Lab File ID: D1108CC1.D Init. Cal. Date(s): 23-SEP-2010 23-SEP-2010
Analysis Type: Init. Cal. Times: 18:01 20:29
Lab Sample ID: sstd4 Quant Type: ISTD
Method: \\pitsvr06\D\chem\732.i\d110810.b\ll.m

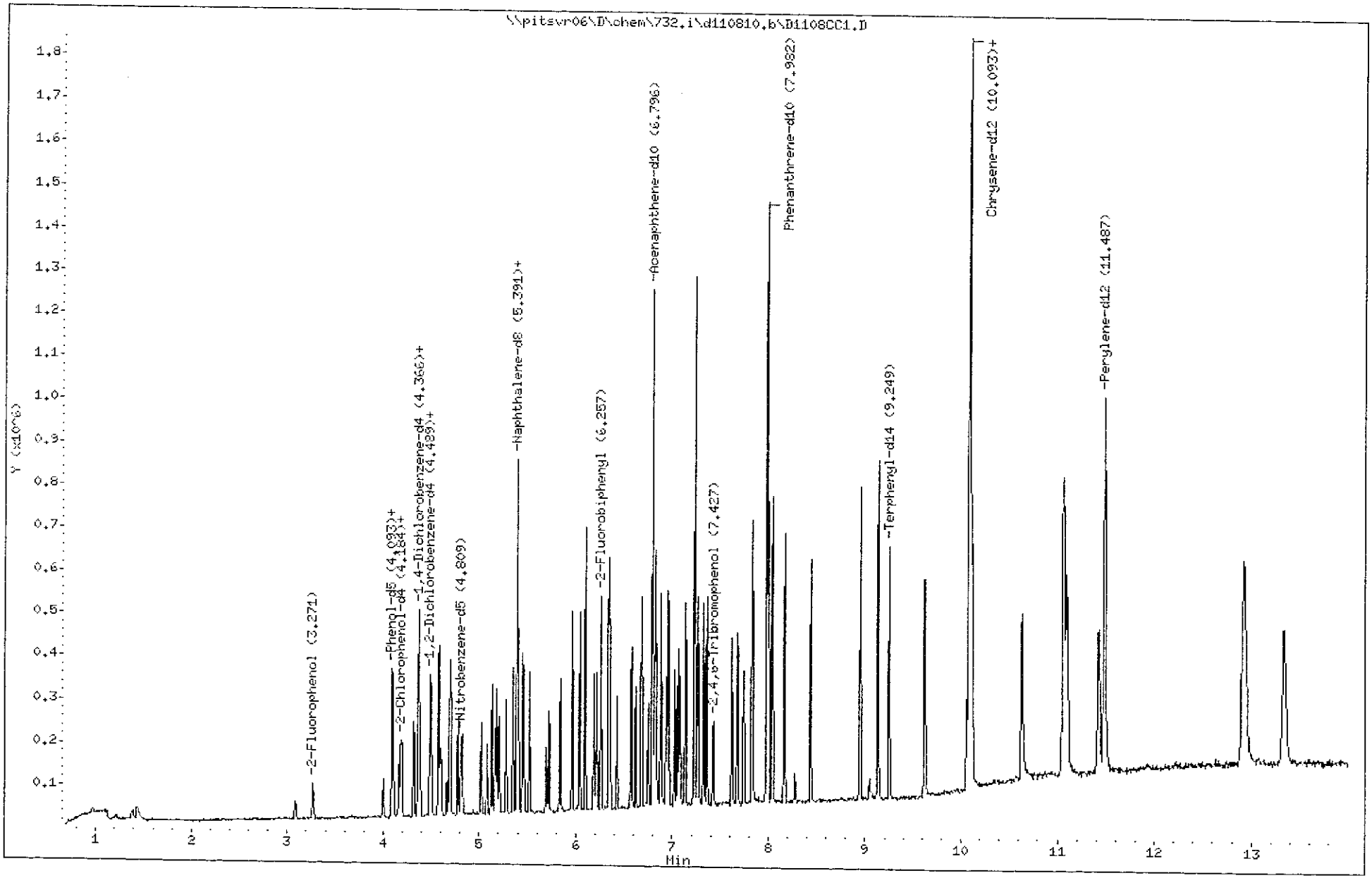
COMPOUND	RRF / AMOUNT	RF4	CCAL RRF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
149 Indeno(1,2,3-cd)pyrene	4.00000	4.86527	1.30932	0.010	-21.63181	25.00000	Quadratic
150 Dibenz(a,h)anthracene	4.00000	4.52920	0.98710	0.010	-13.22998	25.00000	Quadratic
151 Benzo(g,h,i)perylene	0.95229	1.15681	1.15681	0.010	-21.47702	25.00000	Averaged
$ 154 Nitrobenzene-d5	0.27331	0.32127	0.32127	0.010	-17.54455	25.00000	Averaged
$ 155 2-Fluorobiphenyl	1.06929	1.02191	1.02191	0.010	4.43114	25.00000	Averaged
$ 156 Terphenyl-d14	0.71642	0.68482	0.68482	0.010	4.41102	25.00000	Averaged
$ 157 Phenol-d5	1.28253	1.42290	1.42290	0.010	-10.94529	25.00000	Averaged
$ 158 2-Fluorophenol	0.86767	0.93833	0.93833	0.010	-8.14365	25.00000	Averaged
$ 159 2,4,6-Tribromophenol	0.08434	0.07367	0.07367	0.010	12.65179	25.00000	Averaged
$ 186 2-Chlorophenol-d4	1.24086	1.33771	1.33771	0.010	-7.80557	25.00000	Averaged
$ 187 1,2-Dichlorobenzene-d4	0.96556	0.99604	0.99604	0.010	-3.15692	25.00000	Averaged

Data File: \\pitsvr06\D\chem\732.i\d110810.b\D1108CC1.D
Date : 08-NOV-2010 13:06
Client ID: sstd4
Sample Info: SSTD4.0(2.0ug/ml) BNA0831-10

Column phase: DB5-MS

Instrument: 732.i

Operator: 430261nc
Column diameter: 0.32



(1001 - 1489)
1418
C0K030562

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d110810.b\D1108CC1.D
Lab Smp Id: sstd4 Client Smp ID: sstd4
Inj Date : 08-NOV-2010 13:06
Operator : 430261nc Inst ID: 732.i
Smp Info : SSTD4.0(2.0ug/ml) BNA0831-10
Misc Info : sstd4,d110810.b,ll.m,3-root.sub,2,3
Comment :
Method : \\pitsvr06\D\chem\732.i\d110810.b\ll.m
Meth Date : 08-Nov-2010 17:47 732.i Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.365	4.365	(1.000)	65431	8.00000	
* 2 Naphthalene-d8	136	5.391	5.391	(1.000)	312320	8.00000	
* 3 Acenaphthene-d10	164	6.796	6.796	(1.000)	249829	8.00000	
* 4 Phenanthrene-d10	188	7.982	7.982	(1.000)	478359	8.00000	
* 5 Chrysene-d12	240	10.097	10.097	(1.000)	510926	8.00000	
* 6 Perylene-d12	264	11.486	11.486	(1.000)	501653	8.00000	
198 1,4-Dioxane	88	0.973	0.973	(0.223)	8778	4.00000	4.2386
10 N-Nitrosodimethylamine	74	1.384	1.384	(0.317)	11441	4.00000	4.5160
9 Pyridine	79	1.438	1.438	(0.329)	19962	4.00000	4.0594 (M)
16 Methyl methanesulfonate	80	3.083	3.083	(0.706)	15993	4.00000	4.3991
206 Benzaldehyde	77	4.002	4.002	(0.917)	17372	4.00000	2.9860
21 Aniline	93	4.098	4.098	(0.939)	55842	4.00000	4.0141
22 Phenol	94	4.098	4.098	(0.939)	54027	4.00000	4.4470
23 bis(2-Chloroethyl)ether	93	4.162	4.162	(0.954)	36262	4.00000	4.0126
24 2-Chlorophenol	128	4.194	4.194	(0.961)	41258	4.00000	3.9173
26 1,3-Dichlorobenzene	146	4.317	4.317	(0.989)	51845	4.00000	3.9772
27 1,4-Dichlorobenzene	146	4.381	4.381	(1.004)	53163	4.00000	3.9925
28 1,2-Dichlorobenzene	146	4.504	4.504	(1.032)	51912	4.00000	3.9908
29 Benzyl Alcohol	108	4.483	4.483	(1.027)	27727	4.00000	4.3507
217 Indene	116	4.574	4.574	(1.048)	76608	4.00000	4.0684
30 2-Methylphenol	108	4.579	4.579	(1.049)	43097	4.00000	4.3380
31 2,2'-oxybis(1-Chloropropane)	45	4.600	4.600	(1.054)	61468	4.00000	4.7569
36 N-Nitrosopyrrolidine	100	4.664	4.664	(1.069)	19193	4.00000	4.1129
37 Acetophenone	105	4.691	4.691	(1.075)	64071	4.00000	4.3726
32 N-Nitroso-di-n-propylamine	70	4.696	4.696	(1.076)	29351	4.00000	4.5926
192 4-Methylphenol	108	4.702	4.702	(1.077)	44154	4.00000	4.4886
34 Hexachloroethane	117	4.777	4.777	(1.094)	24765	4.00000	4.1431
35 Nitrobenzene	77	4.825	4.825	(0.895)	51062	4.00000	4.8925
41 Isophorone	82	5.022	5.022	(0.932)	86282	4.00000	4.3203
42 2-Nitrophenol	139	5.081	5.081	(0.943)	27403	4.00000	4.3690
43 2,4-Dimethylphenol	107	5.129	5.129	(0.951)	50320	4.00000	4.4582
44 bis(2-Chloroethoxy)methane	93	5.204	5.204	(0.965)	59710	4.00000	4.2226
48 2,4-Dichlorophenol	162	5.279	5.279	(0.979)	45236	4.00000	4.0517

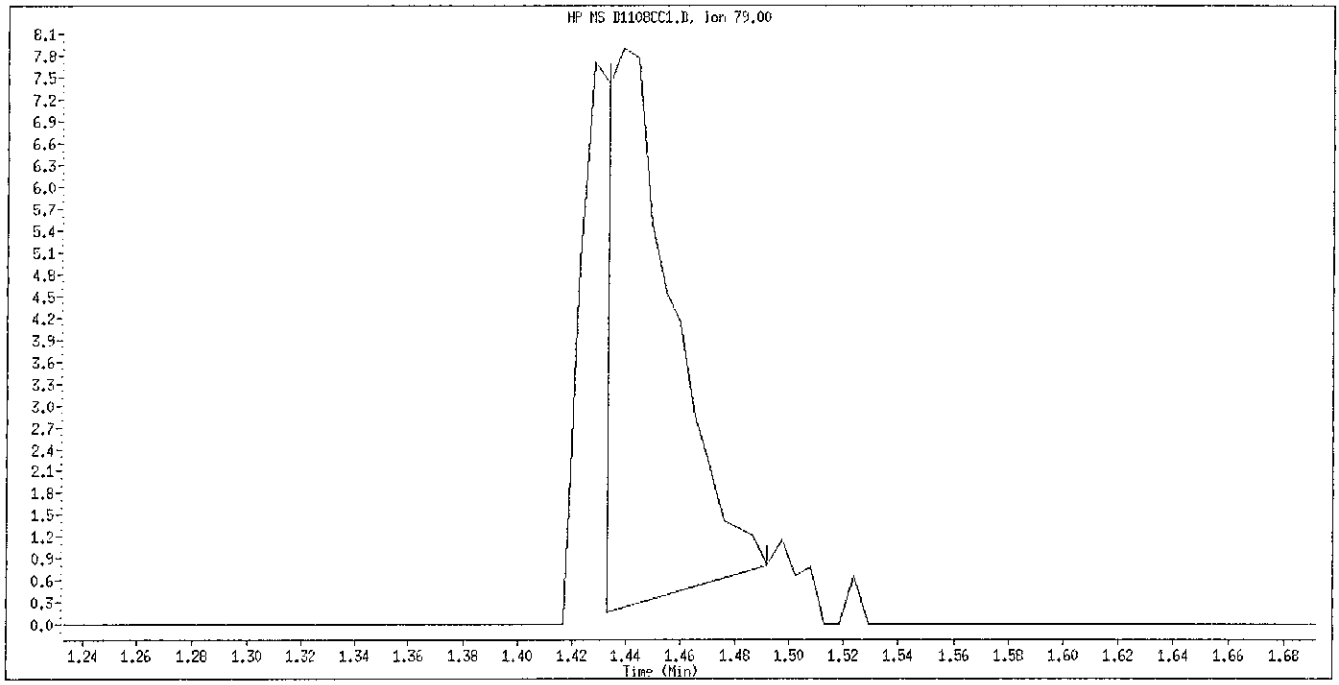
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
49	Benzoic Acid	122	5.177	5.177	(0.960)	74270	10.0000	10.054 (M)
50	1,2,4-Trichlorobenzene	180	5.348	5.348	(0.992)	54957	4.00000	4.1438
51	Naphthalene	128	5.407	5.407	(1.003)	165788	4.00000	4.1441
52	4-Chloroaniline	127	5.450	5.450	(1.011)	62531	4.00000	3.7875
54	2,6-Dichlorophenol	162	5.460	5.460	(1.013)	45345	4.00000	4.0270
56	Hexachlorobutadiene	225	5.519	5.519	(1.024)	32445	4.00000	4.1555 (Q)
208	Caprolactam	113	5.695	5.695	(1.056)	14652	4.00000	4.1513
59	4-Chloro-3-Methylphenol	107	5.840	5.840	(1.083)	46213	4.00000	4.1684
62	2-Methylnaphthalene	142	5.963	5.963	(1.106)	115257	4.00000	4.1055
63	1-Methylnaphthalene	142	6.037	6.037	(1.120)	115236	4.00000	4.1204
64	Hexachlorocyclopentadiene	237	6.096	6.096	(0.897)	40923	4.00000	4.5248
65	1,2,4,5-Tetrachlorobenzene	216	6.096	6.096	(0.897)	60896	4.00000	4.0610
66	2,4,6-Trichlorophenol	196	6.187	6.187	(0.910)	38439	4.00000	3.7794
67	2,4,5-Trichlorophenol	196	6.214	6.214	(0.914)	40734	4.00000	3.7562
209	1,1'-Biphenyl	154	6.337	6.337	(0.932)	154642	4.00000	3.9747
70	2-Chloronaphthalene	162	6.347	6.347	(0.934)	123438	4.00000	3.8898
73	2-Nitroaniline	65	6.427	6.427	(0.946)	31977	4.00000	4.4753
76	Dimethylphthalate	163	6.577	6.577	(0.968)	129355	4.00000	3.8933
78	2,6-Dinitrotoluene	165	6.620	6.620	(0.974)	28898	4.00000	4.1794
79	Acenaphthylene	152	6.678	6.678	(0.983)	204161	4.00000	3.9642
81	3-Nitroaniline	138	6.753	6.753	(0.994)	32194	4.00000	3.5984
82	Acenaphthene	153	6.823	6.823	(1.004)	131828	4.00000	4.0969
83	2,4-Dinitrophenol	184	6.833	6.833	(1.006)	40155	10.0000	12.575
85	4-Nitrophenol	109	6.881	6.881	(1.013)	47865	10.0000	11.289
86	Dibenzofuran	168	6.956	6.956	(1.024)	196625	4.00000	4.0256
87	2,4-Dinitrotoluene	165	6.940	6.940	(1.021)	41999	4.00000	4.2037
91	2,3,5,6-Tetrachlorophenol	232	7.026	7.026	(1.034)	36948	4.00000	3.9342
88	2,3,4,6-Tetrachlorophenol	232	7.058	7.058	(1.039)	39146	4.00000	4.0612
92	2-Naphthylamine	143	7.079	7.079	(1.042)	87913	4.00000	2.7334
93	Diethylphthalate	149	7.138	7.138	(1.050)	146896	4.00000	4.0222
94	Fluorene	166	7.234	7.234	(1.064)	155749	4.00000	3.7442
95	4-Chlorophenyl-phenylether	204	7.234	7.234	(1.064)	71508	4.00000	3.6427
96	4-Nitroaniline	138	7.234	7.234	(1.064)	36448	4.00000	4.2992
98	4,6-Dinitro-2-methylphenol	198	7.266	7.266	(0.910)	65302	10.0000	10.043
99	N-Nitrosodiphenylamine (1)	169	7.325	7.325	(0.918)	101069	4.00000	3.7979
100	1,2-Diphenylhydrazine	77	7.357	7.357	(0.922)	168470	4.00000	4.0416
106	4-Bromophenyl-phenylether	248	7.624	7.624	(0.955)	43881	4.00000	3.9146
107	Hexachlorobenzene	284	7.677	7.677	(0.962)	45835	4.00000	3.6926
210	Atrazine	200	7.747	7.747	(0.971)	31725	4.00000	3.3634
111	Pentachlorophenol	266	7.832	7.832	(0.981)	69193	10.0000	9.1540 (Q)
115	Phenanthrene	178	7.998	7.998	(1.002)	252727	4.00000	3.7764
116	Anthracene	178	8.041	8.041	(1.007)	255049	4.00000	3.8922
119	Carbazole	167	8.164	8.164	(1.023)	238030	4.00000	3.8389
120	Di-n-Butylphthalate	149	8.436	8.436	(1.057)	286264	4.00000	3.7947
123	Fluoranthene	202	8.949	8.949	(1.121)	287992	4.00000	4.1042
124	Benzidine	184	9.050	9.050	(0.896)	32208	4.00000	0.95806 (M)
125	Pyrene	202	9.131	9.131	(0.904)	297135	4.00000	3.8358
131	Butylbenzylphthalate	149	9.627	9.627	(0.953)	124628	4.00000	3.6091
135	3,3'-Dichlorobenzidine	252	10.060	10.060	(0.996)	59162	4.00000	3.0985
136	Benzo(a)Anthracene	228	10.087	10.087	(0.999)	250978	4.00000	3.7740
137	Chrysene	228	10.119	10.119	(1.002)	261399	4.00000	3.5770
139	bis(2-ethylhexyl)Phthalate	149	10.081	10.081	(0.998)	178133	4.00000	3.9857
140	Di-n-octylphthalate	149	10.632	10.632	(0.926)	294657	4.00000	4.4923
141	Benzo(b)fluoranthene	252	11.070	11.070	(0.964)	243434	4.00000	3.2033 (H)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
142 Benzo(k)fluoranthene	252	11.096	11.096	(0.966)	299498	4.00000	3.6610
143 7,12-dimethylbenz[a]anthracen	256	11.054	11.054	(0.962)	113827	4.00000	3.7293
146 Benzo(a)pyrene	252	11.428	11.428	(0.995)	207962	4.00000	3.8511
149 Indeno(1,2,3-cd)pyrene	276	12.913	12.913	(1.124)	328413	4.00000	4.8653
150 Dibenz(a,h)anthracene	278	12.934	12.934	(1.126)	247591	4.00000	4.5292
151 Benzo(g,h,i)perylene	276	13.335	13.335	(1.161)	290158	4.00000	4.8591
$ 154 Nitrobenzene-d5	82	4.809	4.809	(0.892)	50169	4.00000	4.7018
$ 155 2-Fluorobiphenyl	172	6.256	6.256	(0.921)	127651	4.00000	3.8228
$ 156 Terphenyl-d14	244	9.248	9.248	(0.916)	174947	4.00000	3.8236
$ 157 Phenol-d5	99	4.087	4.087	(0.936)	46551	4.00000	4.4378
$ 158 2-Fluorophenol	112	3.270	3.270	(0.749)	30698	4.00000	4.3257
$ 159 2,4,6-Tribromophenol	330	7.426	7.426	(0.930)	17621	4.00000	3.4939
$ 186 2-Chlorophenol-d4	132	4.178	4.178	(0.957)	43764	4.00000	4.3122
$ 187 1,2-Dichlorobenzene-d4	152	4.488	4.488	(1.028)	32586	4.00000	4.1263

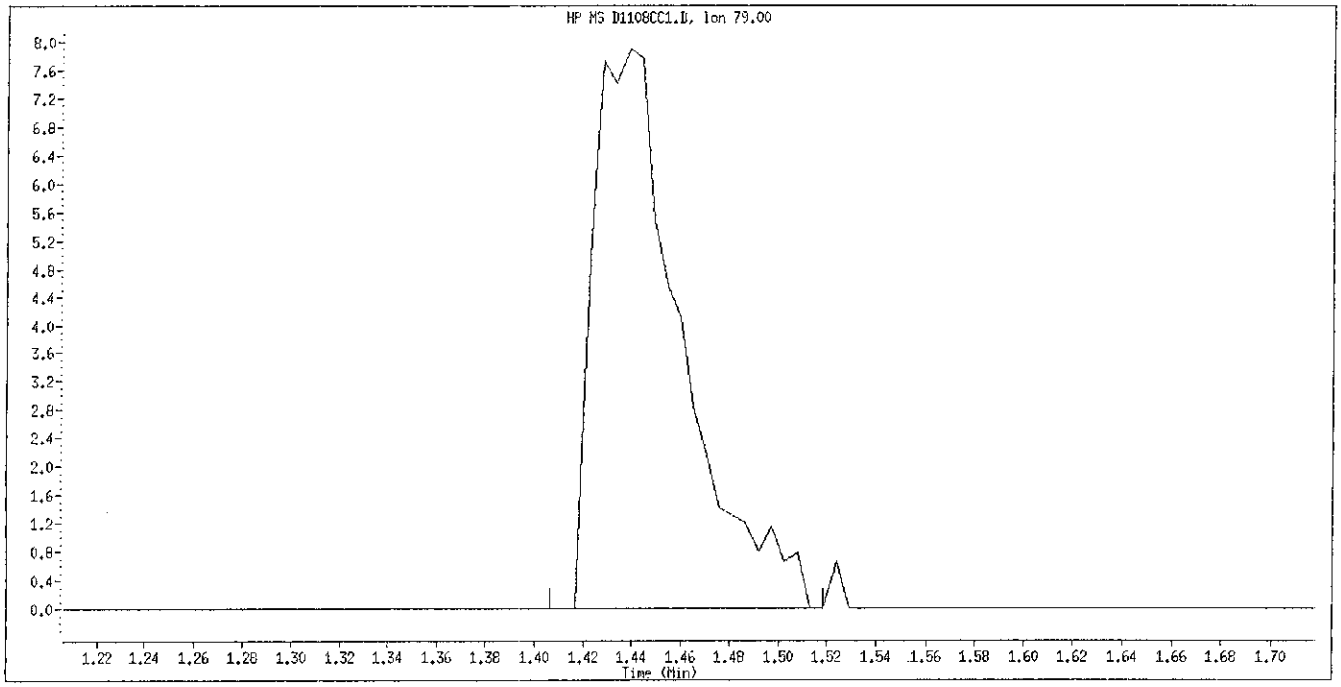
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: D1108CC1.D
Inj. Date and Time: 08-NOV-2010 13:06
Instrument ID: 732.i
Client ID: sstd4
Compound Name: Pyridine
CAS #: 110-86-1



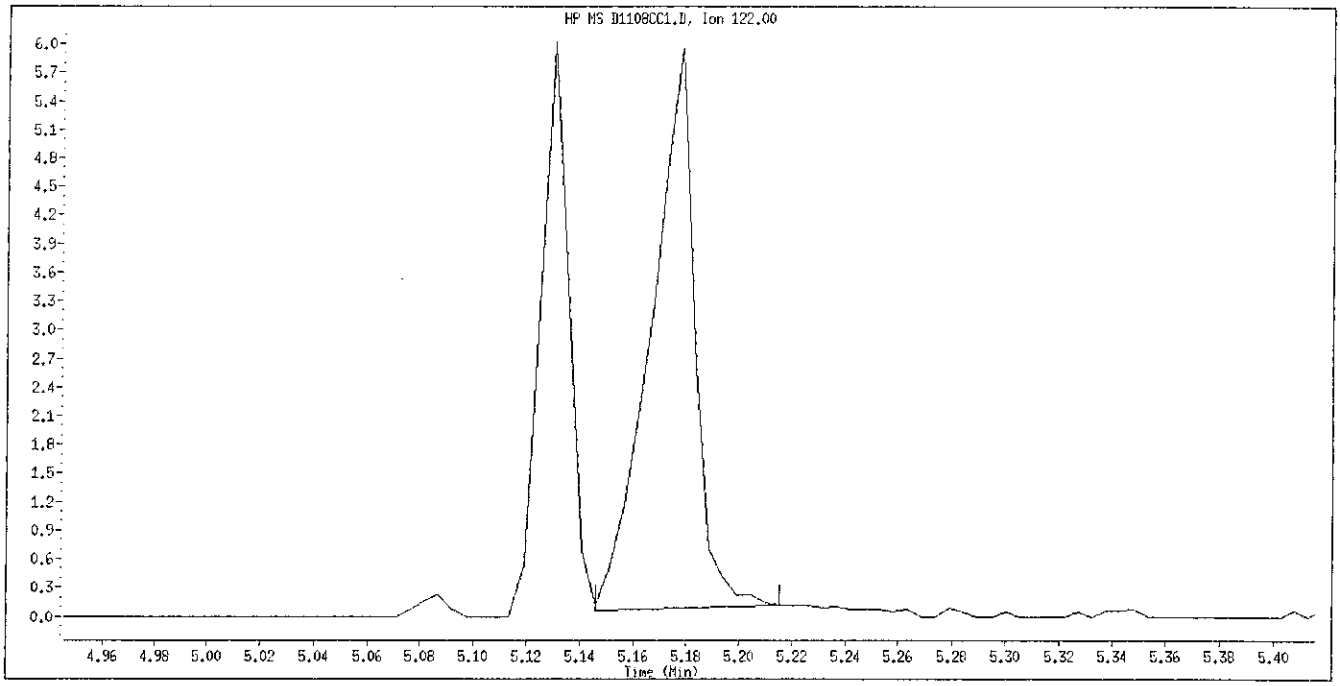
Original Integration



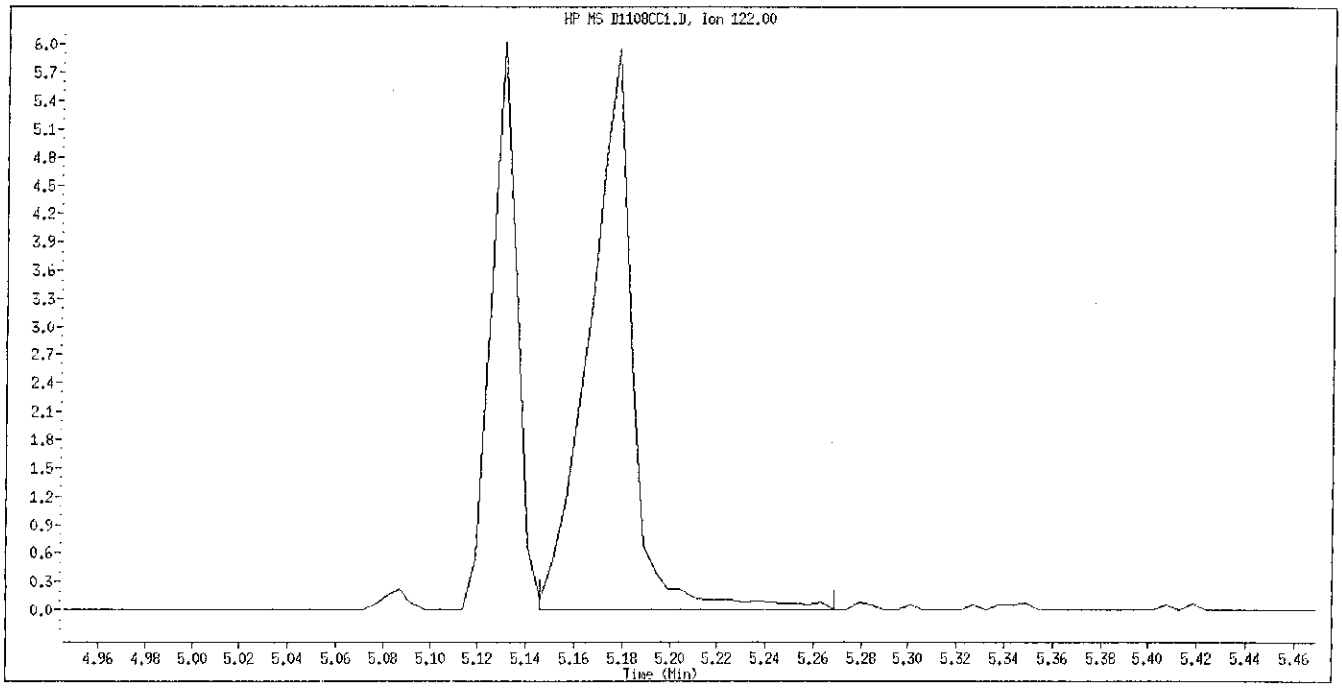
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1108CC1.D
Inj. Date and Time: 08-NOV-2010 13:06
Instrument ID: 732.i
Client ID: sstd4
Compound Name: Benzoic Acid
CAS #: 65-85-0



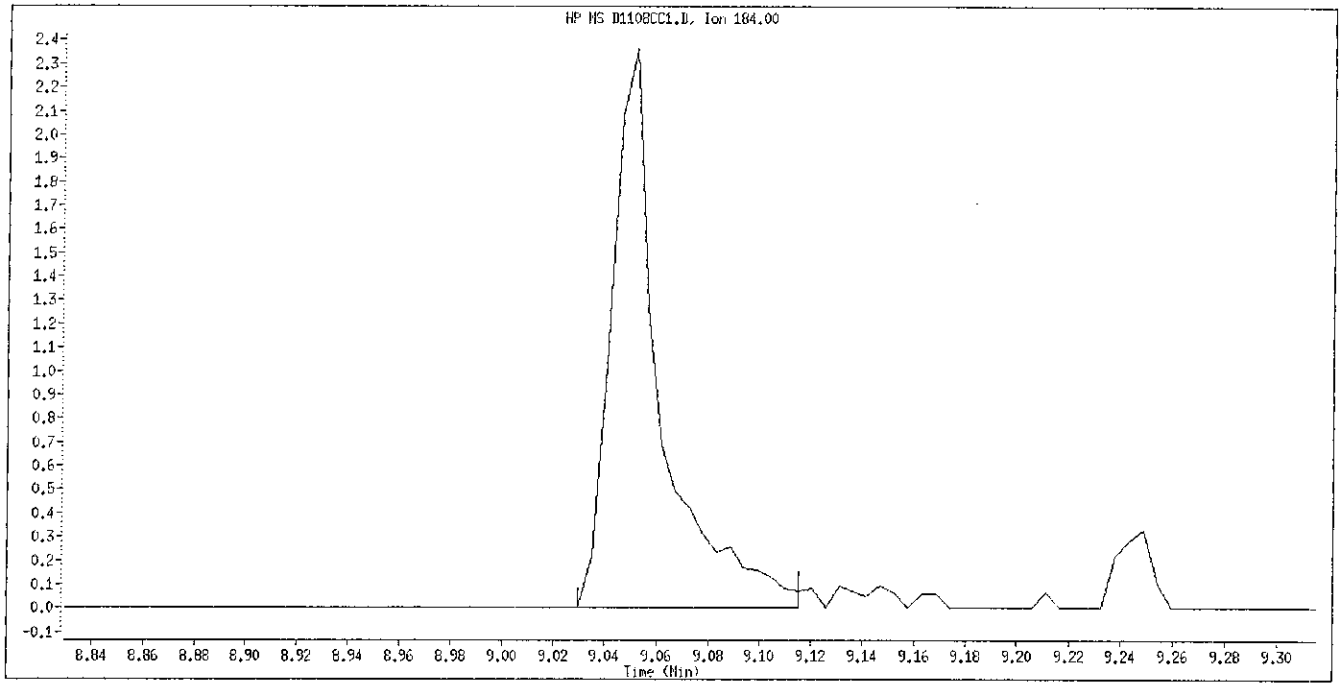
Original Integration



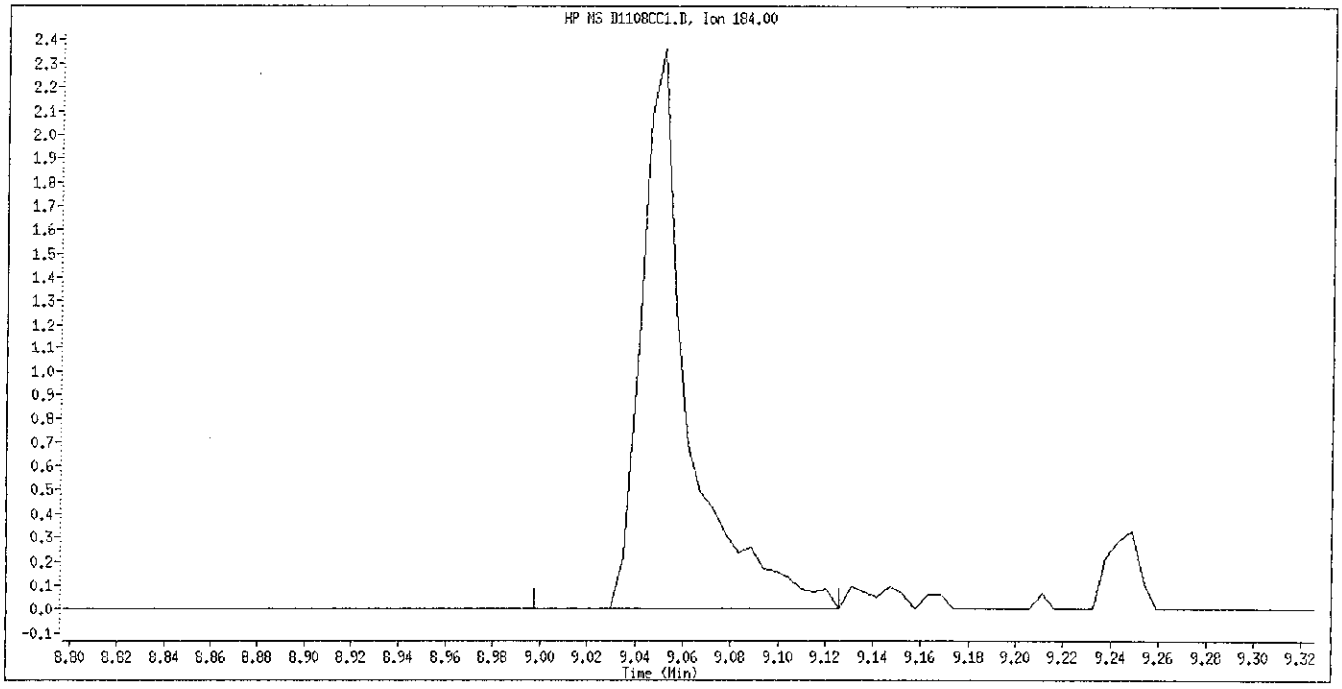
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1108CC1.D
Inj. Date and Time: 08-NOV-2010 13:06
Instrument ID: 732.i
Client ID: sstd4
Compound Name: Benzidine
CAS #: 92-87-5



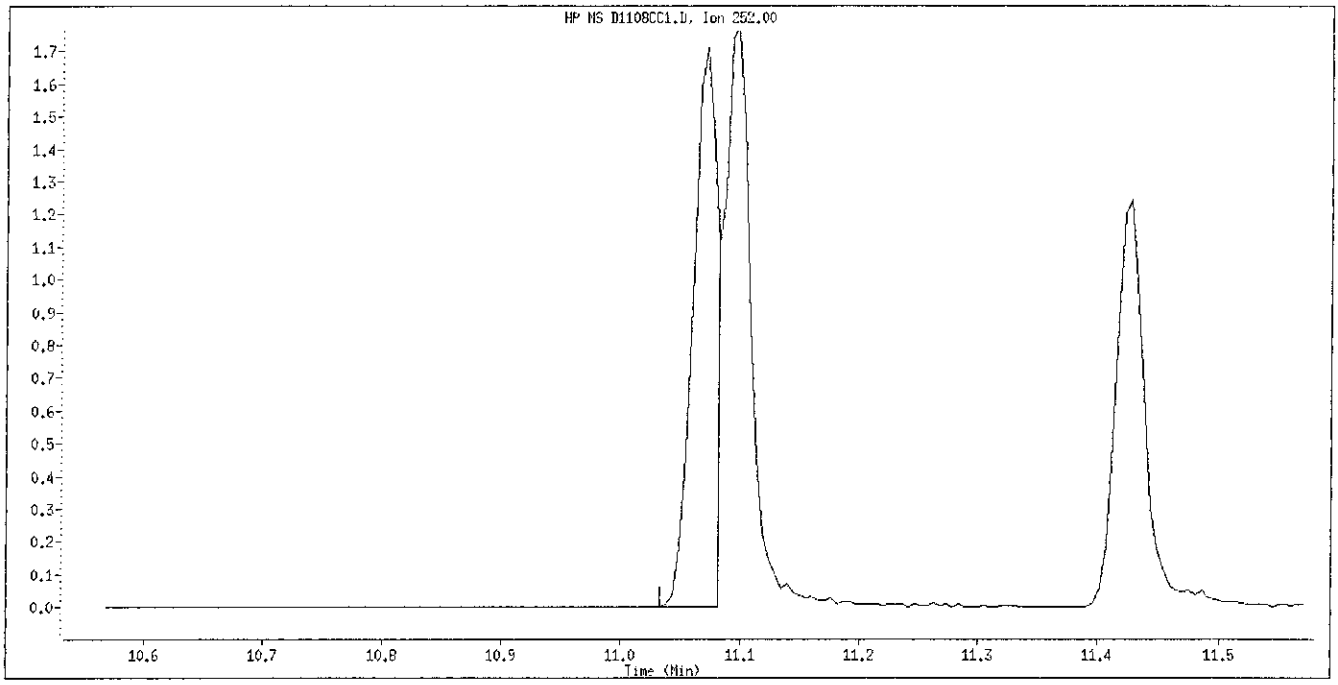
Original Integration



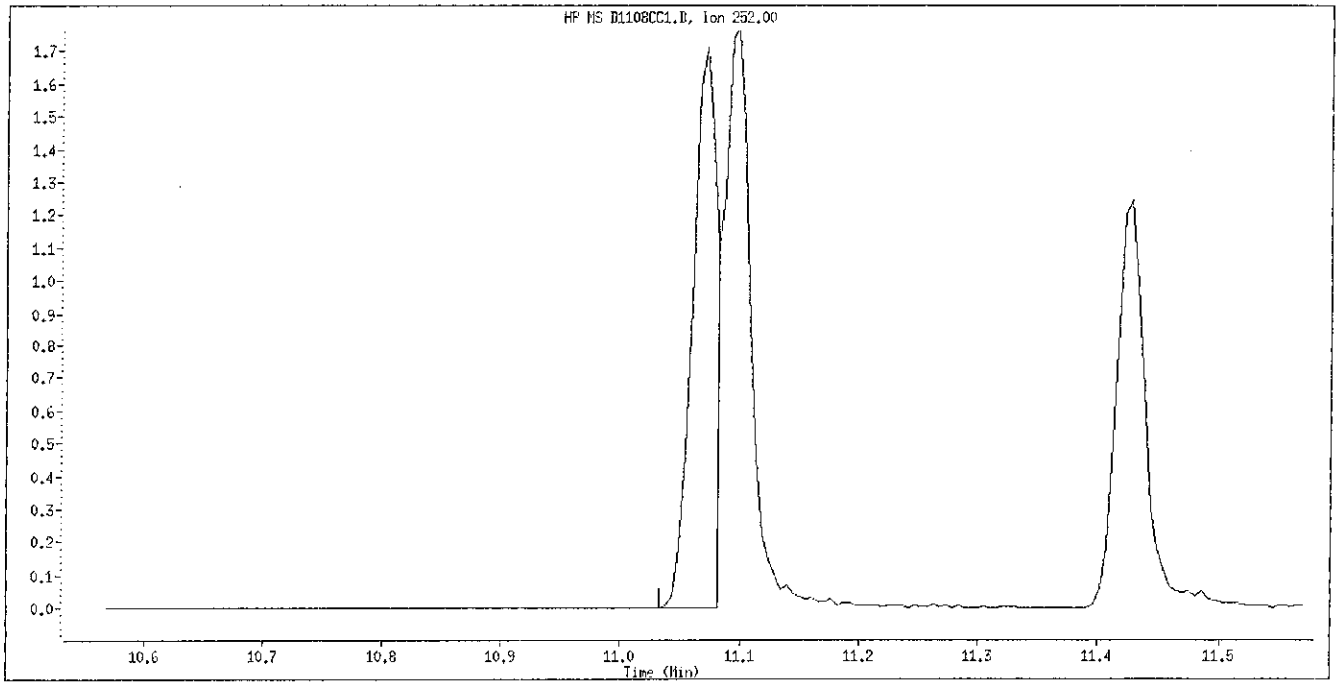
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1108CC1.D
Inj. Date and Time: 08-NOV-2010 13:06
Instrument ID: 732.i
Client ID: sstd4
Compound Name: Benzo(b)fluoranthene
CAS #: 205-99-2



Original Integration



Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Identified Incorrectly

GC/MS SEMIVOLATILE
QC DATA

Data File: \\PITSVR06\D\chem\732.i\d092310.b\D0923DF4.D

Date : 23-SEP-2010 17:45

Client ID:

Instrument: 732.i

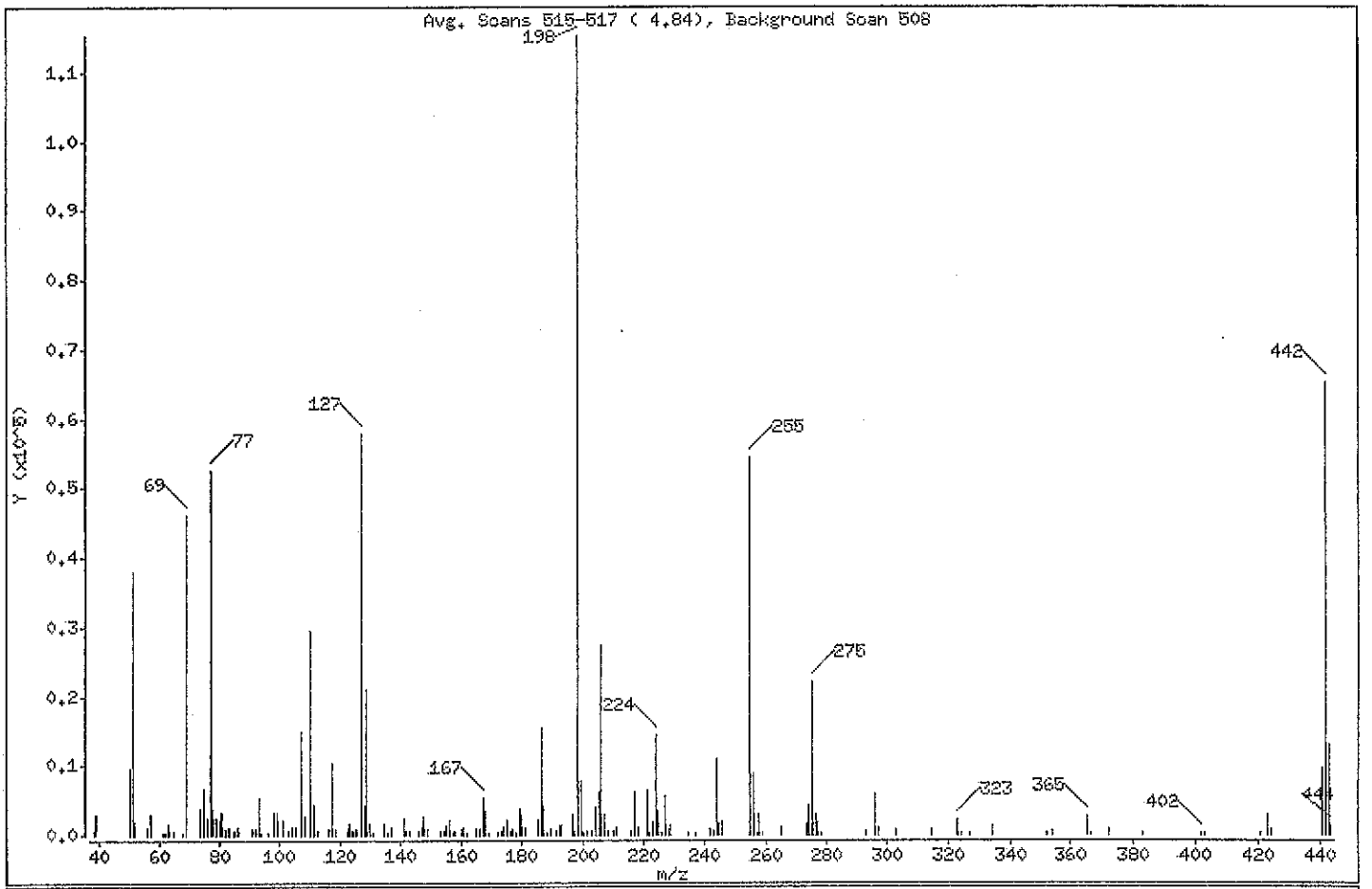
Sample Info: dftpp (25ug/ml) bna0464-10

Operator: 430261no

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	32.84
68	Less than 2.00% of mass 69	0.25 (0.62)
69	Mass 69 relative abundance	39.92
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	50.02
197	Less than 1.00% of mass 198	0.43
199	5.00 - 9.00% of mass 198	6.66
275	10.00 - 30.00% of mass 198	19.01
365	Greater than 1.00% of mass 198	2.24
441	Present, but less than mass 443	8.27
442	40.00 - 99.00% of mass 198	56.60
443	17.00 - 23.00% of mass 442	11.23 (19.84)

Date : 23-SEP-2010 17:45

Client ID: Instrument: 732.i

Sample Info: dftpp (25ug/ml) bna0464-10

Operator: 430261nc

Column phase: Column diameter: 2.00

Data File: D0923DF4.D

Spectrum: Avg. Scans 515-517 (4.84), Background Scan 508

Location of Maximum: 198.00

Number of points: 165

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	600	116.00	694	178.00	390	244.00	10917
39.00	2946	117.00	10375	179.00	3738	245.00	1685
50.00	9641	118.00	813	180.00	2839	246.00	1904
51.00	37848	122.00	631	181.00	1160	255.00	54392
52.00	1875	123.00	1657	185.00	2034	256.00	8784
56.00	956	124.00	481	186.00	15430	257.00	247
57.00	2997	125.00	713	187.00	4343	258.00	2845
61.00	378	127.00	57640	188.00	184	259.00	175
62.00	386	128.00	4281	189.00	895	265.00	1070
63.00	1552	129.00	20904	191.00	432	273.00	1679
65.00	557	130.00	1704	192.00	1423	274.00	4285
68.00	285	131.00	168	193.00	1298	275.00	21912
69.00	46008	135.00	1700	196.00	2861	276.00	2828
74.00	3688	136.00	269	197.00	490	277.00	1945
75.00	6590	137.00	1115	198.00	115240	278.00	218
76.00	2377	141.00	2333	199.00	7671	293.00	449
77.00	52328	142.00	414	200.00	355	296.00	5857
78.00	3630	143.00	411	201.00	459	297.00	1014
79.00	2370	146.00	571	203.00	435	303.00	672
80.00	2126	147.00	1188	204.00	3991	315.00	749
81.00	3285	148.00	2691	205.00	6211	323.00	2115
82.00	757	149.00	875	206.00	27408	324.00	355
83.00	1018	153.00	425	207.00	3006	327.00	202
85.00	460	154.00	502	208.00	657	334.00	1201
86.00	1001	155.00	1374	210.00	509	352.00	383
87.00	644	156.00	1999	211.00	1157	354.00	464
91.00	706	157.00	176	216.00	463	365.00	2585
92.00	748	158.00	474	217.00	6225	366.00	181
93.00	5175	160.00	681	218.00	938	372.00	874
94.00	205	161.00	1189	221.00	6441	383.00	186
96.00	170	162.00	194	222.00	343	402.00	367
98.00	3286	165.00	897	223.00	1771	403.00	211
99.00	3297	166.00	694	224.00	14391	421.00	185
101.00	2080	167.00	5228	225.00	3563	423.00	2840
103.00	469	168.00	3411	226.00	259	424.00	804

Date : 23-SEP-2010 17:45

Client ID: Instrument: 732.i

Sample Info: dftpp (25ug/ml) bna0464-10

Operator: 430261nc

Column phase: Column diameter: 2.00

Data File: D0923DF4.D
Spectrum: Avg. Scans 515-517 (4.84), Background Scan 508
Location of Maximum: 198.00
Number of points: 165

m/z	Y	m/z	Y	m/z	Y	m/z	Y
104.00	1118	169.00	178	227.00	5595	441.00	9527
105.00	1155	172.00	359	228.00	815	442.00	65224
107.00	14821	173.00	422	229.00	1346	443.00	12941
108.00	2691	174.00	1142	235.00	186	444.00	1297
110.00	29288	175.00	2106	237.00	198		
111.00	4252	176.00	471	242.00	678		
112.00	426	177.00	843	243.00	452		

Data File: \\PITSVR06\D\chem\732.i\d092310.b\D0923DF4.D

Date : 23-SEP-2010 17:45

Client ID:

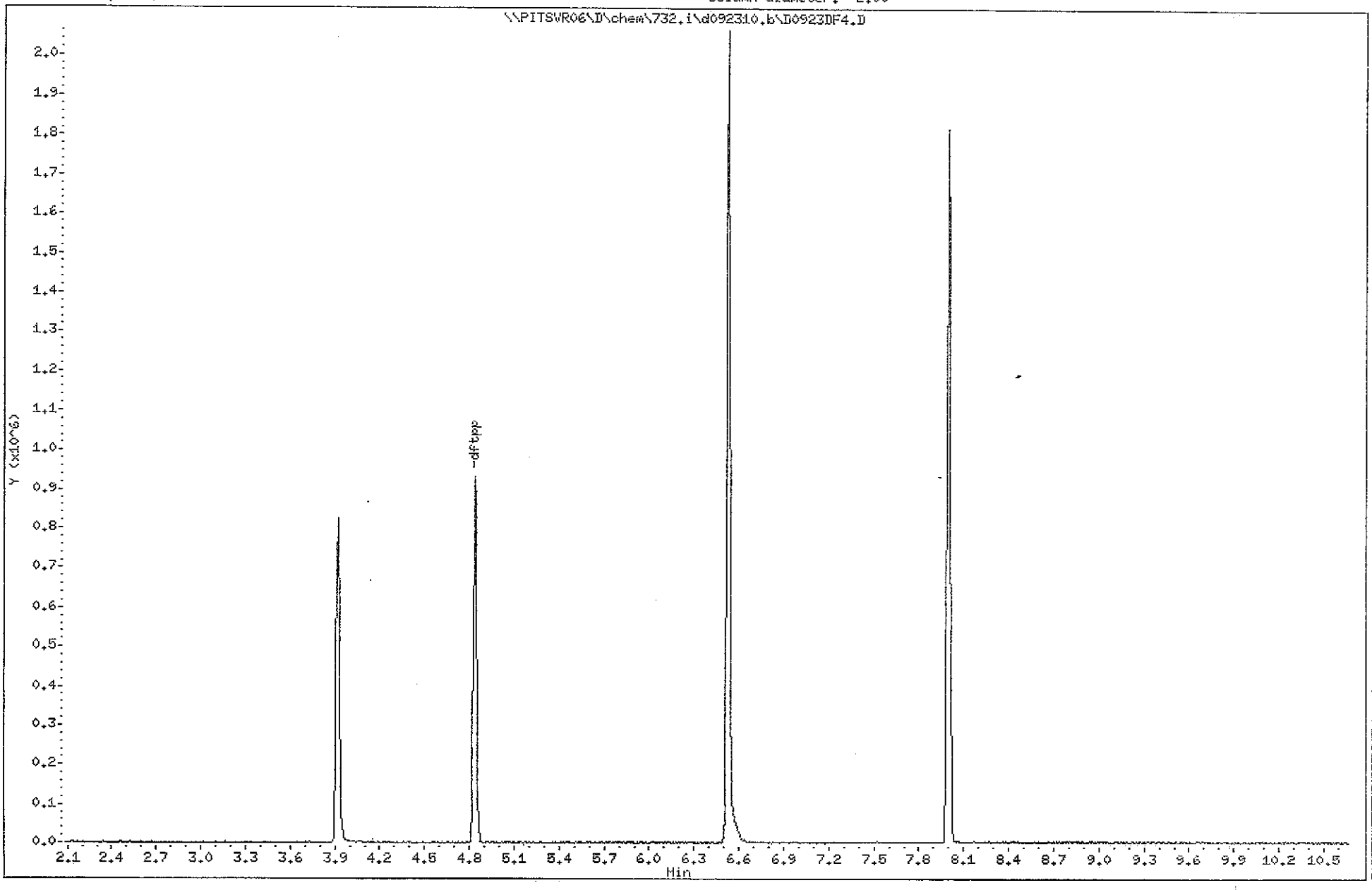
Sample Info: dftpp (25ug/ml) bna0464-10

Column phase:

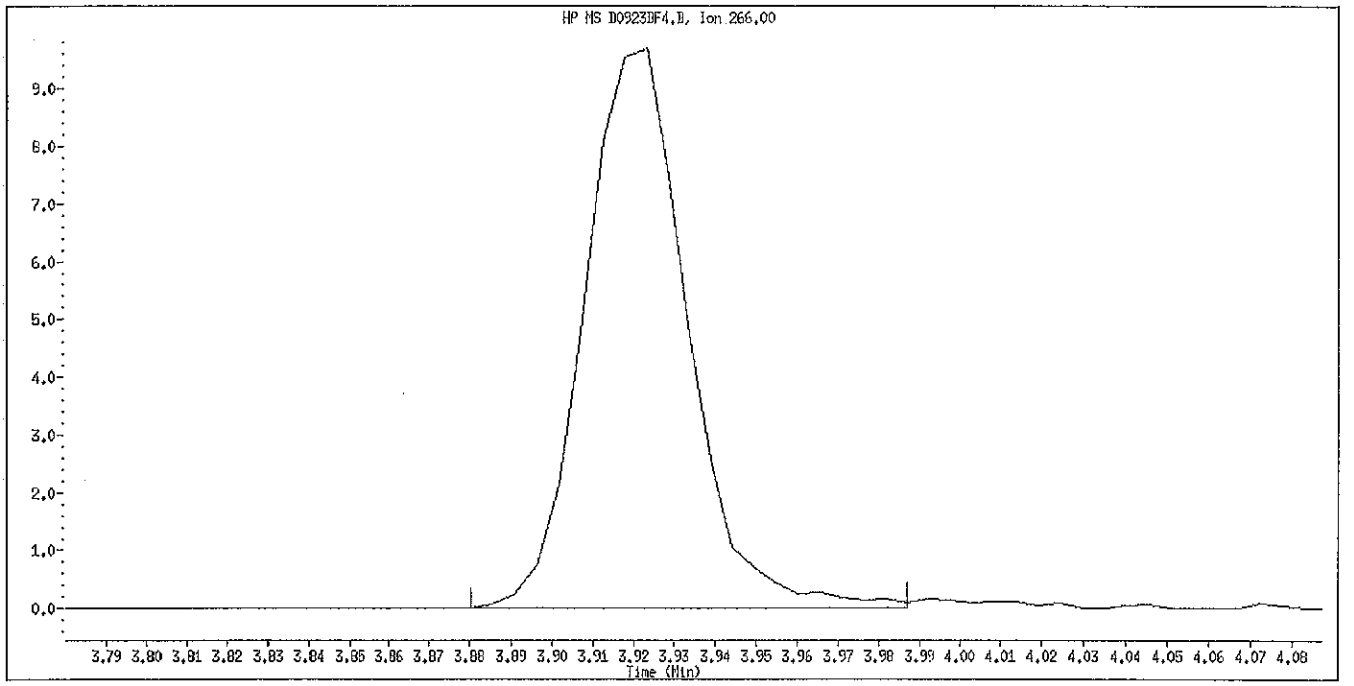
Instrument: 732.i

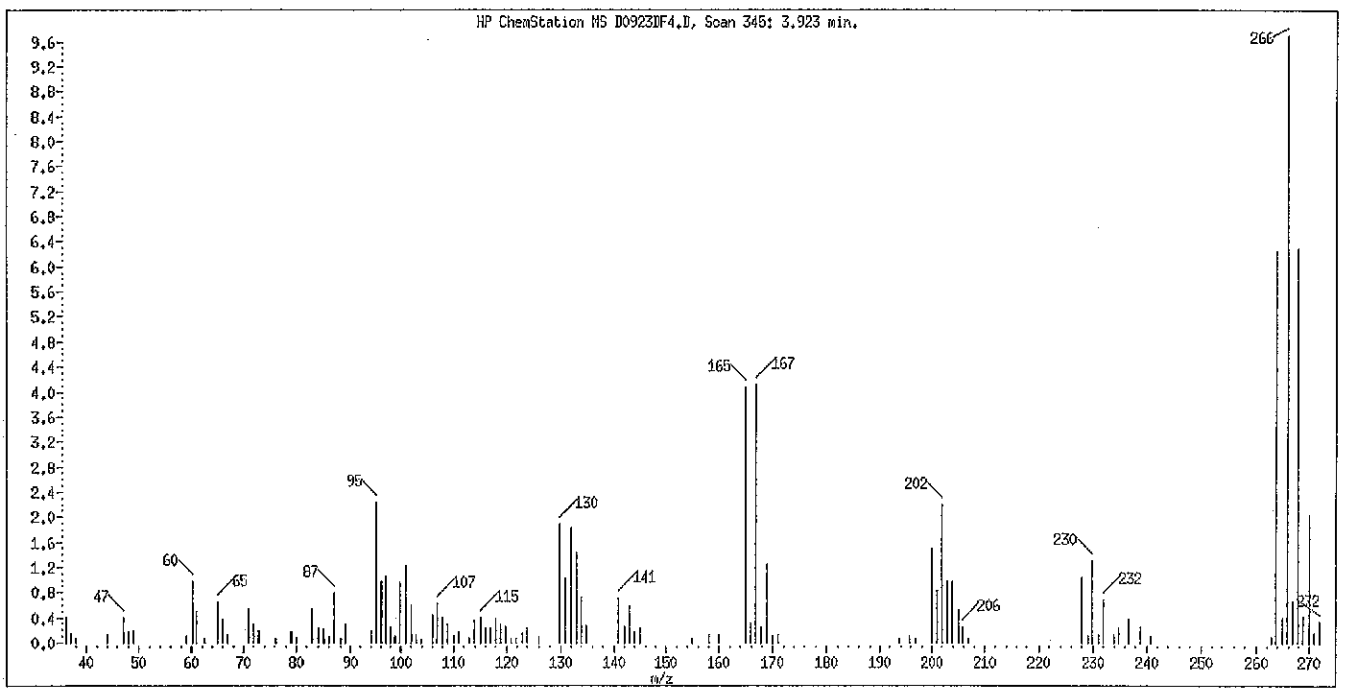
Operator: 430261nc

Column diameter: 2.00



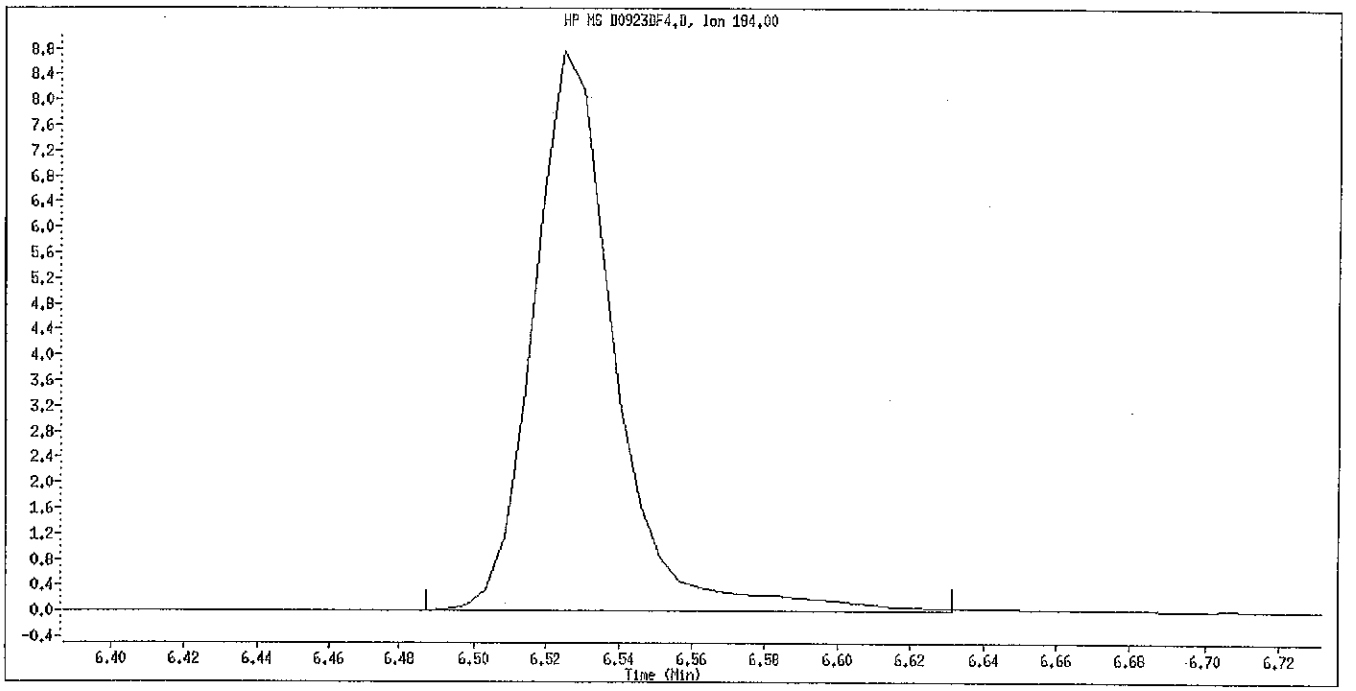
Data File: D0923DF4.D
Inj Date: 23-SEP-2010 17:45
Instrument ID: 732.i
Compound Name: Pentachlorophenol
Operator Name: 430261nc
Report Date: 09/23/2010

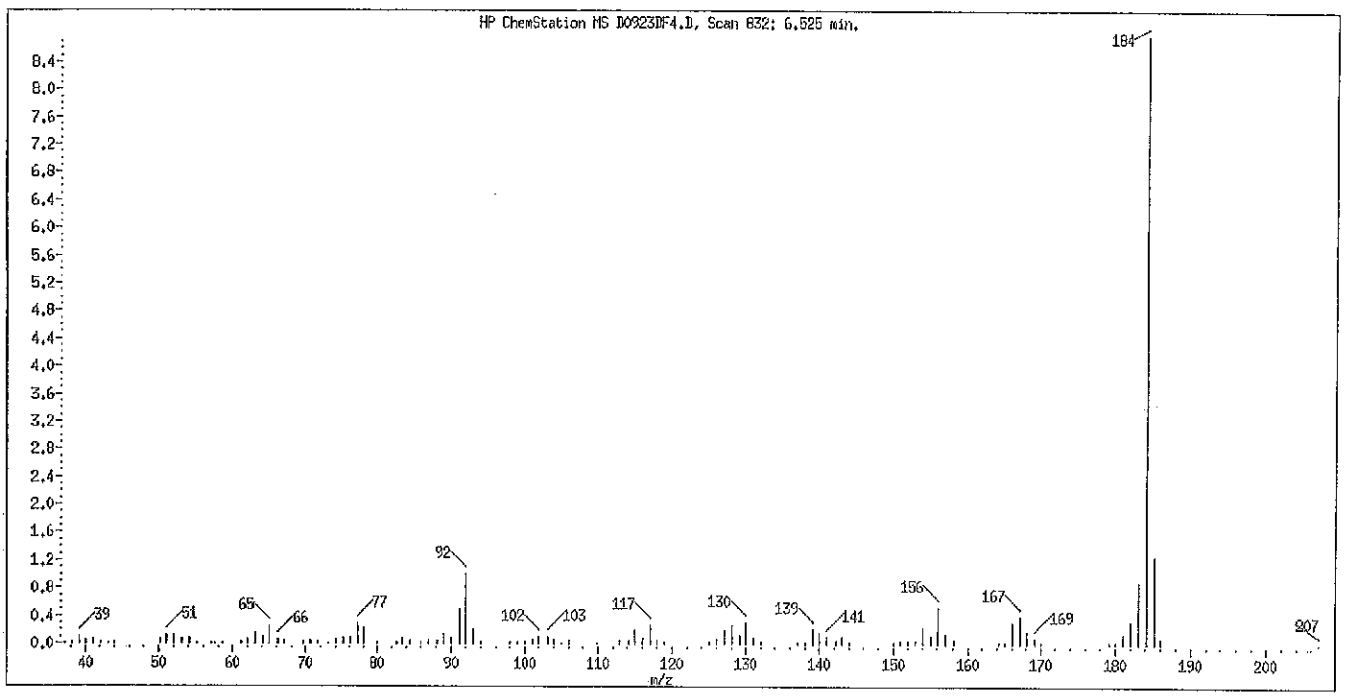




Tailing Factor = 0.88 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 3.897063 T2 = 3.922883 T3 = 3.9456

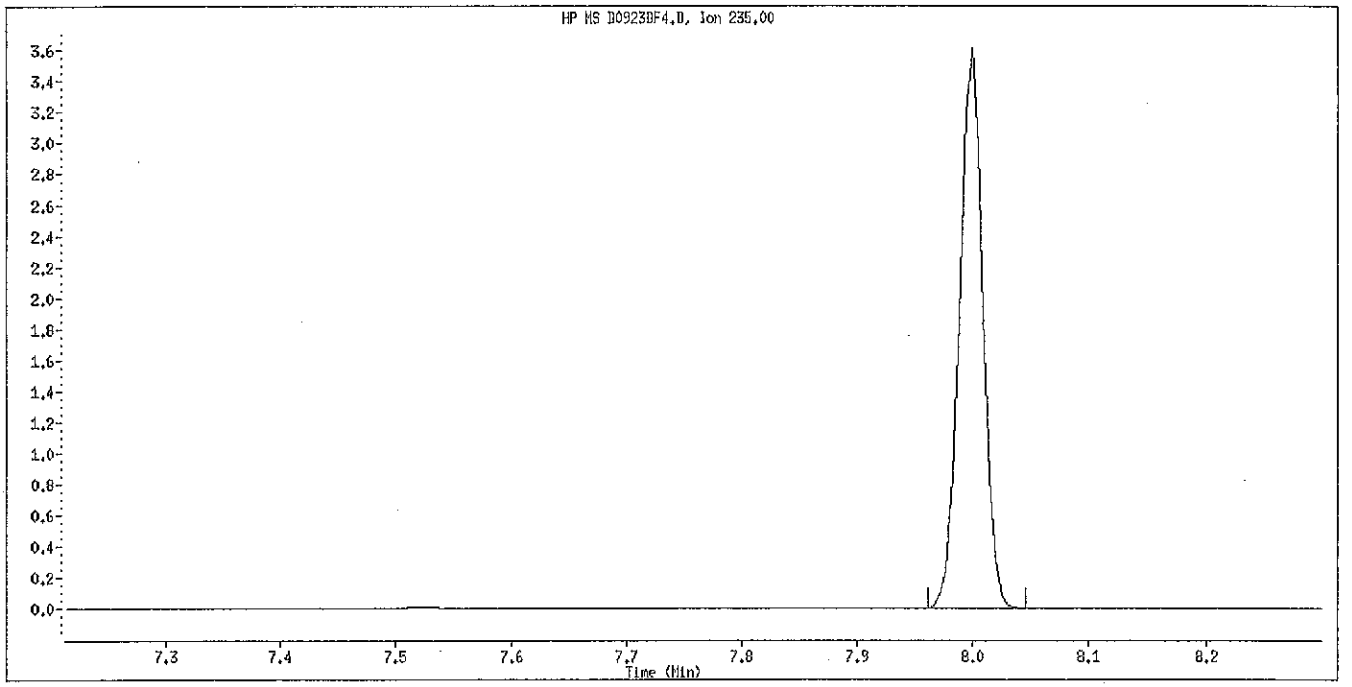
Data File: D0923DF4.D
Inj Date: 23-SEP-2010 17:45
Instrument ID: 732.i
Compound Name: Benzidine
Operator Name: 43026lnc
Report Date: 09/23/2010





Tailing Factor = 1.49 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 6.506797 T2 = 6.524567 T3 = 6.551013

Data File: D0923DF4.D
Inj Date: 23-SEP-2010 17:45
Instrument ID: 732.i
Compound Name: 4,4'-DDT
Operator Name: 430261nc
Report Date: 09/23/2010



Degradation = 0.366% Good
Acceptance Criteria 0 - 20 %
DDT Area = 512731
DDE Area = 0
DDD Area = 1883

Data File: \\PITSVR06\D\chem\732.i\d110410.b\D1104DF1.D

Date : 04-NOV-2010 12:14

Client ID:

Instrument: 732.i

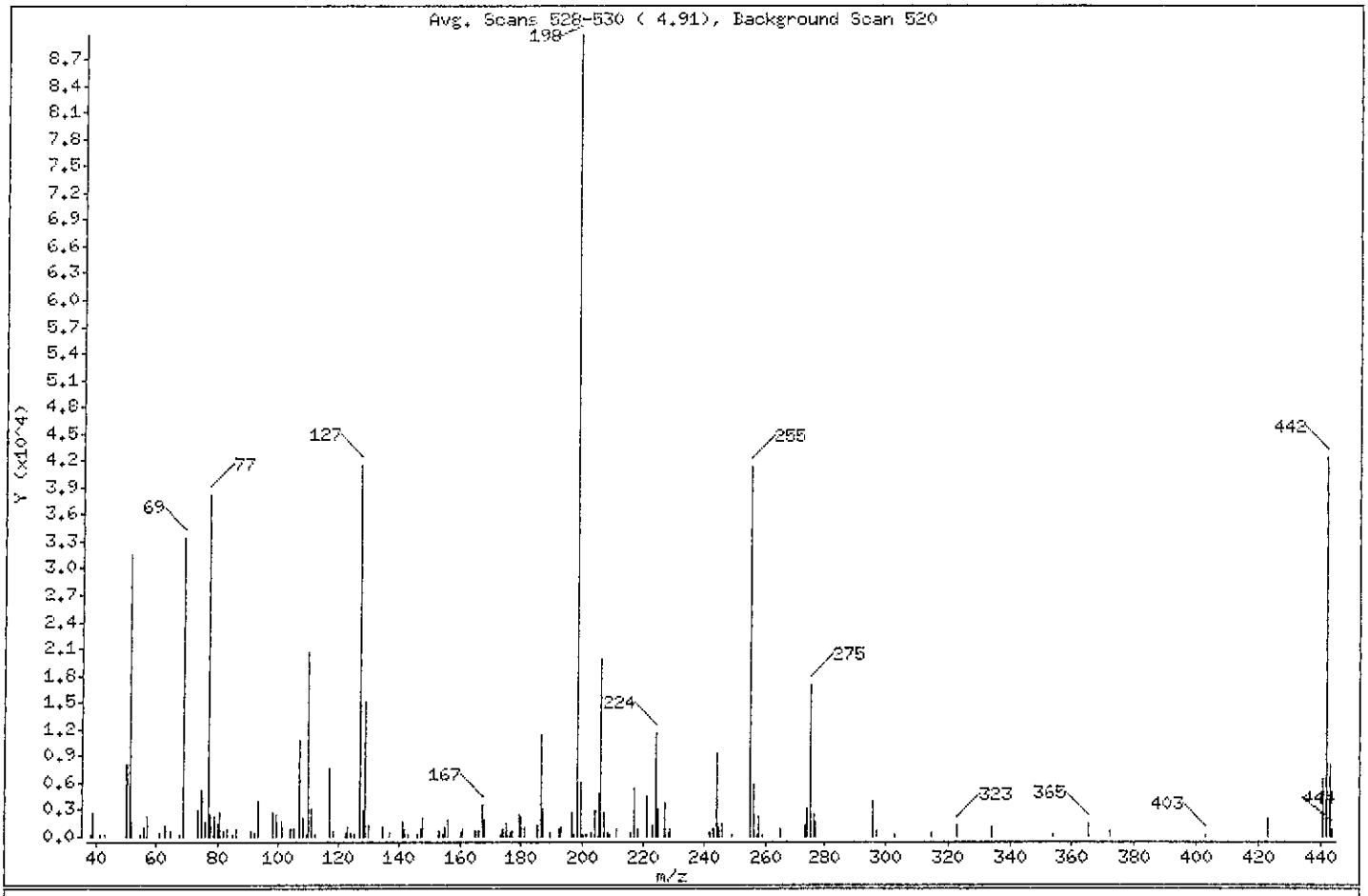
Sample Info: dftpp (25ug/ml) bna0464-10

Operator: 430261nc

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	35.10
68	Less than 2.00% of mass 69	0.23 (0.61)
69	Mass 69 relative abundance	37.19
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	46.28
197	Less than 1.00% of mass 198	0.33
199	5.00 - 9.00% of mass 198	6.56
275	10.00 - 30.00% of mass 198	18.93
365	Greater than 1.00% of mass 198	1.71
441	Present, but less than mass 443	7.20
442	40.00 - 99.00% of mass 198	47.16
443	17.00 - 23.00% of mass 442	9.05 (19.19)

Date : 04-NOV-2010 12:14

Client ID: Instrument: 732.i

Sample Info: dftpp (25ug/ml) bna0464-10

Operator: 430261nc

Column phase: Column diameter: 2.00

Data File: D1104DF1.D
Spectrum: Avg. Scans 528-530 (4.91), Background Scan 520
Location of Maximum: 198.00
Number of points: 139

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	169	107.00	10707	174.00	733	228.00	364
39.00	2664	108.00	1976	175.00	1423	229.00	837
41.00	178	109.00	195	176.00	466	242.00	409
43.00	181	110.00	20680	177.00	579	243.00	761
50.00	7961	111.00	3171	179.00	2484	244.00	9287
51.00	31480	112.00	173	180.00	2212	245.00	1120
52.00	1691	117.00	7697	181.00	1006	246.00	1427
55.00	174	118.00	569	185.00	1191	249.00	177
56.00	1033	122.00	410	186.00	11355	255.00	41136
57.00	2210	123.00	984	187.00	3107	256.00	5816
61.00	403	124.00	490	189.00	418	257.00	205
63.00	1204	125.00	199	192.00	803	258.00	2219
65.00	709	127.00	41504	193.00	951	259.00	211
68.00	205	128.00	2949	196.00	2722	265.00	824
69.00	33352	129.00	15074	197.00	299	273.00	1237
74.00	2898	130.00	1332	198.00	89680	274.00	3001
75.00	5103	135.00	1039	199.00	5883	275.00	16976
76.00	1665	137.00	377	200.00	202	276.00	2460
77.00	38144	141.00	1668	201.00	211	277.00	1599
78.00	2373	142.00	737	203.00	410	296.00	4020
79.00	2187	143.00	168	204.00	2846	297.00	716
80.00	1465	146.00	170	205.00	4787	303.00	217
81.00	2773	147.00	896	206.00	19872	315.00	406
82.00	607	148.00	1938	207.00	2771	323.00	1277
83.00	790	153.00	620	208.00	429	334.00	946
85.00	191	154.00	193	209.00	180	354.00	209
86.00	769	155.00	1029	211.00	812	365.00	1534
91.00	613	156.00	1773	216.00	469	372.00	634
92.00	470	160.00	444	217.00	5293	403.00	187
93.00	3827	161.00	907	218.00	805	423.00	2007
98.00	2698	165.00	577	221.00	4509	441.00	6457
99.00	2547	166.00	684	223.00	1274	442.00	42296
101.00	1672	167.00	3429	224.00	11456	443.00	8116
104.00	784	168.00	1949	225.00	3002	444.00	865
105.00	884	173.00	172	227.00	3785		

Date : 04-NOV-2010 12:14

Client ID: Instrument: 732.i

Sample Info: dftpp (25ug/ml) bna0464-10

Operator: 430261nc

Column phase: Column diameter: 2.00

Data File: D1104DF1.D
Spectrum: Avg. Scans 528-530 (4.91), Background Scan 520
Location of Maximum: 198.00
Number of points: 139

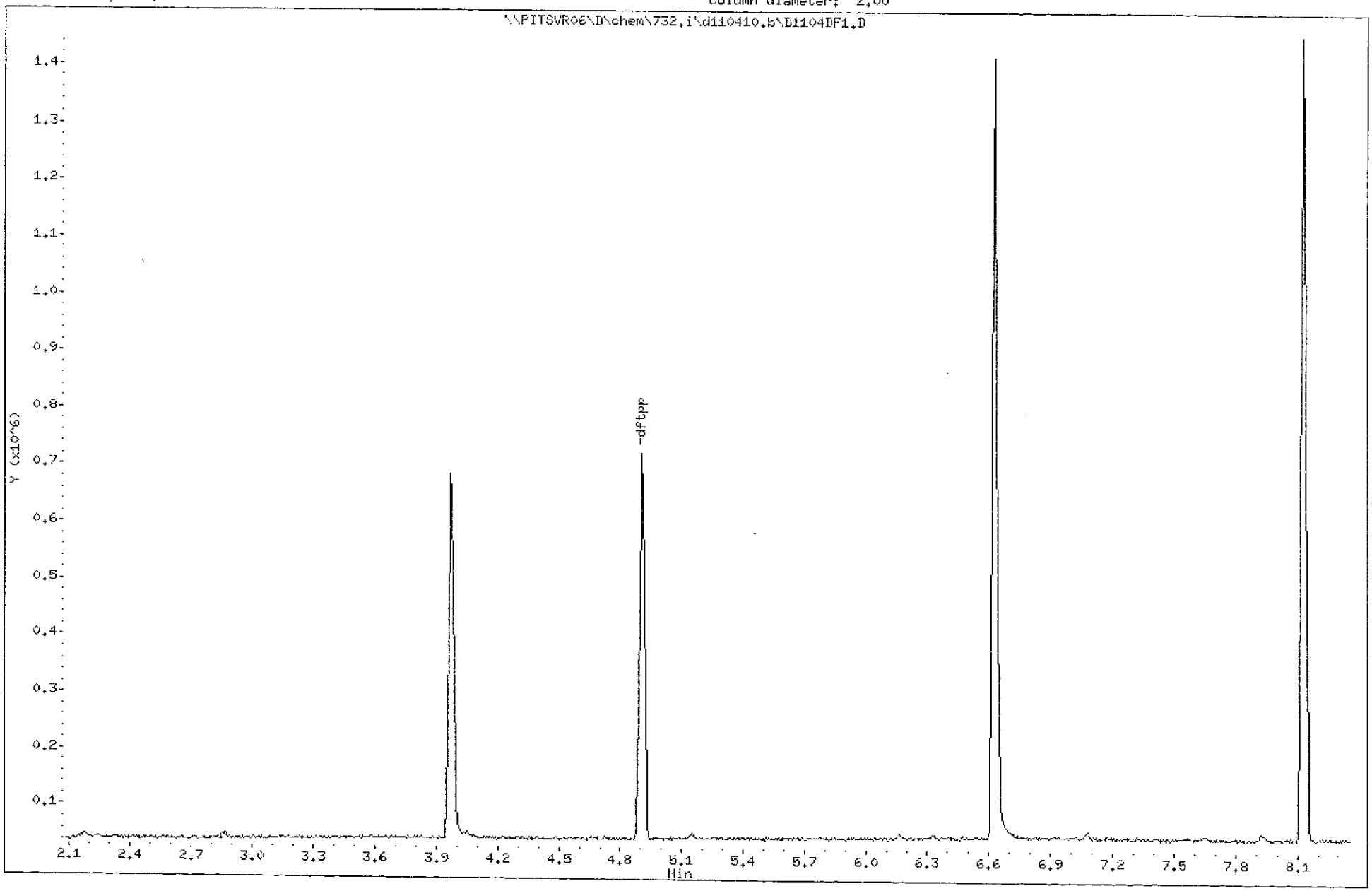
m/z	Y	m/z	Y	m/z	Y	m/z	Y

Data File: \\PITSVR06\D\chem\732.i\d110410.b\D1104DF1.D
Date : 04-NOV-2010 12:14
Client ID:
Sample Info: dftpp (25ug/ml) bna0464-10

Instrument: 732.i

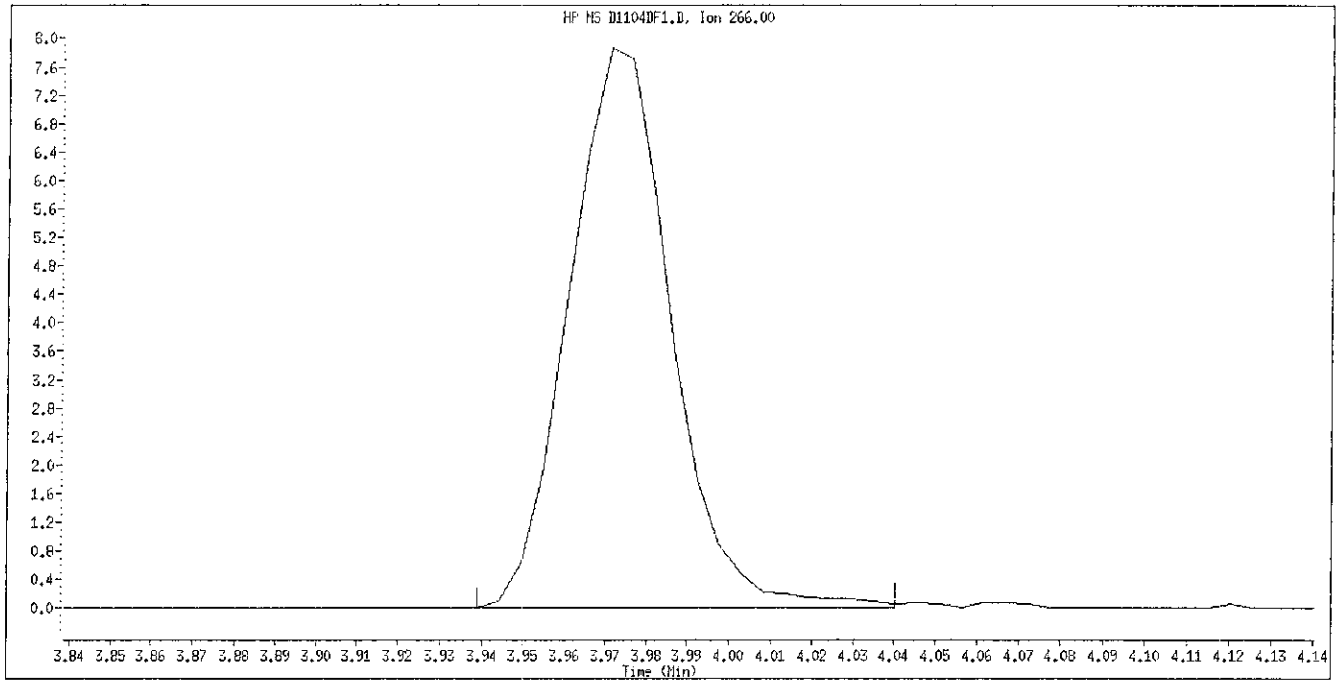
Operator: 430261mc
Column diameter: 2.00

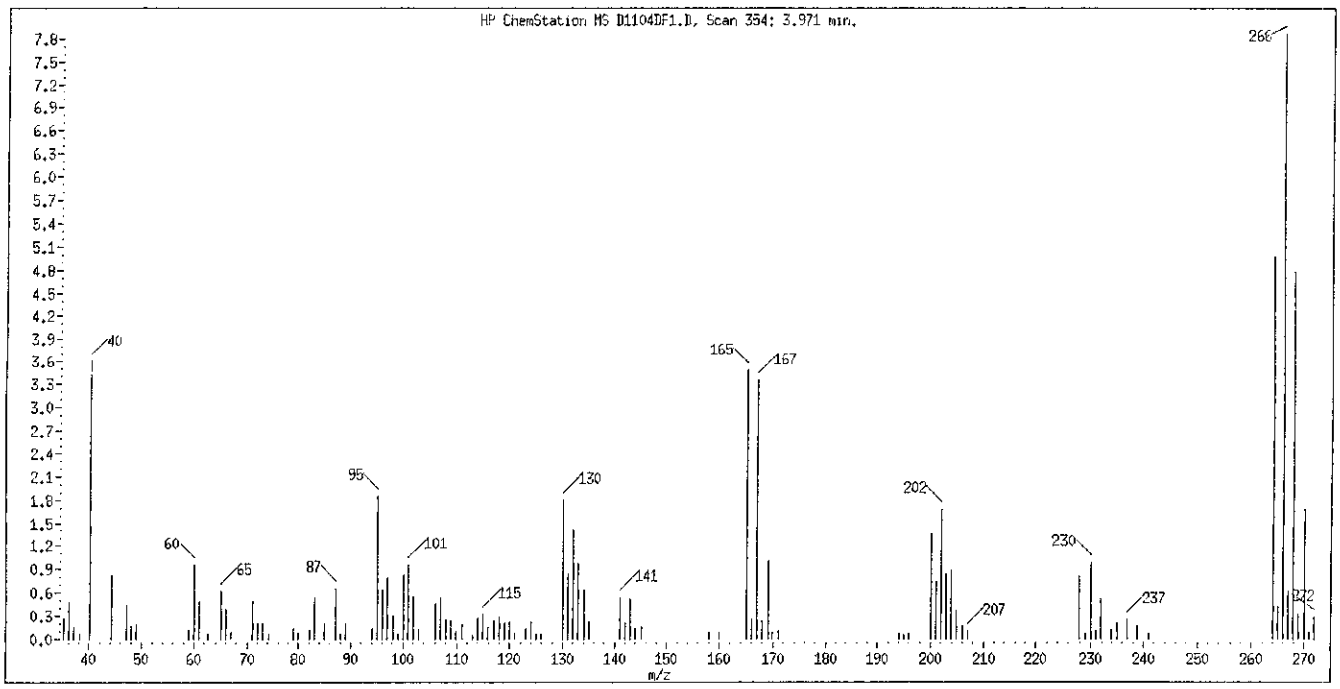
Column phase:



(1001 - 1489)
1437
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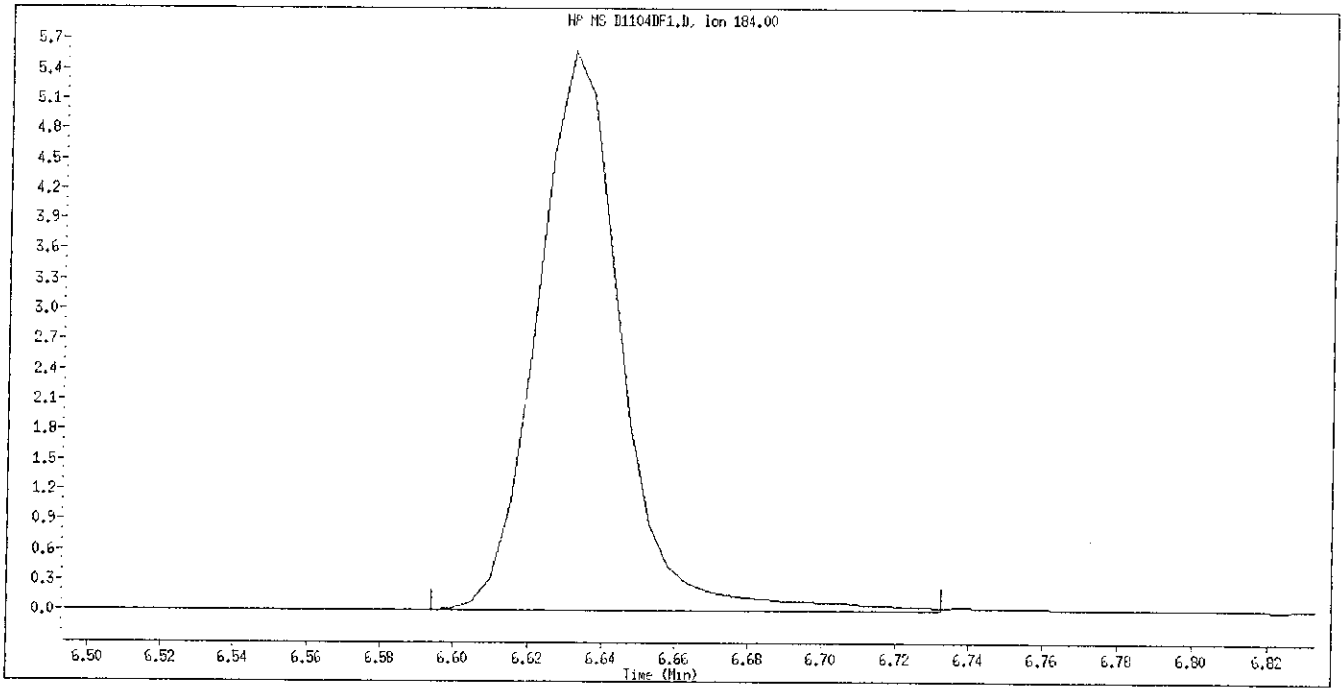
Data File: D1104DF1.D
Inj Date: 04-NOV-2010 12:14
Instrument ID: 732.i
Compound Name: Pentachlorophenol
Operator Name: 430261nc
Report Date: 11/04/2010

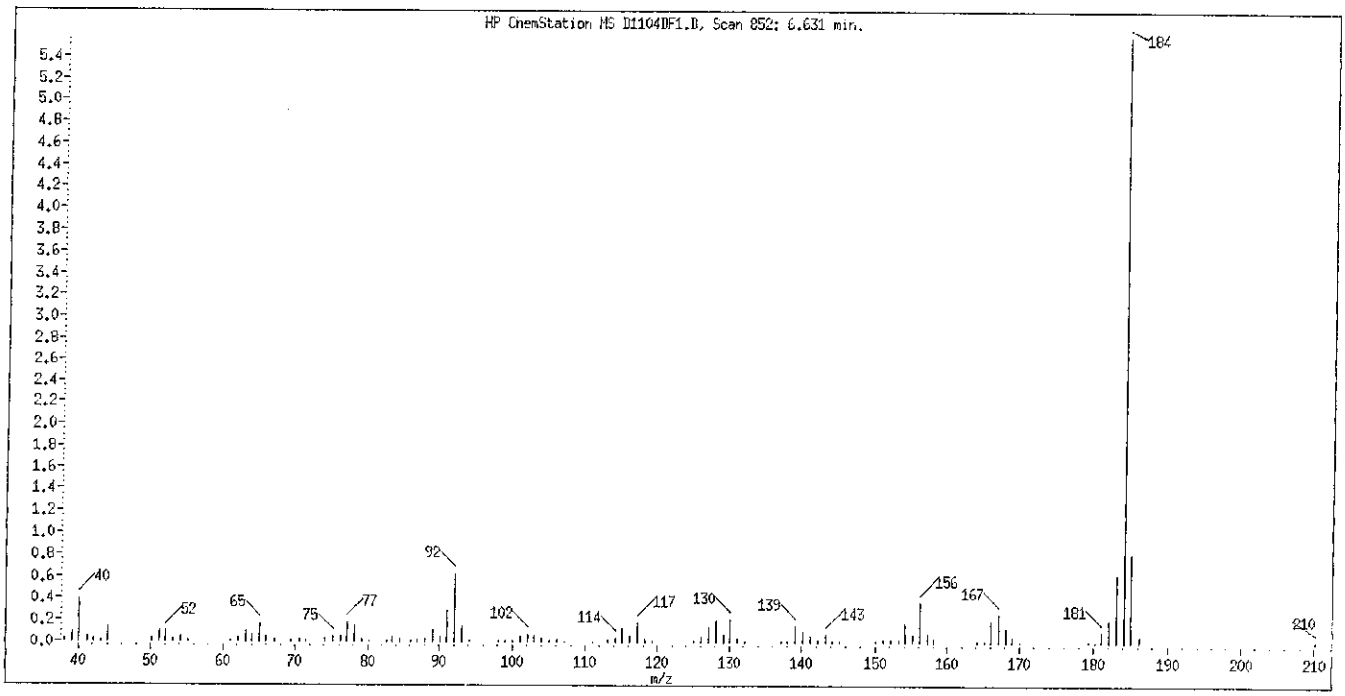




Tailing Factor = 1.35 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 3.950055 T2 = 3.97085 T3 = 3.998864

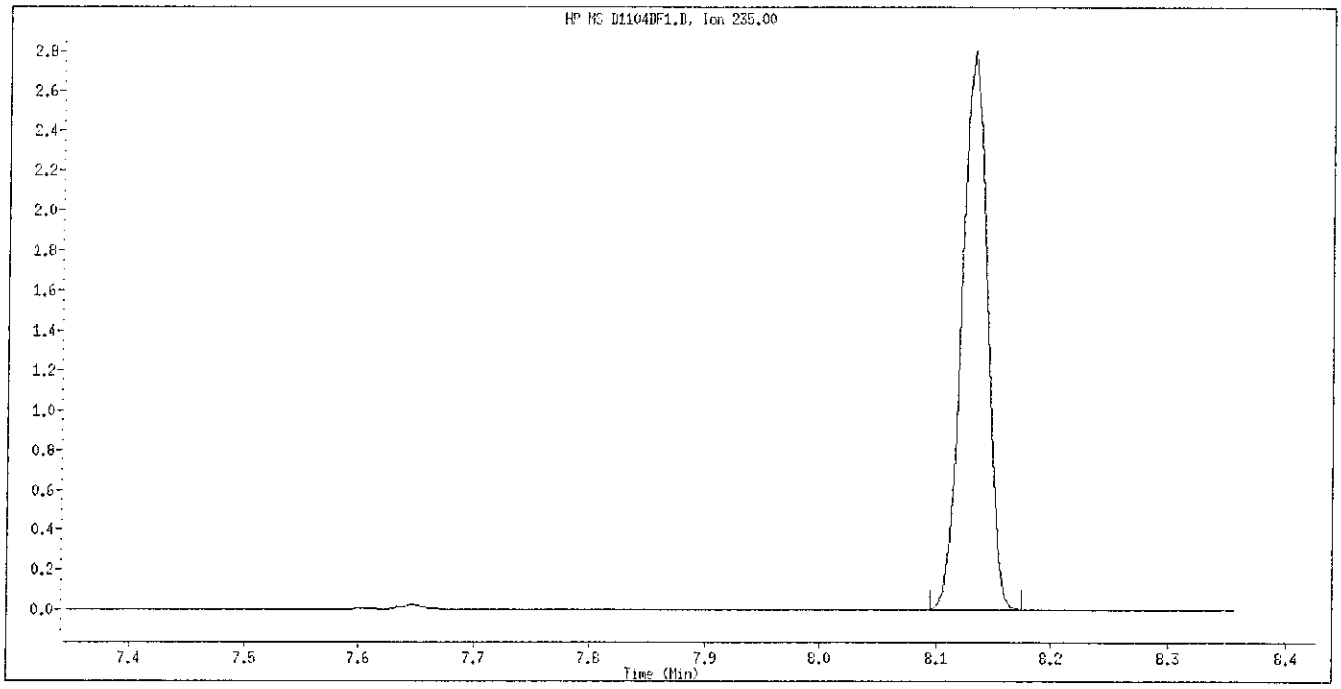
Data File: D1104DF1.D
Inj Date: 04-NOV-2010 12:14
Instrument ID: 732.i
Compound Name: Benzidine
Operator Name: 43026inc
Report Date: 11/04/2010





Tailing Factor = 1.28 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 6.611599 T2 = 6.631283 T3 = 6.656496

Data File: D1104DF1.D
Inj Date: 04-NOV-2010 12:14
Instrument ID: 732.i
Compound Name: 4,4'-DDT
Operator Name: 430261nc
Report Date: 11/04/2010



Degradation = 0.174% Good
Acceptance Criteria 0 - 20 %
DDT Area = 434461
DDE Area = 0
DDD Area = 757

Data File: \\PITSVR06\D\chem\732.i\d110810.b\D1108DF1.D

Date : 08-NOV-2010 12:52

Client ID:

Instrument: 732.i

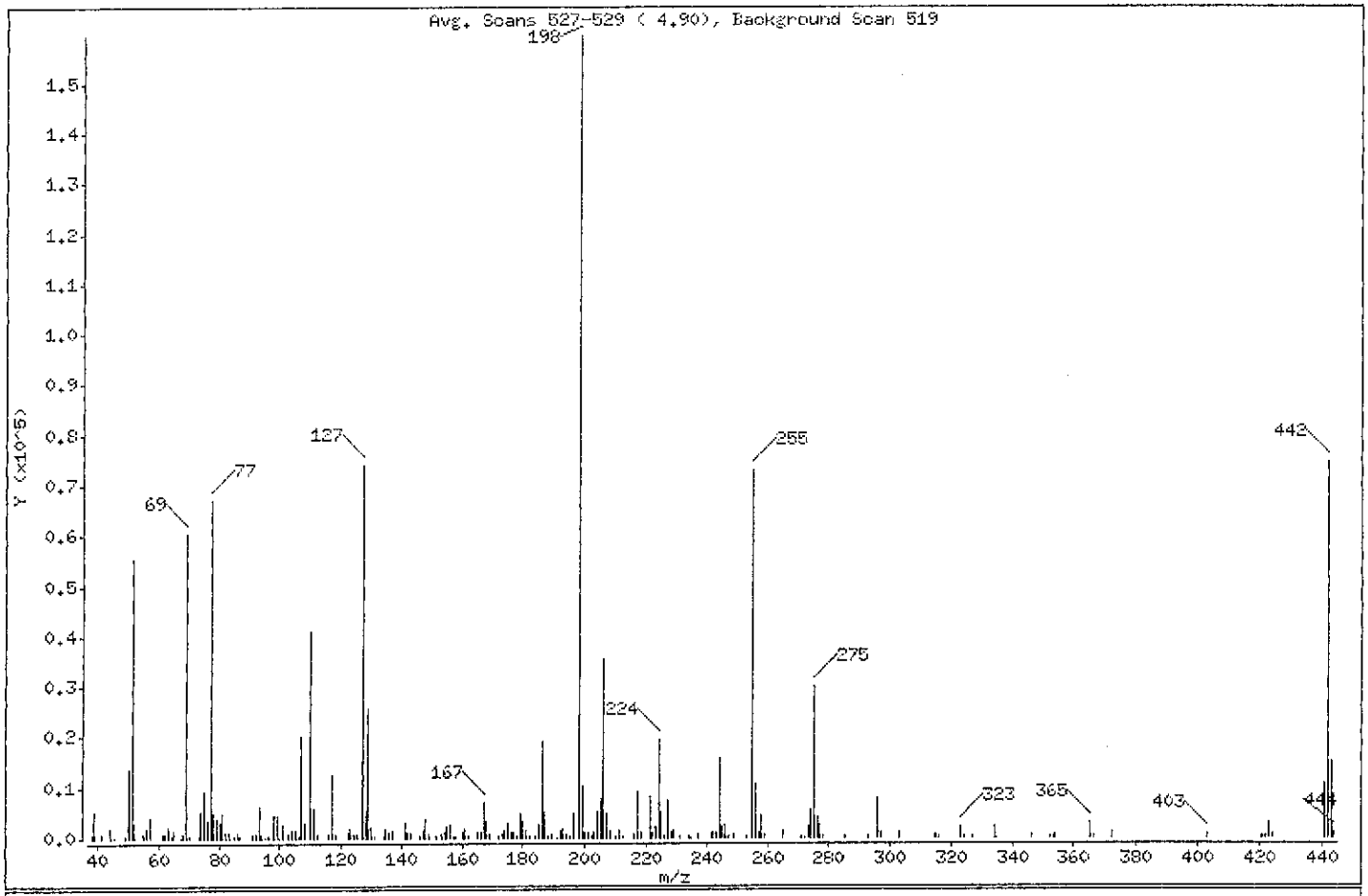
Sample Info: dftpp (25ug/ml) bna0464-10

Operator: 430261nc

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	34.80
68	Less than 2.00% of mass 69	0.41 (1.08)
69	Mass 69 relative abundance	37.90
70	Less than 2.00% of mass 69	0.24 (0.64)
127	40.00 - 60.00% of mass 198	46.46
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.50
275	10.00 - 30.00% of mass 198	18.77
365	Greater than 1.00% of mass 198	1.73
441	Present, but less than mass 443	6.76
442	40.00 - 99.00% of mass 198	46.68
443	17.00 - 23.00% of mass 442	9.34 (20.01)

Date : 08-NOV-2010 12:52

Client ID: Instrument: 732.i

Sample Info: dftpp (25ug/ml) bna0464-10

Operator: 430261mc

Column phase: Column diameter: 2.00

Data File: D1108DF1.D
Spectrum: Avg. Scans 527-529 (4.90), Background Scan 519
Location of Maximum: 198.00
Number of points: 195

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	770	107.00	20176	178.00	388	244.00	15812
39.00	5157	108.00	3051	179.00	4611	245.00	2117
41.00	632	110.00	41072	180.00	3378	246.00	2468
44.00	1827	111.00	5853	181.00	1528	247.00	372
45.00	172	112.00	726	182.00	394	249.00	697
49.00	378	116.00	818	184.00	437	253.00	370
50.00	13609	117.00	12610	185.00	2490	255.00	72896
51.00	55480	118.00	815	186.00	19160	256.00	10537
52.00	2978	122.00	1238	187.00	5063	257.00	920
55.00	684	123.00	1763	188.00	420	258.00	4231
56.00	1717	124.00	870	189.00	848	259.00	576
57.00	3940	125.00	880	191.00	174	265.00	1582
61.00	757	127.00	74064	192.00	1514	271.00	214
62.00	784	128.00	5574	193.00	1971	272.00	179
63.00	2297	129.00	25792	194.00	686	273.00	2240
64.00	202	130.00	2263	195.00	381	274.00	5624
65.00	1361	131.00	185	196.00	4843	275.00	29920
67.00	183	134.00	360	198.00	159424	276.00	4105
68.00	650	135.00	1759	199.00	10370	277.00	2389
69.00	60424	136.00	976	200.00	977	278.00	350
70.00	385	137.00	1283	201.00	1007	285.00	247
73.00	421	141.00	2948	202.00	251	293.00	403
74.00	5098	142.00	1057	203.00	934	296.00	7620
75.00	9039	143.00	956	204.00	5045	297.00	997
76.00	3159	146.00	449	205.00	7610	303.00	958
77.00	66968	147.00	1536	206.00	35544	315.00	784
78.00	4805	148.00	3573	207.00	4650	316.00	243
79.00	3664	149.00	805	208.00	1371	323.00	2261
80.00	3019	151.00	203	210.00	262	324.00	192
81.00	4631	153.00	798	211.00	1624	327.00	517
82.00	1170	154.00	1089	212.00	187	334.00	2029
83.00	1250	155.00	2054	216.00	710	335.00	180
85.00	479	156.00	2514	217.00	9171	346.00	668
86.00	1194	157.00	416	218.00	1183	352.00	292
87.00	198	158.00	240	221.00	8091	353.00	199

Data File: \\PITSVR06\D\chem\732.i\d110810.b\D1108DF1.D

Date : 08-NOV-2010 12:52

Client ID:

Instrument: 732.i

Sample Info: dftpp (25ug/ml) bna0464-10

Operator: 430261nc

Column phase:

Column diameter: 2.00

Data File: D1108DF1.D
Spectrum: Avg. Scans 527-529 (4.90), Background Scan 519
Location of Maximum: 198.00
Number of points: 195

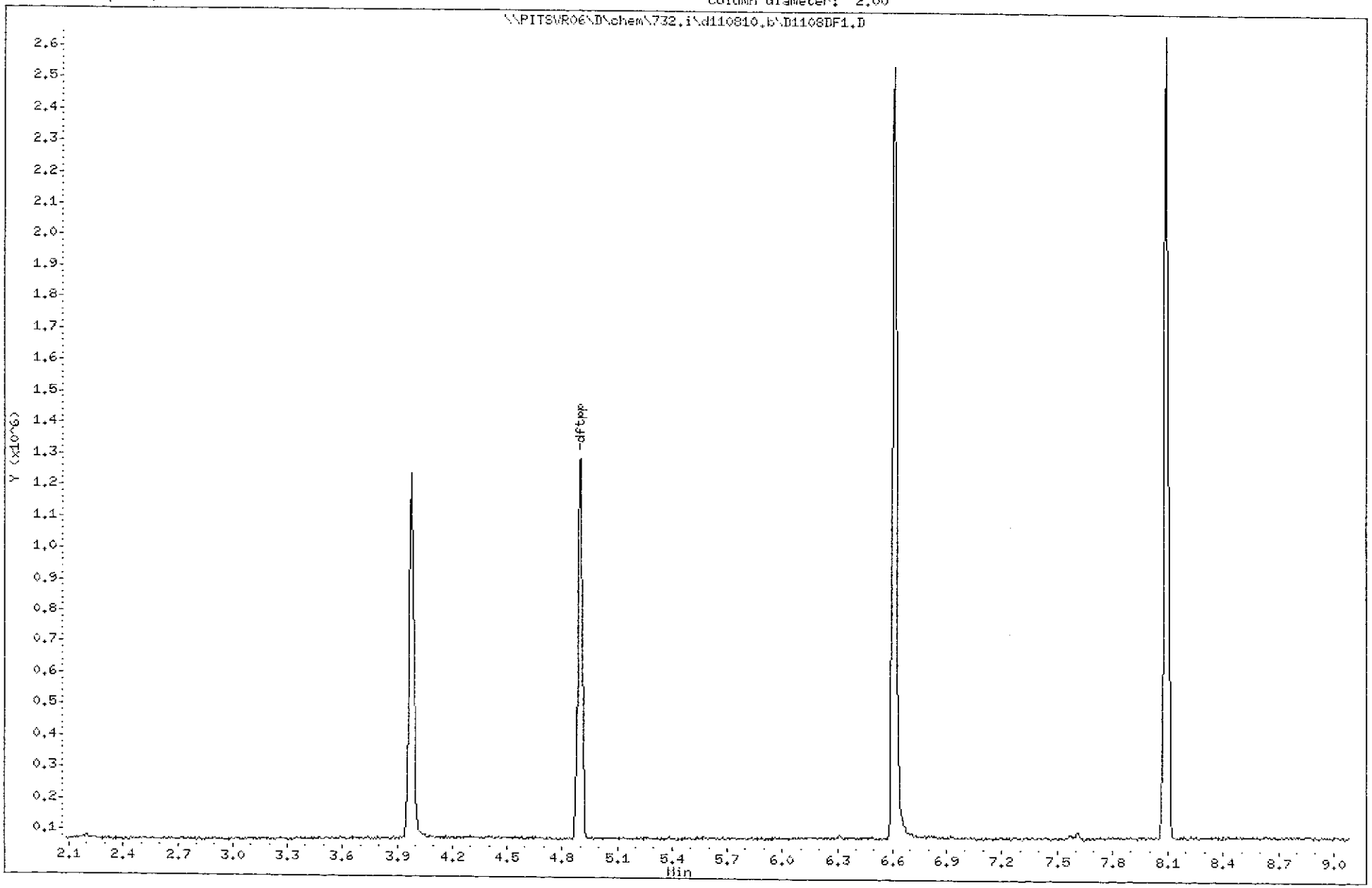
m/z	Y	m/z	Y	m/z	Y	m/z	Y
91.00	864	160.00	1121	222.00	1215	354.00	672
92.00	891	161.00	1696	223.00	2247	365.00	2760
93.00	6235	162.00	187	224.00	19296	366.00	214
94.00	576	165.00	1075	225.00	5032	372.00	1208
95.00	175	166.00	963	226.00	197	403.00	677
96.00	248	167.00	7140	227.00	7293	421.00	377
98.00	4473	168.00	3376	228.00	972	422.00	375
99.00	4358	169.00	607	229.00	1329	423.00	3010
100.00	172	172.00	390	231.00	528	424.00	806
101.00	2529	173.00	754	234.00	201	441.00	10785
103.00	637	174.00	1442	235.00	169	442.00	74416
104.00	1440	175.00	2855	237.00	680	443.00	14891
105.00	1582	176.00	1033	242.00	1191	444.00	1267
106.00	191	177.00	1237	243.00	975		

Data File: \\PITSVR06\D\chem\732.i\d110810.b\D1108DF1.D
Date : 08-NOV-2010 12:52
Client ID:
Sample Info: dftpp (25ug/ml) bma0464-10

Column phase:

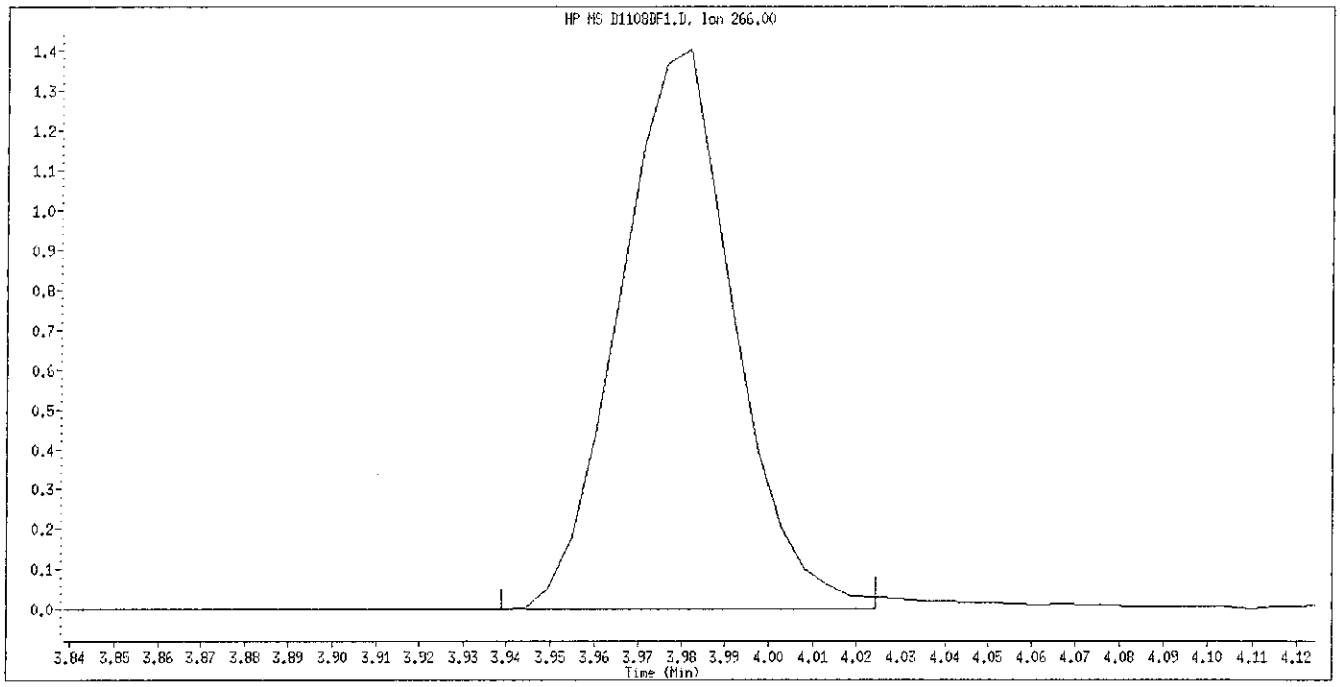
Instrument: 732.i

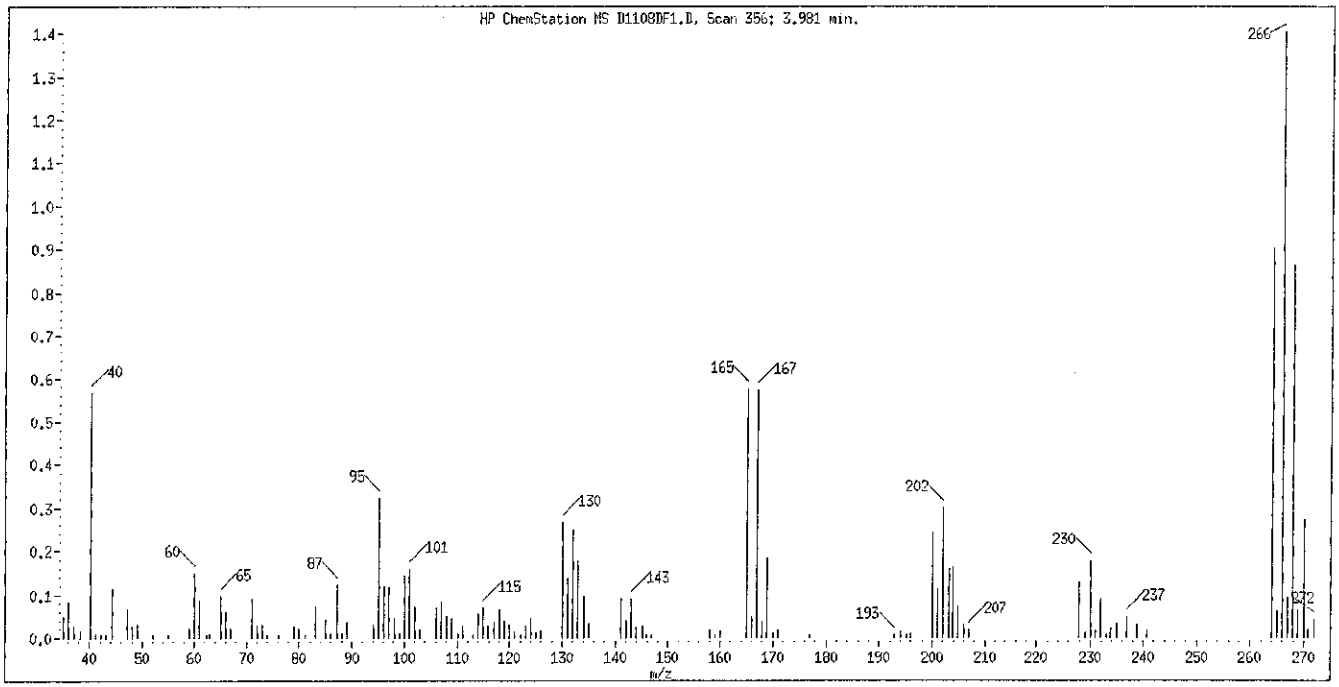
Operator: 430261nc
Column diameter: 2.00



(1001 - 1489)
1444
C0K030562

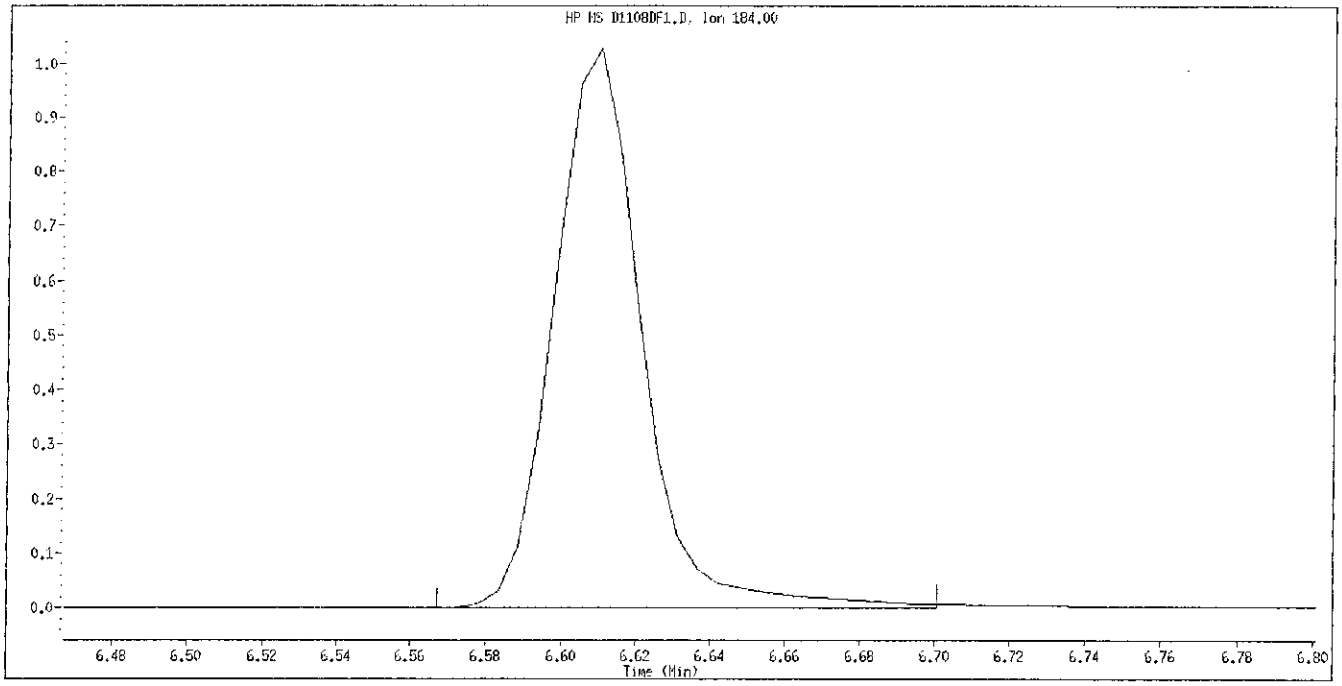
Data File: D1108DF1.D
Inj Date: 08-NOV-2010 12:52
Instrument ID: 732.i
Compound Name: Pentachlorophenol
Operator Name: 430261nc
Report Date: 11/08/2010

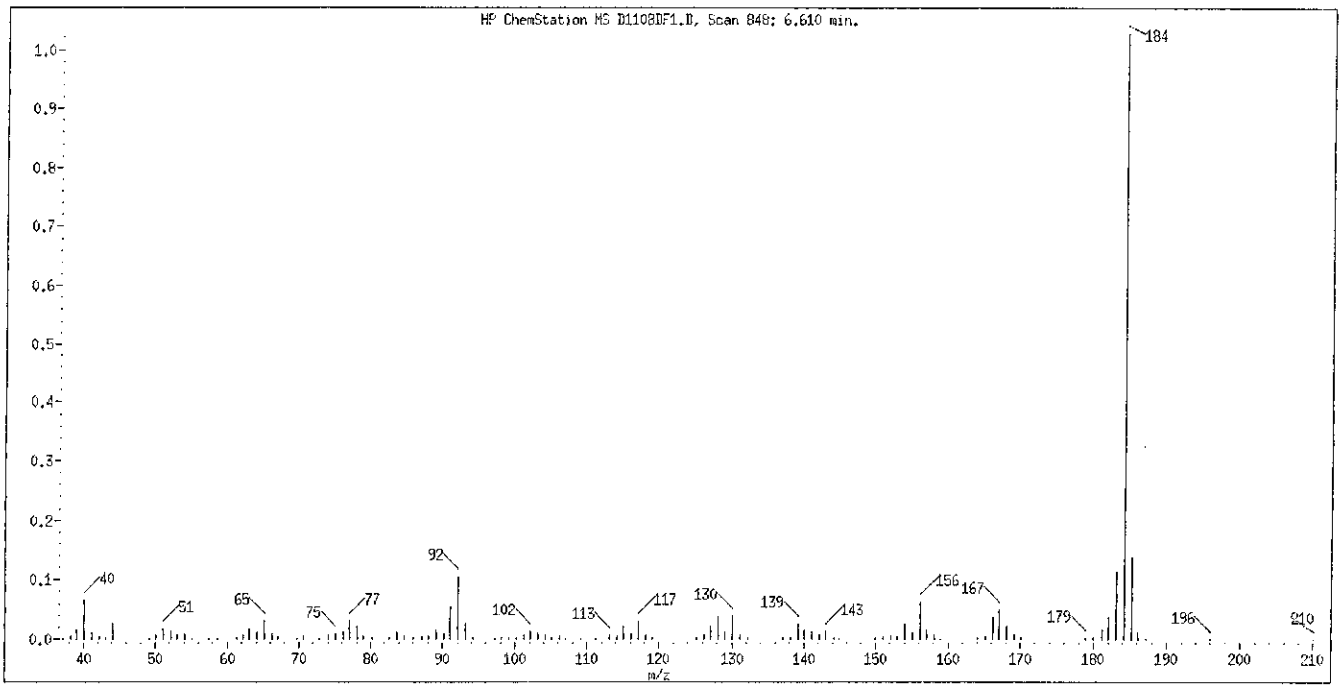




Tailing Factor = 0.866 Good
Acceptance Criteria 0 - 5
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 3.953056 T2 = 3.981483 T3 = 4.00609

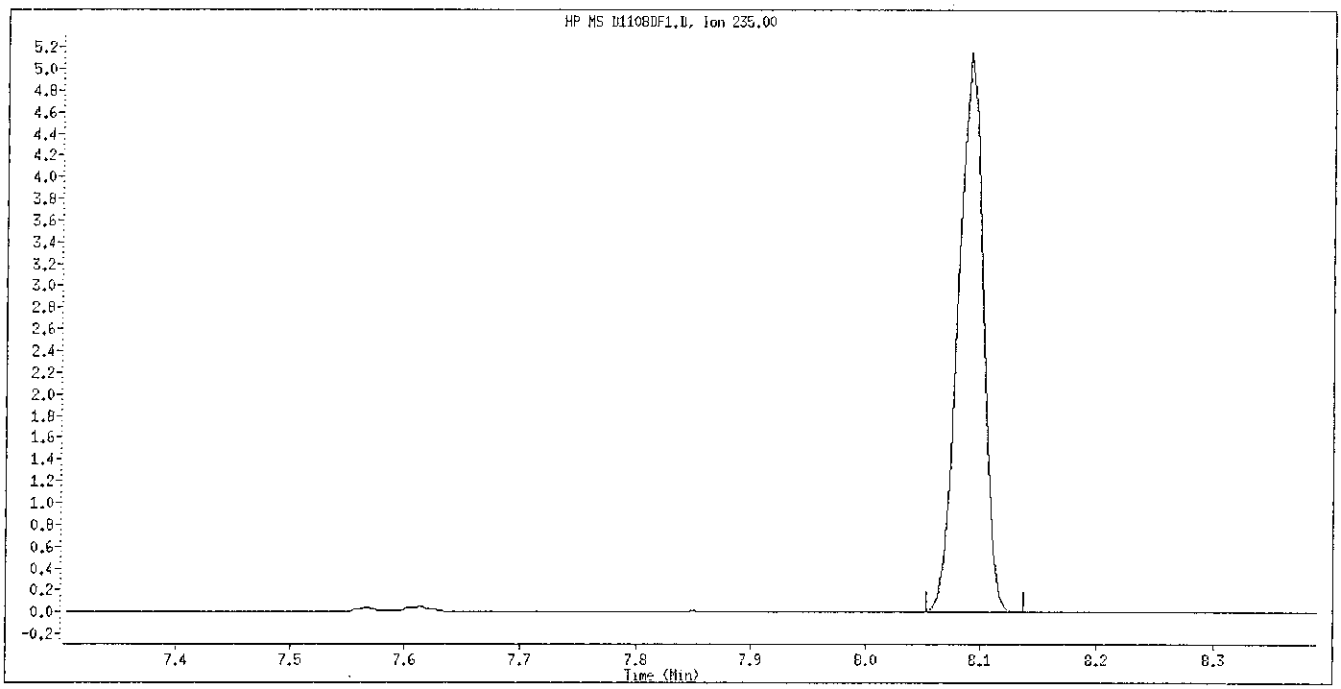
Data File: D1108DF1.D
Inj Date: 08-NOV-2010 12:52
Instrument ID: 732.i
Compound Name: Benzidine
Operator Name: 43026lnc
Report Date: 11/08/2010





Tailing Factor = 1.09 Good
Acceptance Criteria 0 - 3
Tailing Factor = (T3 - T2) / (T2 - T1)
T1 = 6.587838 T2 = 6.609867 T3 = 6.633782

Data File: D1108DF1.D
Inj Date: 08-NOV-2010 12:52
Instrument ID: 732.i
Compound Name: 4,4'-DDT
Operator Name: 430261nc
Report Date: 11/08/2010



Degradation = 0.73% Good
Acceptance Criteria 0 - 20 %
DDT Area = 782861
DDE Area = 0
DDD Area = 5758

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C0K030562 **Work Order #...:** L9HV81AA **Matrix.....:** SOLID
MB Lot-Sample #: C0K040000-035

Prep Date.....: 11/04/10 **Analysis Time..:** 13:31
Analysis Date..: 11/04/10 **Prep Batch #...:** 0308035 **Final Wgt/Vol..:** 0.5 mL
Dilution Factor: 0.5 **Initial Wgt/Vol:** 30 g **Instrument ID..:** 732
Analyst ID.....: 430261

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	3.4	ug/kg	SW846 8270C
Acenaphthylene	ND	3.4	ug/kg	SW846 8270C
Acetophenone	ND	16	ug/kg	SW846 8270C
Anthracene	ND	3.4	ug/kg	SW846 8270C
Atrazine	ND	16	ug/kg	SW846 8270C
Benzo(a)anthracene	ND	3.4	ug/kg	SW846 8270C
Benzo(a)pyrene	ND	3.4	ug/kg	SW846 8270C
Benzo(b)fluoranthene	ND	3.4	ug/kg	SW846 8270C
Benzo(ghi)perylene	ND	3.4	ug/kg	SW846 8270C
Benzo(k)fluoranthene	ND	3.4	ug/kg	SW846 8270C
Benzaldehyde	ND	16	ug/kg	SW846 8270C
1,1'-Biphenyl	ND	16	ug/kg	SW846 8270C
bis(2-Chloroethoxy) methane	ND	16	ug/kg	SW846 8270C
bis(2-Chloroethyl)-ether	ND	3.4	ug/kg	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	16	ug/kg	SW846 8270C
4-Bromophenyl phenyl ether	ND	16	ug/kg	SW846 8270C
Butyl benzyl phthalate	ND	16	ug/kg	SW846 8270C
Caprolactam	ND	85	ug/kg	SW846 8270C
Carbazole	ND	3.4	ug/kg	SW846 8270C
4-Chloroaniline	ND	16	ug/kg	SW846 8270C
4-Chloro-3-methylphenol	ND	16	ug/kg	SW846 8270C
2-Chloronaphthalene	ND	3.4	ug/kg	SW846 8270C
2-Chlorophenol	ND	16	ug/kg	SW846 8270C
4-Chlorophenyl phenyl ether	ND	16	ug/kg	SW846 8270C
Chrysene	ND	3.4	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	ND	3.4	ug/kg	SW846 8270C
Dibenzofuran	ND	16	ug/kg	SW846 8270C
3,3'-Dichlorobenzidine	ND	16	ug/kg	SW846 8270C
2,4-Dichlorophenol	ND	3.4	ug/kg	SW846 8270C
Diethyl phthalate	ND	16	ug/kg	SW846 8270C
2,4-Dimethylphenol	ND	16	ug/kg	SW846 8270C
Dimethyl phthalate	ND	16	ug/kg	SW846 8270C
Di-n-butyl phthalate	ND	16	ug/kg	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	85	ug/kg	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C0K030562 **Work Order #...:** L9HV81AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-Dinitrophenol	ND	85	ug/kg	SW846 8270C
2,4-Dinitrotoluene	ND	16	ug/kg	SW846 8270C
2,6-Dinitrotoluene	ND	16	ug/kg	SW846 8270C
Di-n-octyl phthalate	ND	16	ug/kg	SW846 8270C
Fluoranthene	ND	3.4	ug/kg	SW846 8270C
Fluorene	ND	3.4	ug/kg	SW846 8270C
Hexachlorobenzene	ND	3.4	ug/kg	SW846 8270C
Hexachlorobutadiene	ND	3.4	ug/kg	SW846 8270C
Hexachlorocyclopenta-diene	ND	16	ug/kg	SW846 8270C
Hexachloroethane	ND	16	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	3.4	ug/kg	SW846 8270C
Isophorone	ND	16	ug/kg	SW846 8270C
2-Methylnaphthalene	ND	3.4	ug/kg	SW846 8270C
2-Methylphenol	ND	16	ug/kg	SW846 8270C
4-Methylphenol	ND	16	ug/kg	SW846 8270C
Naphthalene	ND	3.4	ug/kg	SW846 8270C
2-Nitroaniline	ND	85	ug/kg	SW846 8270C
3-Nitroaniline	ND	85	ug/kg	SW846 8270C
4-Nitroaniline	ND	85	ug/kg	SW846 8270C
Nitrobenzene	ND	3.4	ug/kg	SW846 8270C
2-Nitrophenol	ND	16	ug/kg	SW846 8270C
4-Nitrophenol	ND	85	ug/kg	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	3.4	ug/kg	SW846 8270C
N-Nitrosodiphenylamine	ND	3.4	ug/kg	SW846 8270C
2,2'-oxybis (1-Chloropropane)	ND	3.4	ug/kg	SW846 8270C
Pentachlorophenol	ND	16	ug/kg	SW846 8270C
Phenanthrene	ND	3.4	ug/kg	SW846 8270C
Phenol	ND	3.4	ug/kg	SW846 8270C
Pyrene	ND	3.4	ug/kg	SW846 8270C
2,4,5-Trichloro-phenol	ND	16	ug/kg	SW846 8270C
2,4,6-Trichloro-phenol	ND	16	ug/kg	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	71	(27 - 110)
Terphenyl-d14	66	(21 - 130)
2-Fluorobiphenyl	58	(28 - 108)
2-Fluorophenol	70	(28 - 107)
Phenol-d5	72	(30 - 112)
2,4,6-Tribromophenol	54	(21 - 116)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

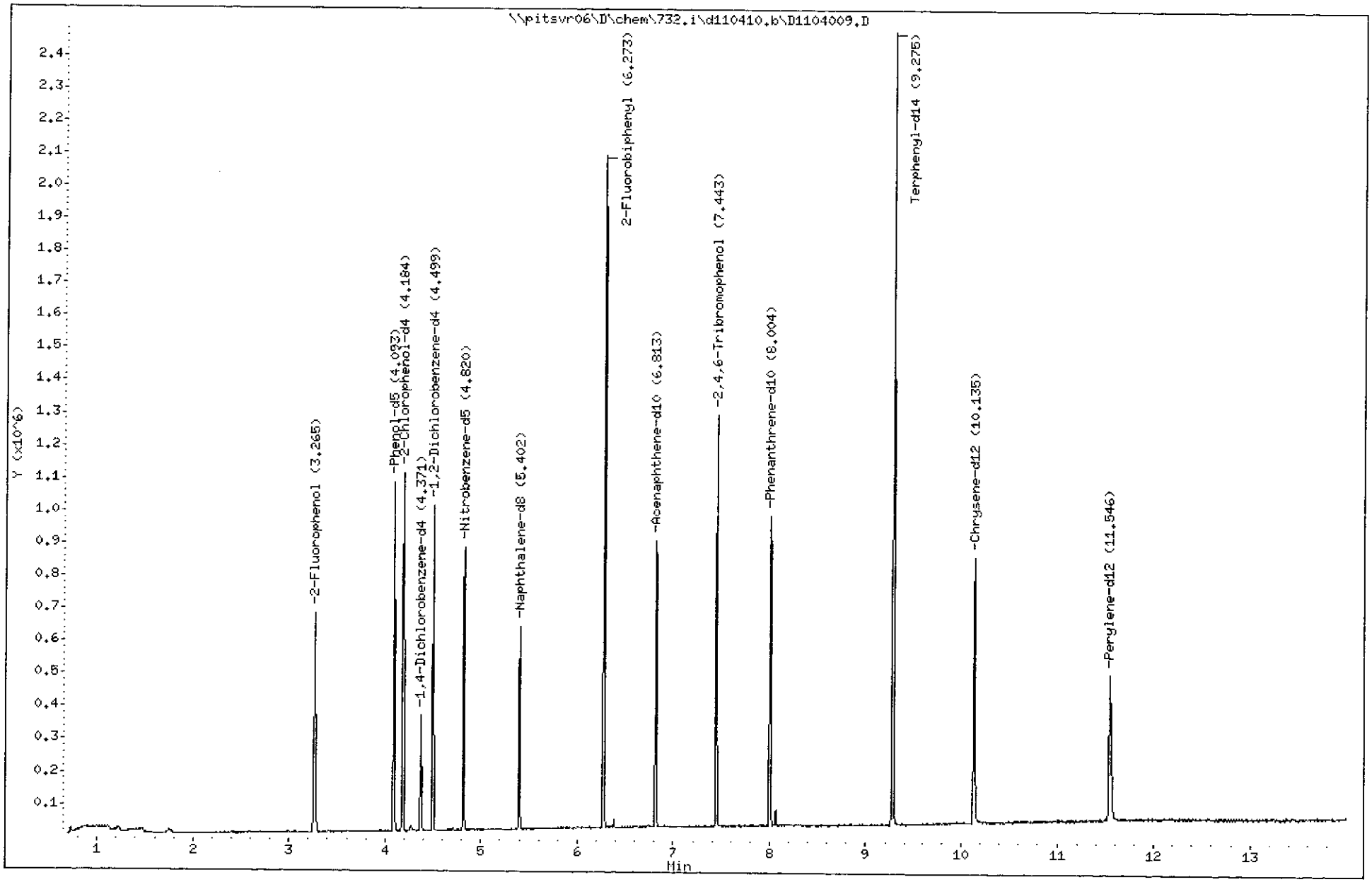
Client Lot #...: C0K030562 Work Order #...: L9HV81AA Matrix.....: SOLID

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104009.D
Date : 04-NOV-2010 13:31
Client ID: INTRA-LAB BLANK
Sample Info: c0k030562-blk 11/04/10 sedS42(0308035)
Volume Injected (uL): 2.0
Column phase: DB5-MS

Instrument: 732.i
Operator: 430261nc
Column diameter: 0.32



C0K030562 1451 (1001 - 1489)

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d110810.b\D1108025.D
Lab Smp Id: L9HH31A8 Client Smp ID: 20100836 RSD10-01
Inj Date : 08-NOV-2010 16:24
Operator : 430261nc Inst ID: 732.i
Smp Info : C0K030562-001msd 10x 11/04/10 sedS42(0308035)
Misc Info : l9hh31a8,d110810.b,ll.m,3-root.sub
Comment :
Method : \\pitsvr06\D\chem\732.i\d110810.b\ll.m
Meth Date : 08-Nov-2010 17:47 732.i Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 27 QC Sample: MSD
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws)*1 * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)
* 1	1,4-Dichlorobenzene-d4	152	4.365	4.365	(1.000)	55286	8.00000	
* 2	Naphthalene-d8	136	5.391	5.391	(1.000)	276897	8.00000	
* 3	Acenaphthene-d10	164	6.796	6.796	(1.000)	221180	8.00000	
* 4	Phenanthrene-d10	188	7.982	7.982	(1.000)	434345	8.00000	
* 5	Chrysene-d12	240	10.103	10.097	(1.000)	532255	8.00000	
* 6	Perylene-d12	264	11.497	11.486	(1.000)	567009	8.00000	
198	1,4-Dioxane	88	Compound Not Detected.					
10	N-Nitrosodimethylamine	74	1.368	1.384	(0.314)	6243	2.91646	243.04
9	Pyridine	79	1.422	1.438	(0.326)	9382	2.25798	188.16(QM)
16	Methyl methanesulfonate	80	Compound Not Detected.					
206	Benzaldehyde	77	Compound Not Detected.					
21	Aniline	93	4.093	4.098	(0.938)	12483	1.06197	88.498(Q)
22	Phenol	94	4.093	4.098	(0.938)	28555	2.78169	231.81
23	bis(2-Chloroethyl)ether	93	4.157	4.162	(0.952)	26946	3.52889	294.07(Q)
24	2-Chlorophenol	128	4.189	4.194	(0.960)	23310	2.61931	218.28
26	1,3-Dichlorobenzene	146	4.317	4.317	(0.989)	27143	2.46434	205.36
27	1,4-Dichlorobenzene	146	4.376	4.381	(1.002)	29459	2.61830	218.19
28	1,2-Dichlorobenzene	146	4.499	4.504	(1.031)	28982	2.63686	219.74
29	Benzyl Alcohol	108	4.478	4.483	(1.026)	15931	2.95849	246.54
217	Indene	116	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
30 2-Methylphenol	108	4.579	4.579	(1.049)	22729	2.70766	225.64
31 2,2'-oxybis(1-Chloropropane)	45	4.600	4.600	(1.054)	33769	3.09288	257.74
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	4.697	4.696	(1.076)	15429	2.85723	238.10
192 4-Methylphenol	108	4.707	4.702	(1.078)	48857	5.87814	489.84
34 Hexachloroethane	117	4.777	4.777	(1.094)	13559	2.68464	223.72
35 Nitrobenzene	77	4.820	4.825	(0.894)	27305	2.95094	245.91
41 Isophorone	82	5.017	5.022	(0.931)	45569	2.57362	214.47
42 2-Nitrophenol	139	5.081	5.081	(0.943)	15494	2.78628	232.19
43 2,4-Dimethylphenol	107	5.129	5.129	(0.951)	27646	2.76268	230.22
44 bis(2-Chloroethoxy)methane	93	5.204	5.204	(0.965)	33692	2.68748	223.96
48 2,4-Dichlorophenol	162	5.279	5.279	(0.979)	24454	2.47051	205.88
49 Benzoic Acid	122	5.156	5.177	(0.956)	7276	1.11099	92.583(M)
50 1,2,4-Trichlorobenzene	180	5.348	5.348	(0.992)	29884	2.54155	211.80
51 Naphthalene	128	5.407	5.407	(1.003)	90946	2.56416	213.68
52 4-Chloroaniline	127	5.455	5.450	(1.012)	28222	1.92810	160.67
54 2,6-Dichlorophenol	162	Compound Not Detected.					
56 Hexachlorobutadiene	225	5.525	5.519	(1.025)	17918	2.58851	215.71(Q)
208 Caprolactam	113	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	5.840	5.840	(1.083)	24841	2.52733	210.61
62 2-Methylnaphthalene	142	5.963	5.963	(1.106)	66539	2.67334	222.78
63 1-Methylnaphthalene	142	6.043	6.037	(1.121)	65120	2.62635	218.86
64 Hexachlorocyclopentadiene	237	6.102	6.096	(0.898)	3785	0.47271	39.392
65 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	6.192	6.187	(0.911)	20578	2.28531	190.44
67 2,4,5-Trichlorophenol	196	6.219	6.214	(0.915)	23189	2.41532	201.28
209 1,1'-Biphenyl	154	Compound Not Detected.					
70 2-Chloronaphthalene	162	6.353	6.347	(0.935)	67048	2.38653	198.88
73 2-Nitroaniline	65	6.428	6.427	(0.946)	18601	2.94050	245.04
76 Dimethylphthalate	163	6.577	6.577	(0.968)	67377	2.29060	190.88
78 2,6-Dinitrotoluene	165	6.620	6.620	(0.974)	17018	2.78006	231.67
79 Acenaphthylene	152	6.684	6.678	(0.983)	109551	2.40265	200.22(Q)
81 3-Nitroaniline	138	6.753	6.753	(0.994)	17124	2.16192	180.16
82 Acenaphthene	153	6.823	6.823	(1.004)	71224	2.50018	208.35
83 2,4-Dinitrophenol	184	6.839	6.833	(1.006)	4814	5.23211	436.01(Q)
85 4-Nitrophenol	109	6.887	6.881	(1.013)	8793	2.34255	195.21
86 Dibenzofuran	168	6.962	6.956	(1.024)	104524	2.41719	201.43
87 2,4-Dinitrotoluene	165	6.940	6.940	(1.021)	22164	2.50573	208.81
91 2,3,5,6-Tetrachlorophenol	232	7.026	7.026	(1.034)	20857	2.50854	209.04
88 2,3,4,6-Tetrachlorophenol	232	7.058	7.058	(1.039)	19479	2.28260	190.22
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	7.143	7.138	(1.051)	77722	2.40378	200.31
94 Fluorene	166	7.234	7.234	(1.064)	87360	2.31621	193.02
95 4-Chlorophenyl-phenylether	204	7.234	7.234	(1.064)	39386	2.12438	177.03
96 4-Nitroaniline	138	7.240	7.234	(1.065)	20753	2.76497	230.41
98 4,6-Dinitro-2-methylphenol	198	7.272	7.266	(0.911)	9816	1.66255	138.54(Q)
99 N-Nitrosodiphenylamine (1)	169	7.325	7.325	(0.918)	58261	2.41114	200.93
100 1,2-Diphenylhydrazine	77	7.357	7.357	(0.922)	87740	2.31821	193.18
106 4-Bromophenyl-phenylether	248	7.624	7.624	(0.955)	23561	2.31484	192.90
107 Hexachlorobenzene	284	7.683	7.677	(0.963)	23942	2.12430	177.02
210 Atrazine	200	Compound Not Detected.					
111 Pentachlorophenol	266	7.838	7.832	(0.982)	13051	2.80731	233.94(Q)
115 Phenanthrene	178	8.003	7.998	(1.003)	140872	2.31829	193.19

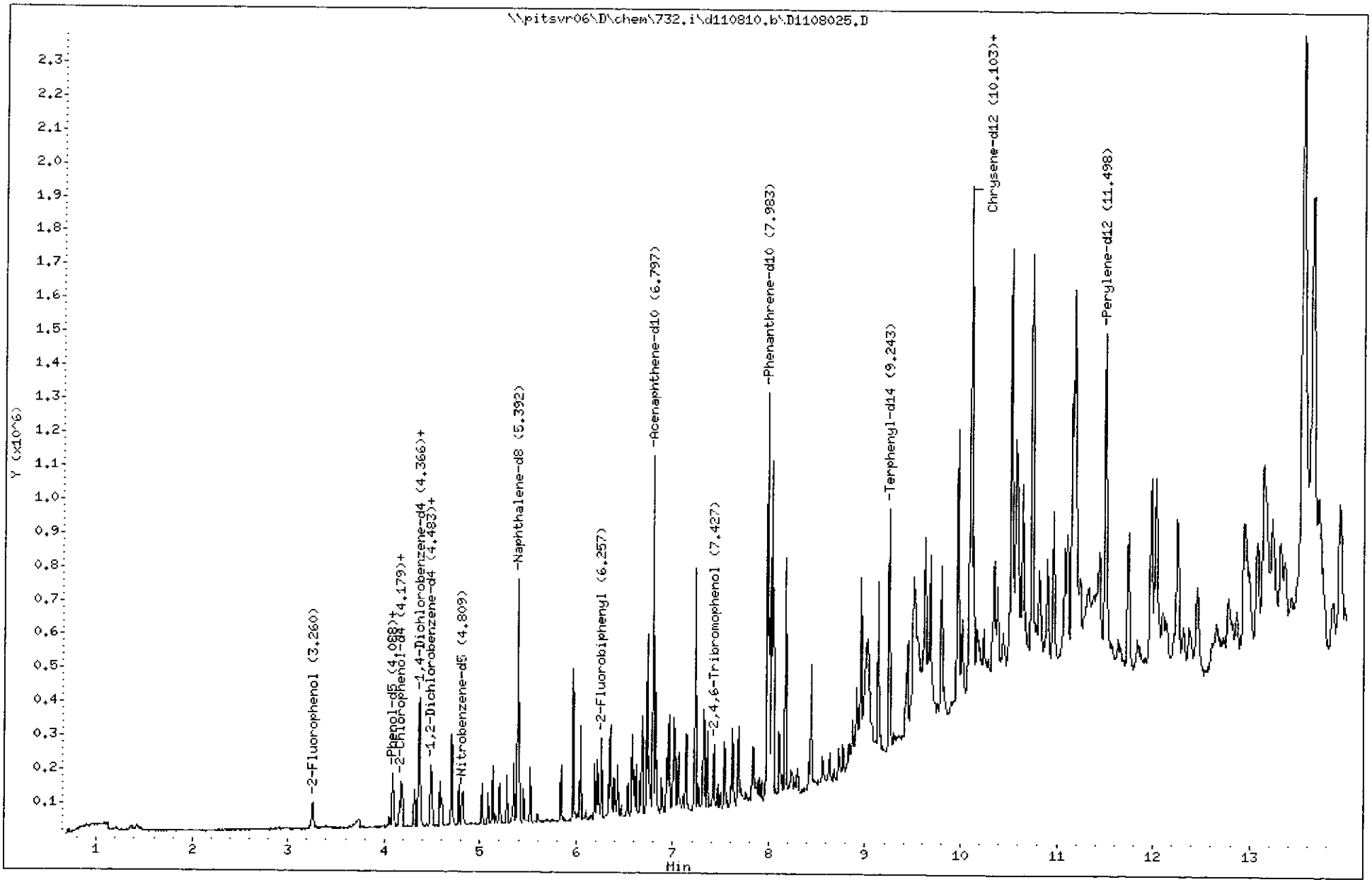
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
116 Anthracene	178	8.046	8.041	(1.008)	138281	2.32409	193.67
119 Carbazole	167	8.169	8.164	(1.023)	128632	2.28477	190.40(Q)
120 Di-n-Butylphthalate	149	8.442	8.436	(1.058)	162591	2.37371	197.81
123 Fluoranthene	202	8.954	8.949	(1.122)	175867	2.76026	230.02
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	9.136	9.131	(0.904)	179554	2.22506	185.42
131 Butylbenzylphthalate	149	9.628	9.627	(0.953)	92918	2.58300	215.25
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	10.092	10.087	(0.999)	161153	2.32618	193.85
137 Chrysene	228	10.124	10.119	(1.002)	161012	2.11503	176.25
139 bis(2-ethylhexyl)Phthalate	149	10.087	10.081	(0.998)	128588	2.76183	230.15
140 Di-n-octylphthalate	149	10.637	10.632	(0.925)	208640	3.54517	295.43
141 Benzo(b)fluoranthene	252	11.075	11.070	(0.963)	173920	2.04300	170.25
142 Benzo(k)fluoranthene	252	11.107	11.096	(0.966)	186729	2.01942	168.28
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	11.439	11.428	(0.995)	145851	2.69736	224.78
149 Indeno(1,2,3-cd)pyrene	276	12.934	12.913	(1.125)	218770	3.21128	267.61
150 Dibenz(a,h)anthracene	278	12.956	12.934	(1.127)	164219	3.06386	255.32
151 Benzo(g,h,i)perylene	276	13.367	13.335	(1.163)	196199	2.90690	242.24
$ 154 Nitrobenzene-d5	82	4.809	4.809	(0.892)	27247	2.88023	240.02
$ 155 2-Fluorobiphenyl	172	6.257	6.256	(0.921)	67737	2.29126	190.94
$ 156 Terphenyl-d14	244	9.254	9.248	(0.916)	103865	2.17906	181.59
$ 157 Phenol-d5	99	4.082	4.087	(0.935)	38940	4.39343	366.12
$ 158 2-Fluorophenol	112	3.260	3.270	(0.747)	25173	4.19811	349.84
$ 159 2,4,6-Tribromophenol	330	7.427	7.426	(0.930)	14252	3.11228	259.36
$ 186 2-Chlorophenol-d4	132	4.178	4.178	(0.957)	34299	3.99976	333.31
$ 187 1,2-Dichlorobenzene-d4	152	4.488	4.488	(1.028)	16562	2.48204	206.84

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

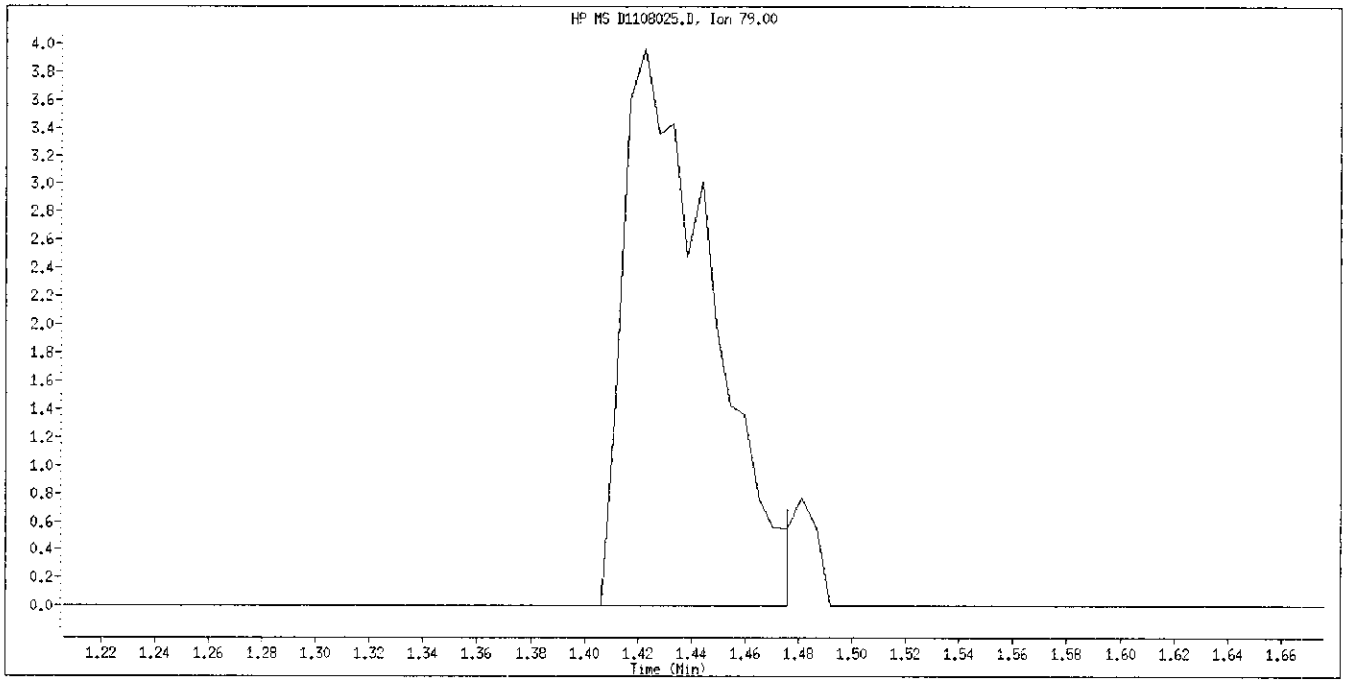
Data File: \\pitsvr06\D\chem\732.i\d110810.b\D1108025.D
Date : 08-NOV-2010 16:24
Client ID: 20100836 RSD10-01
Sample Info: C0K030562-001msd 10x 11/04/10 sedS42(0308035)
Volume Injected (uL): 2.0
Column phase: DB5-MS

Instrument: 732.i
Operator: 430261nc
Column diameter: 0.32

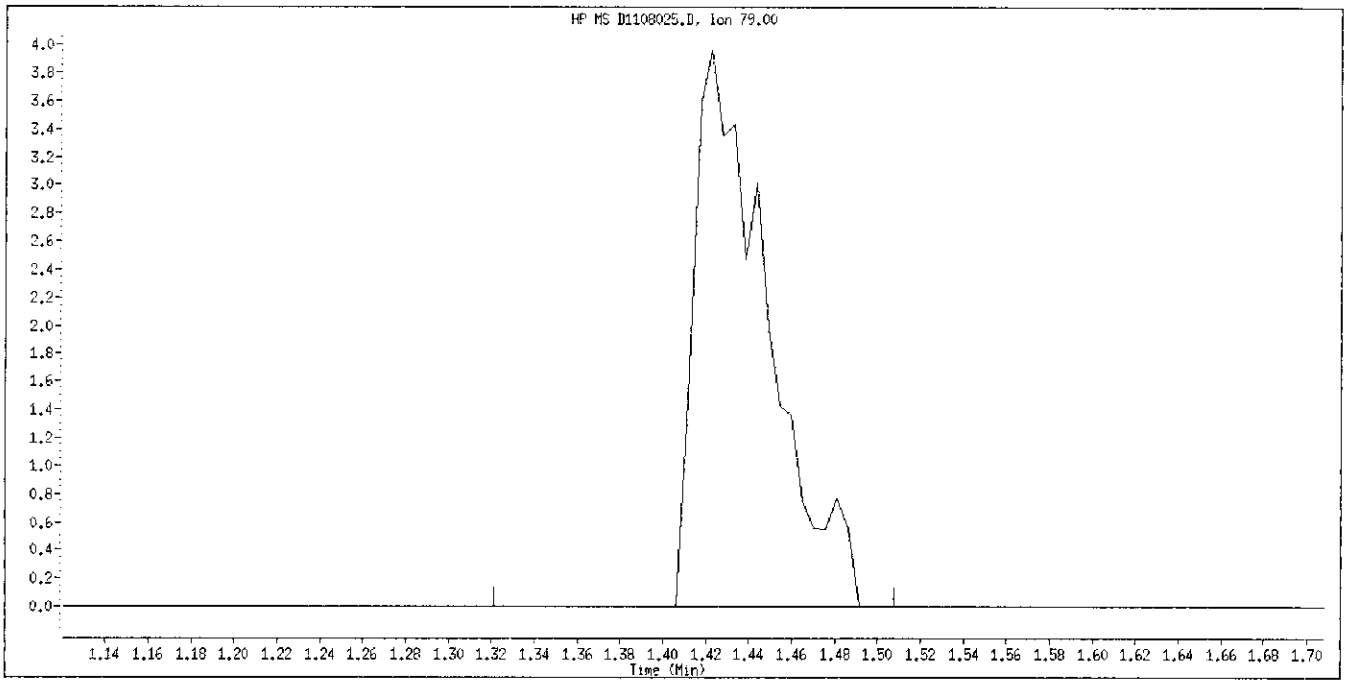


C0K030562 1455 (1001 - 1489)

Data File Name: D1108025.D
Inj. Date and Time: 08-NOV-2010 16:24
Instrument ID: 732.i
Client ID: 20100836 RSD10-01
Compound Name: Pyridine
CAS #: 110-86-1



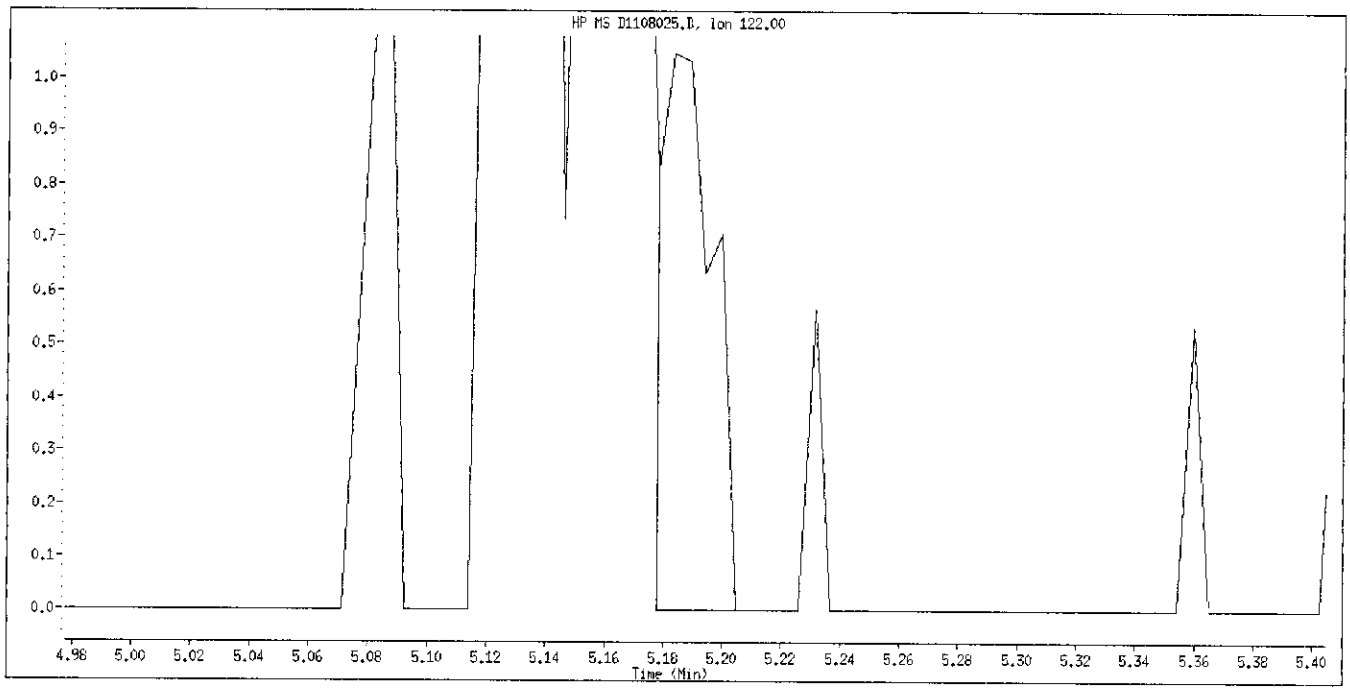
Original Integration



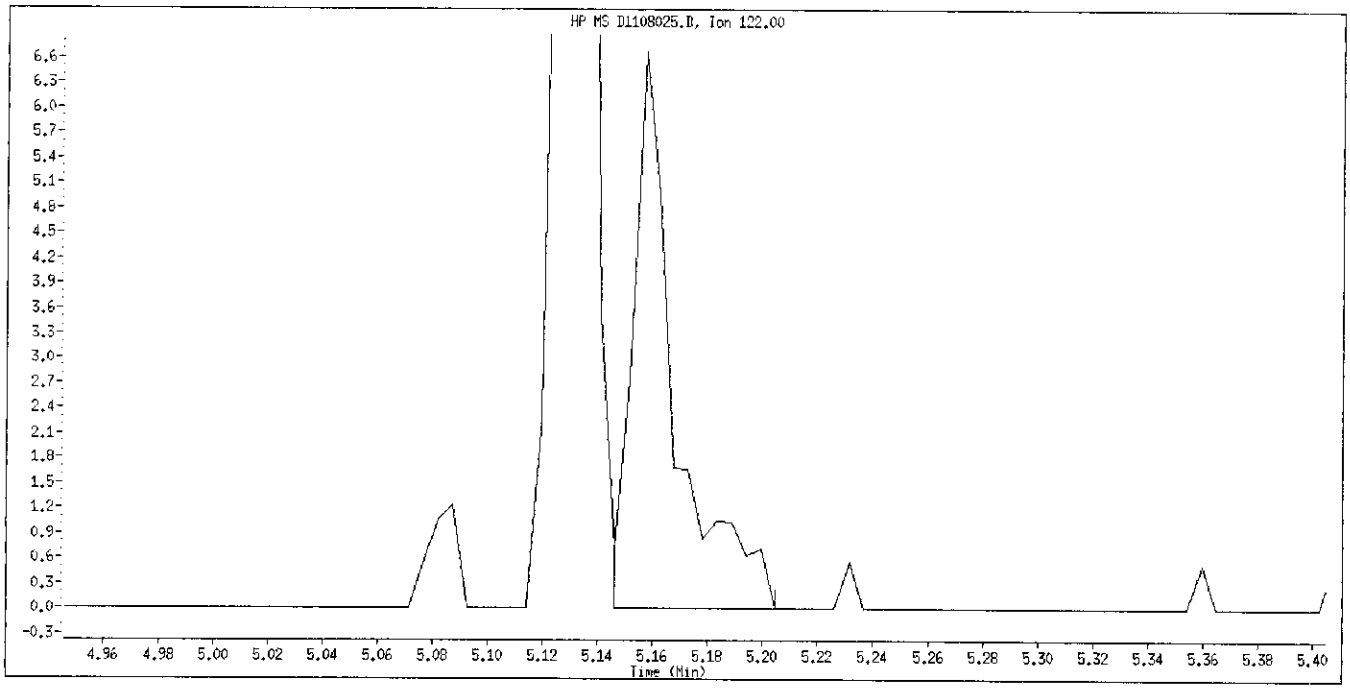
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1108025.D
Inj. Date and Time: 08-NOV-2010 16:24
Instrument ID: 732.i
Client ID: 20100836 RSD10-01
Compound Name: Benzoic Acid
CAS #: 65-85-0



Original Integration



Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d110410.b\D1104009.D
Lab Smp Id: l9hv81aa Client Smp ID: INTRA-LAB BLANK
Inj Date : 04-NOV-2010 13:31
Operator : 430261nc Inst ID: 732.i
Smp Info : c0k030562-blk 11/04/10 sedS42(0308035)
Misc Info : l9hv81aa,d110410.b,ll.m,3-root.sub
Comment :
Method : \\pitsvr06\D\chem\732.i\d110410.b\ll.m
Meth Date : 08-Nov-2010 18:58 campisin Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 11 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
* 1	1,4-Dichlorobenzene-d4	152	4.371	4.382	(1.000)	50911	8.00000	
* 2	Naphthalene-d8	136	5.402	5.407	(1.000)	250669	8.00000	
* 3	Acenaphthene-d10	164	6.812	6.823	(1.000)	196787	8.00000	
* 4	Phenanthrene-d10	188	8.003	8.014	(1.000)	359993	8.00000	
* 5	Chrysene-d12	240	10.135	10.140	(1.000)	329338	8.00000	
* 6	Perylene-d12	264	11.545	11.556	(1.000)	273772	8.00000	
198	1,4-Dioxane	88	Compound Not Detected.					
10	N-Nitrosodimethylamine	74	Compound Not Detected.					
9	Pyridine	79	Compound Not Detected.					
16	Methyl methanesulfonate	80	Compound Not Detected.					
206	Benzaldehyde	77	Compound Not Detected.					
21	Aniline	93	Compound Not Detected.					
22	Phenol	94	Compound Not Detected.					
23	bis(2-Chloroethyl)ether	93	Compound Not Detected.					
24	2-Chlorophenol	128	Compound Not Detected.					
26	1,3-Dichlorobenzene	146	Compound Not Detected.					
27	1,4-Dichlorobenzene	146	Compound Not Detected.					
28	1,2-Dichlorobenzene	146	Compound Not Detected.					
29	Benzyl Alcohol	108	Compound Not Detected.					
217	Indene	116	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
30	2-Methylphenol	108	Compound Not Detected.					
31	2,2'-oxybis(1-Chloropropane)	45	Compound Not Detected.					
36	N-Nitrosopyrrolidine	100	Compound Not Detected.					
37	Acetophenone	105	Compound Not Detected.					
32	N-Nitroso-di-n-propylamine	70	Compound Not Detected.					
192	4-Methylphenol	108	Compound Not Detected.					
34	Hexachloroethane	117	Compound Not Detected.					
35	Nitrobenzene	77	Compound Not Detected.					
41	Isophorone	82	Compound Not Detected.					
42	2-Nitrophenol	139	Compound Not Detected.					
43	2,4-Dimethylphenol	107	Compound Not Detected.					
44	bis(2-Chloroethoxy)methane	93	Compound Not Detected.					
48	2,4-Dichlorophenol	162	Compound Not Detected.					
49	Benzoic Acid	122	Compound Not Detected.					
50	1,2,4-Trichlorobenzene	180	Compound Not Detected.					
51	Naphthalene	128	Compound Not Detected.					
52	4-Chloroaniline	127	Compound Not Detected.					
54	2,6-Dichlorophenol	162	Compound Not Detected.					
56	Hexachlorobutadiene	224	Compound Not Detected.					
208	Caprolactam	113	Compound Not Detected.					
59	4-Chloro-3-Methylphenol	107	Compound Not Detected.					
62	2-Methylnaphthalene	142	Compound Not Detected.					
63	1-Methylnaphthalene	142	Compound Not Detected.					
64	Hexachlorocyclopentadiene	236	Compound Not Detected.					
65	1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66	2,4,6-Trichlorophenol	196	Compound Not Detected.					
67	2,4,5-Trichlorophenol	196	Compound Not Detected.					
209	1,1'-Biphenyl	154	Compound Not Detected.					
70	2-Chloronaphthalene	162	Compound Not Detected.					
73	2-Nitroaniline	65	Compound Not Detected.					
76	Dimethylphthalate	163	Compound Not Detected.					
78	2,6-Dinitrotoluene	165	Compound Not Detected.					
79	Acenaphthylene	152	Compound Not Detected.					
81	3-Nitroaniline	138	Compound Not Detected.					
82	Acenaphthene	153	Compound Not Detected.					
83	2,4-Dinitrophenol	184	Compound Not Detected.					
85	4-Nitrophenol	109	Compound Not Detected.					
86	Dibenzofuran	168	Compound Not Detected.					
87	2,4-Dinitrotoluene	165	Compound Not Detected.					
91	2,3,5,6-Tetrachlorophenol	231	Compound Not Detected.					
88	2,3,4,6-Tetrachlorophenol	231	Compound Not Detected.					
92	2-Naphthylamine	143	Compound Not Detected.					
93	Diethylphthalate	149	Compound Not Detected.					
94	Fluorene	166	Compound Not Detected.					
95	4-Chlorophenyl-phenylether	204	Compound Not Detected.					
96	4-Nitroaniline	138	Compound Not Detected.					
98	4,6-Dinitro-2-methylphenol	198	Compound Not Detected.					
99	N-Nitrosodiphenylamine (1)	169	Compound Not Detected.					
100	1,2-Diphenylhydrazine	77	Compound Not Detected.					
106	4-Bromophenyl-phenylether	248	Compound Not Detected.					
107	Hexachlorobenzene	283	Compound Not Detected.					
210	Atrazine	200	Compound Not Detected.					
111	Pentachlorophenol	265	Compound Not Detected.					
115	Phenanthrene	178	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
116 Anthracene	178	Compound Not Detected.					
119 Carbazole	167	Compound Not Detected.					
120 Di-n-Butylphthalate	149	Compound Not Detected.					
123 Fluoranthene	202	Compound Not Detected.					
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	Compound Not Detected.					
131 Butylbenzylphthalate	149	Compound Not Detected.					
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	Compound Not Detected.					
137 Chrysene	228	Compound Not Detected.					
139 bis(2-ethylhexyl)Phthalate	149	Compound Not Detected.					
140 Di-n-octylphthalate	149	Compound Not Detected.					
141 Benzo(b)fluoranthene	252	Compound Not Detected.					
142 Benzo(k)fluoranthene	252	Compound Not Detected.					
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	Compound Not Detected.					
149 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.					
150 Dibenz(a,h)anthracene	278	Compound Not Detected.					
151 Benzo(g,h,i)perylene	276	Compound Not Detected.					
$ 154 Nitrobenzene-d5	82	4.819	4.825	(0.892)	243400	28.4215	236.84(A)
$ 155 2-Fluorobiphenyl	172	6.272	6.283	(0.921)	605218	23.0097	191.75(A)
$ 156 Terphenyl-d14	244	9.275	9.280	(0.915)	780459	26.4623	220.52(A)
$ 157 Phenol-d5	99	4.093	4.098	(0.936)	351583	43.0764	358.97(A)
$ 158 2-Fluorophenol	112	3.265	3.281	(0.747)	230269	41.7021	347.52(A)
$ 159 2,4,6-Tribromophenol	330	7.448	7.453	(0.931)	123678	32.5864	271.55(A)
$ 186 2-Chlorophenol-d4	132	4.184	4.195	(0.957)	305863	38.7332	322.78(A)
$ 187 1,2-Dichlorobenzene-d4	152	4.499	4.504	(1.029)	150161	24.4375	203.64(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...:	C0K030562	**Work Order #...:**	L9HV81AC	**Matrix.....:**	SOLID
LCS Lot-Sample#:	C0K040000-035				
Prep Date.....:	11/04/10	**Analysis Date..:**	11/04/10		
Prep Batch #...:	0308035	**Analysis Time..:**	15:09		
Dilution Factor:	0.5	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	0.5 mL
Analyst ID.....:	430261	**Instrument ID..:**	732		

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	**79**	**(42 - 104)**	**SW846 8270C**
1,4-Dichlorobenzene	**87**	**(41 - 101)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**84**	**(41 - 105)**	**SW846 8270C**
4-Bromophenyl phenyl ether	**86**	**(43 - 111)**	**SW846 8270C**
Butyl benzyl phthalate	**94**	**(40 - 117)**	**SW846 8270C**
4-Chloro-3-methylphenol	**82**	**(43 - 110)**	**SW846 8270C**
2-Chlorophenol	**86**	**(40 - 105)**	**SW846 8270C**
2,4-Dinitrotoluene	**90**	**(48 - 118)**	**SW846 8270C**
Hexachloroethane	**89**	**(40 - 102)**	**SW846 8270C**
4-Methylphenol	**81**	**(43 - 107)**	**SW846 8270C**
Naphthalene	**80**	**(42 - 104)**	**SW846 8270C**
4-Nitrophenol	**97**	**(27 - 131)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**90**	**(42 - 108)**	**SW846 8270C**
Pentachlorophenol	**87**	**(18 - 125)**	**SW846 8270C**
Phenol	**85**	**(39 - 105)**	**SW846 8270C**
Pyrene	**90**	**(39 - 113)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	98	(27 - 110)
Terphenyl-d14	95	(21 - 130)
2-Fluorobiphenyl	81	(28 - 108)
2-Fluorophenol	98	(28 - 107)
Phenol-d5	89	(30 - 112)
2,4,6-Tribromophenol	83	(21 - 116)

NOTE(S):

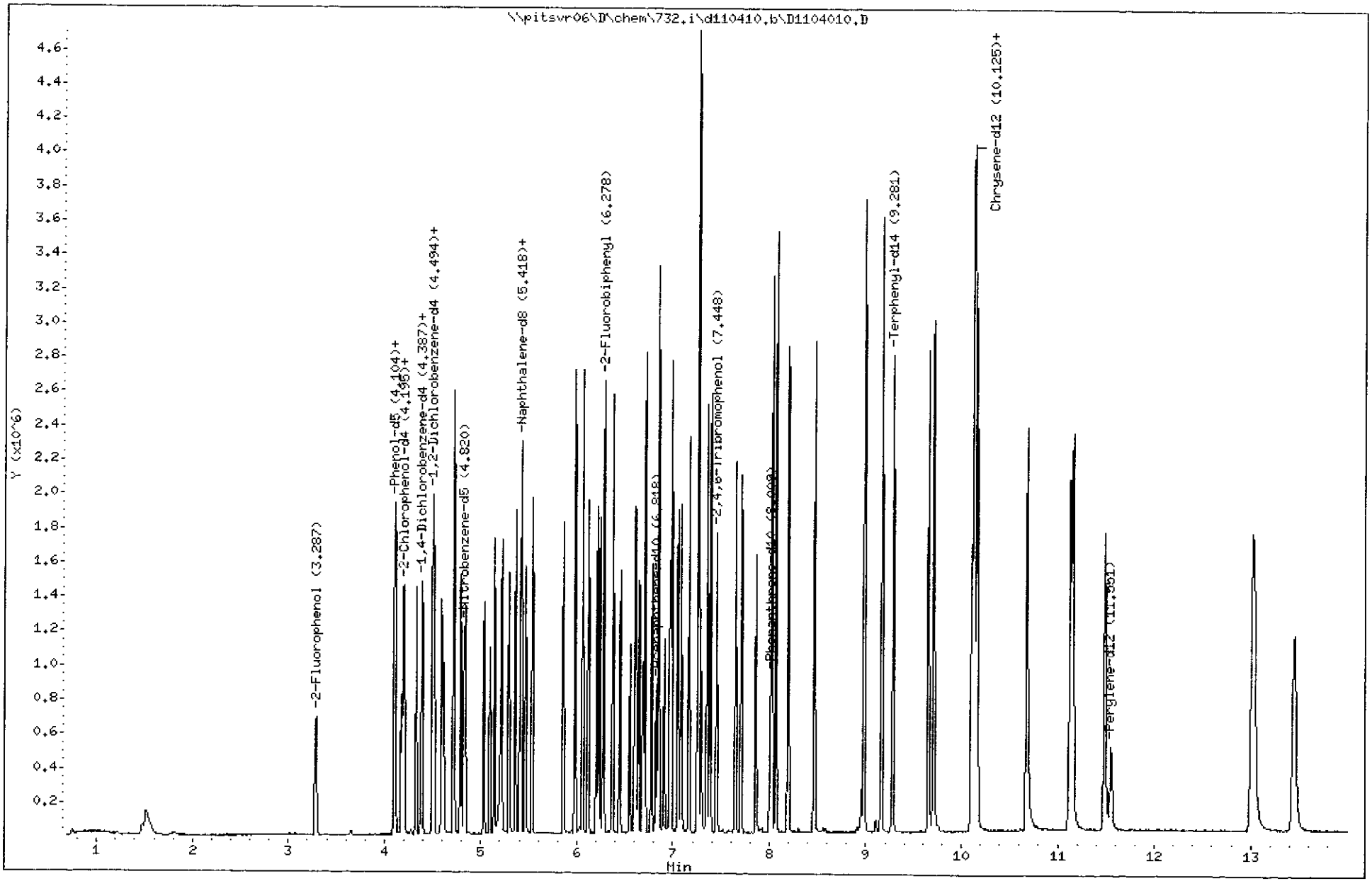
Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104010.D
Date : 04-NOV-2010 15:09
Client ID: INTRA-LAB CHECK
Sample Info: c0k030562-lcs 11/04/10 sedS42(0308035)
Volume Injected (uL): 2.0
Column phase: DB5-MS

Instrument: 732.i

Operator: 430261nc
Column diameter: 0.32



C0K030562 1462 (1001 - 1489)

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d110410.b\D1104010.D
Lab Smp Id: l9hv81ac Client Smp ID: INTRA-LAB CHECK
Inj Date : 04-NOV-2010 15:09
Operator : 430261nc Inst ID: 732.i
Smp Info : c0k030562-lcs 11/04/10 sedS42(0308035)
Misc Info : l9hv81ac,d110410.b,ll.m,3-root.sub
Comment :
Method : \\pitsvr06\D\chem\732.i\d110410.b\ll.m
Meth Date : 08-Nov-2010 18:58 campisin Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 12 QC Sample: METHOD SPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws)*1 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
* 1	1,4-Dichlorobenzene-d4	152	4.376	4.382	(1.000)	49797	8.00000	(Q)
* 2	Naphthalene-d8	136	5.402	5.407	(1.000)	245708	8.00000	
* 3	Acenaphthene-d10	164	6.817	6.823	(1.000)	181160	8.00000	
* 4	Phenanthrene-d10	188	8.009	8.014	(1.000)	316173	8.00000	
* 5	Chrysene-d12	240	10.135	10.140	(1.000)	290691	8.00000	
* 6	Perylene-d12	264	11.551	11.556	(1.000)	276653	8.00000	
198	1,4-Dioxane	88	Compound Not Detected.					
10	N-Nitrosodimethylamine	74	1.486	1.417	(0.340)	79694	41.3334	344.44(AQM)
9	Pyridine	79	1.518	1.465	(0.347)	153885	41.1181	342.65(AQM)
16	Methyl methanesulfonate	80	Compound Not Detected.					
206	Benzaldehyde	77	Compound Not Detected.					
21	Aniline	93	4.103	4.109	(0.938)	255470	24.1294	201.08
22	Phenol	94	4.109	4.109	(0.939)	312637	33.8126	281.77
23	bis(2-Chloroethyl)ether	93	4.168	4.173	(0.952)	260026	37.8070	315.06
24	2-Chlorophenol	128	4.205	4.205	(0.961)	276149	34.4509	287.09
26	1,3-Dichlorobenzene	146	4.328	4.333	(0.989)	342868	34.5607	288.00
27	1,4-Dichlorobenzene	146	4.387	4.398	(1.002)	351689	34.7034	289.20
28	1,2-Dichlorobenzene	146	4.510	4.520	(1.031)	329866	33.3203	277.67
29	Benzyl Alcohol	108	4.493	4.499	(1.027)	164049	33.8230	281.86
217	Indene	116	Compound Not Detected.					

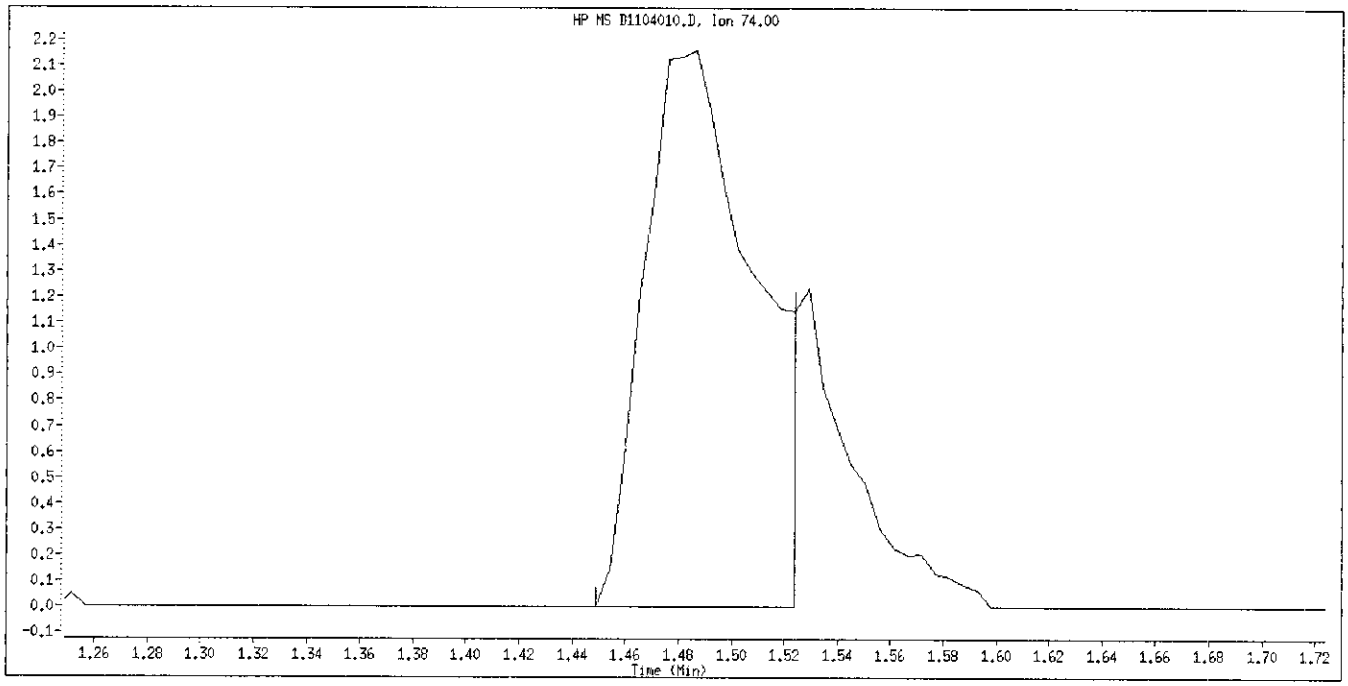
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
30 2-Methylphenol	108	4.590	4.601	(1.049)	260819	34.4957	287.46
31 2,2'-oxybis(1-Chloropropane)	45	4.611	4.617	(1.054)	408976	41.5867	346.56(A)
36 N-Nitrosopyrrolidine	100	Compound Not Detected.					
37 Acetophenone	105	Compound Not Detected.					
32 N-Nitroso-di-n-propylamine	70	4.713	4.718	(1.077)	174307	35.8373	298.64
192 4-Methylphenol	108	4.718	4.718	(1.078)	485844	64.8966	540.80(A)
34 Hexachloroethane	117	4.787	4.793	(1.094)	162779	35.7823	298.19
35 Nitrobenzene	77	4.835	4.841	(0.895)	325446	39.6365	330.30
41 Isophorone	82	5.033	5.039	(0.932)	542205	34.5094	287.58
42 2-Nitrophenol	139	5.097	5.103	(0.944)	191266	38.7612	323.01
43 2,4-Dimethylphenol	107	5.140	5.145	(0.952)	301258	33.9263	282.72
44 bis(2-Chloroethoxy)methane	93	5.215	5.220	(0.965)	387566	34.8388	290.32
48 2,4-Dichlorophenol	162	5.289	5.295	(0.979)	284787	32.4232	270.19
49 Benzoic Acid	122	5.220	5.199	(0.966)	205352	35.3360	294.47(M)
50 1,2,4-Trichlorobenzene	180	5.359	5.370	(0.992)	352157	33.7517	281.26
51 Naphthalene	128	5.418	5.429	(1.003)	1009744	32.0828	267.36
52 4-Chloroaniline	127	5.466	5.471	(1.012)	421145	32.4244	270.20
54 2,6-Dichlorophenol	162	Compound Not Detected.					
56 Hexachlorobutadiene	225	5.535	5.541	(1.025)	215934	35.1545	292.95(Q)
208 Caprolactam	113	Compound Not Detected.					
59 4-Chloro-3-Methylphenol	107	5.856	5.861	(1.084)	287480	32.9609	274.67
62 2-Methylnaphthalene	142	5.979	5.984	(1.107)	712800	32.2734	268.94
63 1-Methylnaphthalene	142	6.059	6.064	(1.122)	707818	32.1706	268.09
64 Hexachlorocyclopentadiene	237	6.118	6.123	(0.897)	296459	45.2036	376.70(A)
65 1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66 2,4,6-Trichlorophenol	196	6.208	6.214	(0.911)	239066	32.4149	270.12
67 2,4,5-Trichlorophenol	196	6.235	6.241	(0.915)	263910	33.5608	279.67
209 1,1'-Biphenyl	154	6.353	6.363	(0.932)	2718	0.09634	0.80283(Q)
70 2-Chloronaphthalene	162	6.369	6.374	(0.934)	728874	31.6750	263.96
73 2-Nitroaniline	65	6.449	6.449	(0.946)	208038	40.1524	334.60(A)
76 Dimethylphthalate	163	6.598	6.604	(0.968)	737377	30.6062	255.05
78 2,6-Dinitrotoluene	165	6.646	6.647	(0.975)	197251	39.3413	327.84
79 Acenaphthylene	152	6.705	6.705	(0.984)	1190426	31.8758	265.63(Q)
81 3-Nitroaniline	138	6.775	6.780	(0.994)	222865	34.3526	286.27
82 Acenaphthene	153	6.844	6.850	(1.004)	738316	31.6425	263.69
83 2,4-Dinitrophenol	184	6.860	6.860	(1.006)	67020	23.4386	195.32(Q)
85 4-Nitrophenol	109	6.908	6.908	(1.013)	119384	38.8313	323.59
86 Dibenzofuran	168	6.983	6.989	(1.024)	1097348	30.9829	258.19
87 2,4-Dinitrotoluene	165	6.962	6.967	(1.021)	261216	36.0554	300.46
91 2,3,5,6-Tetrachlorophenol	232	7.047	7.053	(1.034)	232319	34.1144	284.29
88 2,3,4,6-Tetrachlorophenol	232	7.079	7.085	(1.038)	237478	33.9759	283.13
92 2-Naphthylamine	143	Compound Not Detected.					
93 Diethylphthalate	149	7.165	7.165	(1.051)	819376	30.9398	257.83
94 Fluorene	166	7.255	7.261	(1.064)	744173	30.3972	253.31
95 4-Chlorophenyl-phenylether	204	7.255	7.261	(1.064)	368184	32.6993	272.49
96 4-Nitroaniline	138	7.266	7.261	(1.066)	192725	31.3496	261.25
98 4,6-Dinitro-2-methylphenol	198	7.293	7.293	(0.911)	140228	32.6276	271.90
99 N-Nitrosodiphenylamine (1)	169	7.346	7.352	(0.917)	615136	34.9724	291.44
100 1,2-Diphenylhydrazine	77	7.384	7.384	(0.922)	954928	34.6606	288.84
106 4-Bromophenyl-phenylether	248	7.645	7.651	(0.955)	255395	34.4706	287.26
107 Hexachlorobenzene	284	7.704	7.710	(0.962)	247442	30.1605	251.34
210 Atrazine	200	Compound Not Detected.					
111 Pentachlorophenol	266	7.859	7.865	(0.981)	185933	34.7048	289.21(M)
115 Phenanthrene	178	8.025	8.030	(1.002)	1336318	30.2108	251.76

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
116 Anthracene	178	8.067	8.073	(1.007)	1359790	31.3958	261.63
119 Carbazole	167	8.190	8.196	(1.023)	1246743	30.4215	253.51(Q)
120 Di-n-Butylphthalate	149	8.468	8.468	(1.057)	1607128	32.2323	268.60
123 Fluoranthene	202	8.981	8.987	(1.121)	1544643	33.3045	277.54
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	9.163	9.168	(0.904)	1592384	36.1312	301.09
131 Butylbenzylphthalate	149	9.659	9.665	(0.953)	741929	37.7638	314.70
135 3,3'-Dichlorobenzidine	252	10.097	10.103	(0.996)	399200	26.1507	217.92
136 Benzo(a)Anthracene	228	10.130	10.130	(0.999)	1335652	35.3009	294.17
137 Chrysene	228	10.162	10.162	(1.003)	1352586	32.5321	271.10
139 bis(2-ethylhexyl)Phthalate	149	10.114	10.124	(0.998)	973442	38.2820	319.02
140 Di-n-octylphthalate	149	10.674	10.680	(0.924)	1814745	33.5309	279.42(M)
141 Benzo(b)fluoranthene	252	11.129	11.129	(0.963)	1279115	32.4404	270.34
142 Benzo(k)fluoranthene	252	11.155	11.155	(0.966)	1450569	32.1520	267.93
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	11.486	11.497	(0.994)	1118829	32.6179	271.82
149 Indeno(1,2,3-cd)pyrene	276	13.014	13.020	(1.127)	1306845	31.5506	262.92
150 Dibenz(a,h)anthracene	278	13.036	13.047	(1.129)	1044784	30.3643	253.04
151 Benzo(g,h,i)perylene	276	13.452	13.458	(1.165)	1155607	35.0912	292.43
$ 154 Nitrobenzene-d5	82	4.819	4.825	(0.892)	328686	39.1551	326.29(A)
$ 155 2-Fluorobiphenyl	172	6.278	6.283	(0.921)	781848	32.2890	269.08(A)
$ 156 Terphenyl-d14	244	9.280	9.280	(0.916)	987531	37.9349	316.12(A)
$ 157 Phenol-d5	99	4.098	4.098	(0.937)	428442	53.6676	447.23(A)
$ 158 2-Fluorophenol	112	3.286	3.281	(0.751)	317435	58.7741	489.78(A)
$ 159 2,4,6-Tribromophenol	330	7.448	7.453	(0.930)	166555	49.9655	416.38(A)
$ 186 2-Chlorophenol-d4	132	4.189	4.195	(0.957)	410427	53.1374	442.81(A)
$ 187 1,2-Dichlorobenzene-d4	152	4.499	4.504	(1.028)	193741	32.2351	268.62(A)

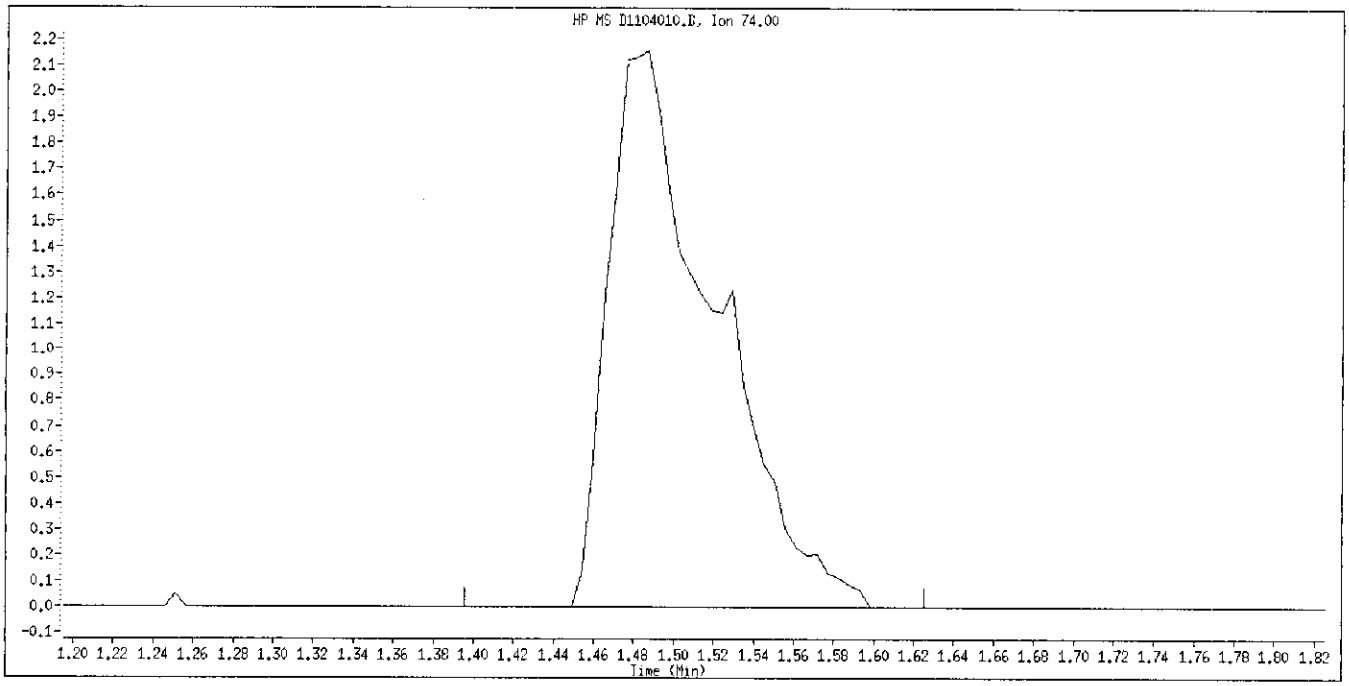
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File Name: D1104010.D
Inj. Date and Time: 04-NOV-2010 15:09
Instrument ID: 732.i
Client ID: INTRA-LAB CHECK
Compound Name: N-Nitrosodimethylamine
CAS #: 62-75-9



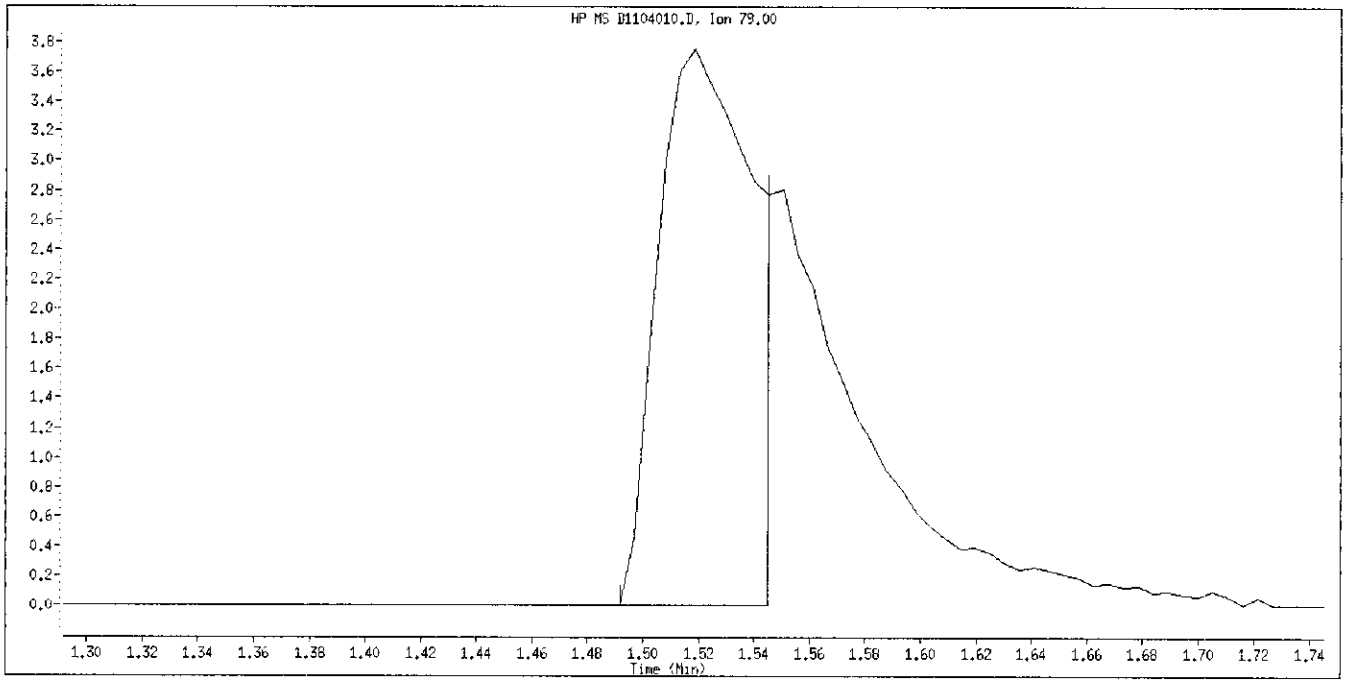
Original Integration



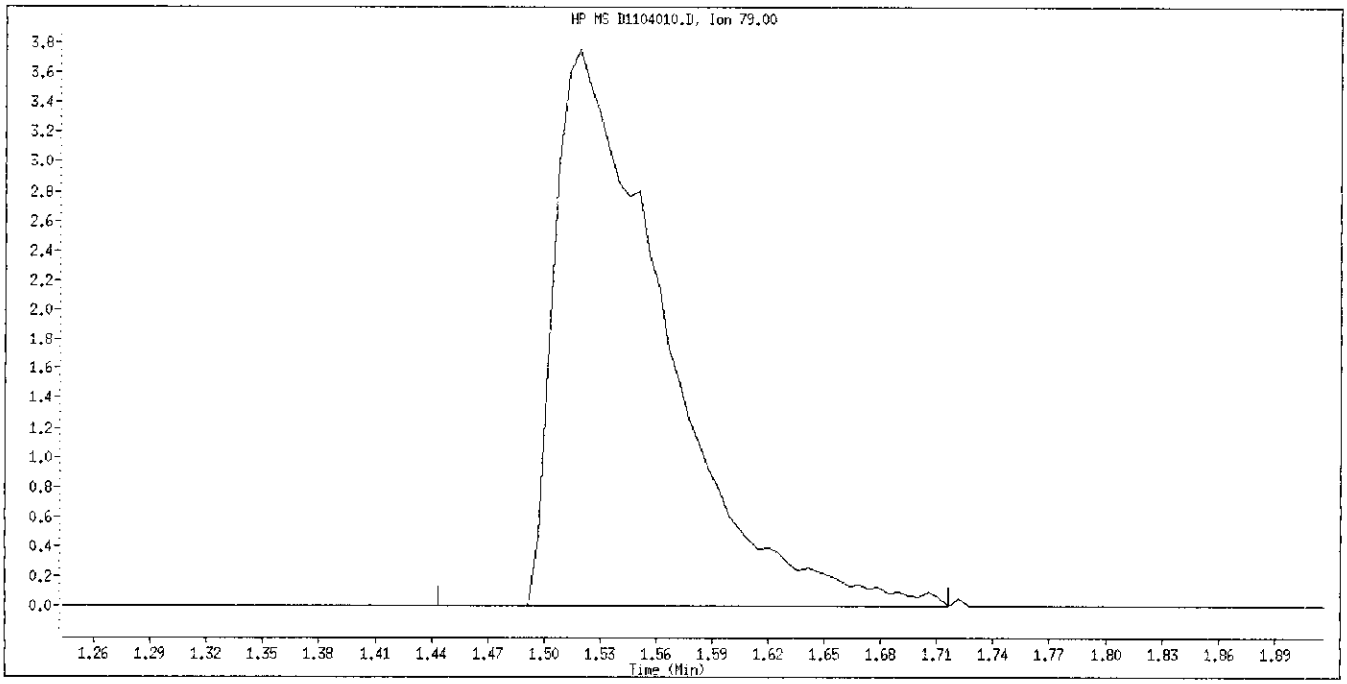
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1104010.D
Inj. Date and Time: 04-NOV-2010 15:09
Instrument ID: 732.i
Client ID: INTRA-LAB CHECK
Compound Name: Pyridine
CAS #: 110-86-1



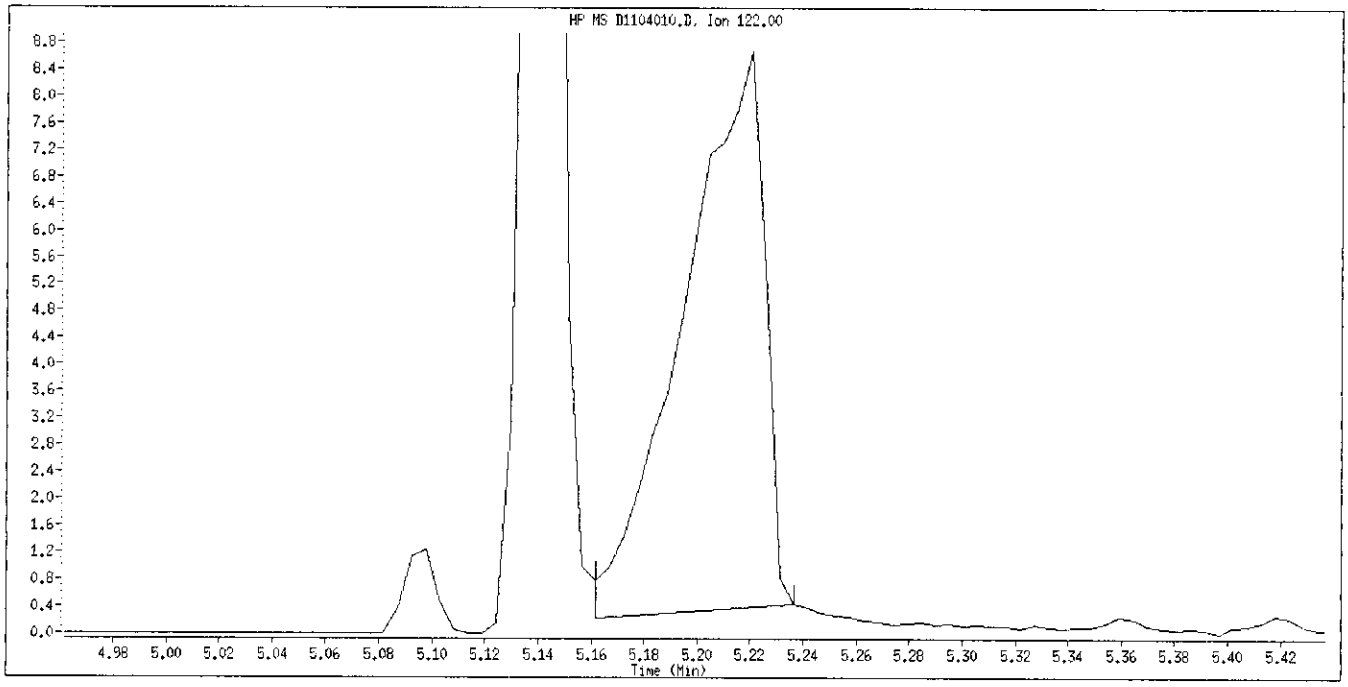
Original Integration



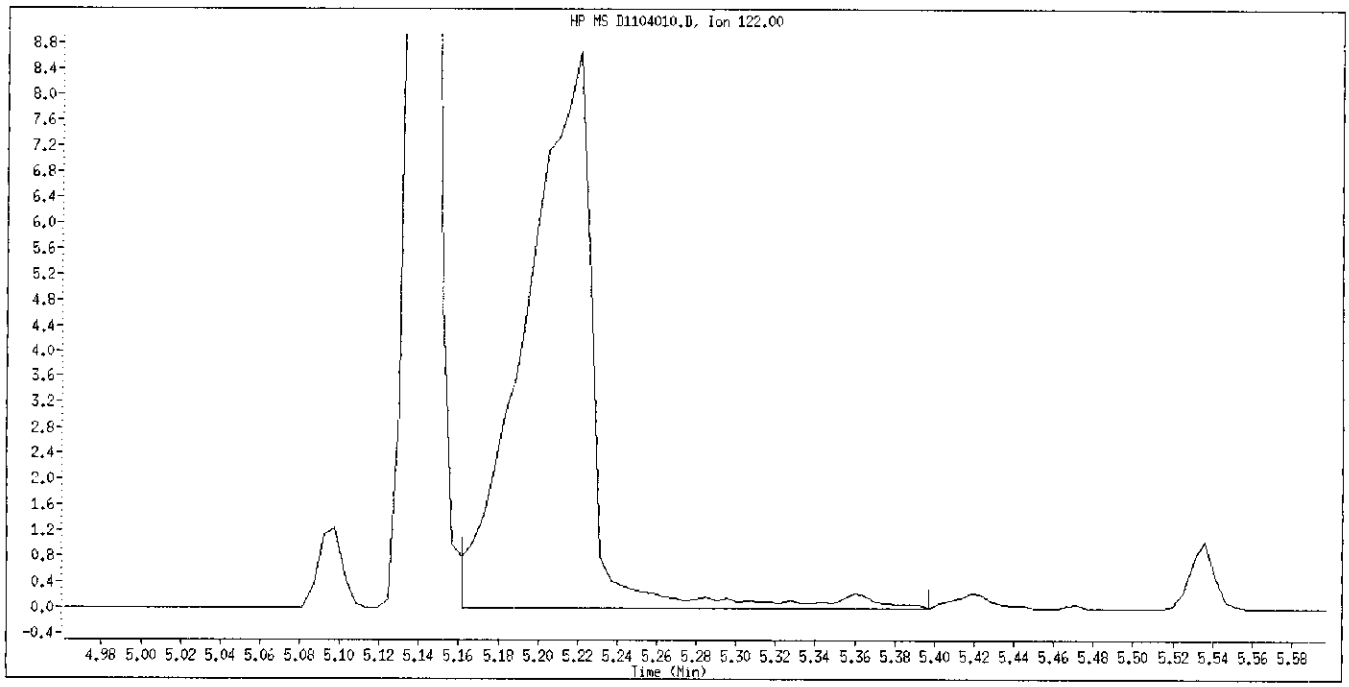
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1104010.D
Inj. Date and Time: 04-NOV-2010 15:09
Instrument ID: 732.i
Client ID: INTRA-LAB CHECK
Compound Name: Benzoic Acid
CAS #: 65-85-0



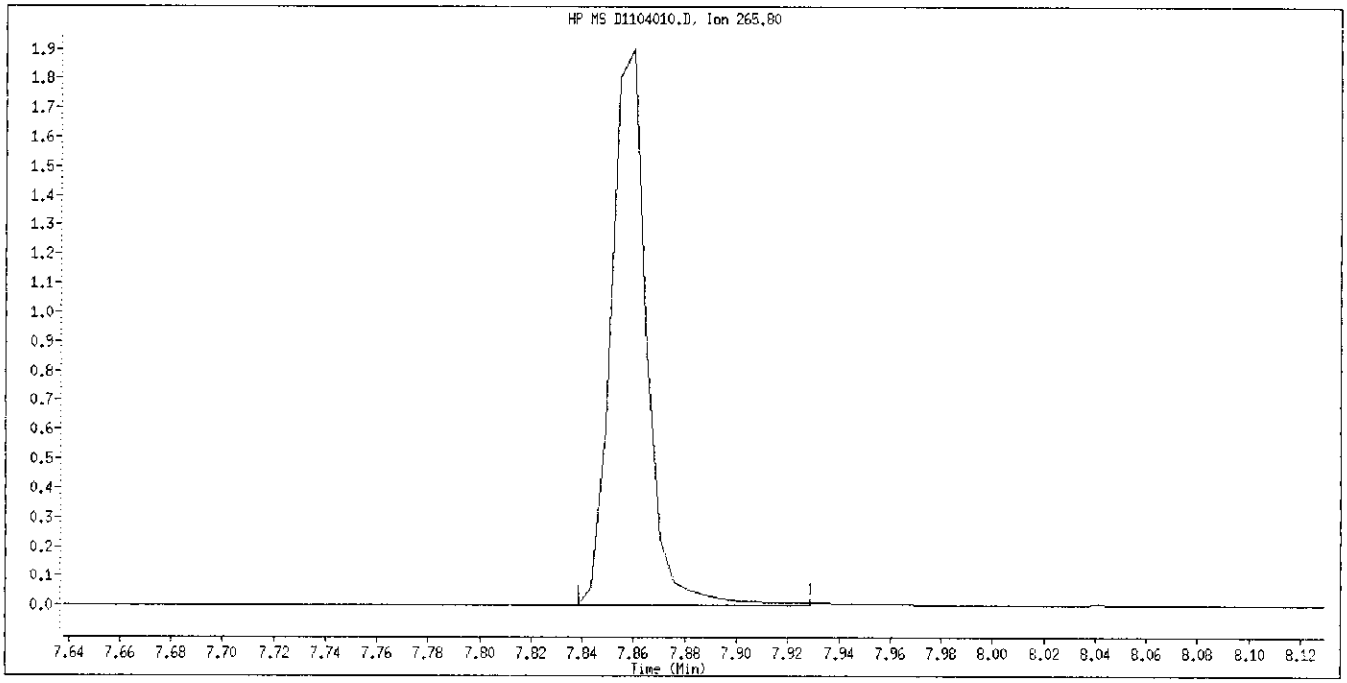
Original Integration



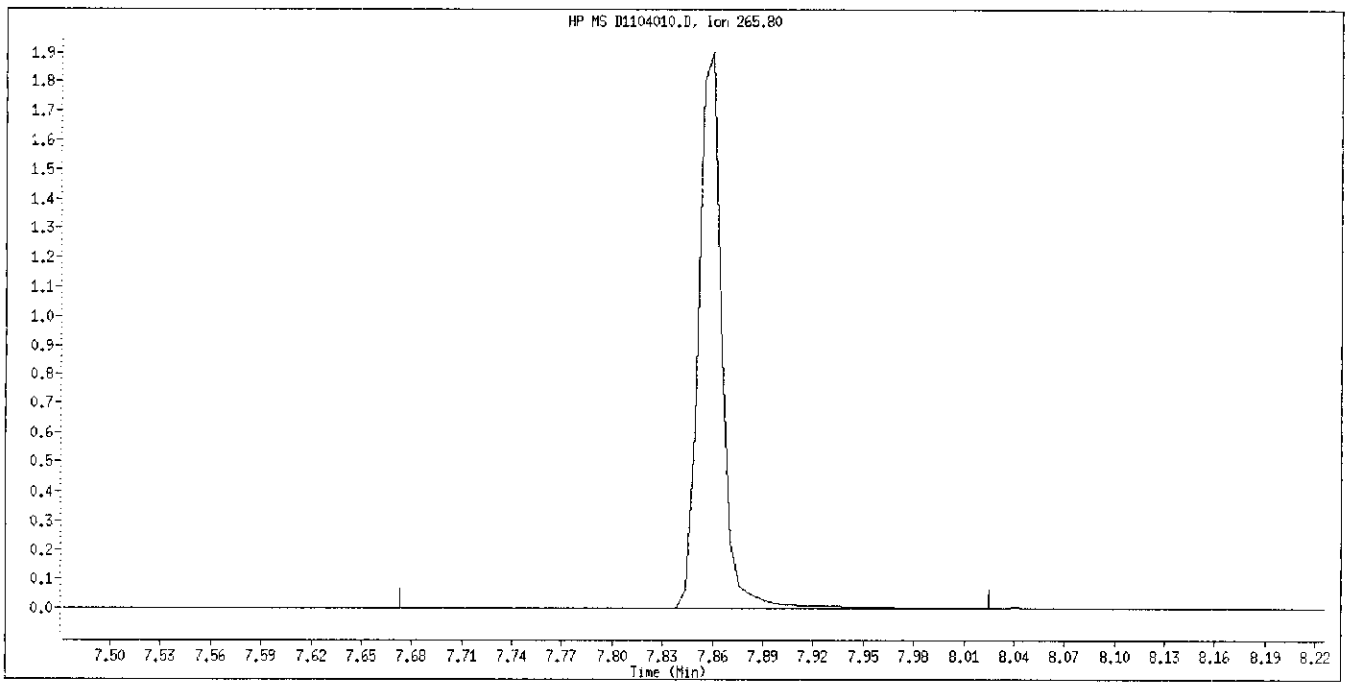
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1104010.D
Inj. Date and Time: 04-NOV-2010 15:09
Instrument ID: 732.i
Client ID: INTRA-LAB CHECK
Compound Name: Pentachlorophenol
CAS #: 87-86-5



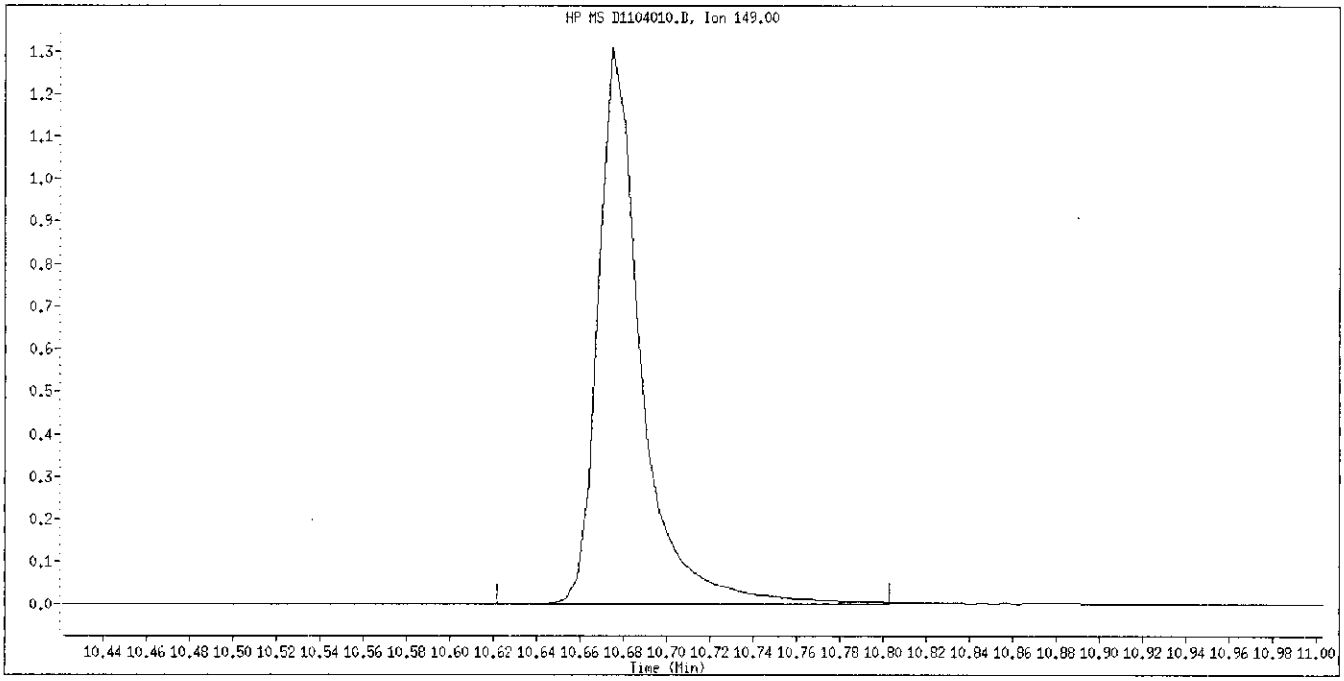
Original Integration



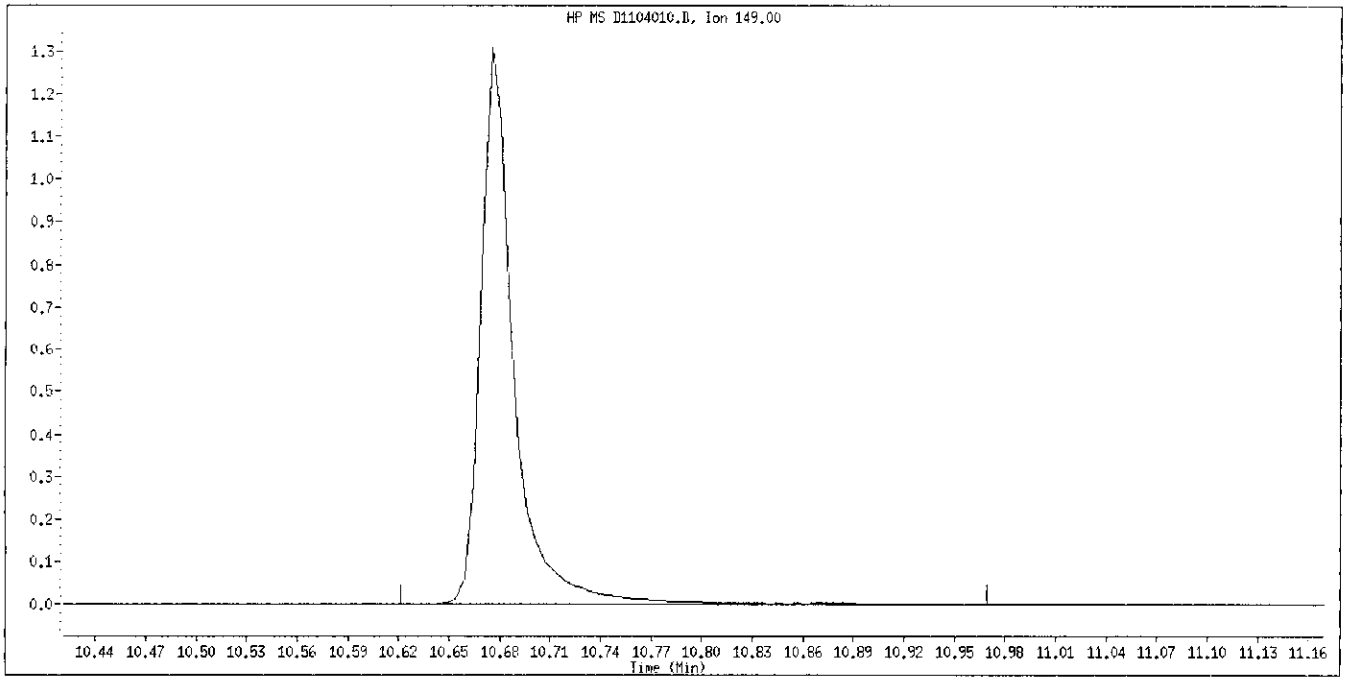
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1104010.D
Inj. Date and Time: 04-NOV-2010 15:09
Instrument ID: 732.i
Client ID: INTRA-LAB CHECK
Compound Name: Di-n-octylphthalate
CAS #: 117-84-0



Original Integration



Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...:	C0K030562	**Work Order #...:**	L9HH31A7-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	C0K030562-001		L9HH31A8-MSD		
Date Sampled...:	10/19/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308011
Prep Date.....:	11/04/10	**Analysis Date..:**	11/04/10		
Prep Batch #...:	0308035	**Analysis Time..:**	16:26		
Dilution Factor:	5	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	0.5 mL
% Moisture.....:	87	**Analyst ID.....:**	430261	**Instrument ID..:**	732

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	36 a	(42 - 104)			SW846 8270C
	63 p	(42 - 104)	53	(0-34)	SW846 8270C
1,4-Dichlorobenzene	39 a	(41 - 101)			SW846 8270C
	65 p	(41 - 101)	51	(0-32)	SW846 8270C
1,2,4-Trichloro-benzene	38 a	(41 - 105)			SW846 8270C
	64 p	(41 - 105)	50	(0-36)	SW846 8270C
4-Bromophenyl phenyl ether	35 a	(43 - 111)			SW846 8270C
	58 p	(43 - 111)	48	(0-20)	SW846 8270C
Butyl benzyl phthalate	33 a	(40 - 117)			SW846 8270C
	62 p	(40 - 117)	58	(0-34)	SW846 8270C
4-Chloro-3-methylphenol	35 a	(43 - 110)			SW846 8270C
	63 p	(43 - 110)	59	(0-31)	SW846 8270C
2-Chlorophenol	40	(40 - 105)			SW846 8270C
	65 p	(40 - 105)	48	(0-37)	SW846 8270C
2,4-Dinitrotoluene	32 a	(48 - 118)			SW846 8270C
	63 p	(48 - 118)	64	(0-33)	SW846 8270C
Hexachloroethane	35 a	(40 - 102)			SW846 8270C
	67 p	(40 - 102)	62	(0-34)	SW846 8270C
4-Methylphenol	42 a	(43 - 107)			SW846 8270C
	73 p	(43 - 107)	54	(0-36)	SW846 8270C
Naphthalene	38 a	(42 - 104)			SW846 8270C
	64 p	(42 - 104)	51	(0-25)	SW846 8270C
4-Nitrophenol	26 a	(27 - 131)			SW846 8270C
	59 p	(27 - 131)	76	(0-33)	SW846 8270C
N-Nitrosodi-n-propyl-amine	46	(42 - 108)			SW846 8270C
	71 p	(42 - 108)	44	(0-32)	SW846 8270C
Pentachlorophenol	45	(18 - 125)			SW846 8270C
	70 p	(18 - 125)	44	(0-34)	SW846 8270C
Phenol	43	(39 - 105)			SW846 8270C
	70 p	(39 - 105)	48	(0-40)	SW846 8270C
Pyrene	33 a	(39 - 113)			SW846 8270C
	53 p	(39 - 113)	43	(0-28)	SW846 8270C

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: C0K030562 **Work Order #...:** L9HH31A7-MS **Matrix.....:** SOLID
MS Lot-Sample #: C0K030562-001 L9HH31A8-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	42	(27 - 110)
	72	(27 - 110)
Terphenyl-d14	35	(21 - 130)
	54	(21 - 130)
2-Fluorobiphenyl	38	(28 - 108)
	57	(28 - 108)
2-Fluorophenol	41	(28 - 107)
	70	(28 - 107)
Phenol-d5	44	(30 - 112)
	73	(30 - 112)
2,4,6-Tribromophenol	30	(21 - 116)
	52	(21 - 116)

NOTE(S):

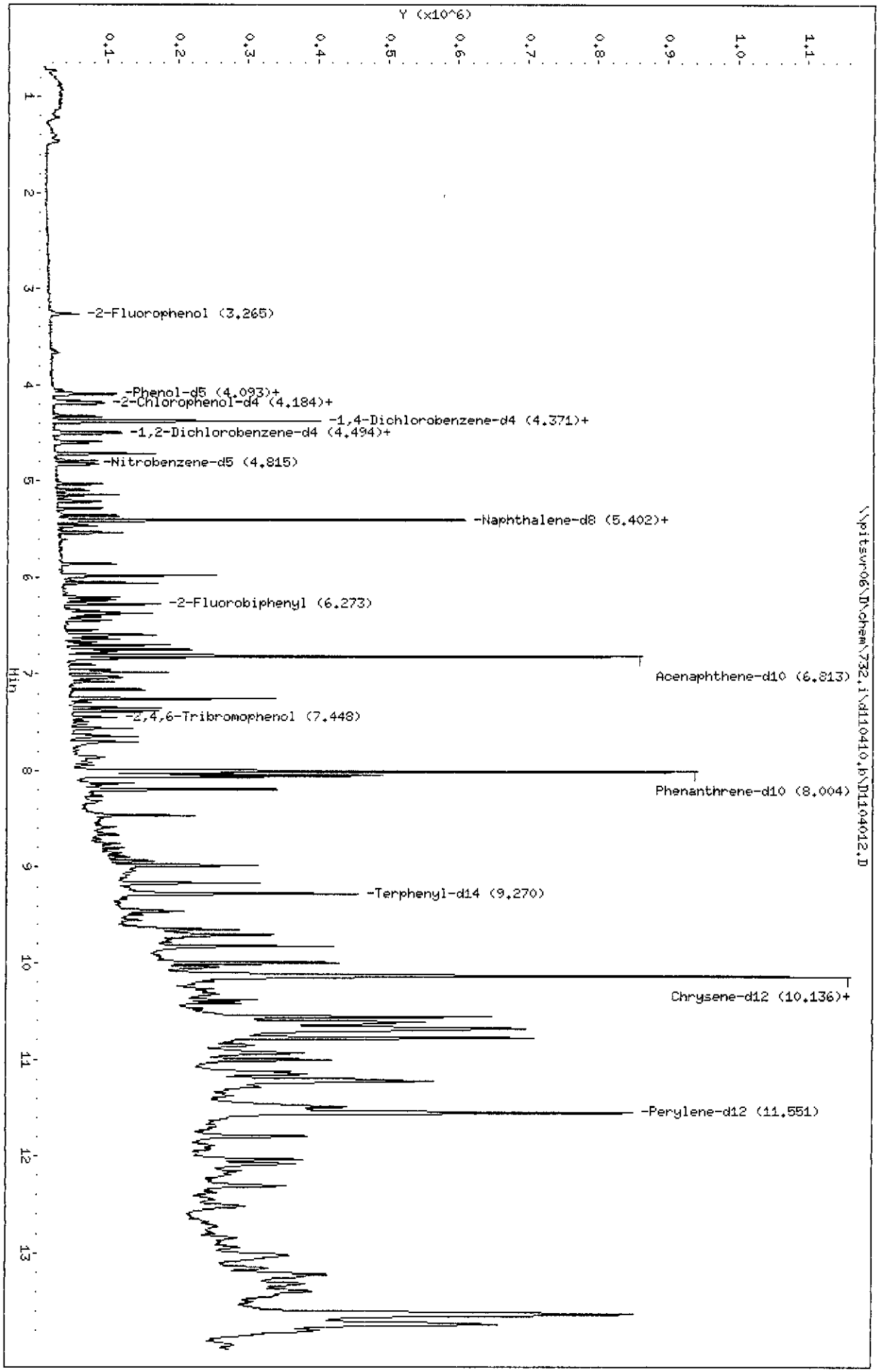
Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

a Spiked analyte recovery is outside stated control limits.



Data File: \\pitsvr06\D\chem\732.i\d110410.b\D1104012.D
Date : 04-NOV-2010 16:26
Client ID: 20100836 RSD10-01
Sample Info: c0k030562-001ms 10x 11/04/10 sed342(0308035)
Volume Injected (uL): 2.0
Column phase: DB5-MS

Instrument: 732.i
Operator: 430261nc
Column diameter: 0.32

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d110410.b\D1104012.D
Lab Smp Id: l9hh31a7 Client Smp ID: 20100836 RSD10-01
Inj Date : 04-NOV-2010 16:26
Operator : 430261nc Inst ID: 732.i
Smp Info : c0k030562-001ms 10x 11/04/10 sedS42(0308035)
Misc Info : l9hh31a7,d110410.b,ll.m,3-root.sub
Comment :
Method : \\pitsvr06\D\chem\732.i\d110410.b\ll.m
Meth Date : 08-Nov-2010 18:58 campisin Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 14 QC Sample: MS
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws)*1 * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)
* 1	1,4-Dichlorobenzene-d4	152	4.371	4.382	(1.000)	53687	8.00000	
* 2	Naphthalene-d8	136	5.402	5.407	(1.000)	259352	8.00000	
* 3	Acenaphthene-d10	164	6.812	6.823	(1.000)	183182	8.00000	
* 4	Phenanthrene-d10	188	8.003	8.014	(1.000)	331315	8.00000	
* 5	Chrysene-d12	240	10.135	10.140	(1.000)	353794	8.00000	
* 6	Perylene-d12	264	11.551	11.556	(1.000)	336232	8.00000	
198	1,4-Dioxane	88	Compound Not Detected.					
10	N-Nitrosodimethylamine	74	1.406	1.417	(0.322)	3344	1.60870	134.06
9	Pyridine	79	1.454	1.465	(0.333)	5716	1.41665	118.05(QM)
16	Methyl methanesulfonate	80	Compound Not Detected.					
206	Benzaldehyde	77	Compound Not Detected.					
21	Aniline	93	4.098	4.109	(0.938)	8550	0.74904	62.420(Q)
22	Phenol	94	4.098	4.109	(0.938)	16986	1.70397	142.00
23	bis(2-Chloroethyl)ether	93	4.162	4.173	(0.952)	12509	1.68699	140.58
24	2-Chlorophenol	128	4.194	4.205	(0.960)	13915	1.61018	134.18
26	1,3-Dichlorobenzene	146	4.323	4.333	(0.989)	16578	1.54996	129.16
27	1,4-Dichlorobenzene	146	4.381	4.398	(1.002)	17067	1.56209	130.17
28	1,2-Dichlorobenzene	146	4.504	4.520	(1.031)	16439	1.54021	128.35
29	Benzyl Alcohol	108	4.488	4.499	(1.027)	8961	1.71368	142.81
217	Indene	116	Compound Not Detected.					

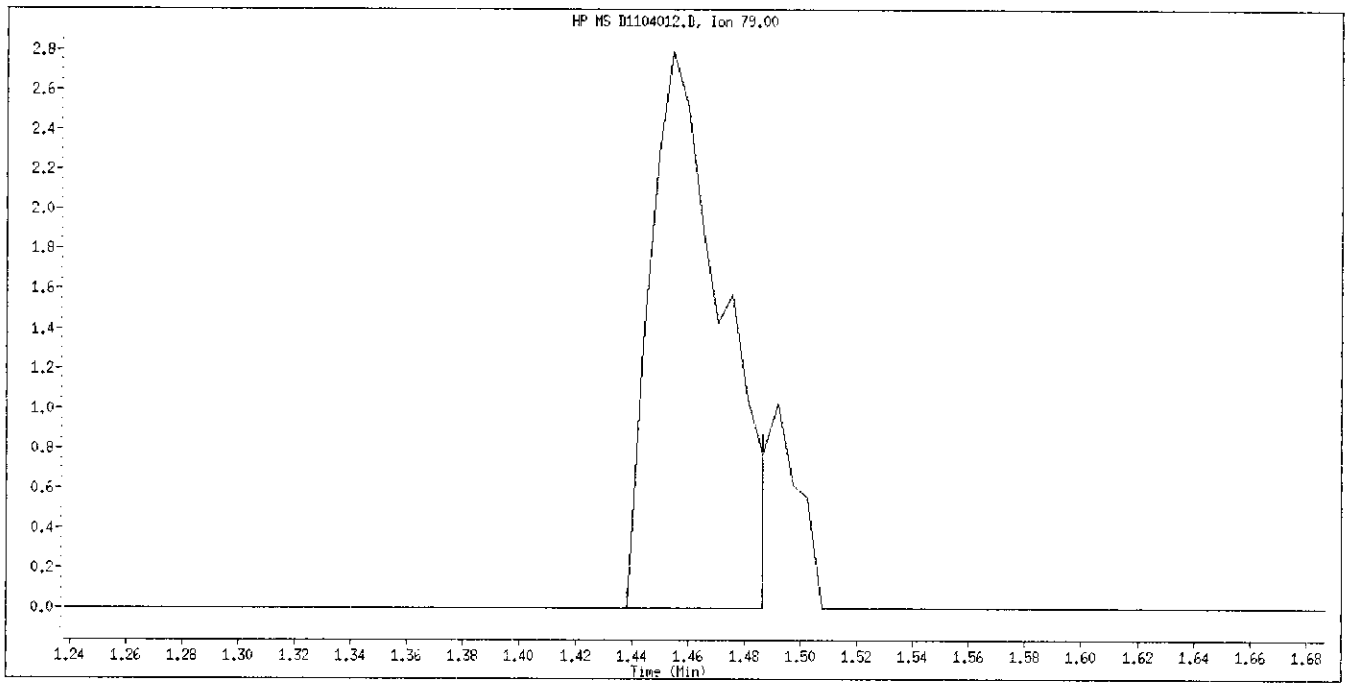
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)
30	2-Methylphenol	108	4.584	4.601	(1.049)	12953	1.58902	132.42
31	2,2'-oxybis(1-Chloropropane)	45	4.606	4.617	(1.054)	20004	1.88672	157.23
36	N-Nitrosopyrrolidine	100	Compound Not Detected.					
37	Acetophenone	105	Compound Not Detected.					
32	N-Nitroso-di-n-propylamine	70	4.702	4.718	(1.076)	9623	1.83512	152.93
192	4-Methylphenol	108	4.713	4.718	(1.078)	27138	3.36230	280.19
34	Hexachloroethane	117	4.782	4.793	(1.094)	6960	1.41910	118.26
35	Nitrobenzene	77	4.830	4.841	(0.894)	16017	1.84811	154.01
41	Isophorone	82	5.028	5.039	(0.931)	25807	1.55611	129.68
42	2-Nitrophenol	139	5.092	5.103	(0.943)	8312	1.59586	132.99
43	2,4-Dimethylphenol	107	5.135	5.145	(0.951)	13988	1.49239	124.36
44	bis(2-Chloroethoxy)methane	93	5.209	5.220	(0.964)	18271	1.55600	129.67
48	2,4-Dichlorophenol	162	5.290	5.295	(0.979)	12829	1.38375	115.31
49	Benzoic Acid	122	5.167	5.199	(0.956)	3441	0.56096	46.747
50	1,2,4-Trichlorobenzene	180	5.359	5.370	(0.992)	16790	1.52454	127.04
51	Naphthalene	128	5.418	5.429	(1.003)	50588	1.52278	126.90
52	4-Chloroaniline	127	5.461	5.471	(1.011)	15105	1.10177	91.814
54	2,6-Dichlorophenol	162	Compound Not Detected.					
56	Hexachlorobutadiene	225	5.535	5.541	(1.025)	10567	1.62983	135.82(Q)
208	Caprolactam	113	Compound Not Detected.					
59	4-Chloro-3-Methylphenol	107	5.856	5.861	(1.084)	12729	1.38266	115.22
62	2-Methylnaphthalene	142	5.979	5.984	(1.107)	35539	1.52445	127.04
63	1-Methylnaphthalene	142	6.054	6.064	(1.121)	35098	1.51130	125.94
64	Hexachlorocyclopentadiene	236	Compound Not Detected.					
65	1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66	2,4,6-Trichlorophenol	196	6.203	6.214	(0.911)	9920	1.33020	110.85
67	2,4,5-Trichlorophenol	196	6.230	6.241	(0.915)	9953	1.25173	104.31
209	1,1'-Biphenyl	154	Compound Not Detected.					
70	2-Chloronaphthalene	162	6.369	6.374	(0.935)	34774	1.49451	124.54
73	2-Nitroaniline	65	6.444	6.449	(0.946)	8493	1.62110	135.09
76	Dimethylphthalate	163	6.593	6.604	(0.968)	33671	1.38215	115.18
78	2,6-Dinitrotoluene	165	6.636	6.647	(0.974)	8261	1.62945	135.79
79	Acenaphthylene	152	6.700	6.705	(0.984)	55163	1.46078	121.73
81	3-Nitroaniline	138	6.769	6.780	(0.994)	6939	1.05778	88.148
82	Acenaphthene	153	6.839	6.850	(1.004)	34250	1.45167	120.97(R)
83	2,4-Dinitrophenol	184	6.855	6.860	(1.006)	1252	4.43721	369.77(Q)
85	4-Nitrophenol	109	6.903	6.908	(1.013)	3261	1.04898	87.415(Q)
86	Dibenzofuran	168	6.978	6.989	(1.024)	52306	1.46053	121.71
87	2,4-Dinitrotoluene	165	6.962	6.967	(1.022)	9412	1.28479	107.06(R)
91	2,3,5,6-Tetrachlorophenol	232	7.042	7.053	(1.034)	7894	1.14638	95.532
88	2,3,4,6-Tetrachlorophenol	232	7.079	7.085	(1.039)	8113	1.14791	95.659
92	2-Naphthylamine	143	Compound Not Detected.					
93	Diethylphthalate	149	7.159	7.165	(1.051)	37371	1.39556	116.30
94	Fluorene	166	7.256	7.261	(1.065)	41481	1.28800	107.33
95	4-Chlorophenyl-phenylether	204	7.250	7.261	(1.064)	18402	1.05502	87.918
96	4-Nitroaniline	138	7.256	7.261	(1.065)	7357	1.18351	98.626
98	4,6-Dinitro-2-methylphenol	198	7.288	7.293	(0.911)	3687	0.81867	68.222
99	N-Nitrosodiphenylamine (1)	169	7.346	7.352	(0.918)	26311	1.42750	118.96
100	1,2-Diphenylhydrazine	77	7.378	7.384	(0.922)	44013	1.52451	127.04
106	4-Bromophenyl-phenylether	248	7.646	7.651	(0.955)	10992	1.41578	117.98
107	Hexachlorobenzene	284	7.704	7.710	(0.963)	10988	1.27811	106.51
210	Atrazine	200	Compound Not Detected.					
111	Pentachlorophenol	266	7.854	7.865	(0.981)	3810	1.79000	149.17(Q)
115	Phenanthrene	178	8.025	8.030	(1.003)	65814	1.41989	118.32

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
116 Anthracene	178	8.068	8.073	(1.008)	62813	1.38399	115.33
119 Carbazole	167	8.190	8.196	(1.023)	54525	1.26965	105.80(Q)
120 Di-n-Butylphthalate	149	8.463	8.468	(1.057)	72096	1.37986	114.99
123 Fluoranthene	202	8.981	8.987	(1.122)	73245	1.50708	125.59
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	9.163	9.168	(0.904)	76831	1.43236	119.36(R)
131 Butylbenzylphthalate	149	9.660	9.665	(0.953)	33856	1.41589	117.99
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	10.124	10.130	(0.999)	63489	1.37871	114.89
137 Chrysene	228	10.156	10.162	(1.002)	64862	1.28179	106.82
139 bis(2-ethylhexyl)Phthalate	149	10.119	10.124	(0.998)	51439	1.66211	138.51
140 Di-n-octylphthalate	149	10.675	10.680	(0.924)	112134	3.39718	283.10(Q)
141 Benzo(b)fluoranthene	252	11.123	11.129	(0.963)	67196	1.35235	112.70
142 Benzo(k)fluoranthene	252	11.150	11.155	(0.965)	62367	1.13742	94.785
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	11.487	11.497	(0.994)	51609	1.94086	161.74
149 Indeno(1,2,3-cd)pyrene	276	13.009	13.020	(1.126)	62294	1.98612	165.51
150 Dibenz(a,h)anthracene	278	13.036	13.047	(1.129)	47705	2.01244	167.70
151 Benzo(g,h,i)perylene	276	13.453	13.458	(1.165)	58555	1.46301	121.92
$ 154 Nitrobenzene-d5	82	4.814	4.825	(0.891)	14954	1.68770	140.64
$ 155 2-Fluorobiphenyl	172	6.273	6.283	(0.921)	37656	1.53796	128.16
$ 156 Terphenyl-d14	244	9.280	9.280	(0.916)	44610	1.40799	117.33(R)
$ 157 Phenol-d5	99	4.088	4.098	(0.935)	22482	2.61210	217.67
$ 158 2-Fluorophenol	112	3.265	3.281	(0.747)	14315	2.45842	204.87
$ 159 2,4,6-Tribromophenol	330	7.448	7.453	(0.931)	6188	1.77152	147.63
$ 186 2-Chlorophenol-d4	132	4.178	4.195	(0.956)	19855	2.38434	198.70
$ 187 1,2-Dichlorobenzene-d4	152	4.494	4.504	(1.028)	9359	1.44435	120.36

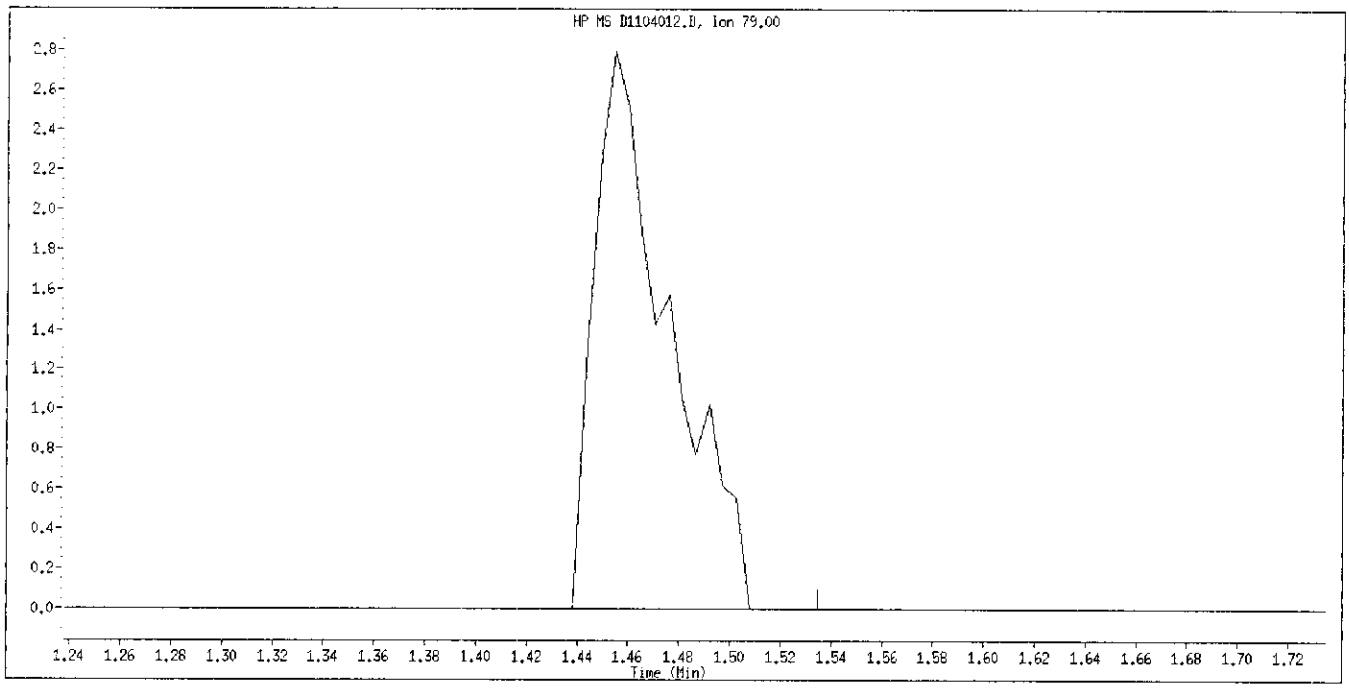
QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File Name: D1104012.D
Inj. Date and Time: 04-NOV-2010 16:26
Instrument ID: 732.i
Client ID: 20100836 RSD10-01
Compound Name: Pyridine
CAS #: 110-86-1



Original Integration



Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File: \\pitsvr06\D\chem\732.i\d110810.b\D1108025.D

Page 4

Date : 08-NOV-2010 16:24

Client ID: 20100836 RSD10-01

Instrument: 732.i

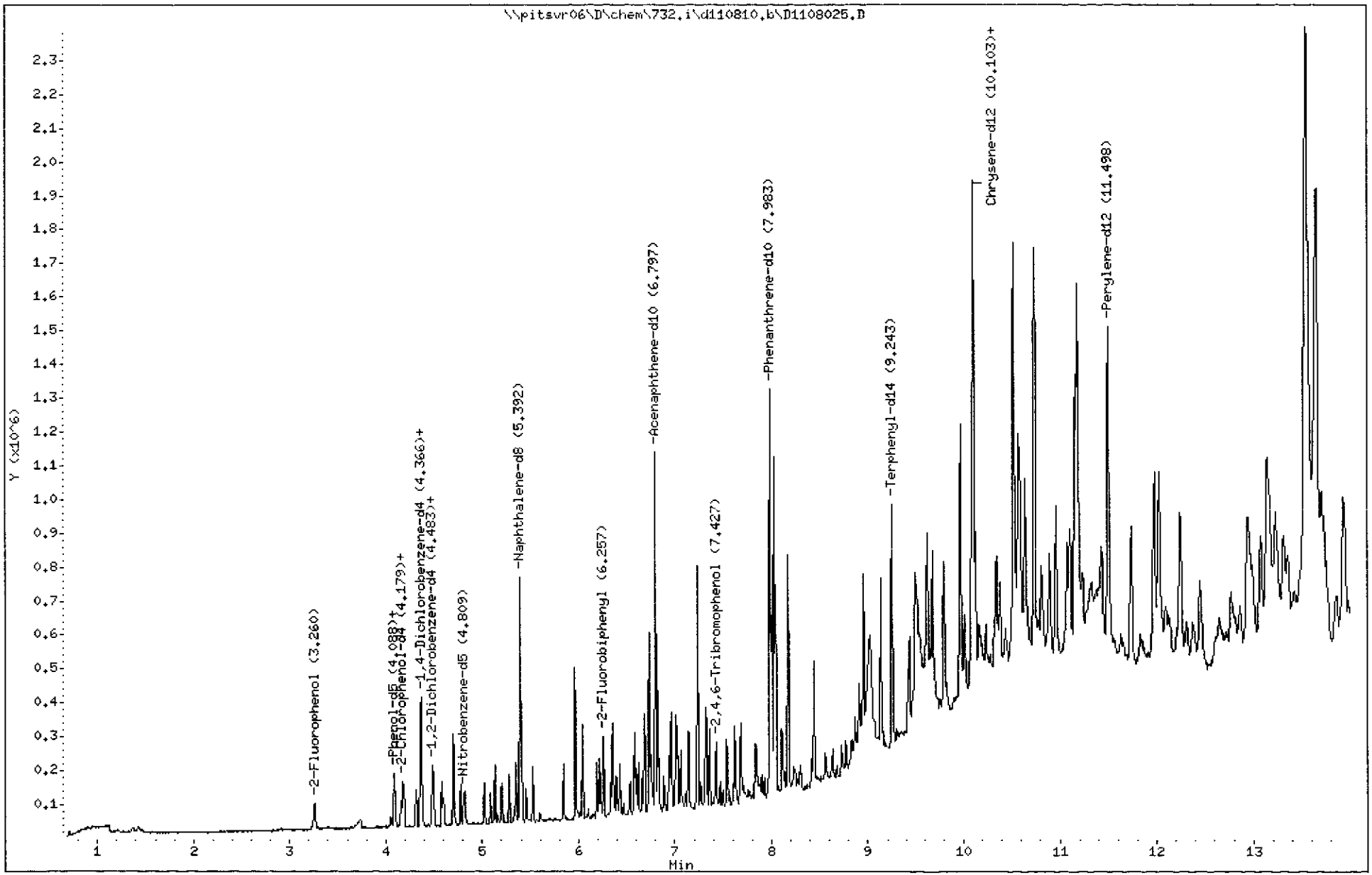
Sample Info: C0K030562-001msd 10x 11/04/10 sedS42(0308035)

Volume Injected (uL): 2.0

Operator: 430261nc

Column phase: DB5-MS

Column diameter: 0.32



(1001 - 1489)

1478

C0K030562

Test America Pittsburgh

Semivolatile REPORT SW-846 Method 8270

Data file : \\pitsvr06\D\chem\732.i\d110810.b\D1108025.D
Lab Smp Id: L9HH31A8 Client Smp ID: 20100836 RSD10-01
Inj Date : 08-NOV-2010 16:24
Operator : 430261nc Inst ID: 732.i
Smp Info : C0K030562-001msd 10x 11/04/10 sedS42(0308035)
Misc Info : l9hh31a8,d110810.b,ll.m,3-root.sub
Comment :
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Meth Date : 08-Nov-2010 17:47 732.i Quant Type: ISTD
Cal Date : 23-SEP-2010 20:29 Cal File: D0923IC8.D
Als bottle: 27 QC Sample: MSD
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: 3-root.sub
Target Version: 4.14
Processing Host: PITPC-732

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws)*1 * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)(1000 low, 2
Vi	2.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)
* 1	1,4-Dichlorobenzene-d4	152	4.365	4.365	(1.000)	55286	8.00000	
* 2	Naphthalene-d8	136	5.391	5.391	(1.000)	276897	8.00000	
* 3	Acenaphthene-d10	164	6.796	6.796	(1.000)	221180	8.00000	
* 4	Phenanthrene-d10	188	7.982	7.982	(1.000)	434345	8.00000	
* 5	Chrysene-d12	240	10.103	10.097	(1.000)	532255	8.00000	
* 6	Perylene-d12	264	11.497	11.486	(1.000)	567009	8.00000	
198	1,4-Dioxane	88	Compound Not Detected.					
10	N-Nitrosodimethylamine	74	1.368	1.384	(0.314)	6243	2.91646	243.04
9	Pyridine	79	1.422	1.438	(0.326)	9382	2.25798	188.16(QM)
16	Methyl methanesulfonate	80	Compound Not Detected.					
206	Benzaldehyde	77	Compound Not Detected.					
21	Aniline	93	4.093	4.098	(0.938)	12483	1.06197	88.498(Q)
22	Phenol	94	4.093	4.098	(0.938)	28555	2.78169	231.81
23	bis(2-Chloroethyl)ether	93	4.157	4.162	(0.952)	26946	3.52889	294.07(Q)
24	2-Chlorophenol	128	4.189	4.194	(0.960)	23310	2.61931	218.28
26	1,3-Dichlorobenzene	146	4.317	4.317	(0.989)	27143	2.46434	205.36
27	1,4-Dichlorobenzene	146	4.376	4.381	(1.002)	29459	2.61830	218.19
28	1,2-Dichlorobenzene	146	4.499	4.504	(1.031)	28982	2.63686	219.74
29	Benzyl Alcohol	108	4.478	4.483	(1.026)	15931	2.95849	246.54
217	Indene	116	Compound Not Detected.					

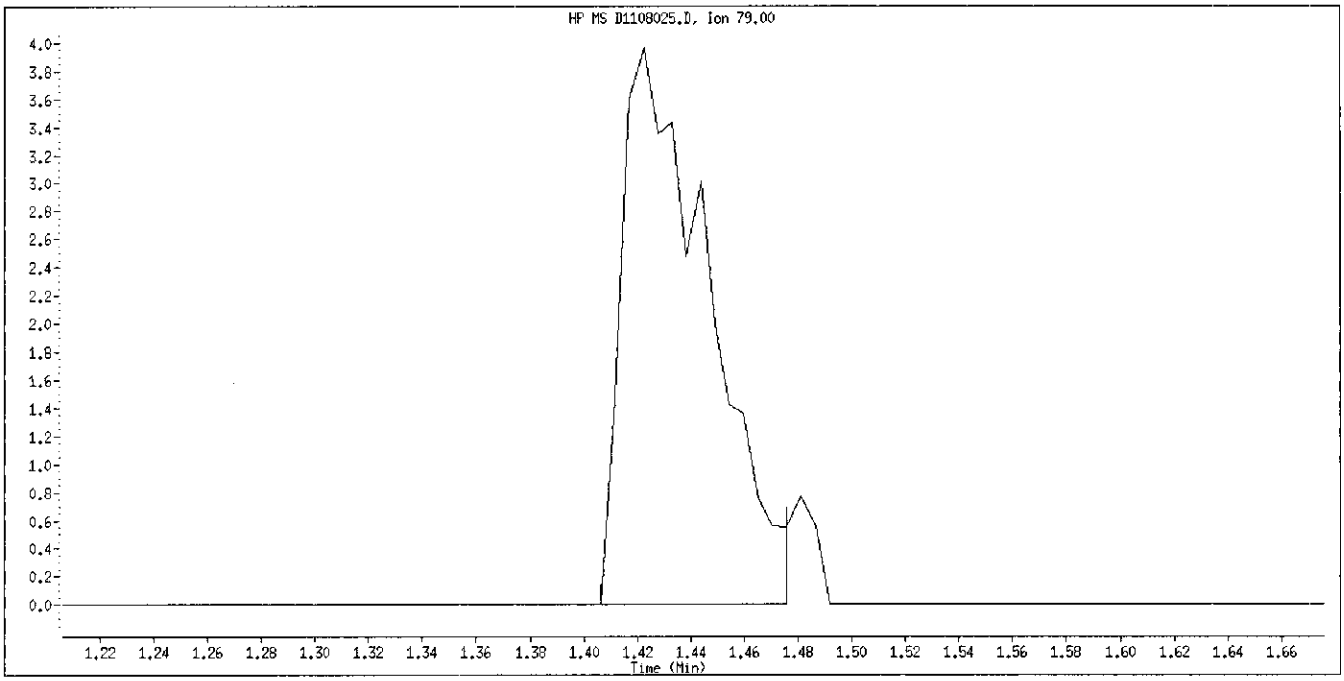
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/kg)
30	2-Methylphenol	108	4.579	4.579	(1.049)	22729	2.70766	225.64
31	2,2'-oxybis(1-Chloropropane)	45	4.600	4.600	(1.054)	33769	3.09288	257.74
36	N-Nitrosopyrrolidine	100	Compound Not Detected.					
37	Acetophenone	105	Compound Not Detected.					
32	N-Nitroso-di-n-propylamine	70	4.697	4.696	(1.076)	15429	2.85723	238.10
192	4-Methylphenol	108	4.707	4.702	(1.078)	48857	5.87814	489.84
34	Hexachloroethane	117	4.777	4.777	(1.094)	13559	2.68464	223.72
35	Nitrobenzene	77	4.820	4.825	(0.894)	27305	2.95094	245.91
41	Isophorone	82	5.017	5.022	(0.931)	45569	2.57362	214.47
42	2-Nitrophenol	139	5.081	5.081	(0.943)	15494	2.78628	232.19
43	2,4-Dimethylphenol	107	5.129	5.129	(0.951)	27646	2.76268	230.22
44	bis(2-Chloroethoxy)methane	93	5.204	5.204	(0.965)	33692	2.68748	223.96
48	2,4-Dichlorophenol	162	5.279	5.279	(0.979)	24454	2.47051	205.88
49	Benzoic Acid	122	5.156	5.177	(0.956)	7276	1.11099	92.583(M)
50	1,2,4-Trichlorobenzene	180	5.348	5.348	(0.992)	29884	2.54155	211.80
51	Naphthalene	128	5.407	5.407	(1.003)	90946	2.56416	213.68
52	4-Chloroaniline	127	5.455	5.450	(1.012)	28222	1.92810	160.67
54	2,6-Dichlorophenol	162	Compound Not Detected.					
56	Hexachlorobutadiene	225	5.525	5.519	(1.025)	17918	2.58851	215.71(Q)
208	Caprolactam	113	Compound Not Detected.					
59	4-Chloro-3-Methylphenol	107	5.840	5.840	(1.083)	24841	2.52733	210.61
62	2-Methylnaphthalene	142	5.963	5.963	(1.106)	66539	2.67334	222.78
63	1-Methylnaphthalene	142	6.043	6.037	(1.121)	65120	2.62635	218.86
64	Hexachlorocyclopentadiene	237	6.102	6.096	(0.898)	3785	0.47271	39.392
65	1,2,4,5-Tetrachlorobenzene	215	Compound Not Detected.					
66	2,4,6-Trichlorophenol	196	6.192	6.187	(0.911)	20578	2.28531	190.44
67	2,4,5-Trichlorophenol	196	6.219	6.214	(0.915)	23189	2.41532	201.28
209	1,1'-Biphenyl	154	Compound Not Detected.					
70	2-Chloronaphthalene	162	6.353	6.347	(0.935)	67048	2.38653	198.88
73	2-Nitroaniline	65	6.428	6.427	(0.946)	18601	2.94050	245.04
76	Dimethylphthalate	163	6.577	6.577	(0.968)	67377	2.29060	190.88
78	2,6-Dinitrotoluene	165	6.620	6.620	(0.974)	17018	2.78006	231.67
79	Acenaphthylene	152	6.684	6.678	(0.983)	109551	2.40265	200.22(Q)
81	3-Nitroaniline	138	6.753	6.753	(0.994)	17124	2.16192	180.16
82	Acenaphthene	153	6.823	6.823	(1.004)	71224	2.50018	208.35
83	2,4-Dinitrophenol	184	6.839	6.833	(1.006)	4814	5.23211	436.01(Q)
85	4-Nitrophenol	109	6.887	6.881	(1.013)	8793	2.34255	195.21
86	Dibenzofuran	168	6.962	6.956	(1.024)	104524	2.41719	201.43
87	2,4-Dinitrotoluene	165	6.940	6.940	(1.021)	22164	2.50573	208.81
91	2,3,5,6-Tetrachlorophenol	232	7.026	7.026	(1.034)	20857	2.50854	209.04
88	2,3,4,6-Tetrachlorophenol	232	7.058	7.058	(1.039)	19479	2.28260	190.22
92	2-Naphthylamine	143	Compound Not Detected.					
93	Diethylphthalate	149	7.143	7.138	(1.051)	77722	2.40378	200.31
94	Fluorene	166	7.234	7.234	(1.064)	87360	2.31621	193.02
95	4-Chlorophenyl-phenylether	204	7.234	7.234	(1.064)	39386	2.12438	177.03
96	4-Nitroaniline	138	7.240	7.234	(1.065)	20753	2.76497	230.41
98	4,6-Dinitro-2-methylphenol	198	7.272	7.266	(0.911)	9816	1.66255	138.54(Q)
99	N-Nitrosodiphenylamine (1)	169	7.325	7.325	(0.918)	58261	2.41114	200.93
100	1,2-Diphenylhydrazine	77	7.357	7.357	(0.922)	87740	2.31821	193.18
106	4-Bromophenyl-phenylether	248	7.624	7.624	(0.955)	23561	2.31484	192.90
107	Hexachlorobenzene	284	7.683	7.677	(0.963)	23942	2.12430	177.02
210	Atrazine	200	Compound Not Detected.					
111	Pentachlorophenol	266	7.838	7.832	(0.982)	13051	2.80731	233.94(Q)
115	Phenanthrene	178	8.003	7.998	(1.003)	140872	2.31829	193.19

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/kg)
116 Anthracene	178	8.046	8.041	(1.008)	138281	2.32409	193.67
119 Carbazole	167	8.169	8.164	(1.023)	128632	2.28477	190.40(Q)
120 Di-n-Butylphthalate	149	8.442	8.436	(1.058)	162591	2.37371	197.81
123 Fluoranthene	202	8.954	8.949	(1.122)	175867	2.76026	230.02
124 Benzidine	184	Compound Not Detected.					
125 Pyrene	202	9.136	9.131	(0.904)	179554	2.22506	185.42
131 Butylbenzylphthalate	149	9.628	9.627	(0.953)	92918	2.58300	215.25
135 3,3'-Dichlorobenzidine	252	Compound Not Detected.					
136 Benzo(a)Anthracene	228	10.092	10.087	(0.999)	161153	2.32618	193.85
137 Chrysene	228	10.124	10.119	(1.002)	161012	2.11503	176.25
139 bis(2-ethylhexyl)Phthalate	149	10.087	10.081	(0.998)	128588	2.76183	230.15
140 Di-n-octylphthalate	149	10.637	10.632	(0.925)	208640	3.54517	295.43
141 Benzo(b)fluoranthene	252	11.075	11.070	(0.963)	173920	2.04300	170.25
142 Benzo(k)fluoranthene	252	11.107	11.096	(0.966)	186729	2.01942	168.28
143 7,12-dimethylbenz[a]anthracen	256	Compound Not Detected.					
146 Benzo(a)pyrene	252	11.439	11.428	(0.995)	145851	2.69736	224.78
149 Indeno(1,2,3-cd)pyrene	276	12.934	12.913	(1.125)	218770	3.21128	267.61
150 Dibenz(a,h)anthracene	278	12.956	12.934	(1.127)	164219	3.06386	255.32
151 Benzo(g,h,i)perylene	276	13.367	13.335	(1.163)	196199	2.90690	242.24
$ 154 Nitrobenzene-d5	82	4.809	4.809	(0.892)	27247	2.88023	240.02
$ 155 2-Fluorobiphenyl	172	6.257	6.256	(0.921)	67737	2.29126	190.94
$ 156 Terphenyl-d14	244	9.254	9.248	(0.916)	103865	2.17906	181.59
$ 157 Phenol-d5	99	4.082	4.087	(0.935)	38940	4.39343	366.12
$ 158 2-Fluorophenol	112	3.260	3.270	(0.747)	25173	4.19811	349.84
$ 159 2,4,6-Tribromophenol	330	7.427	7.426	(0.930)	14252	3.11228	259.36
$ 186 2-Chlorophenol-d4	132	4.178	4.178	(0.957)	34299	3.99976	333.31
$ 187 1,2-Dichlorobenzene-d4	152	4.488	4.488	(1.028)	16562	2.48204	206.84

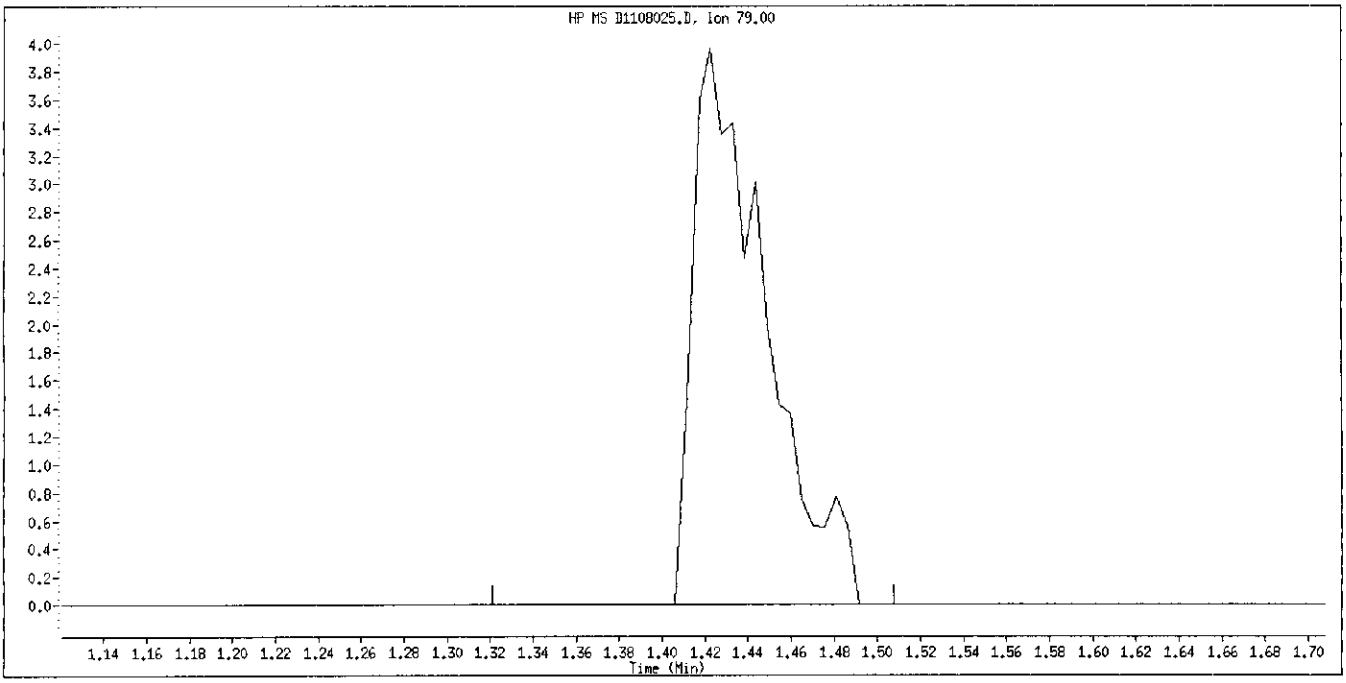
QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File Name: D1108025.D
Inj. Date and Time: 08-NOV-2010 16:24
Instrument ID: 732.i
Client ID: 20100836 RSD10-01
Compound Name: Pyridine
CAS #: 110-86-1



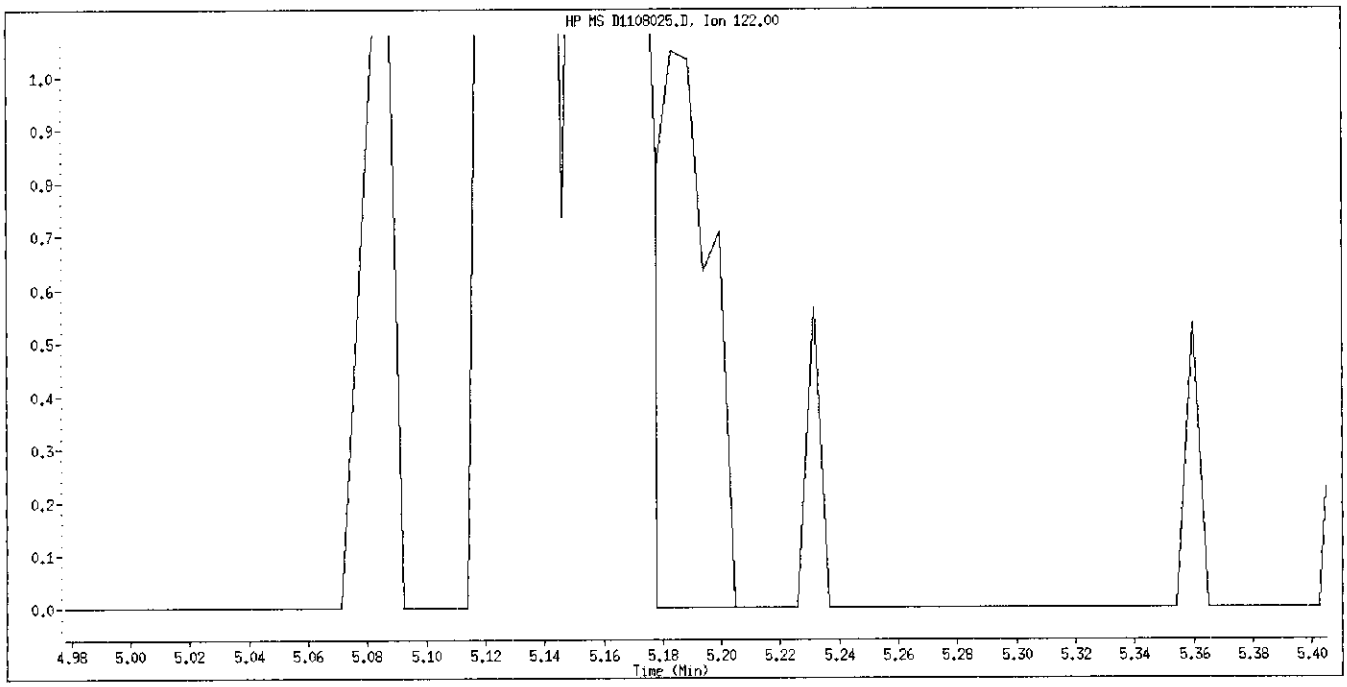
Original Integration



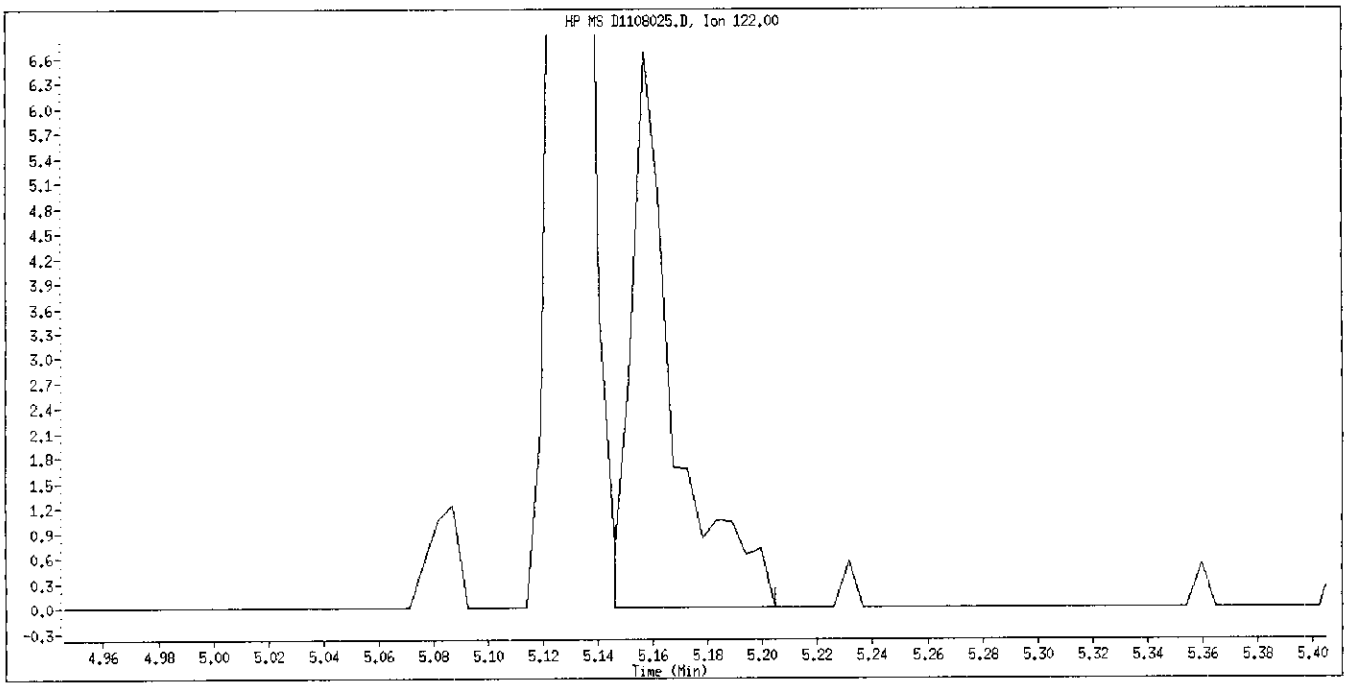
Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

Data File Name: D1108025.D
Inj. Date and Time: 08-NOV-2010 16:24
Instrument ID: 732.i
Client ID: 20100836 RSD10-01
Compound Name: Benzoic Acid
CAS #: 65-85-0



Original Integration



Manual Integration

Manually Integrated By: CampisiN
Manual Integration Reason: Peak Integrated Incorrectly

GC/MS SEMIVOLATILE
MISCELLANEOUS

Soxtherm Extraction Worksheet

TestAmerica Pittsburgh
Logbook ID: OP3679 OP0212-10

IH 6308035 (42) Baker Methylene Chloride Baker

Start Date\Time	Date Completed	Parameter	Method	Solvent	Solvent Lot	Solvent Mfg	GPC Number
11-4-10 / 04:10	11-4-10	LL 8270C	Soxtherm	Methylene Chloride/Acetone	OP0132-10	Baker	N/A

	Lot Number	Sample ID		Sample Weight (g)	Final Volume (mL)	Surrogate #	Surr Vol (mL)	Matrix Spike Lot #	MS Vol (mL)	GPC Date
1.	COLC030562	BLK		30.0	0.5	BNA0816-10	0.5	N/A	N/A	N/A
2.		LCS		30.0				BNA0689-10	0.5	
3.		MS-001	10	30.0						
4.		MSD-001		30.0				N/A	N/A	
5.		001		30.0						
6.		002	20	30.2						
7.		003	20	30.1						
8.		004	5	30.0						
9.		005	5	30.4						
10.		006	20	30.1						
11.		007		30.3						
12.		008	5	30.3						
13.										
14.										
15.										
16.										
17.										
18.										
19.										
20.										
21.										
22.										
23.										
24.										

11-4-10

Analyst: JM JM JM JM JM JM JM JM JM JM

Extract(s) (record line # from above)	Date	Time	Extract(s) Received	Analyst	Location	Date	Time	Extract(s) Relinquished	Analyst	Location
ALL ABOVE	11-4-10	10:40			OPG-PREP	11-4-10	10:50			RFO4-BNA
ALL ABOVE	11-4-10	1200			RFO4BNA	11-3-10	~~2:00~~ 11-4-10 1400			RFO4BNA
ALL ABOVE	11-4-10	1300			RFO4BNA	11-8-10	1600			RFO4BNA

Start Temp: End Temp: (+/- 5%)

Sodium Sulfate Mfg/Lot Number: Baker/OP0211-10

Magnesium Sulfate Mfg/Lot Number: Baker/OP0208-10

N2 Blow Down Temp: 32°C

Comments:

Reviewed by: Brian A. Price Date: 11-4-10

Balance ID: 1120122641

Cleanups TBA: N/A H2SO4: N/A Carboprep: N/A

printed on: 30-Aug-10 7:52:58 AM

v2 09/10/2005

(1001 - 1489) 1485 C0K030562

Simulate Run Sequence Thu Nov 04 14:25:25 2010

Instrument Name: 732
Sequence File: C:\MSDChem\1\sequence\D110410.S
Comment: TA PITT HP5973-732 LOG 2ul inj 100ul + 1ulIS
Operator: 43026lnc
Data Path: C:\MSDCHEM\1\DATA\d110410.B\
Method Path: C:\MSDCHEM\1\METHODS\

11-9-10

	Line	Type	Vial	DataFile	Method	Sample Name
1)	Sample		99	D1104CL1	FFAST	Clean out blank 8270C
2)	Sample		99	D1104CL2	FFAST	Clean out blank 8270C
3)	Sample	1214c	1	D1104DF1	DFTPPZ	dftpp (25ug/ml) bna0464-10
4)	Sample	AQC	2	D1104CC1	FFAST	SSTD4.0(2.0ug/ml) BNA0831-10
5)	Sample	AQ	3	D1104001	FFAST	c0j200548-blk R/E 11/02/10 h2o42 (0307035)
6)	Sample	AQC	7	D1104005	FFAST	c0j529419-blk 11/3/10 h2oQL (0307127)
7)	Sample	AQ	11	D1104009	FFAST	c0k030562-blk 11/04/10 sedS42(0308035)
8)	Sample	AQCU	4	D1104002	FFAST	c0j200548-lcs R/E 11/02/10 h2o42 (0307035) RR
9)	Sample		5	D1104003	FFAST GOOD	c0j200548-lcsd R/E 11/02/10 h2o42 (0307035) SURRS DOUBLE SPIKED ON LSCD
10)	Sample	AQC	8	D1104006	FFAST	c0j529419-lcs 11/3/10 h2oQL (0307127)
11)	Sample	AQC	9	D1104007	FFAST	c0j529419-lcsd 11/3/10 h2oQL (0307127)
12)	Sample	AQ	12	D1104010	FFAST	c0k030562-lcs 11/04/10 sedS42(0308035)
13)	Sample	AQCU	6	D1104004	FFAST	c0j200548-001 R/E 11/02/10 h2o42 (0307035)
14)	Sample	AQC	10	D1104008	FFAST	c0j529419-010 11/3/10 h2oQL (0307127)
15)	Sample	AQ	13	D1104011	FFAST	c0k030562-001 10x 11/04/10 sedS42(0308035)
16)	Sample		14	D1104012	FFAST	c0k030562-001ms 10x 11/04/10 sedS42(0308035)
17)	Sample	DIDNT RUN	15	D1104013	FFAST	c0k030562-001msd 10x 11/04/10 sedS42(0308035) DIDNT RUN
18)	Sample		16	D1104014	FFAST	c0k030562-002 20x 11/04/10 sedS42(0308035)
19)	Sample	NOT USED	17	D1104015	FFAST	c0k030562-002 100x 11/04/10 sedS42(0308035)
20)	Sample	AQ	18	D1104016	FFAST	c0k030562-003 20x 11/04/10 sedS42(0308035)
21)	Sample	NOT USED	19	D1104017	FFAST	c0k030562-003 100x 11/04/10 sedS42(0308035)
22)	Sample	AQ	20	D1104018	FFAST	c0k030562-004 5x 11/04/10 sedS42(0308035)
23)	Sample		21	D1104019	FFAST	c0k030562-005 5x 11/04/10 sedS42(0308035)
24)	Sample		22	D1104020	FFAST	c0k030562-006 20x 11/04/10 sedS42(0308035)
25)	Sample	NOT USED	23	D1104021	FFAST	c0k030562-006 100x 11/04/10 sedS42(0308035)
26)	Sample	AQ	24	D1104022	FFAST	c0k030562-007 20x 11/04/10 sedS42(0308035)
27)	Sample	NOT USED	25	D1104023	FFAST	c0k030562-007 100x 11/04/10 sedS42(0308035)
28)	Sample	AQ	26	D1104024	FFAST	c0k030562-008 5x 11/04/10 sedS42(0308035)
29)	Sample		100	D1104CL3	FFAST	Clean out blank 8270C

Bytes Needed: 11563918 Space on drive C: 9861554176
Sequence Verification Done!

11-9-10

Simulate Run Sequence Mon Nov 08 15:43:03 2010

Instrument Name: 732
Sequence File: C:\MSDChem\1\sequence\D110810.S
Comment: TA PITT HP5973-732 LOG 2ul inj 100ul + 1ulIS
Operator: 430261nc
Data Path: C:\MSDCHEM\1\DATA\d110810.B\
Method Path: C:\MSDCHEM\1\METHODS\

	Line Type	Vial	DataFile	Method	Sample Name
1)	Sample	99	D1108CL1	FFAST	Clean out blank 8270C
2)	Sample	99	D1108CL2	FFAST	Clean out blank 8270C
3)	Sample	1	D1108DF1	DFTPPZ	dftpp (25ug/ml) bna0464-10
4)	Sample	2	D1108CC1	FFAST	SSTD4.0(2.0ug/ml) BNA0831-10
5)	Sample	3	D1108001	FFAST	C0J140486-blk 11/5/10 soil42 (0309072)
6)	Sample	8	D1108006	FFAST	C0J300435-blk 11/5/10 soil42 (0309088)
7)	Sample	4	D1108002	FFAST	C0J140486-lcs 11/5/10 soil42 (0309072)
8)	Sample	9	D1108007	FFAST	C0J300435-lcs 11/5/10 soil42 (0309088)
9)	Sample	5	D1108003	FFAST	C0J140486-001 2x 11/5/10 soil42 (0309072)
10)	Sample	17	D1108015	FFAST	C0J290578-003 11/5/10 soil42 (0309088)
11)	Sample	6	D1108004	FFAST	C0J140486-001ms 2x 11/5/10 soil42 (0309072)
12)	Sample	7	D1108005	FFAST	C0J140486-001 msd 2x 11/5/10 soil42 (0309072)
13)	Sample	27	D1108025	FFAST	C0K030562-001msd 10x 11/04/10 sedS42(0308035)
14)	Sample	10	D1108008	FFAST	C0J300435-001 2x 11/5/10 soil42 (0309088)
15)	Sample	11	D1108009	FFAST	C0J300435-001 ms 2x 11/5/10 soil42 (0309088)
16)	Sample	12	D1108010	FFAST	C0J300435-001 msd 2x 11/5/10 soil42 (0309088)
17)	Sample	13	D1108011	FFAST	C0J300435-002 11/5/10 soil42 (0309088)
18)	Sample	14	D1108012	FFAST	C0J300435-003 11/5/10 soil42 (0309088)
19)	Sample	15	D1108013	FFAST	C0J290578-001 11/5/10 soil42 (0309088)
20)	Sample	16	D1108014	FFAST	C0J290578-002 2x 11/5/10 soil42 (0309088)
21)	Sample	20	D1108018	FFAST	C0J290419-003 11/5/10 soil42 (0309088)
22)	Sample	25	D1108023	FFAST	C0J290419-008 11/5/10 soil42 (0309088)
23)	Sample	26	D1108024	FFAST	C0J290419-009 11/5/10 soil42 (0309088)
24)	Sample	21	D1108019	FFAST	C0J290419-004 4x 11/5/10 soil42 (0309088)
25)	Sample	22	D1108020	FFAST	C0J290419-005 4x 11/5/10 soil42 (0309088)
26)	Sample	23	D1108021	FFAST	C0J290419-006 2x 11/5/10 soil42 (0309088)
27)	Sample	19	D1108017	FFAST	C0J290419-002 10x 11/5/10 soil42 (0309088)
28)	Sample	18	D1108016	FFAST	C0J290419-001 20x 11/5/10 soil42 (0309088)
29)	Sample	24	D1108022	FFAST	C0J290419-007 20x 11/5/10 soil42 (0309088)
30)	Sample	100	D1108CL3	FFAST	Clean out blank 8270C
31)	Sample	100	D1108CL4	FFAST	Clean out blank 8270C
32)	Sample	100	D1108CL5	FFAST	Clean out blank 8270C
33)	Sample	100	D1108CL6	FFAST	Clean out blank 8270C
34)	Sample	100	D1108CL7	FFAST	Clean out blank 8270C
35)	Sample	100	D1108CL8	FFAST	Clean out blank 8270C
36)	Sample	100	D1108CL9	FFAST	Clean out blank 8270C

Bytes Needed: 494135 Space on drive C: 9836707840
Sequence Verification Done!

Simulate Run Sequence Thu Sep 23 20:06:50 2010

Instrument Name: 732
Sequence File: C:\MSDChem\1\sequence\D092310.S
Comment: TA PITT HP5973-732 LOG 2ul inj 100ul + 1ulIS
Operator: 430261nc
Data Path: C:\MSDCHEM\1\DATA\d092310.B\
Method Path: C:\MSDCHEM\1\METHODS\

mCg 9-27-10

	Line	Type	Vial	DataFile	Method	Sample Name
1)	Sample		99	D0923CL1	FFAST	Clean out blank
2)	Sample		99	D0923CL2	FFAST	Clean out blank
3)	Sample		1	D0923DF2	DFTPPZ	dftpp (25ug/ml) bna0464-10
4)	Sample		1	D0923DF3	DFTPPZ	dftpp (25ug/ml) bna0464-10
5)	Sample	(17:45 CC)	1	D0923DF4	DFTPPZ	dftpp (25ug/ml) bna0464-10
6)	Sample	ICC	2	D0923IC1	FFAST	SSTD4.0(2.0ug/ml) BNA0693-10
7)	Sample		3	D0923IC2	FFAST	SSTD0.4(0.2ug/ml) BNA0660-10
8)	Sample		4	D0923IC3	FFAST	SSTD2.0(1.0ug/ml) BNA0661-10
9)	Sample		5	D0923IC4	FFAST	SSTD10(5.0ug/ml) BNA0663-10
10)	Sample		6	D0923IC5	FFAST	SSTD20(10ug/ml) BNA0664-10
11)	Sample		7	D0923IC6	FFAST	SSTD40(20ug/ml) BNA0665-10
12)	Sample		8	D0923IC7	FFAST	SSTD60(30ug/ml) BNA0666-10
13)	Sample		9	D0923IC8	FFAST	SSTD80(40ug/ml) BNA0667-10
14)	Sample		10	D0923IC9	FFAST	SSTDV20(410ug/ml) BNA0670-10
15)	Sample	NCC	11	D0923001	FFAST	MDLV BLK 8/23/10 8270 LL42 334-1 8270D
16)	Sample	NCC	14	D0923004	FFAST	c0i110461-blk 9/15/10 h2o42 (0259059) → Reran
17)	Sample	ACC	12	D0923002	FFAST	MDLV #A 8/23/10 8270 LL42 334-1 8270D
18)	Sample	VCC	13	D0923003	FFAST	MDLV #B 8/23/10 8270 LL42 334-1 8270D
19)	Sample		15	D0923005	FFAST@1	c0i110461-lcs 9/15/10 h2o42 (0259059)
20)	Sample		16	D0923006	FFAST@1	c0i110461-lcsd 9/15/10 h2o42 (0259059)
21)	Sample		17	D0923007	FFAST	c0i110461-001 9/15/10 h2o42 (0259059)
22)	Sample		18	D0923008	FFAST	c0i110461-002 9/15/10 h2o42 (0259059)
23)	Sample		19	D0923009	FFAST	c0i110461-003 9/15/10 h2o42 (0259059)
24)	Sample		20	D0923010	FFAST	c0i110461-004 9/15/10 h2o42 (0259059)
25)	Sample		21	D0923011	FFAST	c0i110461-005 9/15/10 h2o42 (0259059)
26)	Sample		22	D0923012	FFAST	c0i110461-006 9/15/10 h2o42 (0259059)
27)	Sample		23	D0923013	FFAST	c0i110461-007 9/15/10 h2o42 (0259059)
28)	Sample		24	D0923014	FFAST	c0i110461-008 9/15/10 h2o42 (0259059)
29)	Sample		25	D0923015	FFAST	c0i140489-001 9/15/10 h2o42 (0259059)
30)	Sample		26	D0923016	FFAST	c0i140489-002 9/15/10 h2o42 (0259059)
31)	Sample		27	D0923017	FFAST	c0i140489-003 9/15/10 h2o42 (0259059)
32)	Sample		28	D0923018	FFAST	c0i140489-004 9/15/10 h2o42 (0259059)
33)	Sample		29	D0923019	FFAST	c0i140489-005 9/15/10 h2o42 (0259059)
34)	Sample		30	D0923020	FFAST	c0i140489-006 9/15/10 h2o42 (0259059)
35)	Sample		31	D0923021	FFAST	c0i140489-007 9/15/10 h2o42 (0259059)
36)	Sample		32	D0923022	FFAST Reran	c0i140489-008 9/15/10 h2o42 (0259059)
37)	Sample		33	D0923023	FFAST Reran	c0i140489-009 9/15/10 h2o42 (0259059)
38)	Sample		100	D0923CL3	FFAST	Clean out blank
39)	Sample		100	D0923CL4	FFAST	Clean out blank
40)	Sample		100	D0923CL5	FFAST	Clean out blank
41)	Sample		100	D0923CL6	FFAST	Clean out blank
42)	Sample		100	D0923CL7	FFAST	Clean out blank
43)	Sample		100	D0923CL8	FFAST	Clean out blank

Bytes Needed: 20858113 Space on drive C: 10473844736
Sequence Verification Done!

Initial Cal for 8270D

possible soil extraction

mCg 9-27-10

NEW COLUMN & NEW MULTIPLIER ON 9-22-10

REQUESTED BY: **MERRIMAJ**

METHOD: 42 Base/Neutrals & Acids (8270C) Low Level Curve

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD
23C	L9HH3-1-AC		909517	356280	A-4F-42	C0K030562	001		SOLID	0	2	1
23C	L9HH6-1-AK		909518	356280	A-4F-42	C0K030562	002		SOLID	0	2	1
23C	L9HH8-1-AK		909519	356280	A-4F-42	C0K030562	003		SOLID	0	2	1
23C	L9HH9-1-AK		909520	356280	A-4F-42	C0K030562	004		SOLID	0	2	1
23C	L9HJC-1-AK		909521	356280	A-4F-42	C0K030562	005		SOLID	0	2	1
23C	L9HJD-1-AK		909522	356280	A-4F-42	C0K030562	006		SOLID	0	2	1
23C	L9HJF-1-AK		909523	356280	A-4F-42	C0K030562	007		SOLID	0	2	1
23C	L9HJG-1-AK		909524	356280	A-4F-42	C0K030562	008		SOLID	0	2	1

RELINQUISHED BY	RECEIVED BY	DATE/TIME
[signature]	[signature]	11-4-10 03:30
	Brian A. Price	11-4-10 07:30

***** END OF REPORT *****

PCB DATA

PCB
QC SUMMARY

SW846 8082 SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Lot #: C0K030562

Extraction: XXA4FQH01

	CLIENT ID.	SRG01	SRG02	TOT OUT
01	20100836 RSD10-01	0 D	0 D	02
02	20100837 SD10-01	0 D	0 D	02
03	20100838 SD10-DUP	0 D	0 D	02
04	20100839 SD10-06	0 D	0 D	02
05	20100840 SD10-08	0 D	0 D	02
06	20100841 SD10-03	0 D	0 D	02
07	20100842 SD10-04	0 D	0 D	02
08	20100876 RSD10-01SV	0 D	0 D	02
09	METHOD BLK. L9HXF1AA	103	86	00
10	LCS L9HXF1AC	103	92	00
11	20100837 SD10-01 D	0 D	0 D	02
12	20100837 SD10-01 S	0 D	0 D	02

SURROGATES		QC LIMITS
SRG01	= Tetrachloro-m-xylene	(35-140)
SRG02	= Decachlorobiphenyl	(35-140)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8082 CHECK SAMPLE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Lot #: C0K040000 WO #: L9HXF1AC
BATCH: 0308058

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	667	504	76	55 - 130	
Aroclor 1260	667	524	79	54 - 130	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Matrix Spike ID: 20100837 SD10-01 Level: (low/med) LOW

Lot #: C0K030562 WO #: L9HH61A7
BATCH: 0308058

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Aroclor 1016	3080	ND		0*	55 - 130	NC DIL
Aroclor 1260	3080	ND		0*	54 - 130	NC DIL

NOTES(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 2 out of 2 outside limits

COMMENTS:

FORM III

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: Leo Brausch Consulting

Lab Code: TALPIT SDG No:

Matrix Spike ID: 20100837 SD10-01 Level:(low/med) LOW

Lot #: C0K030562 WO #: L9HH61A8
BATCH: 0308058

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Aroclor 1016	3080		0*		35	55 - 130	NC DIL
Aroclor 1260	3080		0*		29	54 - 130	NC DIL

NOTES(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 2 out of 2 outside limits

COMMENTS:

FORM III

SW846 8082 METHOD BLANK SUMMARY

BLANK WORKORDER NO.: L9HXF1AA

Lab Name: TestAmerica Laboratories, Inc.

Lab Code: TALPIT

SDG Number:

Lab File ID: S1100768.

Lot Number: C0K030562

Matrix: SOLID

Extraction Method: 3541

Date Extracted: 11/04/10

Date Analyzed(1): 11/21/10

Date Analyzed(2): N/A

Time Analyzed(1): 09:42

Time Analyzed(2): N/A

Instrument ID(1): S/T

Instrument ID(2): N/A

GC Column(1): MR1/MR2 ID: 053 GC Column(2): N/A ID: N/A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED(1)	DATE ANALYZED(2)
01	20100836 RSD10-01	L9HH31AD	11/21/10	N/A
02	20100837 SD10-01	L9HH61AL	11/21/10	N/A
03	20100837 SD10-01	L9HH61A7 S	11/21/10	N/A
04	20100837 SD10-01	L9HH61A8 D	11/21/10	N/A
05	20100838 SD10-DUP	L9HH81AL	11/21/10	N/A
06	20100839 SD10-06	L9HH91AL	11/21/10	N/A
07	20100840 SD10-08	L9HJC1AL	11/21/10	N/A
08	20100841 SD10-03	L9HJD1AL	11/21/10	N/A
09	20100842 SD10-04	L9HJF1AL	11/21/10	N/A
10	20100876 RSD10-01SV	L9HJG1AL	11/21/10	N/A
11	CHECK SAMPLE	L9HXF1AC C	11/21/10	N/A
12				
13				
14				
15				
16				
17				
18				
19				
20				

COMMENTS:

FORM IV

PCB
SAMPLE DATA

Leo Brausch Consulting

Client Sample ID: 20100836 RSD10-01

GC Semivolatiles

Lot-Sample #...:	C0K030562-001	**Work Order #...:**	L9HH31AD	**Matrix.....:**	SOLID
Date Sampled...:	10/19/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308033
Prep Date.....:	11/04/10	**Analysis Date..:**	11/21/10		
Prep Batch #...:	0308058	**Analysis Time..:**	05:28		
Dilution Factor:	5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	87	**Analyst ID.....:**	402331	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	660	ug/kg	98
Aroclor 1221	ND	660	ug/kg	130
Aroclor 1232	ND	660	ug/kg	110
Aroclor 1242	ND	660	ug/kg	110
Aroclor 1248	ND	660	ug/kg	62
Aroclor 1254	ND	660	ug/kg	94
Aroclor 1260	ND	660	ug/kg	94

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(35 - 140)
Decachlorobiphenyl	NC,DIL	(35 - 140)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100758.D
Report Date: 21-Nov-2010 10:58

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc10.i\11150.b\S1100758.D
Lab Smp Id: L9HH31AD Client Smp ID: 20100836 RSD10-01
Inj Date : 21-NOV-2010 05:28
Operator : 402331 Inst ID: gc10.i
Smp Info : L9HH31AD,11150.b
Misc Info : C0K030562-001 10X
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc10.i\11150.b\PCBA.m
Meth Date : 21-Nov-2010 10:09 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 1
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.000	initial volume of sample
Cpnd Variable		Local Compound Variable

			CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.317	3.328	-0.011	72656	0.00218	14.538		
1 Aroclor-1221					CAS #: 11104-28-2		

Peaks not detected for Quant. or Qual. signal(s).

6 Aroclor-1016 CAS #: 12674-11-2

Peaks not detected for Quant. or Qual. signal(s).

7 Aroclor-1232 CAS #: 11141-16-5

Peaks not detected for Quant. or Qual. signal(s).

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100758.D
Report Date: 21-Nov-2010 10:58

				CONCENTRATIONS ON COL	FIN			
P	EXT RT	DLT RT	RESPONSE	ng	ug/Kg	TARGET RANGE		RATIO
##	########	########	########	#######	#######	##########		#####
	5 Aroclor-1242				CAS #: 53469-21-9			

Peaks not detected for Quant. or Qual. signal(s).

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6 Aroclor-1248 CAS #: 12672-29-6

Peaks not detected for Quant. or Qual. signal(s).

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7 Aroclor-1254 CAS #: 11097-69-1

8.617	8.632	-0.015	527	4e-004	2.7138	0.00-	0.00	0.00(a)
9.198	9.217	-0.019	577	5e-004	3.5127	112.23-	112.23	0.00
9.403	9.417	-0.014	642	4e-004	2.4342	97.40-	97.40	0.00
10.115	10.132	-0.017	423	4e-004	2.4450	71.09-	71.09	0.00
10.794	10.737	0.057	444	8.e-004	5.3274	85.01-	85.01	0.00

Average of Peak Concentrations = 3.2866

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8 Aroclor-1260 CAS #: 11096-82-5

Operator disabled compound identification.

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9 Aroclor-1262 CAS #: 37324-23-5

Peaks not detected for Quant. or Qual. signal(s).

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10 Aroclor-1268 CAS #: 11100-14-4

Operator disabled compound identification.

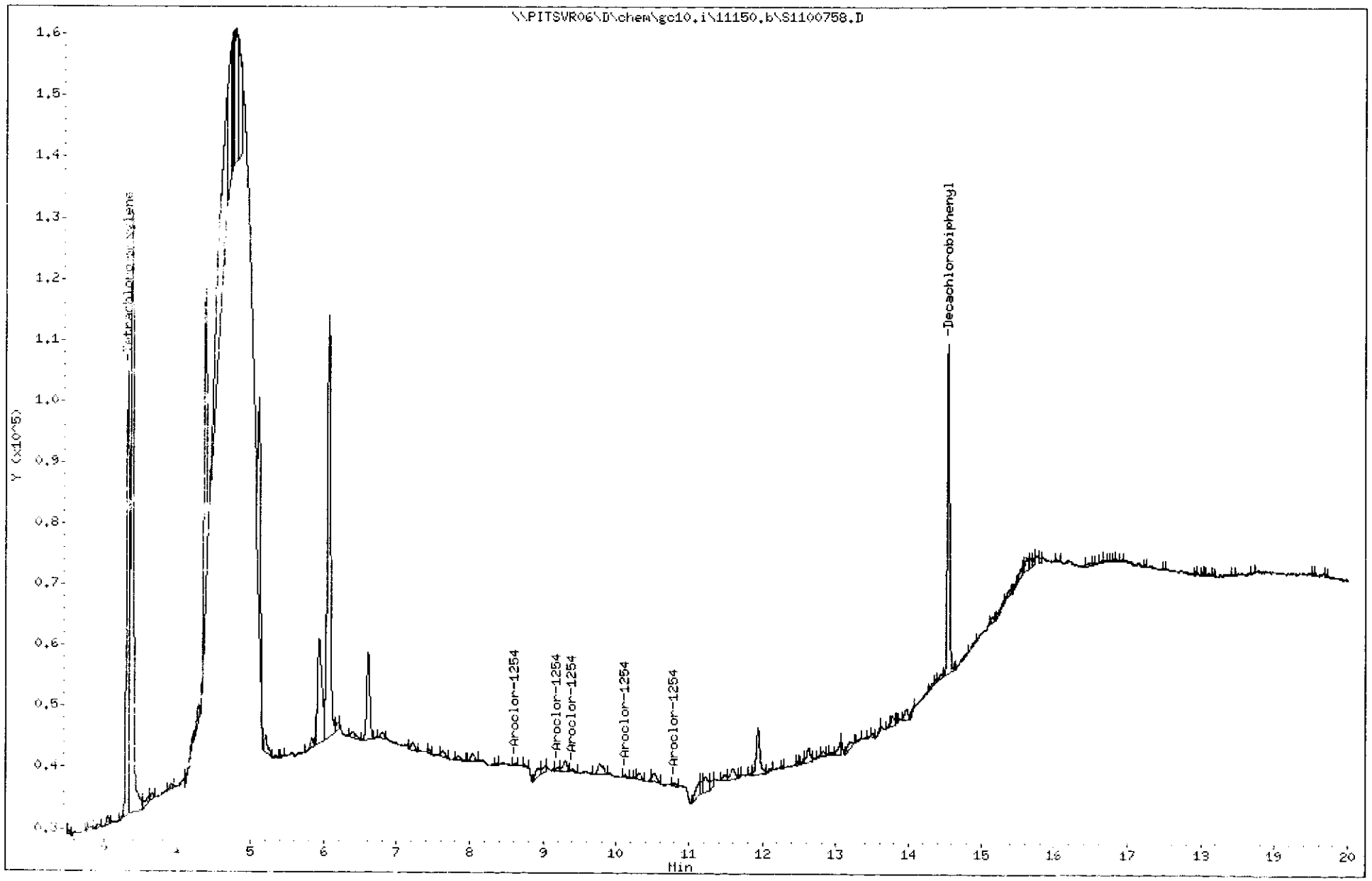
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.551	14.562	-0.011	53722	0.00193	12.881		

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100758.D
Date : 21-NOV-2010 05:28
Client ID: 20100836 RSD10-01
Sample Info: L9HH31AD,11150.b
Volume Injected (uL): 1.0
Column phase: MR-1

Instrument: gc10.i
Operator: 402331
Column diameter: 0.53



(2001 - 2150)
2012
C0K030562

Leo Brausch Consulting

Client Sample ID: 20100837 SD10-01

GC Semivolatiles

Lot-Sample #...:	C0K030562-002	**Work Order #...:**	L9HH61AL	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308033
Prep Date.....:	11/04/10	**Analysis Date..:**	11/21/10		
Prep Batch #...:	0308058	**Analysis Time..:**	05:54		
Dilution Factor:	4.93	**Initial Wgt/Vol:**	15.2 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	78	**Analyst ID.....:**	402331	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	380	ug/kg	57
Aroclor 1221	ND	380	ug/kg	73
Aroclor 1232	ND	380	ug/kg	65
Aroclor 1242	ND	380	ug/kg	62
Aroclor 1248	ND	380	ug/kg	36
Aroclor 1254	**700**	**380**	**ug/kg**	**54**
Aroclor 1260	ND	380	ug/kg	54

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(35 - 140)
Decachlorobiphenyl	NC,DIL	(35 - 140)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100759.D
Report Date: 21-Nov-2010 10:58

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc10.i\11150.b\S1100759.D
Lab Smp Id: L9HH61AL Client Smp ID: 20100837 SD10-01
Inj Date : 21-NOV-2010 05:54
Operator : 402331 Inst ID: gc10.i
Smp Info : L9HH61AL,11150.b
Misc Info : C0K030562-002 10X
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc10.i\11150.b\PCBA.m
Meth Date : 21-Nov-2010 10:09 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 2
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.200	initial volume of sample
Cpnd Variable		Local Compound Variable

			CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.319	3.328	-0.009	72938	0.00219	14.402		
1 Aroclor-1221					CAS #: 11104-28-2		

Peaks not detected for Quant. or Qual. signal(s).

- A roclor-1016 CAS #: 12674-11-2

Peaks not detected for Quant. or Qual. signal(s).

3 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

Data File: \\PITSVR06\D\chem\gc10.1\11150.b\S1100759.D
Report Date: 21-Nov-2010 10:58

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		

Operator disabled compound identification.

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
6 Aroclor-1248					CAS #: 12672-29-6		

Peaks not detected for Quant. or Qual. signal(s).

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
7 Aroclor-1254					CAS #: 11097-69-1		
8.619	8.632	-0.013	36575	0.02825	185.87	0.00- 0.00	0.00(a)
9.204	9.217	-0.013	18817	0.01718	113.02	112.23- 112.23	0.00
9.403	9.417	-0.014	51423	0.02925	192.41	97.40- 97.40	0.00
10.116	10.132	-0.016	31421	0.02724	179.23	71.09- 71.09	0.00
10.724	10.737	-0.013	7193	0.01295	85.170	85.01- 85.01	0.00
Average of Peak Concentrations =					151.14		

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
8 Aroclor-1260					CAS #: 11096-82-5		

Operator disabled compound identification.

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
9 Aroclor-1262					CAS #: 37324-23-5		

Peaks not detected for Quant. or Qual. signal(s).

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
10 Aroclor-1268					CAS #: 11100-14-4		

Operator disabled compound identification.

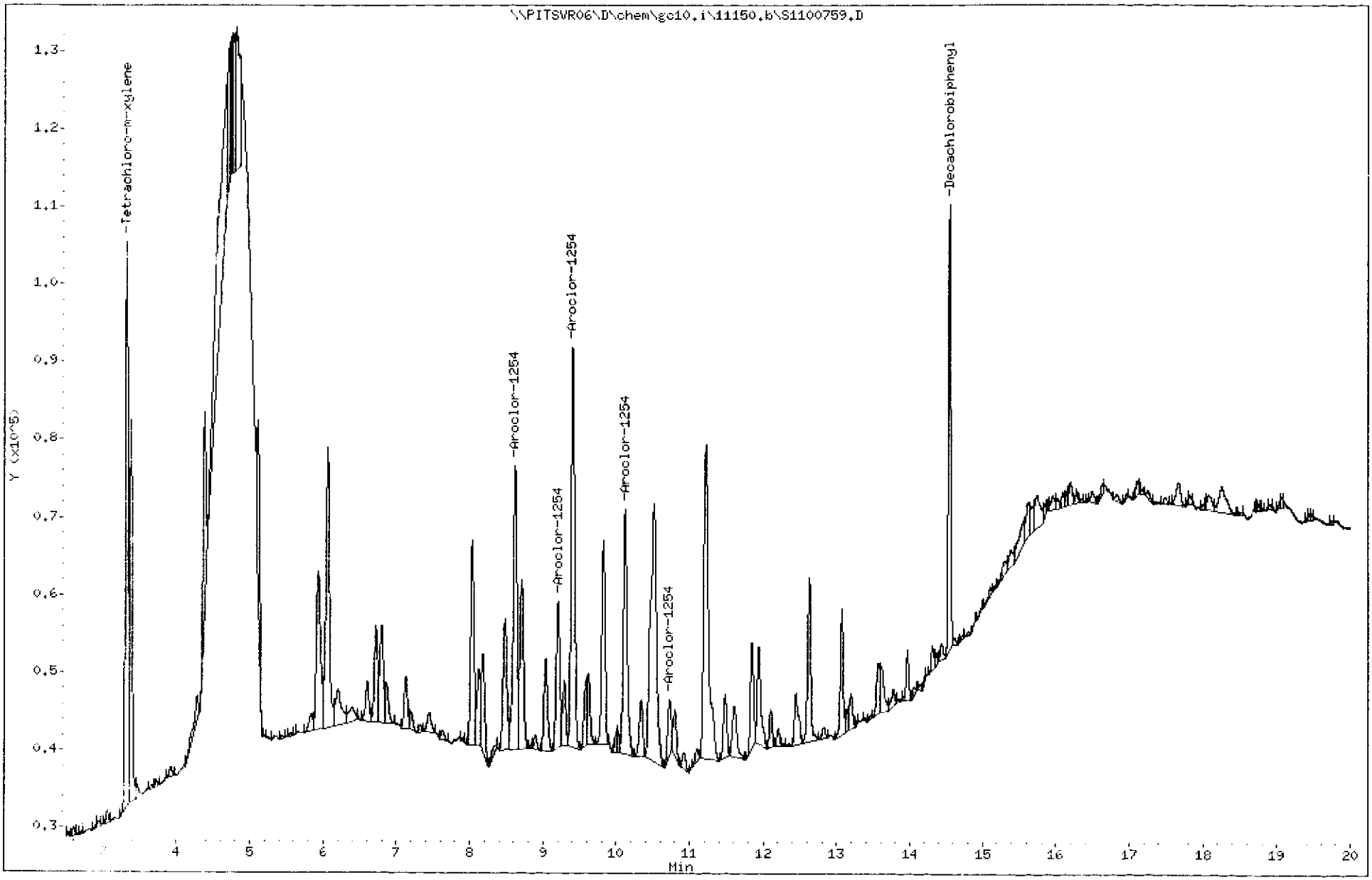
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.551	14.562	-0.011	57253	0.00206	13.547		

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100759.D
Date : 21-NOV-2010 05:54
Client ID: 20100837 SD10-01
Sample Info: L9HH61AL,11150.b
Volume Injected (uL): 1.0
Column phase: MR-1

Instrument: gc10.i
Operator: 402331
Column diameter: 0.53



(2001 - 2150)
2016
C0K030562

Leo Brausch Consulting

Client Sample ID: 20100838 SD10-DUP

GC Semivolatiles

Lot-Sample #...:	C0K030562-003	**Work Order #...:**	L9HH81AL	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308033
Prep Date.....:	11/04/10	**Analysis Date..:**	11/21/10		
Prep Batch #...:	0308058	**Analysis Time..:**	07:10		
Dilution Factor:	4.97	**Initial Wgt/Vol:**	15.1 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	78	**Analyst ID.....:**	402331	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	380	ug/kg	56
Aroclor 1221	ND	380	ug/kg	72
Aroclor 1232	ND	380	ug/kg	65
Aroclor 1242	ND	380	ug/kg	61
Aroclor 1248	ND	380	ug/kg	36
Aroclor 1254	**800**	**380**	**ug/kg**	**54**
Aroclor 1260	ND	380	ug/kg	54

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(35 - 140)
Decachlorobiphenyl	NC,DIL	(35 - 140)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100762.D
Report Date: 21-Nov-2010 10:58

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc10.i\11150.b\S1100762.D
Lab Smp Id: L9HH81AL Client Smp ID: 20100838 SD10-DUP
Inj Date : 21-NOV-2010 07:10
Operator : 402331 Inst ID: gc10.i
Smp Info : L9HH81AL,11150.b
Misc Info : C0K030562-003 10X
Comment   : 8082 PCB ANALYSIS
Method   : \\PITSVR06\D\chem\gc10.i\11150.b\PCBA.m
Meth Date : 21-Nov-2010 10:09 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 7
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.100	initial volume of sample
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.317	3.328	-0.011	69756	0.00209	13.865		
1 Aroclor-1221					CAS #: 11104-28-2		

Peaks not detected for Quant. or Qual. signal(s).

4 Aroclor-1016 CAS #: 12674-11-2

Peaks not detected for Quant. or Qual. signal(s).

5 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100762.D
Report Date: 21-Nov-2010 10:58

				CONCENTRATIONS ON COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	ng)	(ug/Kg)	TARGET RANGE	RATIO

5 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

6 Aroclor-1248 CAS #: 12672-29-6

Peaks not detected for Quant. or Qual. signal(s).

7 Aroclor-1254 CAS #: 11097-69-1

8.618	8.632	-0.014	43097	0.03329	220.46	0.00-	0.00	0.00(a)
9.201	9.217	-0.016	22022	0.02011	133.18	112.23-	112.23	0.00
9.401	9.417	-0.016	61344	0.03489	231.05	97.40-	97.40	0.00
10.117	10.132	-0.015	36756	0.03187	211.05	71.09-	71.09	0.00
10.722	10.737	-0.015	7081	0.01274	84.399	85.01-	85.01	0.00

Average of Peak Concentrations = 176.03

8 Aroclor-1260 CAS #: 11096-82-5

Operator disabled compound identification.

9 Aroclor-1262 CAS #: 37324-23-5

Peaks not detected for Quant. or Qual. signal(s).

10 Aroclor-1268 CAS #: 11100-14-4

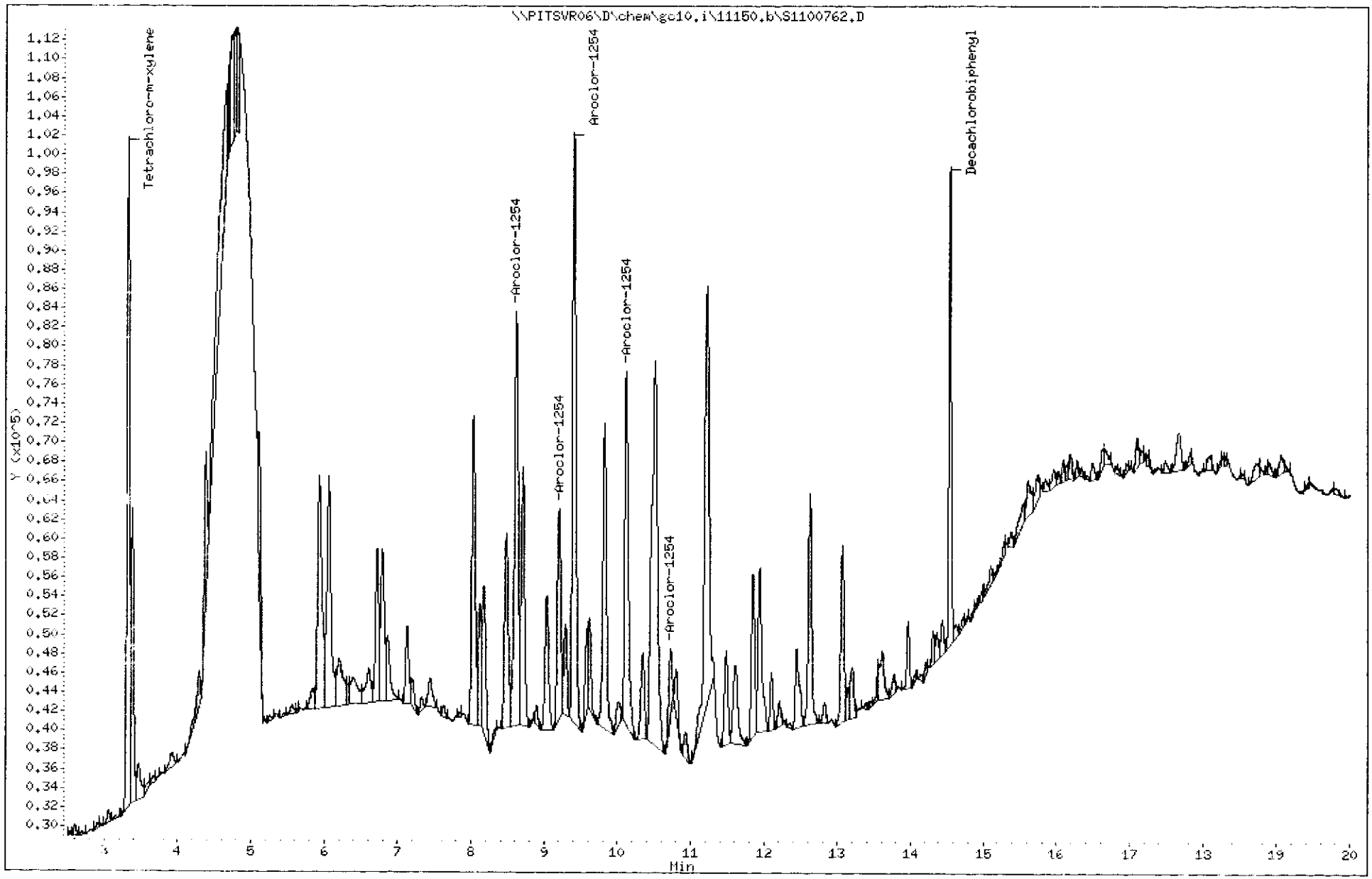
Operator disabled compound identification.

$ 11 Decachlorobiphenyl					CAS #: 2051-24-3			
14.552	14.562	-0.010	49904	0.00179	11.886			

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100762.D
Date : 21-NOV-2010 07:10
Client ID: 20100833 SD10-DUP
Instrument: gc10.i
Sample Info: L9HH81AL,11150,b
Volume Injected (uL): 1.0
Operator: 402331
Column phase: MR-1
Column diameter: 0.53



(2001 - 2150)
2020
C0K030562

Leo Brausch Consulting

Client Sample ID: 20100839 SD10-06

GC Semivolatiles

Lot-Sample #...:	C0K030562-004	**Work Order #...:**	L9HH91AL	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308033
Prep Date.....:	11/04/10	**Analysis Date..:**	11/21/10		
Prep Batch #...:	0308058	**Analysis Time..:**	07:35		
Dilution Factor:	5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	68	**Analyst ID.....:**	402331	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	260	ug/kg	39
Aroclor 1221	ND	260	ug/kg	50
Aroclor 1232	ND	260	ug/kg	45
Aroclor 1242	ND	260	ug/kg	43
Aroclor 1248	ND	260	ug/kg	25
Aroclor 1254	**260**	**260**	**ug/kg**	**37**
Aroclor 1260	ND	260	ug/kg	37

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(35 - 140)
Decachlorobiphenyl	NC,DIL	(35 - 140)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100763.D
Report Date: 21-Nov-2010 10:58

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc10.i\11150.b\S1100763.D
Lab Smp Id: L9HH91AL Client Smp ID: 20100839 SD10-06
Inj Date : 21-NOV-2010 07:35
Operator : 402331 Inst ID: gc10.i
Smp Info : L9HH91AL,11150.b
Misc Info : C0K030562-004 10X
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc10.i\11150.b\PCBA.m
Meth Date : 21-Nov-2010 10:09 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 8
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.000	initial volume of sample
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.317	3.328	-0.011	63753	0.00191	12.756		
1 Aroclor-1221					CAS #: 11104-28-2		
Peaks not detected for Quant. or Qual. signal(s).							
4 Aroclor-1016					CAS #: 12674-11-2		
Peaks not detected for Quant. or Qual. signal(s).							
7 Aroclor-1232					CAS #: 11141-16-5		
Operator disabled compound identification.							

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100763.D
Report Date: 21-Nov-2010 10:58

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON COLUMN FINAL (ug/Kg)	TARGET RANGE	RATIO

5 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

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6 Aroclor-1248 CAS #: 12672-29-6

Peaks not detected for Quant. or Qual. signal(s).

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7 Aroclor-1254 CAS #: 11097-69-1

8.618	8.632	-0.014	21545	0.01664	110.95	0.00- 0.00		0.00(a)
9.200	9.217	-0.017	9696	0.00885	59.027	112.23- 112.23		0.00
9.405	9.417	-0.012	30267	0.01721	114.76	97.40- 97.40		0.00
10.115	10.132	-0.017	17532	0.01520	101.34	71.09- 71.09		0.00
10.725	10.737	-0.012	3024	0.00544	36.284	85.01- 85.01		0.00

Average of Peak Concentrations = 84.472

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8 Aroclor-1260 CAS #: 11096-82-5

Operator disabled compound identification.

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9 Aroclor-1262 CAS #: 37324-23-5

Peaks not detected for Quant. or Qual. signal(s).

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10 Aroclor-1268 CAS #: 11100-14-4

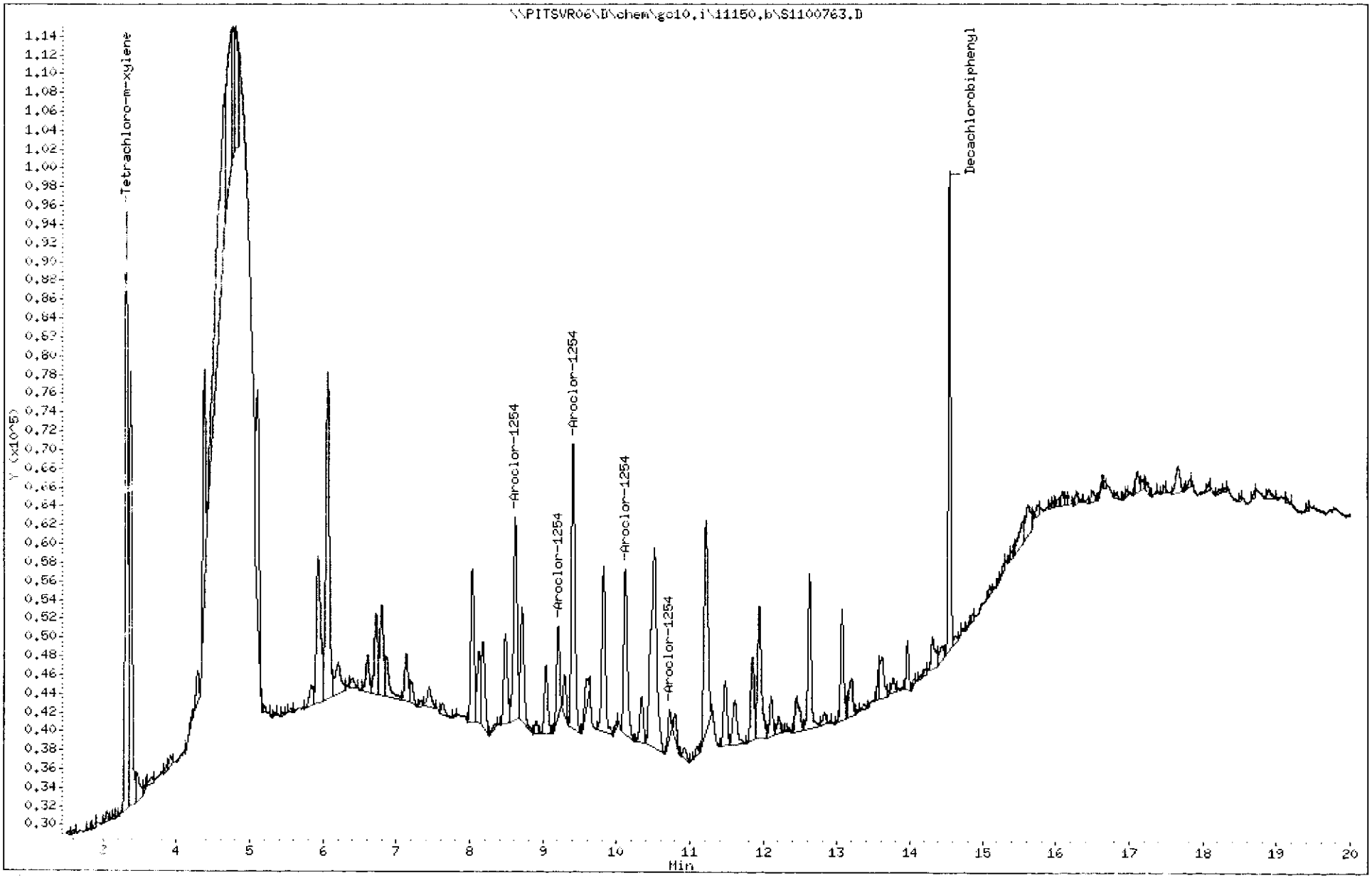
Peaks not detected for Quant. or Qual. signal(s).

$ 11 Decachlorobiphenyl					CAS #: 2051-24-3			
14.552	14.562	-0.010	51042	0.00184	12.238			

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100763.D
Date : 21-NOV-2010 07:35
Client ID: 20100839 SD10-06
Instrument: gc10.i
Sample Info: L9HH91AL,11150,b
Volume Injected (uL): 1.0
Operator: 402331
Column phase: HR-1
Column diameter: 0.53



(2001 - 2150)
2024
C0K030562

Leo Brausch Consulting

Client Sample ID: 20100840 SD10-08

GC Semivolatiles

Lot-Sample #...:	C0K030562-005	**Work Order #...:**	L9HJC1AL	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308033
Prep Date.....:	11/04/10	**Analysis Date..:**	11/21/10		
Prep Batch #...:	0308058	**Analysis Time..:**	08:00		
Dilution Factor:	4.87	**Initial Wgt/Vol:**	15.4 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	72	**Analyst ID.....:**	402331	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	290	ug/kg	44
Aroclor 1221	ND	290	ug/kg	56
Aroclor 1232	ND	290	ug/kg	50
Aroclor 1242	ND	290	ug/kg	48
Aroclor 1248	ND	290	ug/kg	28
Aroclor 1254	**520**	**290**	**ug/kg**	**42**
Aroclor 1260	ND	290	ug/kg	42

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(35 - 140)
Decachlorobiphenyl	NC,DIL	(35 - 140)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100764.D
Report Date: 21-Nov-2010 10:58

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc10.i\11150.b\S1100764.D
Lab Smp Id: L9HJC1AL Client Smp ID: 20100840 SD10-08
Inj Date : 21-NOV-2010 08:00
Operator : 402331 Inst ID: gc10.i
Smp Info : L9HJC1AL,11150.b
Misc Info : C0K030562-005 10X
Comment   : 8082 PCB ANALYSIS
Method   : \\PITSVR06\D\chem\gc10.i\11150.b\PCBA.m
Meth Date : 21-Nov-2010 10:09 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 9
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.400	initial volume of sample
Cpnd Variable		Local Compound Variable

			CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	ng	(ug/Kg)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.318	3.328	-0.010	71220	0.00214	13.880		
1 Aroclor-1221					CAS #: 11104-28-2		

Peaks not detected for Quant. or Qual. signal(s).

4 Aroclor-1016 CAS #: 12674-11-2

Peaks not detected for Quant. or Qual. signal(s).

3 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100764.D
Report Date: 21-Nov-2010 10:58

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATION ON-COL (ng)	CONCENTRATION (ug/Kg)	TARGET RANGE	RATIO
9 Aroclor-1262					CAS # 37324-23-5		

Operator disabled compound identification.

6 Aroclor-1248					CAS #: 12672-29-6		

Peaks not detected for Quant. or Qual. signal(s).

7 Aroclor-1254					CAS #: 11097-69-1		
8.615	8.632	-0.017	35636	0.02753	178.74	0.00- 0.00	0.00(a)
9.203	9.217	-0.014	16965	0.01549	100.60	112.23- 112.23	0.00
9.402	9.417	-0.015	50871	0.02893	187.88	97.40- 97.40	0.00
10.117	10.132	-0.015	21728	0.02750	178.56	71.09- 71.09	0.00
10.724	10.737	-0.013	5867	0.01056	68.567	85.01- 85.01	0.00
		Average of Peak Concentrations =			142.87		

8 Aroclor-1260					CAS #: 11096-82-5		

Operator disabled compound identification.

9 Aroclor-1262					CAS #: 37324-23-5		

Peaks not detected for Quant. or Qual. signal(s).

10 Aroclor-1268					CAS #: 11100-14-4		

Operator disabled compound identification.

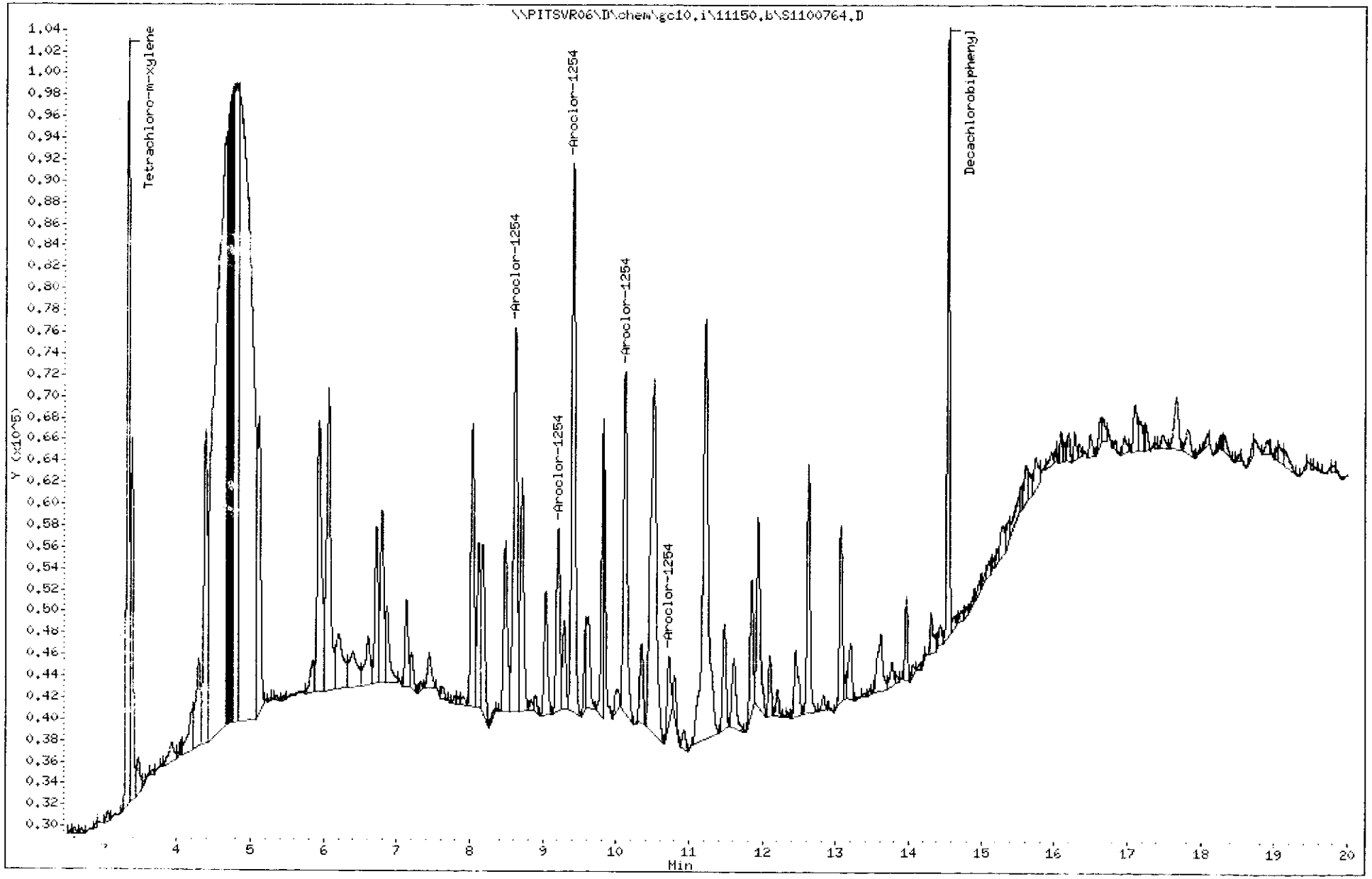
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.553	14.562	-0.009	56465	0.00203	13.187		

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100764.D
Date : 21-NOV-2010 08:00
Client ID: 20100840 SD10-08
Sample Info: L9HJC1AL,11150,b
Volume Injected (uL): 1.0
Column phase: MR-1

Instrument: gc10.i
Operator: 402331
Column diameter: 0.53



(2001 - 2150)
2028
C0K030562

Leo Brausch Consulting

Client Sample ID: 20100841 SD10-03

GC Semivolatiles

Lot-Sample #...:	C0K030562-006	**Work Order #...:**	L9HJD1AL	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308033
Prep Date.....:	11/04/10	**Analysis Date..:**	11/21/10		
Prep Batch #...:	0308058	**Analysis Time..:**	08:26		
Dilution Factor:	5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	73	**Analyst ID.....:**	402331	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	310	ug/kg	46
Aroclor 1221	ND	310	ug/kg	58
Aroclor 1232	ND	310	ug/kg	52
Aroclor 1242	ND	310	ug/kg	50
Aroclor 1248	ND	310	ug/kg	29
Aroclor 1254	**480**	**310**	**ug/kg**	**44**
Aroclor 1260	ND	310	ug/kg	44

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(35 - 140)
Decachlorobiphenyl	NC,DIL	(35 - 140)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100765.D
Report Date: 21-Nov-2010 10:58

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc10.i\11150.b\S1100765.D
Lab Smp Id: L9HJD1AL Client Smp ID: 20100841 SD10-03
Inj Date : 21-NOV-2010 08:26
Operator : 402331 Inst ID: gc10.i
Smp Info : L9HJD1AL,11150.b
Misc Info : C0K030562-006 10X
Comment   : 8082 PCB ANALYSIS
Method   : \\PITSVR06\D\chem\gc10.i\11150.b\PCBA.m
Meth Date : 21-Nov-2010 10:09 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 10
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.000	initial volume of sample
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.318	3.328	-0.010	69687	0.00209	13.943		
1 Aroclor-1221					CAS #: 11104-28-2		
Peaks not detected for Quant. or Qual. signal(s).							
4 Aroclor-1016					CAS #: 12674-11-2		
Peaks not detected for Quant. or Qual. signal(s).							
3 Aroclor-1232					CAS #: 11141-16-5		
Operator disabled compound identification.							

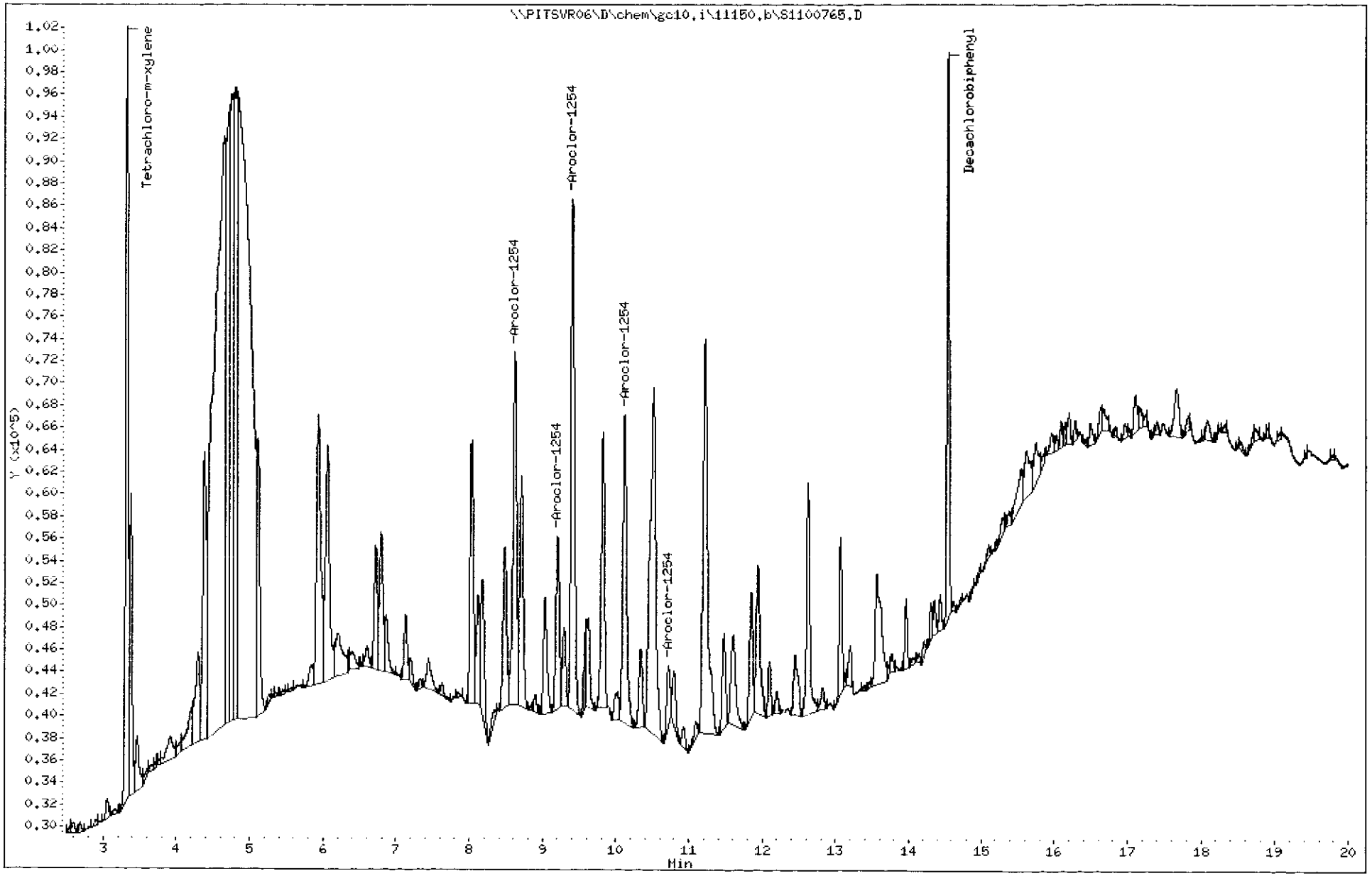
Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100765.D
Report Date: 21-Nov-2010 10:58

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
Operator disabled compound identification.							
6 Aroclor-1248					CAS #: 12672-29-6		
Peaks not detected for Quant. or Qual. signal(s).							
7 Aroclor-1254					CAS #: 11097-69-1		
8.618	8.632	-0.014	31795	0.02456	163.74	0.00- 0.00	0.00(a)
9.197	9.217	-0.020	15470	0.01413	94.178	112.23- 112.23	0.00
9.403	9.417	-0.014	46014	0.02617	174.47	97.40- 97.40	0.00
10.115	10.132	-0.017	27716	0.02403	160.20	71.09- 71.09	0.00
10.722	10.737	-0.015	5390	0.00970	64.672	85.01- 85.01	0.00
Average of Peak Concentrations =					131.45		
8 Aroclor-1260					CAS #: 11096-82-5		
Operator disabled compound identification.							
9 Aroclor-1262					CAS #: 37324-23-5		
Peaks not detected for Quant. or Qual. signal(s).							
10 Aroclor-1268					CAS #: 11100-14-4		
Operator disabled compound identification.							
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.550	14.562	-0.012	50926	0.00183	12.210		

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100765.D
Date : 21-NOV-2010 08:26
Client ID: 20100841 SD10-03
Instrument: gc10.i
Sample Info: L9HJD1AL,11150.b
Volume Injected (uL): 1.0
Operator: 402331
Column phase: MR-1
Column diameter: 0.53



(2001 - 2150)
2032
C0K030562

Leo Brausch Consulting

Client Sample ID: 20100842 SD10-04

GC Semivolatiles

Lot-Sample #...:	C0K030562-007	**Work Order #...:**	L9HJF1AL	**Matrix.....:**	SOLID
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308033
Prep Date.....:	11/04/10	**Analysis Date..:**	11/21/10		
Prep Batch #...:	0308058	**Analysis Time..:**	08:51		
Dilution Factor:	5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	70	**Analyst ID.....:**	402331	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	280	ug/kg	42
Aroclor 1221	ND	280	ug/kg	54
Aroclor 1232	ND	280	ug/kg	48
Aroclor 1242	ND	280	ug/kg	46
Aroclor 1248	ND	280	ug/kg	27
Aroclor 1254	**550**	**280**	**ug/kg**	**40**
Aroclor 1260	ND	280	ug/kg	40

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(35 - 140)
Decachlorobiphenyl	NC,DIL	(35 - 140)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100766.D
Report Date: 21-Nov-2010 10:58

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc10.i\11150.b\S1100766.D
Lab Smp Id: L9HJF1AL Client Smp ID: 20100842 SD10-04
Inj Date : 21-NOV-2010 08:51
Operator : 402331 Inst ID: gc10.i
Smp Info : L9HJF1AL,11150.b
Misc Info : C0K030562-007 10X
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc10.i\11150.b\PCBA.m
Meth Date : 21-Nov-2010 10:09 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 11
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.000	initial volume of sample
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.317	3.328	-0.011	72052	0.00216	14.417		
1 Aroclor-1221					CAS #: 11104-28-2		
Peaks not detected for Quant. or Qual. signal(s).							
4 Aroclor-1016					CAS #: 12674-11-2		
Peaks not detected for Quant. or Qual. signal(s).							
3 Aroclor-1232					CAS #: 11141-16-5		
Operator disabled compound identification.							

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100766.D
Report Date: 21-Nov-2010 10:58

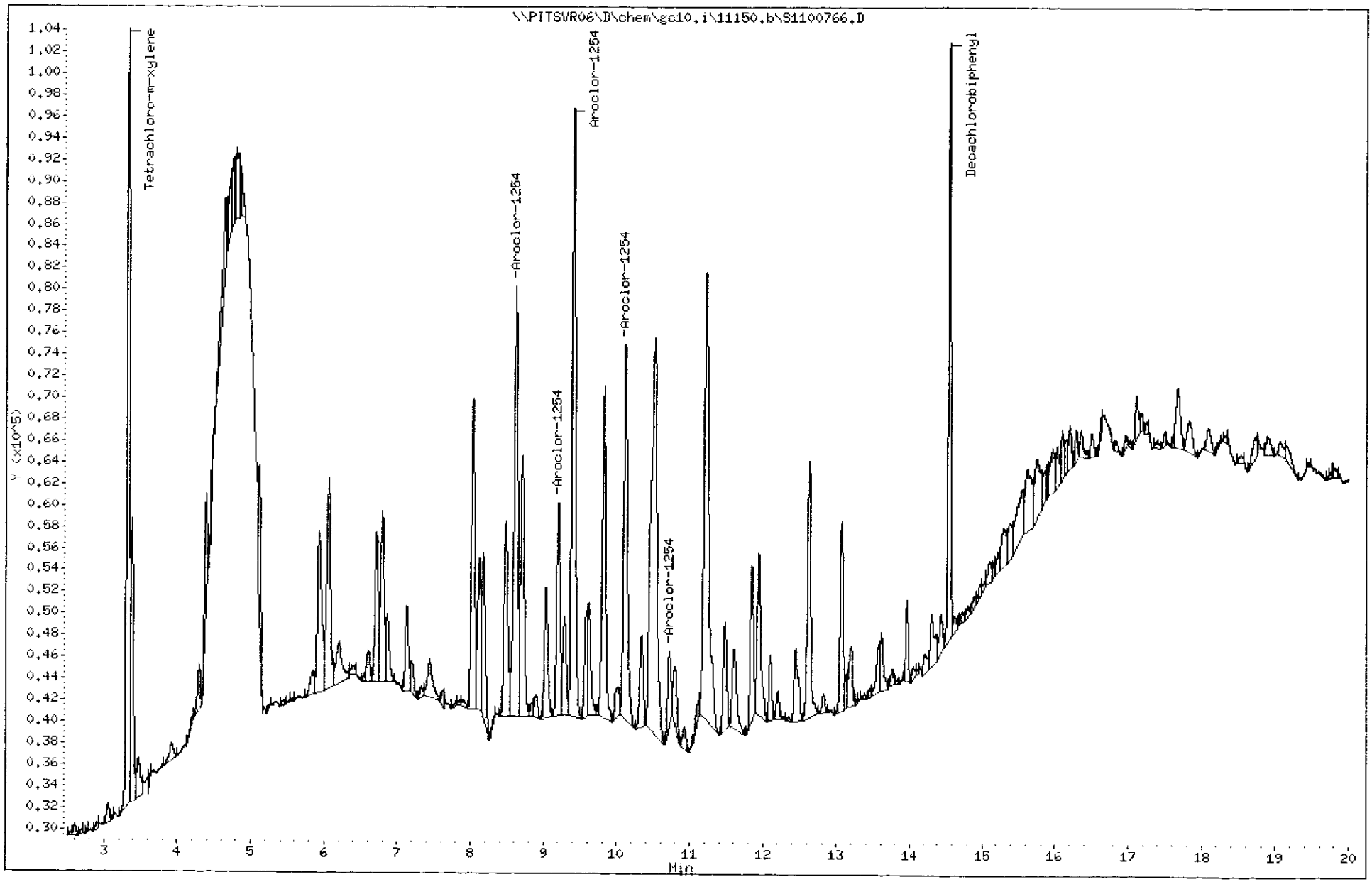
RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
Operator disabled compound identification.							
6 Aroclor-1248					CAS #: 12672-29-6		
Peaks not detected for Quant. or Qual. signal(s).							
7 Aroclor-1254					CAS #: 11097-69-1		
8.615	8.632	-0.017	39794	0.03074	204.92	0.00- 0.00	0.00(a)
9.199	9.217	-0.018	19711	0.01800	120.00	112.23- 112.23	0.00
9.404	9.417	-0.013	56315	0.03203	213.53	97.40- 97.40	0.00
10.113	10.132	-0.019	34626	0.03002	200.14	71.09- 71.09	0.00
10.722	10.737	-0.015	6729	0.01211	80.739	85.01- 85.01	0.00
Average of Peak Concentrations = 163.86							
8 Aroclor-1260					CAS #: 11096-82-5		
Operator disabled compound identification.							
9 Aroclor-1262					CAS #: 37324-23-5		
Peaks not detected for Quant. or Qual. signal(s).							
10 Aroclor-1268					CAS #: 11100-14-4		
Operator disabled compound identification.							
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.552	14.562	-0.010	55235	0.00199	13.244		

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100766.D
Date : 21-NOV-2010 08:51
Client ID: 20100842 SD10-04
Sample Info: L9HJF1AL,11150.b
Volume Injected (uL): 1.0
Column phase: MR-1

Instrument: gc10.i
Operator: 402331
Column diameter: 0.53



(2001 - 2150)
2036
C0K030562

Leo Brausch Consulting

Client Sample ID: 20100876 RSD10-01SV

GC Semivolatiles

Lot-Sample #...:	C0K030562-008	**Work Order #...:**	L9HJG1AL	**Matrix.....:**	SOLID
Date Sampled...:	10/19/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308033
Prep Date.....:	11/04/10	**Analysis Date..:**	11/21/10		
Prep Batch #...:	0308058	**Analysis Time..:**	09:16		
Dilution Factor:	4.9	**Initial Wgt/Vol:**	15.3 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	88	**Analyst ID.....:**	402331	**Instrument ID..:**	S/T
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	710	ug/kg	100
Aroclor 1221	ND	710	ug/kg	130
Aroclor 1232	ND	710	ug/kg	120
Aroclor 1242	ND	710	ug/kg	110
Aroclor 1248	ND	710	ug/kg	67
Aroclor 1254	ND	710	ug/kg	100
Aroclor 1260	ND	710	ug/kg	100

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(35 - 140)
Decachlorobiphenyl	NC,DIL	(35 - 140)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100767.D
Report Date: 21-Nov-2010 10:58

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc10.i\11150.b\S1100767.D
Lab Smp Id: L9HJG1AL Client Smp ID: 20100876 RSD10-01
Inj Date : 21-NOV-2010 09:16
Operator : 402331 Inst ID: gc10.i
Smp Info : L9HJG1AL,11150.b
Misc Info : C0K030562-008 10X
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc10.i\11150.b\PCBA.m
Meth Date : 21-Nov-2010 10:09 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 12
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.300	initial volume of sample
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.318	3.328	-0.010	76953	0.00231	15.095		
1 Aroclor-1221					CAS #: 11104-28-2		
Peaks not detected for Quant. or Qual. signal(s).							
4 Aroclor-1016					CAS #: 12674-11-2		
Peaks not detected for Quant. or Qual. signal(s).							
3 Aroclor-1232					CAS #: 11141-16-5		
Peaks not detected for Quant. or Qual. signal(s).							

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100767.D
Report Date: 21-Nov-2010 10:58

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO

5 Aroclor-1242 CAS #: 53469-21-9

Peaks not detected for Quant. or Qual. signal(s).

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6 Aroclor-1248 CAS #: 12672-29-6

Peaks not detected for Quant. or Qual. signal(s).

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7 Aroclor-1254 CAS #: 11097-69-1

Peaks not detected for Quant. or Qual. signal(s).

---

8 Aroclor-1260 CAS #: 11096-82-5

Operator disabled compound identification.

---

9 Aroclor-1262 CAS #: 37324-23-5

Peaks not detected for Quant. or Qual. signal(s).

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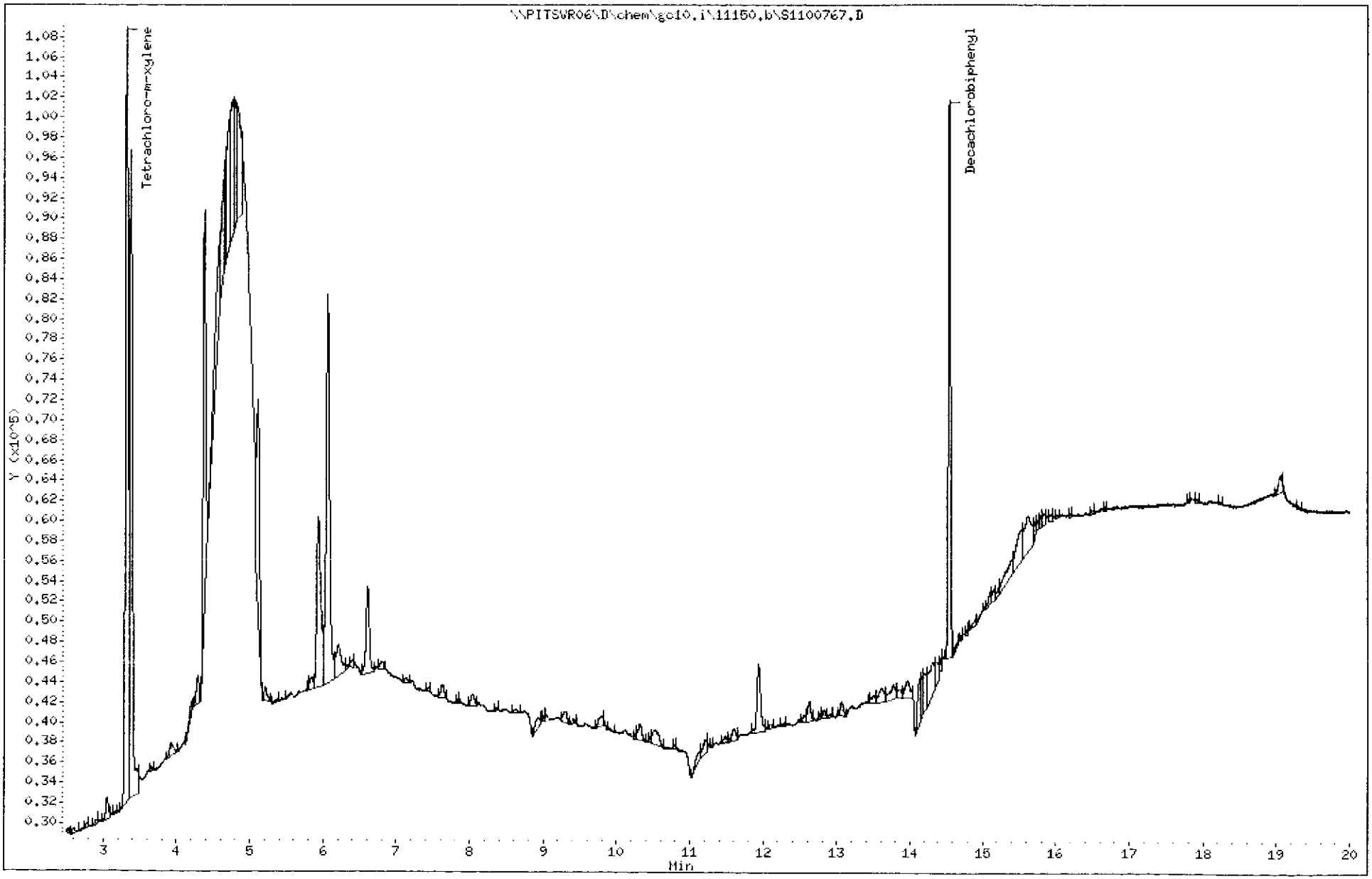
10 Aroclor-1268 CAS #: 11100-14-4

Peaks not detected for Quant. or Qual. signal(s).

$ 11 Decachlorobiphenyl CAS #: 2051-24-3

14.551	14.562	-0.011		55133	0.00198	12.960	

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100767.D
Date : 21-NOV-2010 09:16
Client ID: 20100876 RSD10-01
Instrument: gc10.i
Sample Info: L9HJG1AL,11150.b
Volume Injected (uL): 1.0
Operator: 402331
Column phase: MR-1
Column diameter: 0.53



PCB
CALIBRATION DATA

Report Date : 17-Nov-2010 06:54

TA Pittsburgh

INITIAL CALIBRATION DATA

6E
HP6890 GC-10
MR-1

Start Cal Date : 15-NOV-2010 15:16
End Cal Date : 15-NOV-2010 22:03
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Last Edit : 17-Nov-2010 06:53 gc10.i
Curve Type : Average

Calibration File Names:
Level 1: \\pitsvr06\d\chem\gc10.i\11150.b\S1100511.D
Level 2: \\pitsvr06\d\chem\gc10.i\11150.b\S1100512.D
Level 3: \\pitsvr06\d\chem\gc10.i\11150.b\S1100513.D
Level 4: \\pitsvr06\d\chem\gc10.i\11150.b\S1100514.D
Level 5: \\pitsvr06\d\chem\gc10.i\11150.b\S1100515.D
Level 6: \\pitsvr06\d\chem\gc10.i\11150.b\S1100516.D
Level 7: \\pitsvr06\d\chem\gc10.i\11150.b\S1100510.D

Compound	0.05000 Level 1 / 0.01000 Level 7	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	RRF	% RSD	
1 Aroclor-1221(1)	+++++ / +++++	+++++	376246	+++++	+++++	+++++	376246	0.000	
(2)	+++++ / +++++	+++++	246856	+++++	+++++	+++++	246856	0.000	<-
(3)	+++++ / +++++	+++++	758710	+++++	+++++	+++++	758710	0.000	<-
3 Aroclor-1232(1) *	+++++ / +++++	+++++	286806	+++++	+++++	+++++	286806	0.000	
(2)	+++++ / +++++	+++++	133064	+++++	+++++	+++++	133064	0.000	<-
(3)	+++++ / +++++	+++++	284542	+++++	+++++	+++++	284542	0.000	<-
(4)	+++++ / +++++	+++++	267186	+++++	+++++	+++++	267186	0.000	<-
(5)	+++++ / +++++	+++++	355282	+++++	+++++	+++++	355282	0.000	<-

Report Date : 17-Nov-2010 06:54

TA Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 15-NOV-2010 15:16
End Cal Date : 15-NOV-2010 22:03
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Last Edit : 17-Nov-2010 06:53 gc10.i
Curve Type : Average

Compound	0.05000 Level 1	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	0.01000 Level 7	___ RRF	% RSD
4 Aroclor-1016(1)	963560	934715	850208	753393	667503	602613	837000	801284	16.702
(2)	597720	601115	566270	501208	433465	406887	536800	520495	14.815
(3)	724180	723415	693446	648868	556897	524133	708200	654163	12.568
(4)	634740	638090	614634	544803	471912	440888	534200	554181	14.223
(5)	417440	423900	398658	378333	314385	303343	383800	374266	12.742
5 Aroclor-1242(1)	774200	773740	705984	764444	653954	+++++	+++++	734464	7.241
(2)	520000	590450	553628	596288	523771	+++++	+++++	556827	6.442
(3)	483700	547810	519996	568636	509128	+++++	+++++	525854	6.310
(4)	621800	678770	679866	704108	647773	+++++	+++++	666463	4.799
(5)	313000	340960	368956	364708	353969	+++++	+++++	348319	6.464
6 Aroclor-1248(1)	+++++	+++++	1000112	+++++	+++++	+++++	+++++	1000112	0.000

Report Date : 17-Nov-2010 06:54

TA Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 15-NOV-2010 15:16
End Cal Date : 15-NOV-2010 22:03
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Last Edit : 17-Nov-2010 06:53 gc10.i
Curve Type : Average

Compound	0.05000 Level 1 / 0.01000 Level 7	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	RRF	% RSD	
(2)	+++++ / +++++	+++++	276062	+++++	+++++	+++++	276062	0.000	<-
(3)	+++++ / +++++	+++++	919064	+++++	+++++	+++++	919064	0.000	<-
(4)	+++++ / +++++	+++++	576054	+++++	+++++	+++++	576054	0.000	<-
(5)	+++++ / +++++	+++++	328444	+++++	+++++	+++++	328444	0.000	<-
7 Aroclor-1254(1)	+++++ / +++++	+++++	1294606	+++++	+++++	+++++	1294606	0.000	
(2)	+++++ / +++++	+++++	1095086	+++++	+++++	+++++	1095086	0.000	<-
(3)	+++++ / +++++	+++++	1758248	+++++	+++++	+++++	1758248	0.000	<-
(4)	+++++ / +++++	+++++	1153380	+++++	+++++	+++++	1153380	0.000	<-
(5)	+++++ / +++++	+++++	555620	+++++	+++++	+++++	555620	0.000	<-
8 Aroclor-1260(1)	1797620 / 1730800	1660970	1639652	1525966	1299387	1247507	1557415	13.592	
(2)	884420 / 816900	847760	851126	793714	684076	659779	791111	10.934	

Report Date : 17-Nov-2010 06:54

TA Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 15-NOV-2010 15:16
End Cal Date : 15-NOV-2010 22:03
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Last Edit : 17-Nov-2010 06:53 gc10.i
Curve Type : Average

Compound	0.05000 Level 1	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	0.01000 Level 7	RRF	% RSD	
(3)	1767740	1716515	1673202	1523646	1308117	1281339	1798500	1581294	13.578	
(4)	1318020	1271465	1247012	1161841	954545	927849	1332500	1173319	14.329	
(5)	1449340	1410915	1383876	1263381	1067222	1051698	1672500	1328419	16.604	
9 Aroclor-1262(1)	+++++	+++++	674602	+++++	+++++	+++++	+++++	674602	0.000	
(2)	+++++	+++++	2120458	+++++	+++++	+++++	+++++	2120458	0.000	<-
(3)	+++++	+++++	1142402	+++++	+++++	+++++	+++++	1142402	0.000	<-
(4)	+++++	+++++	570710	+++++	+++++	+++++	+++++	570710	0.000	<-
(5)	+++++	+++++	1322276	+++++	+++++	+++++	+++++	1322276	0.000	<-
10 Aroclor-1268(1)	+++++	+++++	4178518	+++++	+++++	+++++	+++++	4178518	0.000	
(2)	+++++	+++++	3375316	+++++	+++++	+++++	+++++	3375316	0.000	<-
(3)	+++++	+++++	3282158	+++++	+++++	+++++	+++++	3282158	0.000	<-

Report Date : 17-Nov-2010 06:54

TA Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 15-NOV-2010 15:16
End Cal Date : 15-NOV-2010 22:03
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Last Edit : 17-Nov-2010 06:53 gc10.i
Curve Type : Average

Compound	0.05000 Level 1	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	0.01000 Level 7	RRF	% RSD	
(4)	+++++	+++++	2117850	+++++	+++++	+++++	+++++	2117850	0.000	<-
$ 2 Tetrachloro-m-xylene	36598400	36857100	36799840	32214980	29102590	25890445	35768000	33318765	13.172	
$ 11 Decachlorobiphenyl	29696400	27650300	29170320	27174720	25833960	24689485	30418000	27804741	7.527	

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100523.D
Report Date: 17-Nov-2010 10:10

7E

TA Pittsburgh

HP6890 GC-ID

CONTINUING CALIBRATION COMPOUNDS

MR-1

Instrument ID: gc10.i
Lab File ID: S1100523.D
Analysis Type:
Lab Sample ID: 2M1660
Method: \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m

Injection Date: 16-NOV-2010 01:01
Init. Cal. Date(s): 15-NOV-2010 15-NOV-2010
Init. Cal. Times: 15:16 22:03
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF0.500	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
4 Aroclor-1016(1)	801284	833934	0.010	-4.07465	15.00000	Averaged	
(2)	520495	548322	0.010	-5.34628	15.00000	Averaged	
(3)	654163	681708	0.010	-4.21078	15.00000	Averaged	
(4)	554181	610494	0.010	-10.16148	15.00000	Averaged	
(5)	374266	400342	0.010	-6.96738	15.00000	Averaged	
$ 2 Tetrachloro-m-xylene	33318765	17600	0.000	100	15.00000	Averaged	<- NA
$ 11 Decachlorobiphenyl	27804741	682720	0.010	97.54459	15.00000	Averaged	<- NA
8 Aroclor-1260(1)	1557415	1597686	0.010	-2.58579	15.00000	Averaged	
(2)	791111	833720	0.010	-5.38602	15.00000	Averaged	
(3)	1581294	1754628	0.010	-10.96153	15.00000	Averaged	
(4)	1173319	1049054	0.010	10.59088	15.00000	Averaged	
(5)	1328419	1192678	0.010	10.21822	15.00000	Averaged	

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100626.D
Report Date: 19-Nov-2010 11:40

7E
HP6890 GC-10
MR-1

TA Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc10.i
Lab File ID: S1100626.D
Analysis Type: SOIL
Lab Sample ID: M1660
Method: \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m

Injection Date: 18-NOV-2010 18:50
Init. Cal. Date(s): 15-NOV-2010 15-NOV-2010
Init. Cal. Times: 15:16 22:03
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF0.500	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
4 Aroclor-1016(1)	801284	800026	0.010	0.15705	15.00000	Averaged
(2)	520495	506410	0.010	2.70606	15.00000	Averaged
(3)	654163	660814	0.010	-1.01677	15.00000	Averaged
(4)	554181	573756	0.010	-3.53224	15.00000	Averaged
(5)	374266	390652	0.010	-4.37831	15.00000	Averaged
$ 2 Tetrachloro-m-xylene	33318765	34899000	0.000	-4.74278	15.00000	Averaged
$ 11 Decachlorobiphenyl	27804741	27215640	0.010	2.11871	15.00000	Averaged
8 Aroclor-1260(1)	1557415	1451252	0.010	6.81659	15.00000	Averaged
(2)	791111	767480	0.010	2.98702	15.00000	Averaged
(3)	1581294	1434348	0.010	9.29277	15.00000	Averaged
(4)	1173319	1081732	0.010	7.80579	15.00000	Averaged
(5)	1328419	1167652	0.010	12.10212	15.00000	Averaged

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100749.D
Report Date: 21-Nov-2010 10:09

7E
KP6/9 10-5
MLL

TestAmerica Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc10.i
Lab File ID: S1100749.D
Analysis Type:
Lab Sample ID: M1660
Method: \\PITSVR06\D\chem\gc10.i\11150.b\PCBA.m

Injection Date: 21-NOV-2010 01:39
Init. Cal. Date(s): 15-NOV-2010 15-NOV-2010
Init. Cal. Times: 15:16 22:03
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF0.500	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
4 Aroclor-1016(1)	801284	797344	0.010	0.49176	15.00000	Averaged
(2)	520495	531594	0.010	-2.13241	15.00000	Averaged
(3)	654163	656952	0.010	-0.42640	15.00000	Averaged
(4)	554181	558012	0.010	-0.69129	15.00000	Averaged
(5)	374266	372696	0.010	0.41935	15.00000	Averaged
$ 2 Tetrachloro-m-xylene	33318765	34017560	0.000	-2.09730	15.00000	Averaged
$ 11 Decachlorobiphenyl	27804741	28311960	0.010	-1.82422	15.00000	Averaged
8 Aroclor-1260(1)	1557415	1513874	0.010	2.79569	15.00000	Averaged
(2)	791111	781984	0.010	1.15364	15.00000	Averaged
(3)	1581294	1468334	0.010	7.14352	15.00000	Averaged
(4)	1173319	1102458	0.010	6.03934	15.00000	Averaged
(5)	1328419	1244932	0.010	6.28467	15.00000	Averaged

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100770.D
Report Date: 21-Nov-2010 10:59

TE
BM682505
MRL

TestAmerica Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc10.i
Lab File ID: S1100770.D
Analysis Type:
Lab Sample ID: M1660
Method: \\PITSVR06\D\chem\gc10.i\11150.b\PCBA.m

Injection Date: 21-NOV-2010 10:32
Init. Cal. Date(s): 15-NOV-2010 15-NOV-2010
Init. Cal. Times: 15:16 22:03
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF0.500	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
4 Aroclor-1016 (1)	801284	801762	0.010	-0.05960	15.00000	Averaged
(2)	520495	519446	0.010	0.20152	15.00000	Averaged
(3)	654163	645222	0.010	1.36674	15.00000	Averaged
(4)	554181	565682	0.010	-2.07531	15.00000	Averaged
(5)	374266	380258	0.010	-1.60114	15.00000	Averaged
$ 2 Tetrachloro-m-xylene	33318765	34312240	0.000	-2.98173	15.00000	Averaged
$ 11 Decachlorobiphenyl	27804741	28044520	0.010	-0.86237	15.00000	Averaged
8 Aroclor-1260 (1)	1557415	1521500	0.010	2.30603	15.00000	Averaged
(2)	791111	777710	0.010	1.69390	15.00000	Averaged
(3)	1581294	1524384	0.010	3.59895	15.00000	Averaged
(4)	1173319	1165000	0.010	0.70899	15.00000	Averaged
(5)	1328419	1276848	0.010	3.88212	15.00000	Averaged

8D

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: SDGA05064

GC Column: MR-1 ID: 0.53 (mm) Init. Calib. Date(s): 11/15/10 11/15/10

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

			MEAN SURROGATE RT FROM INITIAL CALIBRATION			
	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01		M1242	11/15/10	1516		
02		M1242	11/15/10	1542		
03		M1242	11/15/10	1607		
04		M1242	11/15/10	1633		
05		M1242	11/15/10	1658		
06		M2154	11/15/10	1724		
07		M1232	11/15/10	1749		
08		M1248	11/15/10	1815		
09		M1262	11/15/10	1840		
10		M1268	11/15/10	1905		
11		XL1660	11/15/10	1931		
12		L1660	11/15/10	1956		
13		ML1660	11/15/10	2022		
14		M1660	11/15/10	2047		
15		MH1660	11/15/10	2112		
16		H1660	11/15/10	2138		
17		XH1660	11/15/10	2203		
18		2M2154	11/15/10	2229		
19		2M1232	11/15/10	2254		
20		2M1242	11/15/10	2319		
21		2M1248	11/15/10	2345		
22		2M1262	11/16/10	0010		
23		2M1268	11/16/10	0036		
24		2M1660	11/16/10	0101		
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D

PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: SDGA05064

GC Column: MR-2 ID: 0.53 (mm) Init. Calib. Date(s): 11/15/10 11/15/10

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

	MEAN SURROGATE RT FROM INITIAL CALIBRATION					
	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01		M2154	11/18/10	1617		
02		M1232	11/18/10	1643		
03		M1242	11/18/10	1708		
04		M1248	11/18/10	1734		
05		M1262	11/18/10	1759		
06		M1268	11/18/10	1824		
07		M1660	11/18/10	1850		
08						
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QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: C0K030562

GC Column: MR-2 ID: 0.53 (mm) Init. Calib. Date(s): 11/15/10 11/15/10

Instrument ID: GC10

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 3.36 DCB: 14.69

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		M1660	11/21/10	0139	3.32	14.55*
02	20100836 RSD	L9HH31AD	11/21/10	0528	3.32	14.55*
03	20100837 SD1	L9HH61AL	11/21/10	0554	3.32	14.55*
04	20100837 SD1	L9HH61A7	11/21/10	0619	3.32	14.55*
05	20100837 SD1	L9HH61A8	11/21/10	0644	3.32	14.55*
06	20100838 SD1	L9HH81AL	11/21/10	0710	3.32	14.55*
07	20100839 SD1	L9HH91AL	11/21/10	0735	3.32	14.55*
08	20100840 SD1	L9HJC1AL	11/21/10	0800	3.32	14.55*
09	20100841 SD1	L9HJD1AL	11/21/10	0826	3.32	14.55*
10	20100842 SD1	L9HJF1AL	11/21/10	0851	3.32	14.55*
11	20100876 RSD	L9HJG1AL	11/21/10	0916	3.32	14.55*
12	PBLK8058	L9HXF1AA	11/21/10	0942	3.32	14.55*
13	LCS8058	L9HXF1AC	11/21/10	1007	3.32	14.55*
14		M1660	11/21/10	1032	3.32	14.55*
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32						

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100500.D
Report Date: 17-Nov-2010 06:52

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100500.D
Lab Smp Id: M1242
Inj Date : 15-NOV-2010 15:16
Operator : 402360 Inst ID: gc10.i
Smp Info : M1242,11150.b
Misc Info : GC0968-10 0.01 UG/ML
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 06:52 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 19:31 Cal File: S1100510.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

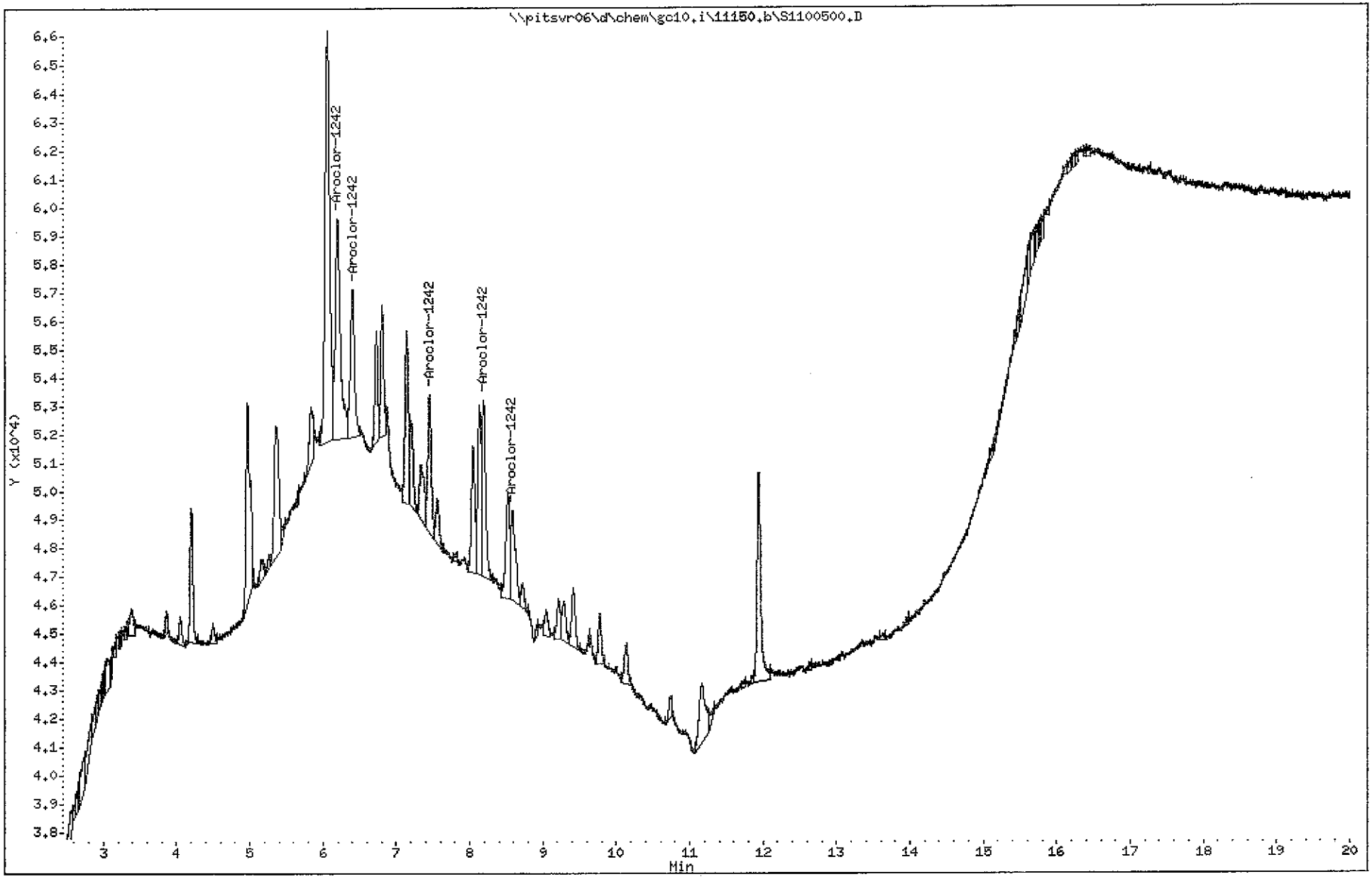
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
5 Aroclor-1242					CAS #: 53469-21-9			
6.197	6.196	0.001	7742	0.01000	0.010541	0.00-	0.00	0.00
6.406	6.405	0.001	5200	0.01000	0.0093386	330.13-	330.13	0.00
7.449	7.452	-0.003	4837	0.01000	0.0091984	769.70-	769.70	0.00
8.189	8.187	0.002	6218	0.01000	0.0093298	532.48-	532.48	0.00
8.584	8.583	0.001	3130	0.01000	0.0089860	334.30-	334.30	0.00
		Average of Peak Amounts =			0.00948			

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100500.D
Date : 15-NOV-2010 15:16
Client ID:
Sample Info: M1242,11150.b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100501.D
Report Date: 17-Nov-2010 06:52

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100501.D
Lab Smp Id: M1242
Inj Date : 15-NOV-2010 15:42
Operator : 402360 Inst ID: gc10.i
Smp Info : M1242,11150.b
Misc Info : GC0968-10 0.1 UG/ML
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 06:52 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 19:56 Cal File: S1100511.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

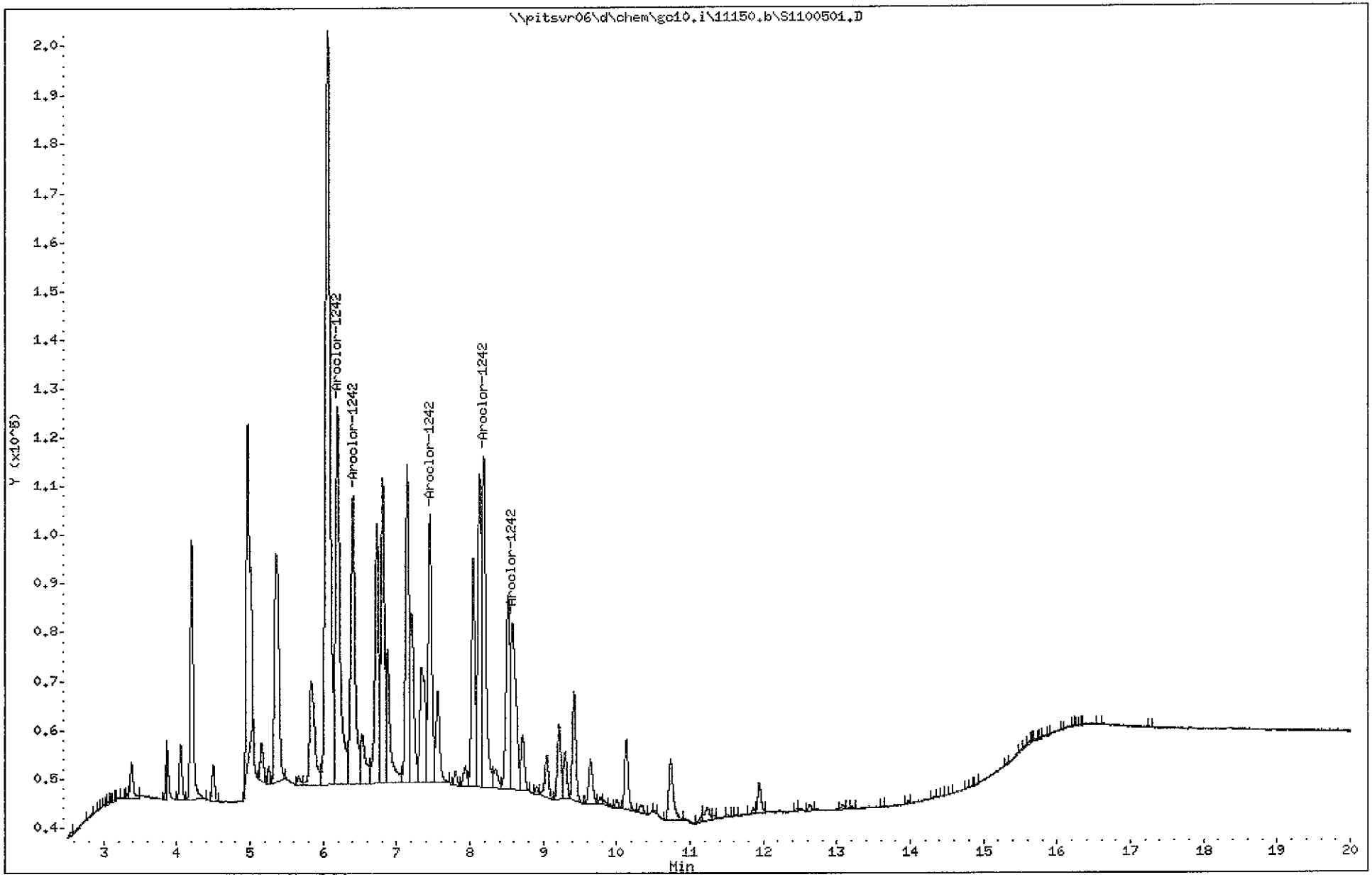
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
6.194	6.196	-0.002	77374	0.10000	0.10535	0.00- 0.00	0.00
6.405	6.405	0.000	59045	0.10000	0.10604	330.13- 330.13	0.00
7.454	7.452	0.002	54781	0.10000	0.10418	769.70- 769.70	0.00
8.188	8.187	0.001	67877	0.10000	0.10185	532.48- 532.48	0.00
8.584	8.583	0.001	34096	0.10000	0.097887	334.30- 334.30	0.00
		Average of Peak Amounts =			0.10306		

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100501.D
Date : 15-NOV-2010 15:42
Client ID:
Sample Info: M1242,11150.b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



(2001 - 2150)
2057
C0K030562

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100502.D
Report Date: 17-Nov-2010 06:52

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100502.D
Lab Smp Id: M1242
Inj Date : 15-NOV-2010 16:07
Operator : 402360 Inst ID: gc10.i
Smp Info : M1242,11150.b
Misc Info : GC0968-10 0.25 UG/ML
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 06:52 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 20:22 Cal File: S1100512.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

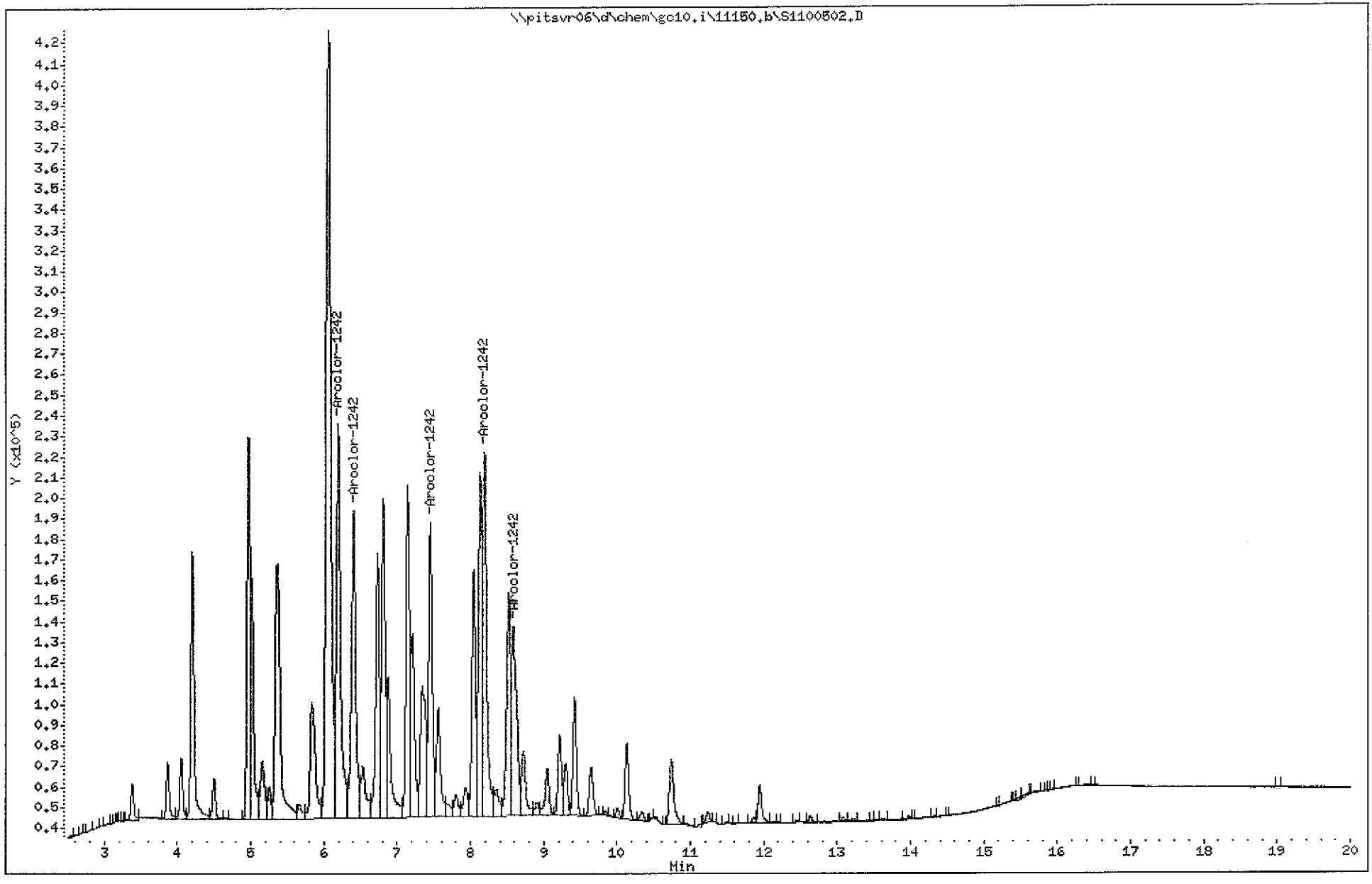
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
5 Aroclor-1242						CAS #: 53469-21-9		
6.194	6.196	-0.002	191111	0.25000	0.26020	0.00-	0.00	0.00
6.405	6.405	0.000	149072	0.25000	0.26772	330.13-	330.13	0.00
7.453	7.452	0.001	142159	0.25000	0.27034	769.70-	769.70	0.00
8.191	8.187	0.004	176027	0.25000	0.26412	532.48-	532.48	0.00
8.585	8.583	0.002	91177	0.25000	0.26176	334.30-	334.30	0.00
		Average of Peak Amounts =			0.26483			

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100502.D
Date : 15-NOV-2010 16:07
Client ID:
Sample Info: M1242,11150,b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100503.D
Report Date: 17-Nov-2010 06:52

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100503.D
Lab Smp Id: M1242
Inj Date : 15-NOV-2010 16:33
Operator : 402360 Inst ID: gc10.i
Smp Info : M1242,11150.b
Misc Info : GC0961-10 0.5 UG/ML
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 06:52 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 21:12 Cal File: S1100514.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

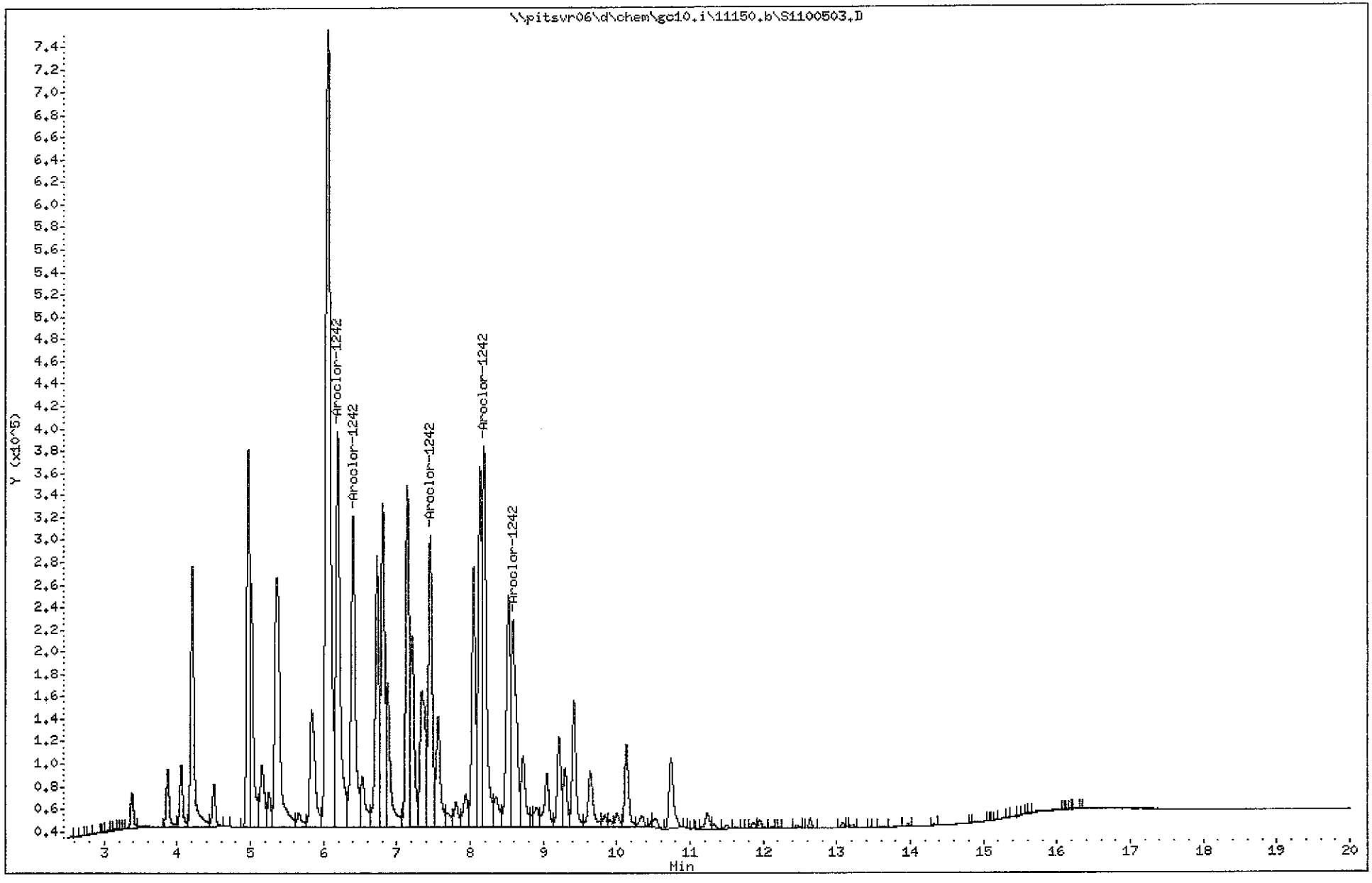
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
5 Aroclor-1242					CAS #: 53469-21-9			
6.195	6.196	-0.001	352992	0.50000	0.48061	0.00-	0.00	0.00
6.406	6.405	0.001	276814	0.50000	0.49713	330.13-	330.13	0.00
7.456	7.452	0.004	259998	0.50000	0.49443	769.70-	769.70	0.00
8.188	8.187	0.001	339933	0.50000	0.51006	532.48-	532.48	0.00
8.585	8.583	0.002	184478	0.50000	0.52962	334.30-	334.30	0.00
		Average of Peak Amounts =			0.50237			

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100503.D
Date : 15-NOV-2010 16:33
Client ID:
Sample Info: M1242,11150.b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



(2001 - 2150)
2061
C0K030562

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100504.D
Report Date: 17-Nov-2010 06:52

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100504.D
Lab Smp Id: M1242
Inj Date : 15-NOV-2010 16:58
Operator : 402360 Inst ID: gc10.i
Smp Info : M1242,11150.b
Misc Info : GC0968-10 1.0 UG/ML
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 06:52 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 20:47 Cal File: S1100513.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

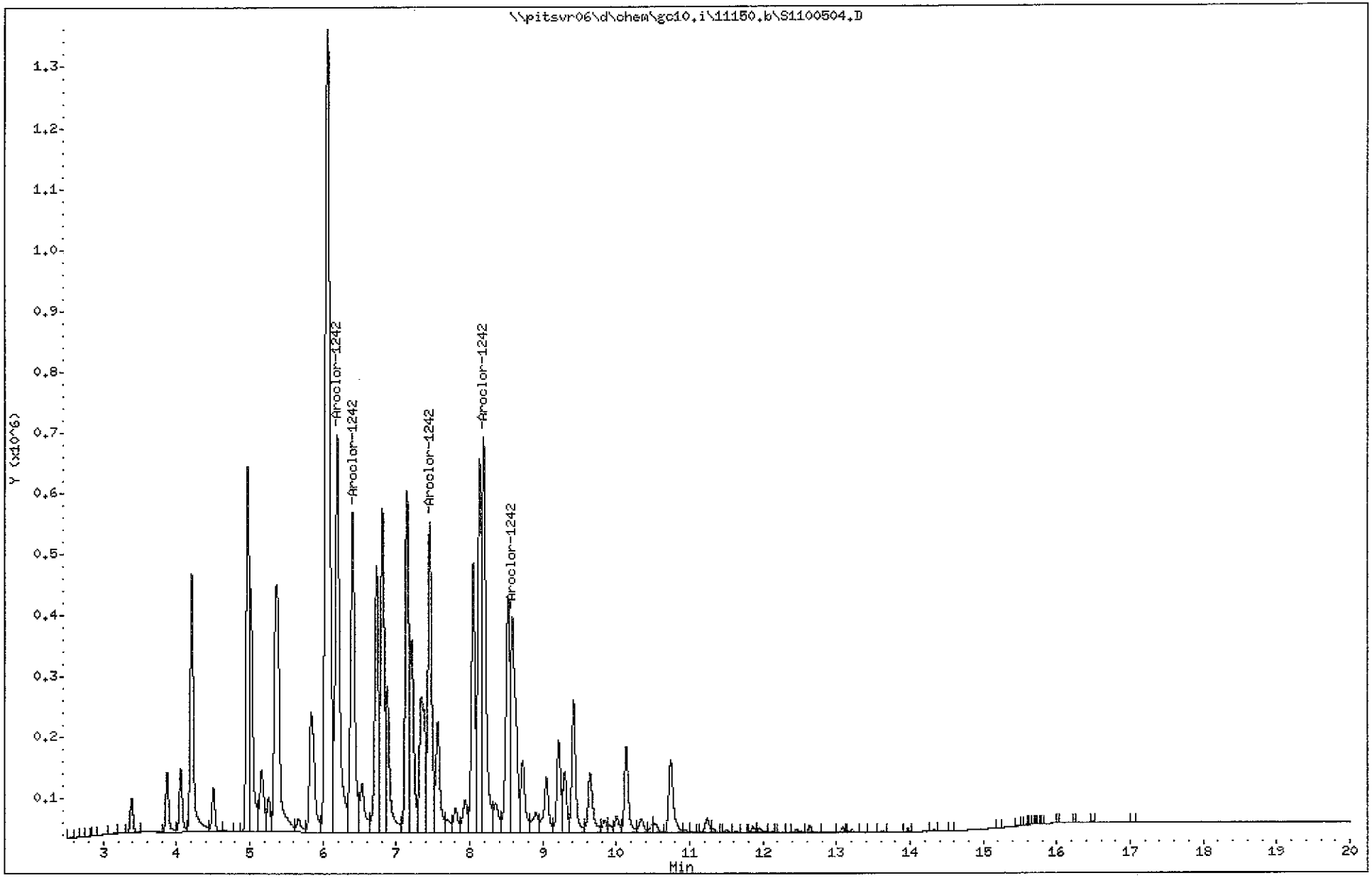
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
6.196	6.196	0.000	653954	1.00000	0.89038	0.00- 0.00	0.00
6.405	6.405	0.000	523771	1.00000	0.94063	330.13- 330.13	0.00
7.452	7.452	0.000	509128	1.00000	0.96819	769.70- 769.70	0.00
8.187	8.187	0.000	647773	1.00000	0.97196	532.48- 532.48	0.00
8.583	8.583	0.000	353969	1.00000	1.0162	334.30- 334.30	0.00
		Average of Peak Amounts =			0.95747		

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100504.D
Date : 15-NOV-2010 16:58
Client ID:
Sample Info: M1242,11150.b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



(2001 - 2150)

2063

C0K030562

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100505.D
Report Date: 17-Nov-2010 06:52

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100505.D
Lab Smp Id: M2154
Inj Date : 15-NOV-2010 17:24
Operator : 402360 Inst ID: gc10.i
Smp Info : M2154,11150.b
Misc Info : GC0966-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 06:52 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 21:38 Cal File: S1100515.D
Als bottle: 7 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-126

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10.000	Volume of final extract
Vi	1.000	volume injected
Ws	5.000	initial volume of sample
Cpnd Variable		Local Compound Variable

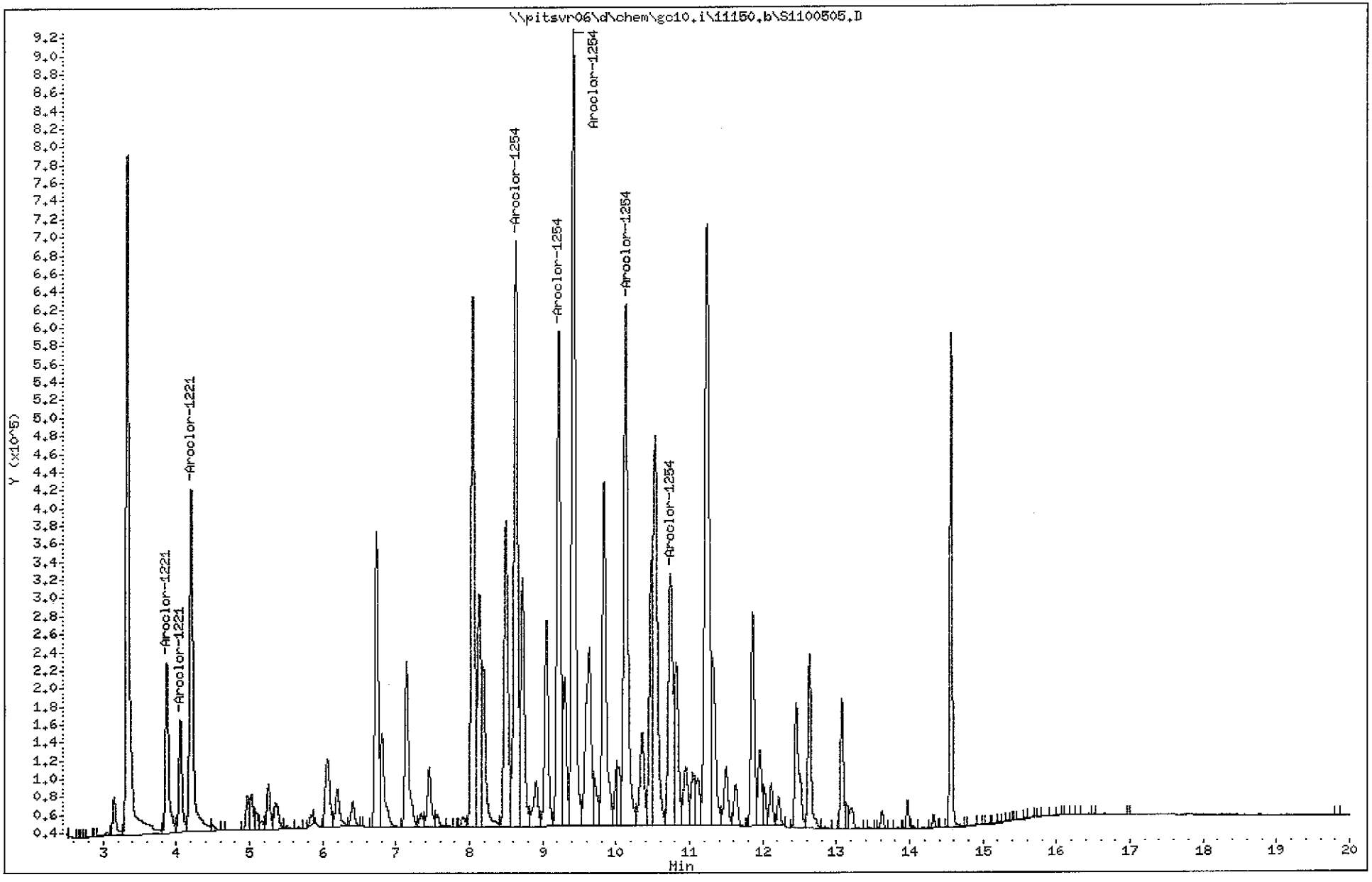
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
1 Aroclor-1221					CAS #: 11104-28-2		
3.868	3.868	0.000	188123	0.50000	0.50000	0.00- 0.00	0.00(a)
4.054	4.054	0.000	123428	0.50000	0.50000	136.57- 136.57	0.00
4.203	4.203	0.000	379355	0.50000	0.50000	86.04- 86.04	0.00
	Average of Peak Amounts =				0.50000		
7 Aroclor-1254					CAS #: 11097-69-1		
8.632	8.632	0.000	647303	0.50000	0.50000	0.00- 0.00	0.00(a)
9.217	9.217	0.000	547543	0.50000	0.50000	112.23- 112.23	0.00
9.417	9.417	0.000	879124	0.50000	0.50000	97.40- 97.40	0.00
10.132	10.132	0.000	576690	0.50000	0.50000	71.09- 71.09	0.00
10.737	10.737	0.000	277810	0.50000	0.50000	85.01- 85.01	0.00
	Average of Peak Amounts =				0.50000		

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100505.D
Date : 15-NOV-2010 17:24
Client ID:
Sample Info: M2154,11150.b
Volume Injected (uL): 1.0
Column phase: HR-1

Instrument: gc10.i
Operator: 402360
Column diameter: 0.53



C0K030562 2065 (2001 - 2150)

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100506.D
Report Date: 17-Nov-2010 06:52

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100506.D
Lab Smp Id: M1232
Inj Date : 15-NOV-2010 17:49
Operator : 402360 Inst ID: gc10.i
Smp Info : M1232,11150.b
Misc Info : GC0967-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 06:52 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 20:47 Cal File: S1100513.D
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1232.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

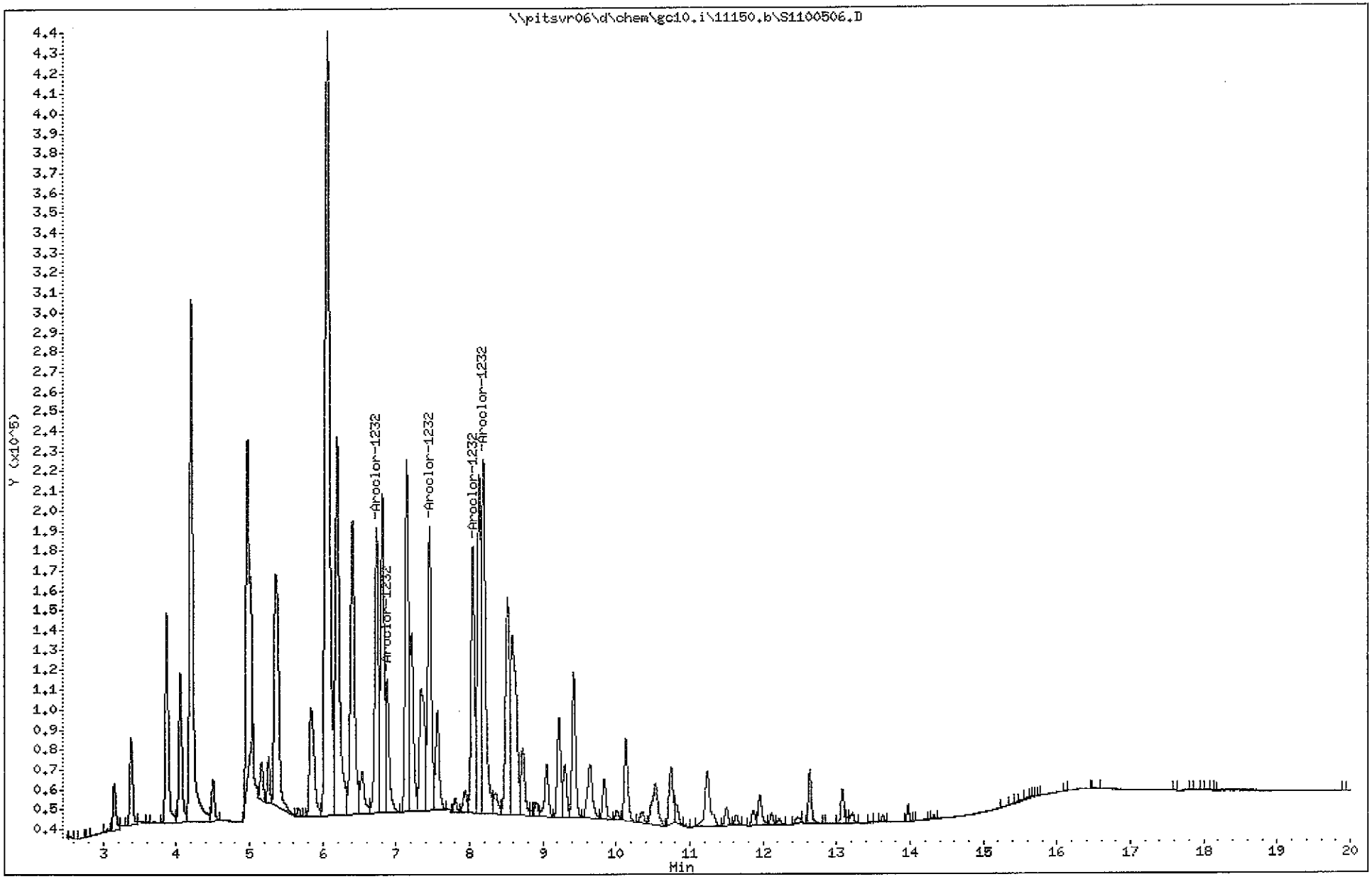
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
6.732	6.732	0.000	143403	0.50000	0.50000	0.00- 0.00	0.00
6.873	6.873	0.000	66532	0.50000	0.50000	166.26- 166.26	0.00
7.456	7.456	0.000	142271	0.50000	0.50000	85.99- 85.99	0.00
8.047	8.047	0.000	133593	0.50000	0.50000	94.18- 94.18	0.00
8.187	8.187	0.000	177641	0.50000	0.50000	0.00- 0.00	0.00
		Average of Peak Amounts =			0.50000		

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100506.D
Date : 15-NOV-2010 17:49
Client ID:
Sample Info: M1232,11150.b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100507.D
Report Date: 17-Nov-2010 06:52

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100507.D
Lab Smp Id: M1248
Inj Date : 15-NOV-2010 18:15
Operator : 402360 Inst ID: gc10.i
Smp Info : M1248,11150.b
Misc Info : GC0969-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 06:52 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 20:47 Cal File: S1100513.D
Als bottle: 9 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
6 Aroclor-1248					CAS #: 12672-29-6		
7.142	7.142	0.000	500056	0.50000	0.50000	0.00- 0.00	0.00(M)
7.564	7.564	0.000	138031	0.50000	0.50000	134.57- 134.57	0.00
8.046	8.046	0.000	459532	0.50000	0.50000	83.67- 83.67	0.00
8.583	8.583	0.000	288027	0.50000	0.50000	63.86- 63.86	0.00
8.723	8.723	0.000	164222	0.50000	0.50000	148.08- 148.08	0.00
		Average of Peak Amounts =			0.50000		

QC Flag Legend

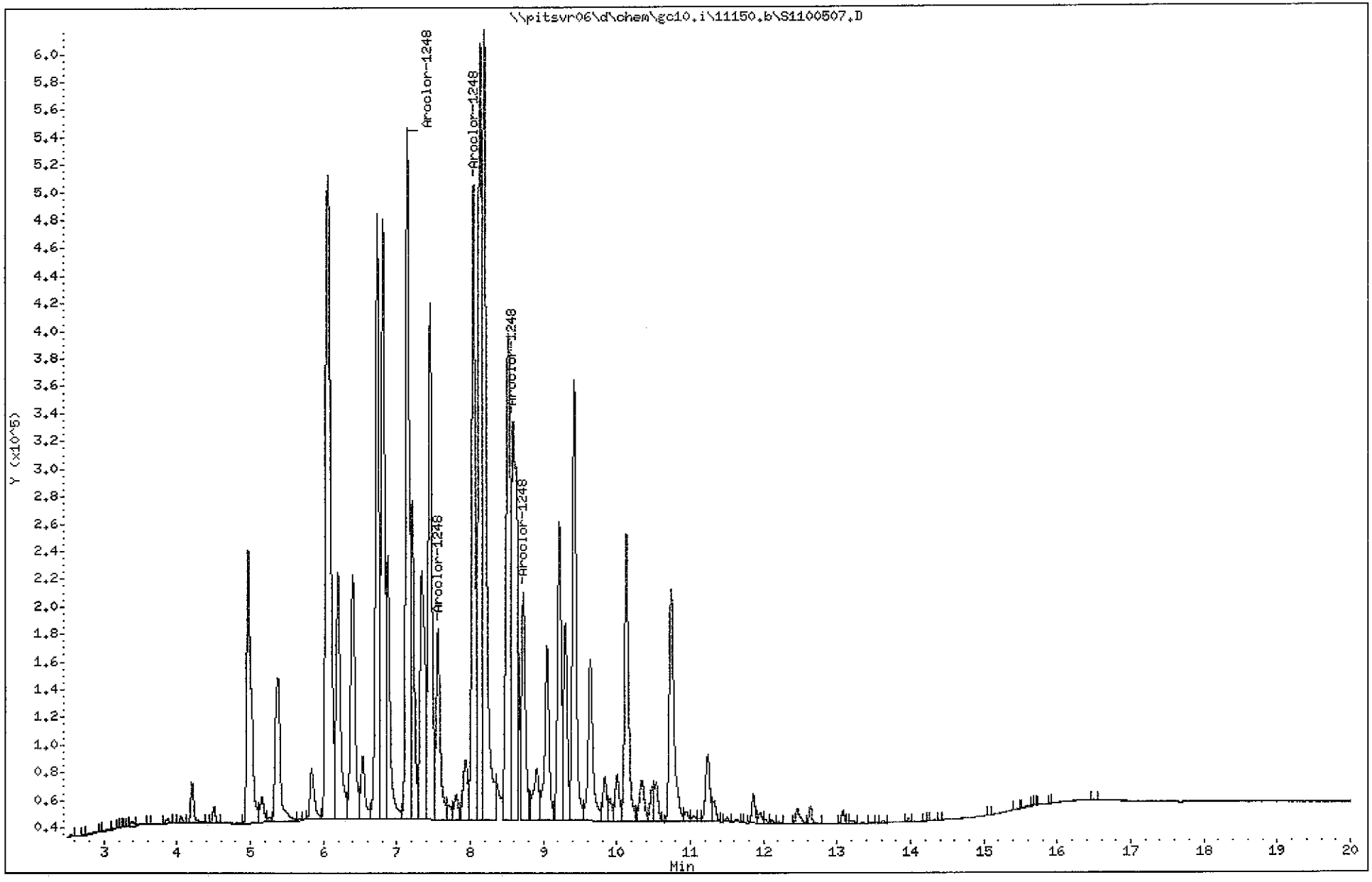
M - Compound response manually integrated.

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100507.D
Date : 15-NOV-2010 18:15
Client ID:
Sample Info: M1248,11150.b

Instrument: gc10.i

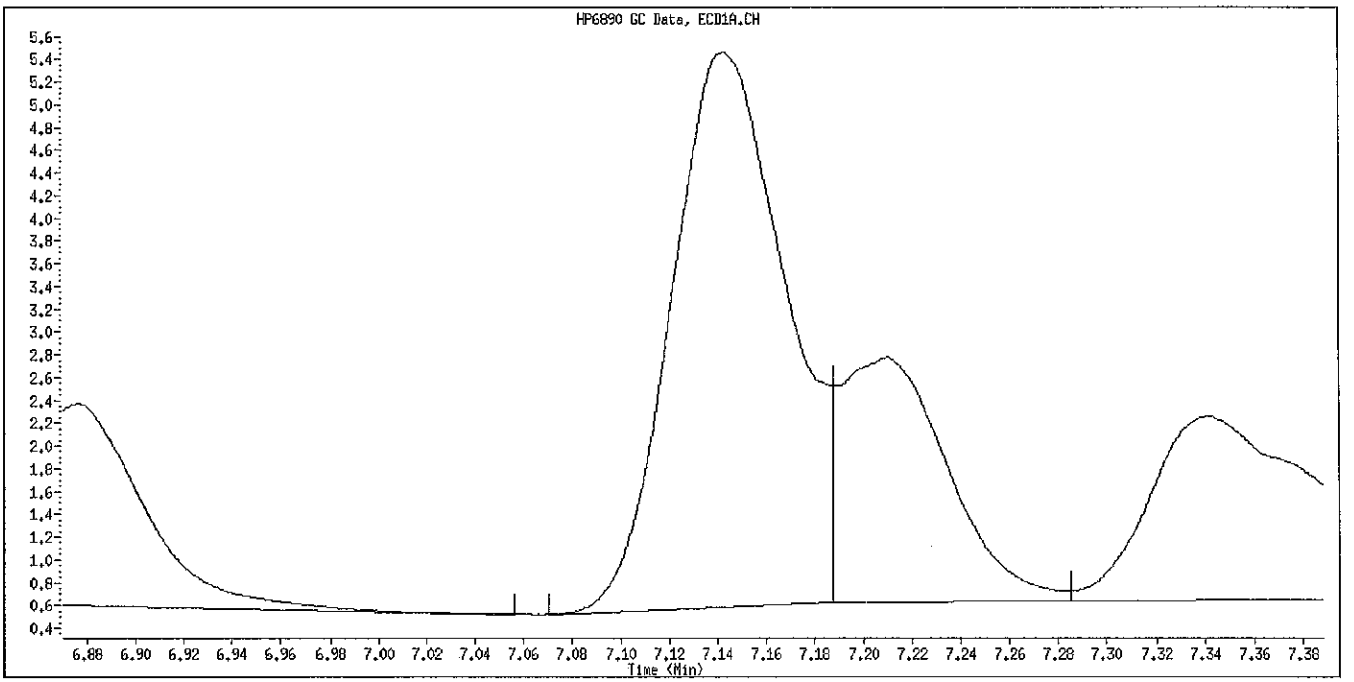
Operator: 402360
Column diameter: 0.53

Column phase: MR-1

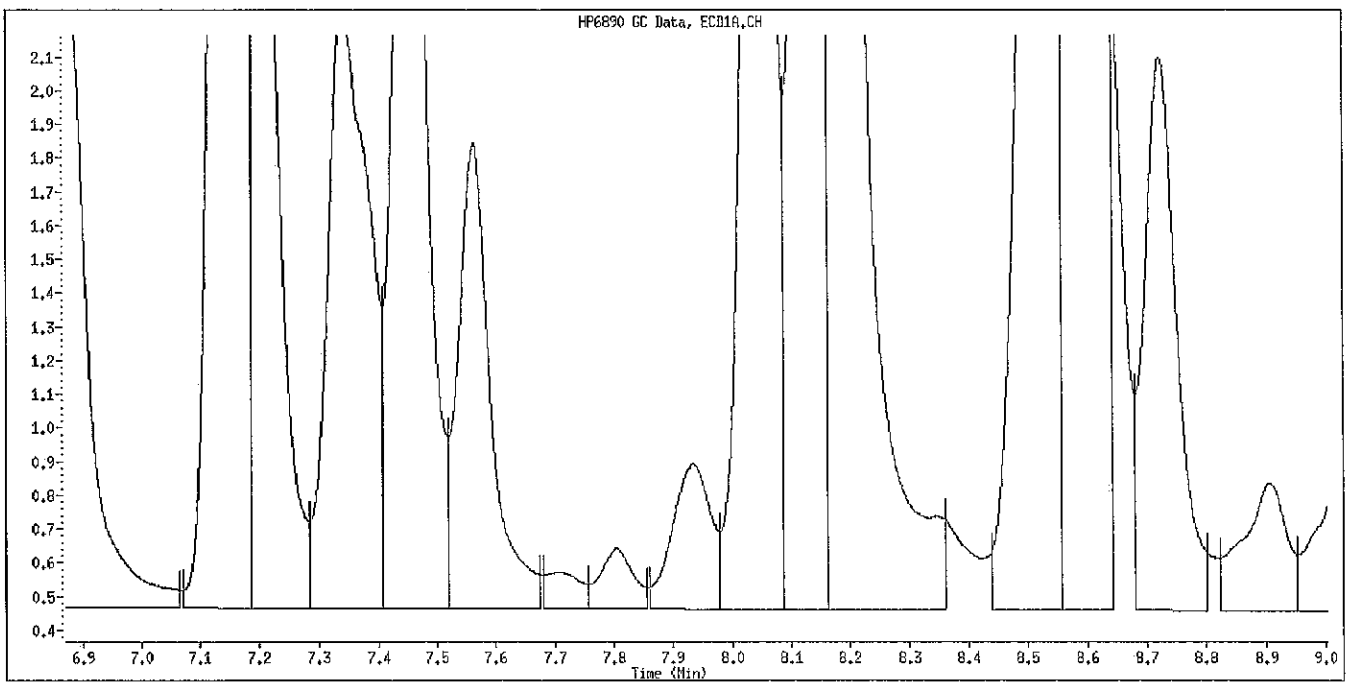


(2001 - 2150)
2069
C0K030562

Data File Name: S1100507.D
Inj. Date and Time: 15-NOV-2010 18:15
Instrument ID: gc10.i
Client ID:
Compound Name: Aroclor-1248
CAS #: 12672-29-6



Original Integration



Manual Integration

Manually Integrated By: guptaa
Manual Integration Reason: Poor Chromatography

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100508.D
Report Date: 17-Nov-2010 06:52

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100508.D
Lab Smp Id: M1262
Inj Date : 15-NOV-2010 18:40
Operator : 402360 Inst ID: gc10.i
Smp Info : M1262,11150.b
Misc Info : GC0970-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 06:52 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 20:47 Cal File: S1100513.D
Als bottle: 10 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

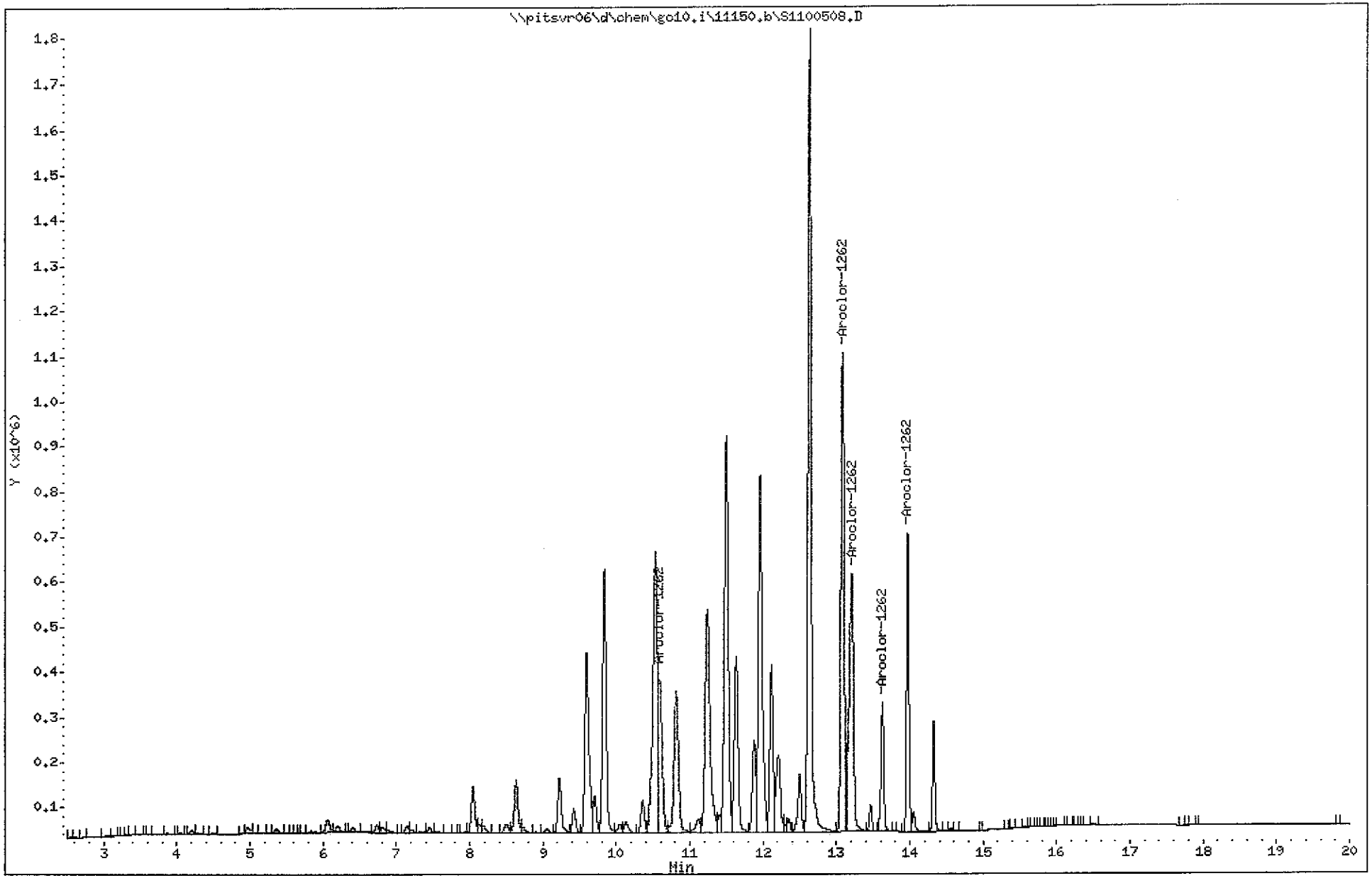
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
9 Aroclor-1262						CAS #: 37324-23-5		
10.593	10.593	0.000	337301	0.50000	0.50000	0.00-	0.00	0.00
13.082	13.082	0.000	1060229	0.50000	0.50000	0.00-	0.00	0.00
13.212	13.212	0.000	571201	0.50000	0.50000	0.00-	0.00	0.00
13.626	13.626	0.000	285355	0.50000	0.50000	0.00-	0.00	0.00
13.970	13.970	0.000	661138	0.50000	0.50000	0.00-	0.00	0.00
		Average of Peak Amounts =			0.50000			

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100508.D
Date : 15-NOV-2010 18:40
Client ID:
Sample Info: M1262,i1150.b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



(2001 - 2150)
2072
C0K030562

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100509.D
Report Date: 17-Nov-2010 06:52

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100509.D
Lab Smp Id: M1268
Inj Date : 15-NOV-2010 19:05
Operator : 402360 Inst ID: gc10.i
Smp Info : M1268,11150.b
Misc Info : GC0971-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 06:52 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 20:47 Cal File: S1100513.D
Als bottle: 11 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1268.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

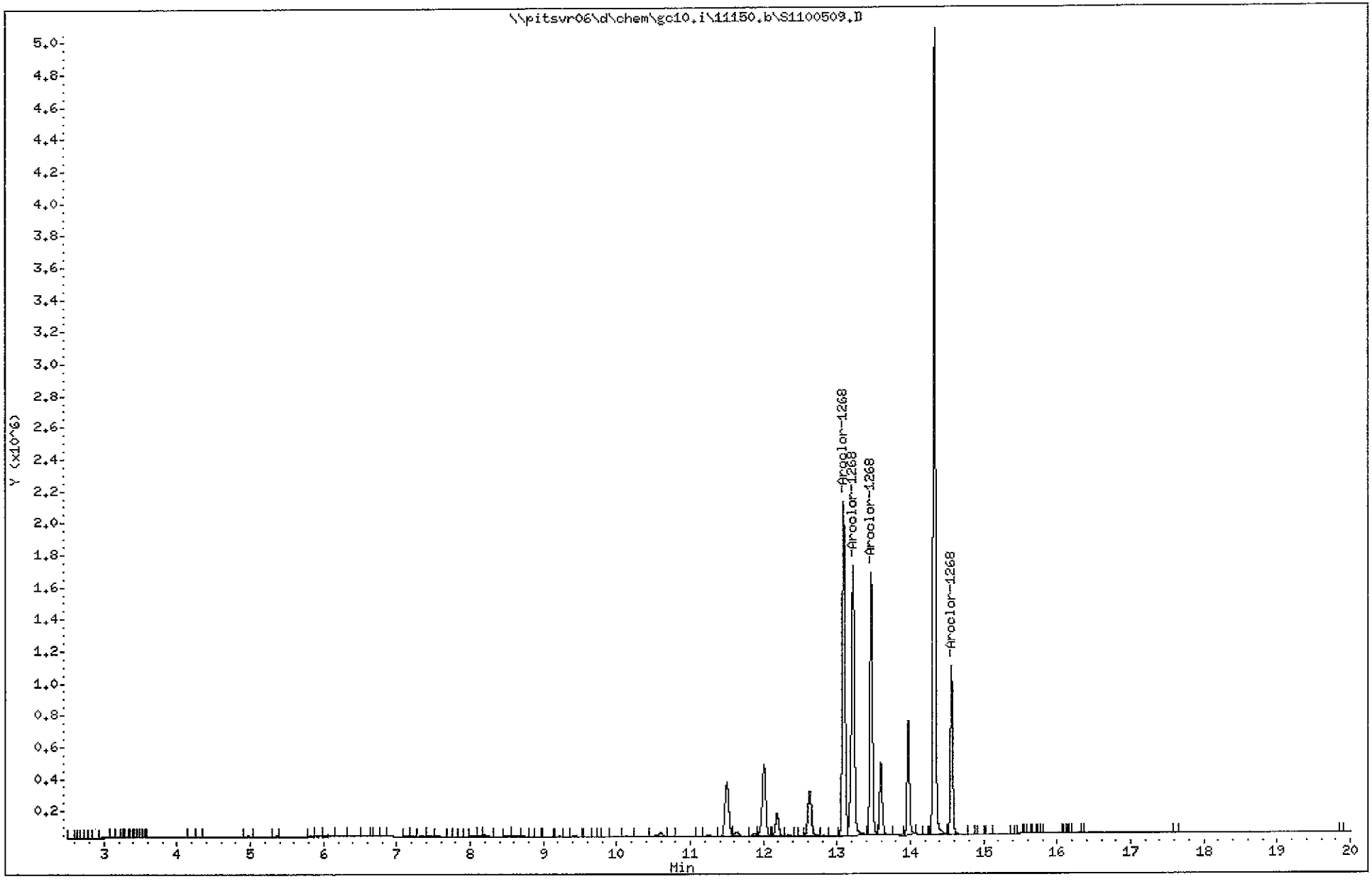
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
10 Aroclor-1268					CAS #: 11100-14-4		
13.089	13.089	0.000	2089259	0.50000	0.50000	0.00- 0.00	0.00
13.217	13.217	0.000	1687658	0.50000	0.50000	0.00- 0.00	0.00
13.464	13.464	0.000	1641079	0.50000	0.50000	0.00- 0.00	0.00
14.561	14.561	0.000	1058925	0.50000	0.50000	0.00- 0.00	0.00
Average of Peak Amounts =					0.50000		

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100509.D
Date : 15-NOV-2010 19:05
Client ID:
Sample Info: M1268,11150,b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



(2001 - 2150)
2074
C0K030562

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100510.D
Report Date: 17-Nov-2010 06:53

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100510.D
Lab Smp Id: XL1660
Inj Date : 15-NOV-2010 19:31
Operator : 402360 Inst ID: gc10.i
Smp Info : XL1660,11150.b
Misc Info : GC0782-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 06:53 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 20:47 Cal File: S1100513.D
Als bottle: 12 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
4.968	4.968	0.000	8370	0.01000	0.010446	0.00- 0.00	0.00(M)
5.363	5.359	0.004	5368	0.01000	0.010313	100.00- 100.00	0.00
6.404	6.403	0.001	7082	0.01000	0.010826	223.51- 223.51	0.00
6.729	6.731	-0.002	5342	0.01000	0.0096394	223.51- 223.51	0.00
7.205	7.206	-0.001	3838	0.01000	0.010255	317.56- 317.56	0.00
Average of Peak Amounts =					0.01030		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.328	3.328	0.000	17884	0.00050	0.00053675		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.560	14.562	-0.002	15209	0.00050	0.00054699		
8 Aroclor-1260					CAS #: 11096-82-5		
10.532	10.530	0.002	17308	0.01000	0.011113	0.00- 0.00	0.00
10.817	10.814	0.003	8169	0.01000	0.010326	115.86- 115.86	0.00
11.236	11.235	0.001	17985	0.01000	0.011374	136.91- 136.91	0.00
11.498	11.496	0.002	13325	0.01000	0.011357	140.00- 140.00	0.00
11.957	11.960	-0.003	16725	0.01000	0.012590	128.33- 128.33	0.00
Average of Peak Amounts =					0.01135		

QC Flag Legend

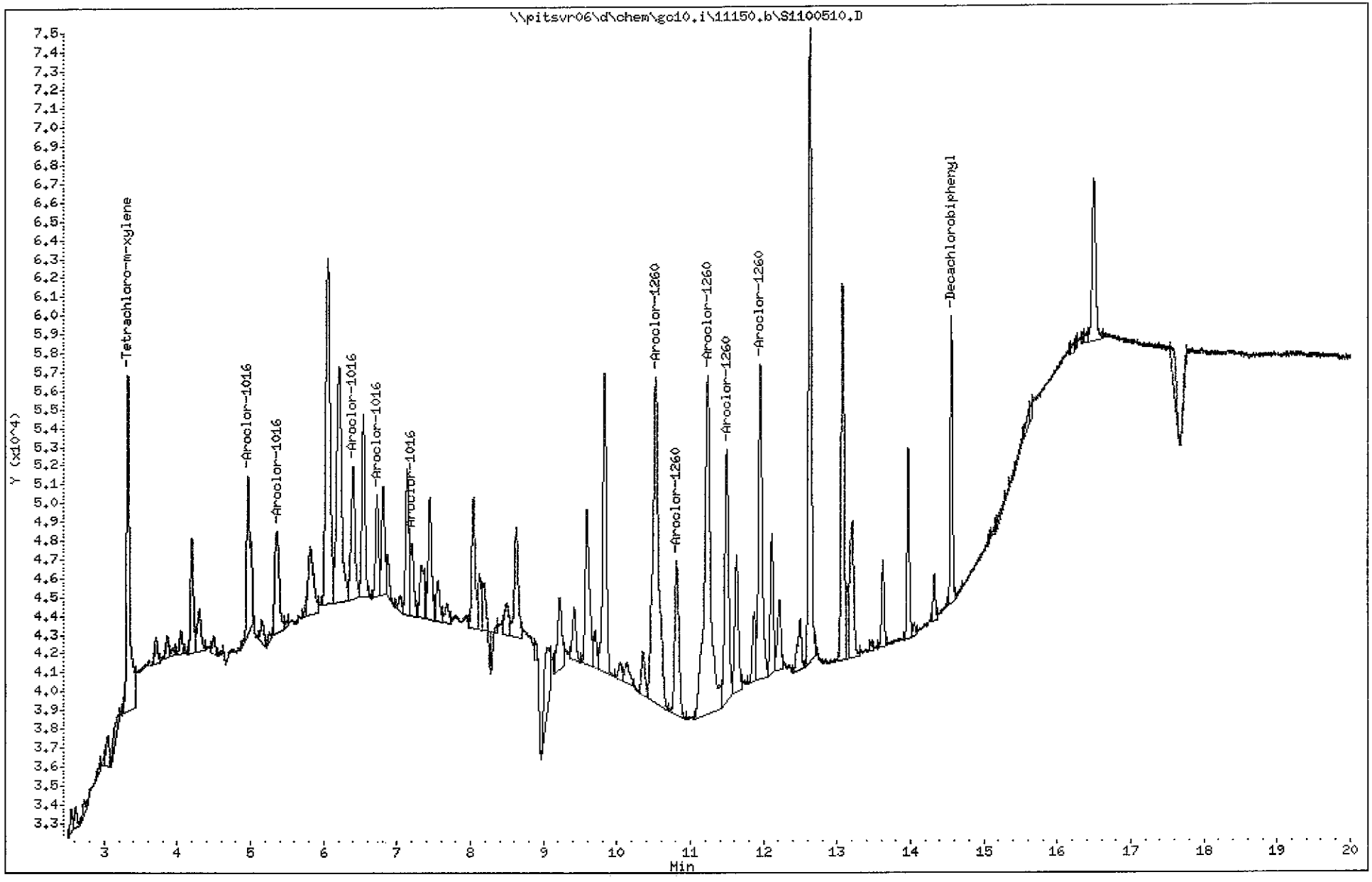
M - Compound response manually integrated.

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100510.D
Date : 15-NOV-2010 19:31
Client ID:
Sample Info: XL1660,11150.b

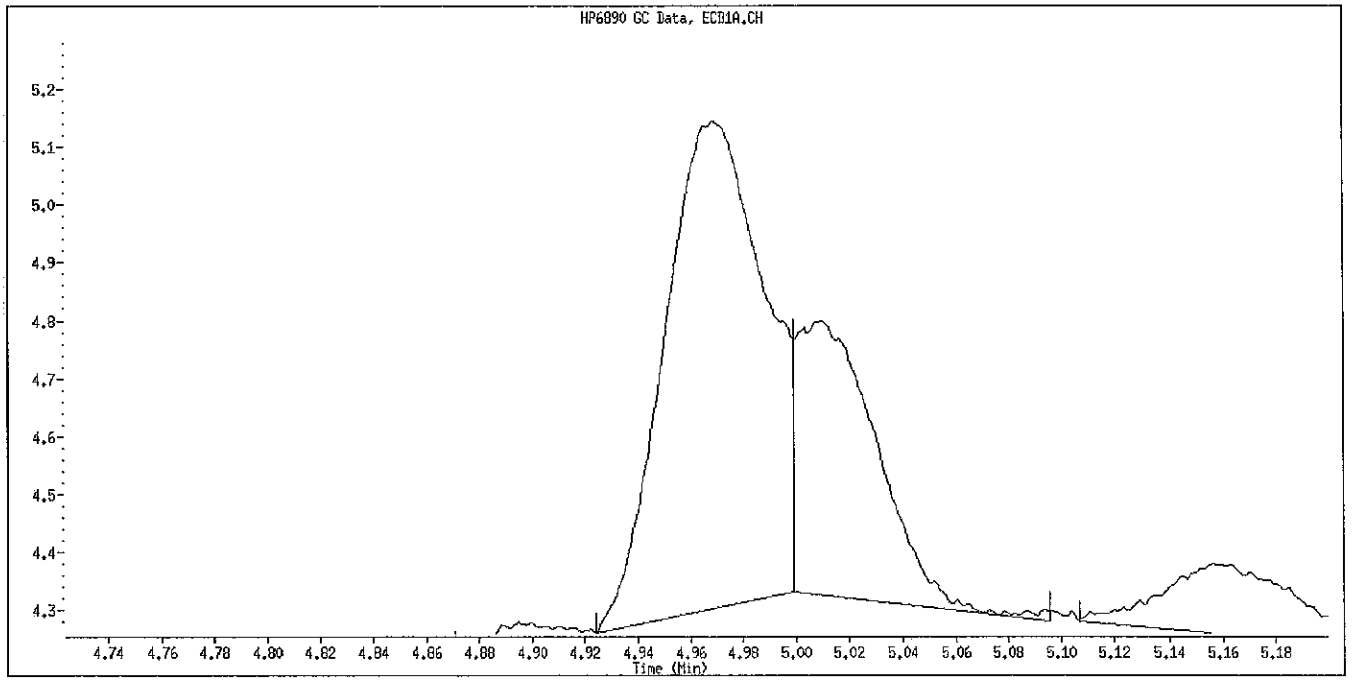
Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

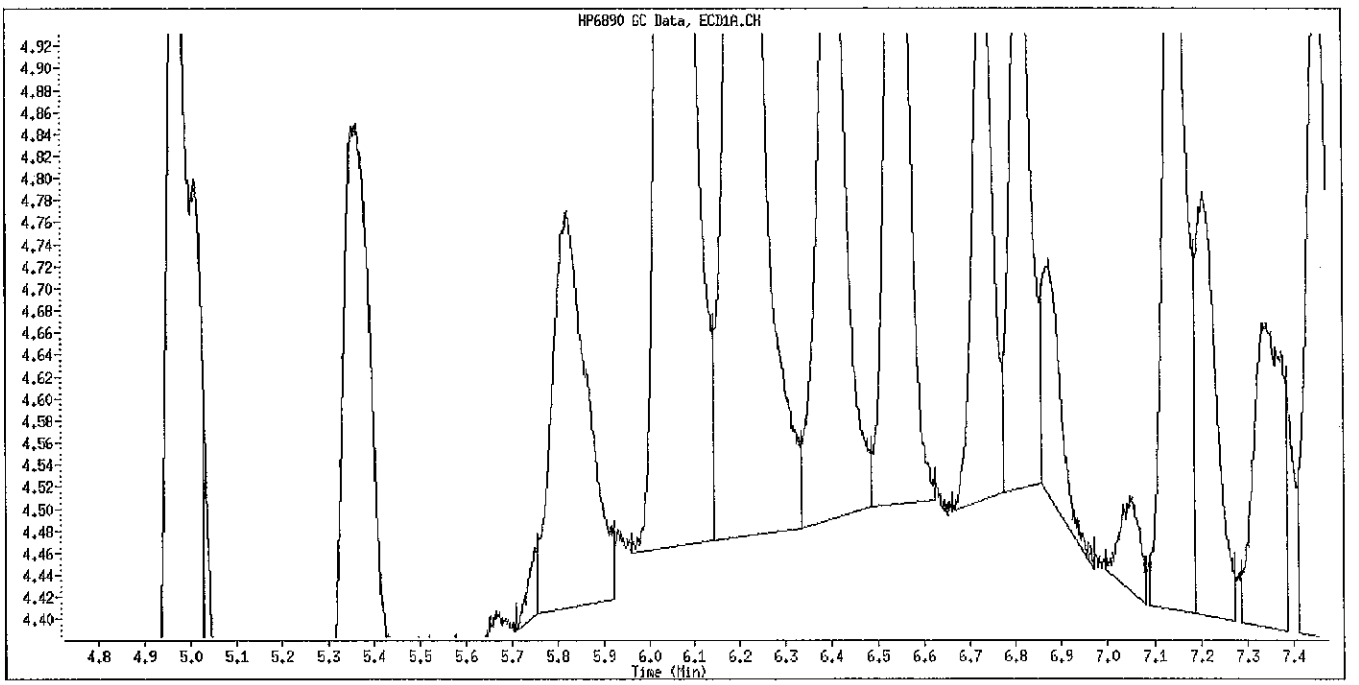
Column phase: MR-1



Data File Name: S1100510.D
Inj. Date and Time: 15-NOV-2010 19:31
Instrument ID: gc10.i
Client ID:
Compound Name: Aroclor-1016
CAS #: 12674-11-2



Original Integration



Manual Integration

Manually Integrated By: guptaa
Manual Integration Reason: Poor Chromatography

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100511.D
Report Date: 17-Nov-2010 06:53

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100511.D
Lab Smp Id: L1660
Inj Date : 15-NOV-2010 19:56
Operator : 402360 Inst ID: gc10.i
Smp Info : L1660,11150.b
Misc Info : GC0783-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 06:53 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 19:31 Cal File: S1100510.D
Als bottle: 13 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

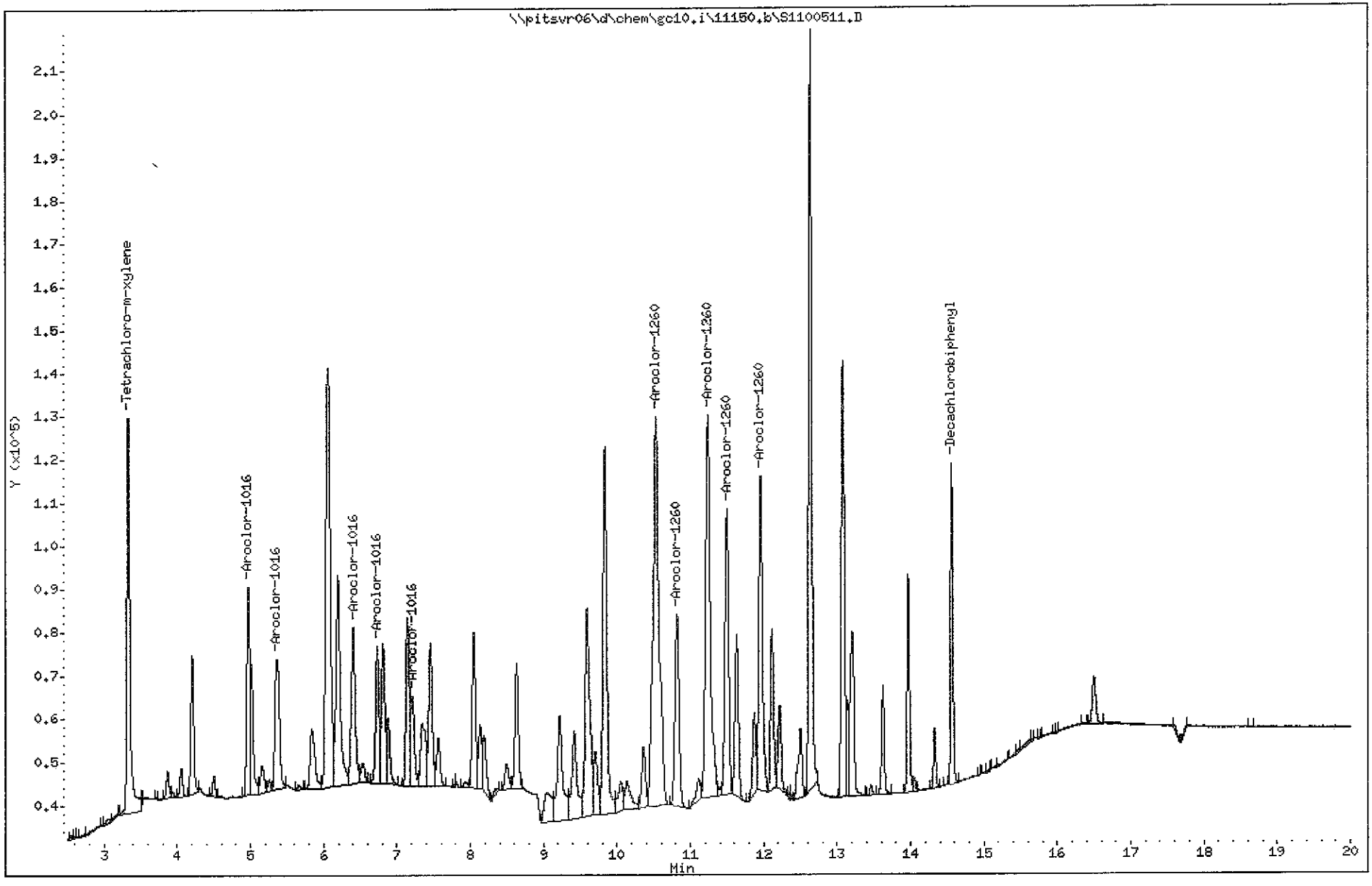
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
4.967	4.968	-0.001	48178	0.05000	0.060126	0.00- 0.00	0.00
5.357	5.359	-0.002	29886	0.05000	0.057418	100.00- 100.00	0.00
6.404	6.403	0.001	36209	0.05000	0.055352	223.51- 223.51	0.00
6.731	6.731	0.000	31737	0.05000	0.057268	223.51- 223.51	0.00
7.208	7.206	0.002	20872	0.05000	0.055768	317.56- 317.56	0.00
		Average of Peak Amounts =			0.05719		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.328	3.328	0.000	91496	0.00250	0.0027461		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.561	14.562	-0.001	74241	0.00250	0.0026701		
8 Aroclor-1260					CAS #: 11096-82-5		
10.533	10.530	0.003	89881	0.05000	0.057712	0.00- 0.00	0.00
10.816	10.814	0.002	44221	0.05000	0.055897	115.86- 115.86	0.00
11.238	11.235	0.003	88387	0.05000	0.055895	136.91- 136.91	0.00
11.497	11.496	0.001	65901	0.05000	0.056166	140.00- 140.00	0.00
11.956	11.960	-0.004	72467	0.05000	0.054551	128.33- 128.33	0.00
		Average of Peak Amounts =			0.05604		

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100511.D
Date : 15-NOV-2010 19:56
Client ID:
Sample Info: L1660,11150.b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100512.D
Report Date: 17-Nov-2010 06:53

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100512.D
Lab Smp Id: ML1660
Inj Date : 15-NOV-2010 20:22
Operator : 402360 Inst ID: gc10.i
Smp Info : ML1660,11150.b
Misc Info : GC0784-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 06:53 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 19:56 Cal File: S1100511.D
Als bottle: 14 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

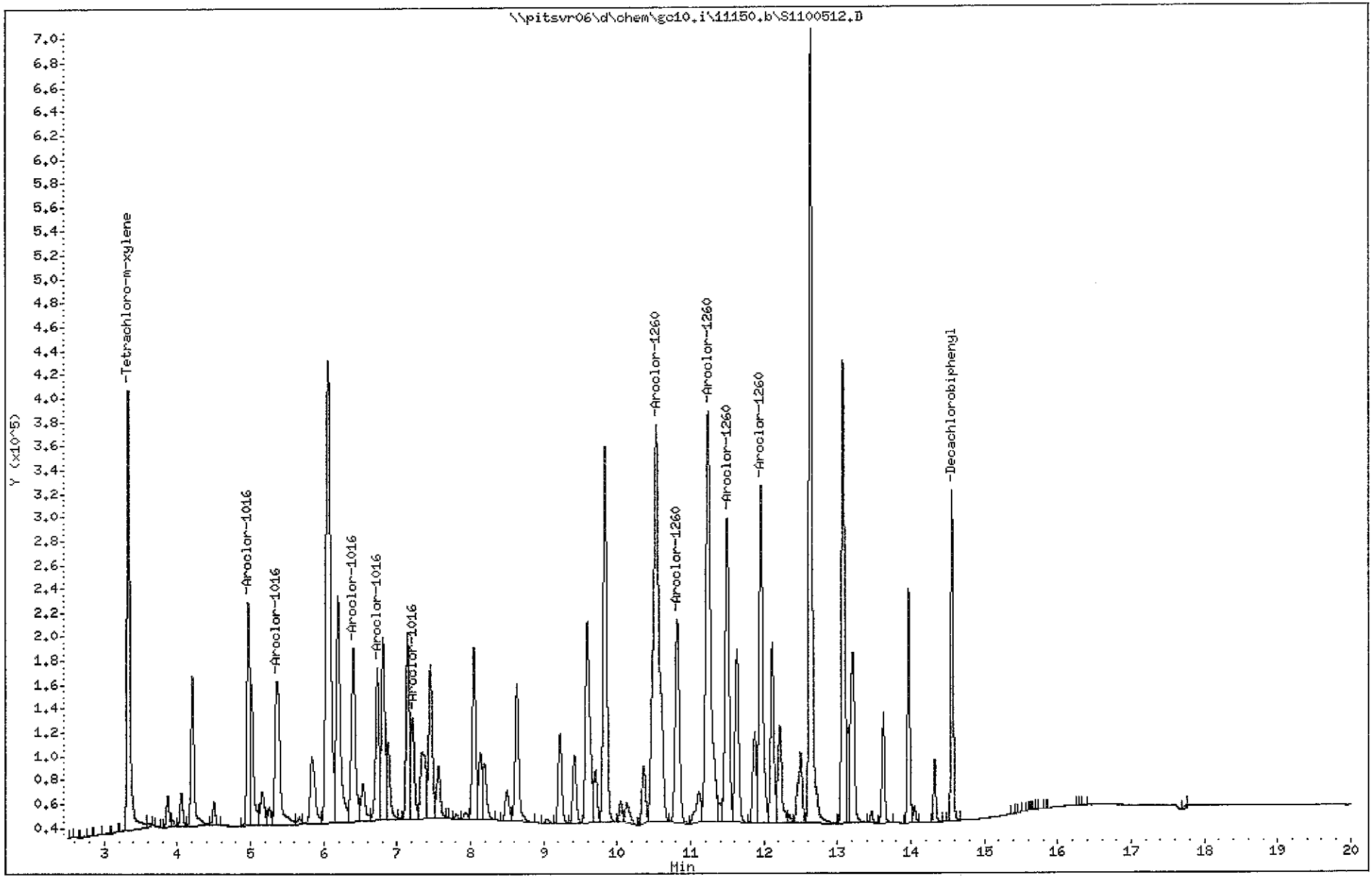
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
4.968	4.968	0.000	186943	0.20000	0.23330	0.00- 0.00	0.00
5.356	5.359	-0.003	120223	0.20000	0.23098	100.00- 100.00	0.00
6.403	6.403	0.000	144683	0.20000	0.22117	223.51- 223.51	0.00
6.729	6.731	-0.002	127618	0.20000	0.23028	223.51- 223.51	0.00
7.209	7.206	0.003	84780	0.20000	0.22652	317.56- 317.56	0.00
Average of Peak Amounts =					0.22845		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.329	3.328	0.001	368571	0.01000	0.011062		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.562	14.562	0.000	276503	0.01000	0.0099444		
8 Aroclor-1260					CAS #: 11096-82-5		
10.535	10.530	0.005	332194	0.20000	0.21330	0.00- 0.00	0.00
10.814	10.814	0.000	169552	0.20000	0.21432	115.86- 115.86	0.00
11.234	11.235	-0.001	343303	0.20000	0.21710	136.91- 136.91	0.00
11.494	11.496	-0.002	254293	0.20000	0.21673	140.00- 140.00	0.00
11.956	11.960	-0.004	282183	0.20000	0.21242	128.33- 128.33	0.00
Average of Peak Amounts =					0.21477		

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100512.D
Date : 15-NOV-2010 20:22
Client ID:
Sample Info: ML1660,11150.b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



(2001 - 2150)

2081

C0K030562

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100513.D
Report Date: 17-Nov-2010 06:53

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100513.D
Lab Smp Id: M1660
Inj Date : 15-NOV-2010 20:47
Operator : 402360 Inst ID: gc10.i
Smp Info : M1660,11150.b
Misc Info : GC0785-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 06:53 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 20:22 Cal File: S1100512.D
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

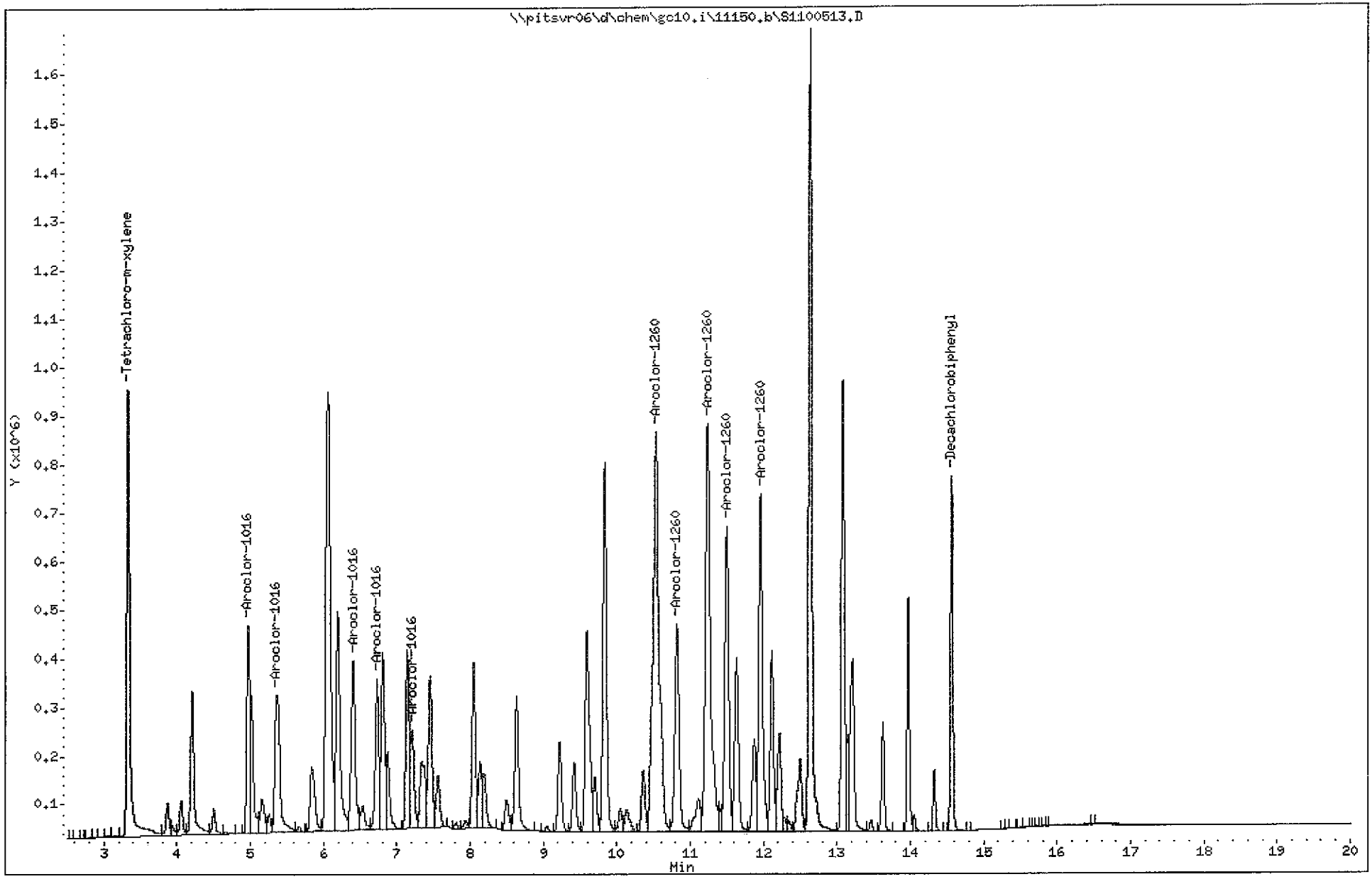
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
4.968	4.968	0.000	425104	0.50000	0.53053	0.00- 0.00	0.00
5.359	5.359	0.000	283135	0.50000	0.54397	100.00- 100.00	0.00
6.404	6.403	0.001	346723	0.50000	0.53002	223.51- 223.51	0.00
6.731	6.731	0.000	307317	0.50000	0.55454	223.51- 223.51	0.00
7.208	7.206	0.002	199329	0.50000	0.53259	317.56- 317.56	0.00
Average of Peak Amounts =					0.53833		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.329	3.328	0.001	919996	0.02500	0.027612		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.564	14.562	0.002	729258	0.02500	0.026228		
8 Aroclor-1260					CAS #: 11096-82-5		
10.532	10.530	0.002	819826	0.50000	0.52640	0.00- 0.00	0.00
10.818	10.814	0.004	425563	0.50000	0.53793	115.86- 115.86	0.00
11.234	11.235	-0.001	836601	0.50000	0.52906	136.91- 136.91	0.00
11.498	11.496	0.002	623506	0.50000	0.53140	140.00- 140.00	0.00
11.960	11.960	0.000	691938	0.50000	0.52087	128.33- 128.33	0.00
Average of Peak Amounts =					0.52913		

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100513.D
Date : 15-NOV-2010 20:47
Client ID:
Sample Info: M1660,11150.b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



(2001 - 2150)

2083

C0K030562

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100514.D
Report Date: 17-Nov-2010 06:53

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100514.D
Lab Smp Id: MH1660
Inj Date : 15-NOV-2010 21:12
Operator : 402360 Inst ID: gc10.i
Smp Info : MH1660,11150.b
Misc Info : GC0786-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 06:53 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 20:47 Cal File: S1100513.D
Als bottle: 16 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

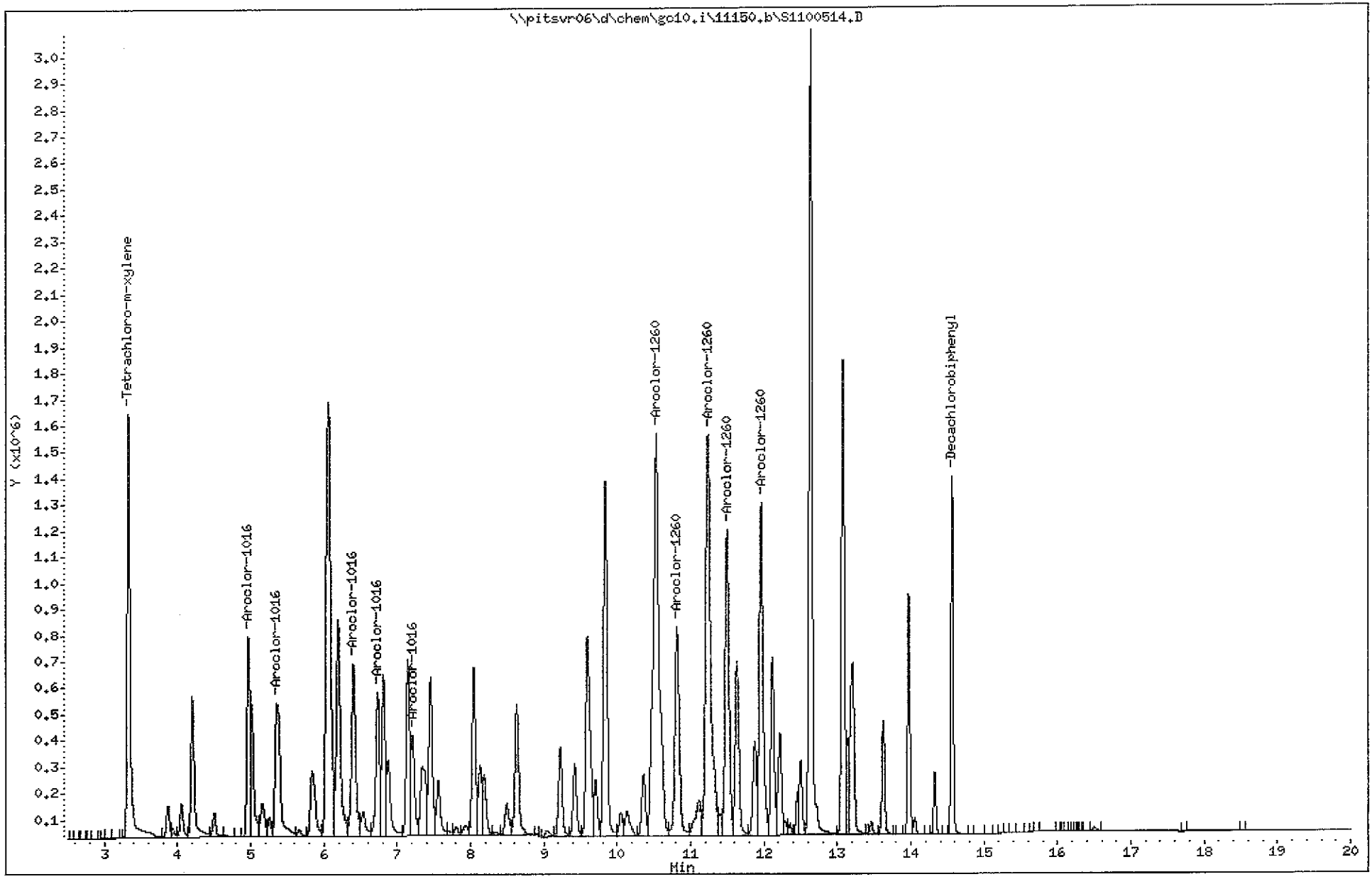
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
4.968	4.968	0.000	753393	1.00000	0.94023	0.00- 0.00	0.00
5.359	5.359	0.000	501208	1.00000	0.96294	100.00- 100.00	0.00
6.403	6.403	0.000	648868	1.00000	0.99191	223.51- 223.51	0.00
6.731	6.731	0.000	544803	1.00000	0.98308	223.51- 223.51	0.00
7.206	7.206	0.000	378333	1.00000	1.0109	317.56- 317.56	0.00
Average of Peak Amounts =					0.97781		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.328	3.328	0.000	1610749	0.05000	0.048344		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.562	14.562	0.000	1358736	0.05000	0.048867		
8 Aroclor-1260					CAS #: 11096-82-5		
10.530	10.530	0.000	1525966	1.00000	0.97981	0.00- 0.00	0.00
10.814	10.814	0.000	793714	1.00000	1.0033	115.86- 115.86	0.00
11.235	11.235	0.000	1523646	1.00000	0.96354	136.91- 136.91	0.00
11.496	11.496	0.000	1161841	1.00000	0.99022	140.00- 140.00	0.00
11.960	11.960	0.000	1263381	1.00000	0.95104	128.33- 128.33	0.00
Average of Peak Amounts =					0.97758		

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100514.D
Date : 15-NOV-2010 21:12
Client ID:
Sample Info: MH1660,11150.b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



(2001 - 2150)

2085

C0K030562

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100515.D
Report Date: 17-Nov-2010 06:53

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100515.D
Lab Smp Id: H1660
Inj Date : 15-NOV-2010 21:38
Operator : 402360 Inst ID: gc10.i
Smp Info : H1660,111540.b
Misc Info : GC0787-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 06:53 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 21:12 Cal File: S1100514.D
Als bottle: 17 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

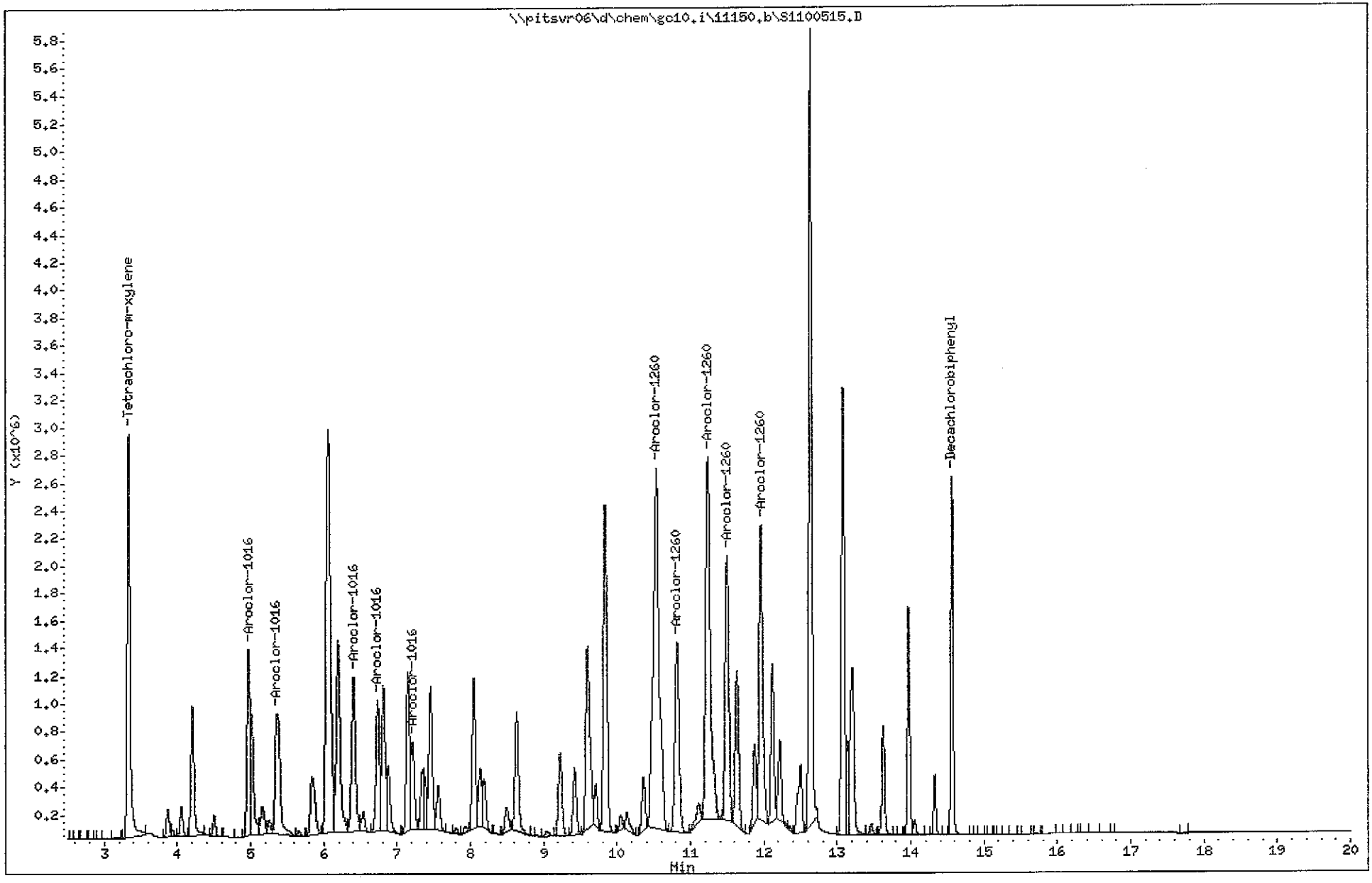
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
4.970	4.968	0.002	1335005	2.00000	1.6661	0.00- 0.00	0.00
5.358	5.359	-0.001	866929	2.00000	1.6656	100.00- 100.00	0.00
6.405	6.403	0.002	1113794	2.00000	1.7026	223.51- 223.51	0.00
6.731	6.731	0.000	943824	2.00000	1.7031	223.51- 223.51	0.00
7.206	7.206	0.000	628769	2.00000	1.6800	317.56- 317.56	0.00
Average of Peak Amounts =					1.68348		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.330	3.328	0.002	2910259	0.10000	0.087346		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.561	14.562	-0.001	2583396	0.10000	0.092912		
8 Aroclor-1260					CAS #: 11096-82-5		
10.531	10.530	0.001	2598774	2.00000	1.6686	0.00- 0.00	0.00
10.819	10.814	0.005	1368151	2.00000	1.7294	115.86- 115.86	0.00
11.239	11.235	0.004	2616233	2.00000	1.6545	136.91- 136.91	0.00
11.498	11.496	0.002	1909089	2.00000	1.6271	140.00- 140.00	0.00
11.960	11.960	0.000	2134443	2.00000	1.6068	128.33- 128.33	0.00
Average of Peak Amounts =					1.65728		

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100515.D
Date : 15-NOV-2010 21:38
Client ID:
Sample Info: H1660,111540,b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100516.D
Report Date: 17-Nov-2010 06:53

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100516.D
Lab Smp Id: XH1660
Inj Date : 15-NOV-2010 22:03
Operator : 402360 Inst ID: gc10.i
Smp Info : XH1660,11150.b
Misc Info : GC0788-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 06:53 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 21:38 Cal File: S1100515.D
Als bottle: 18 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

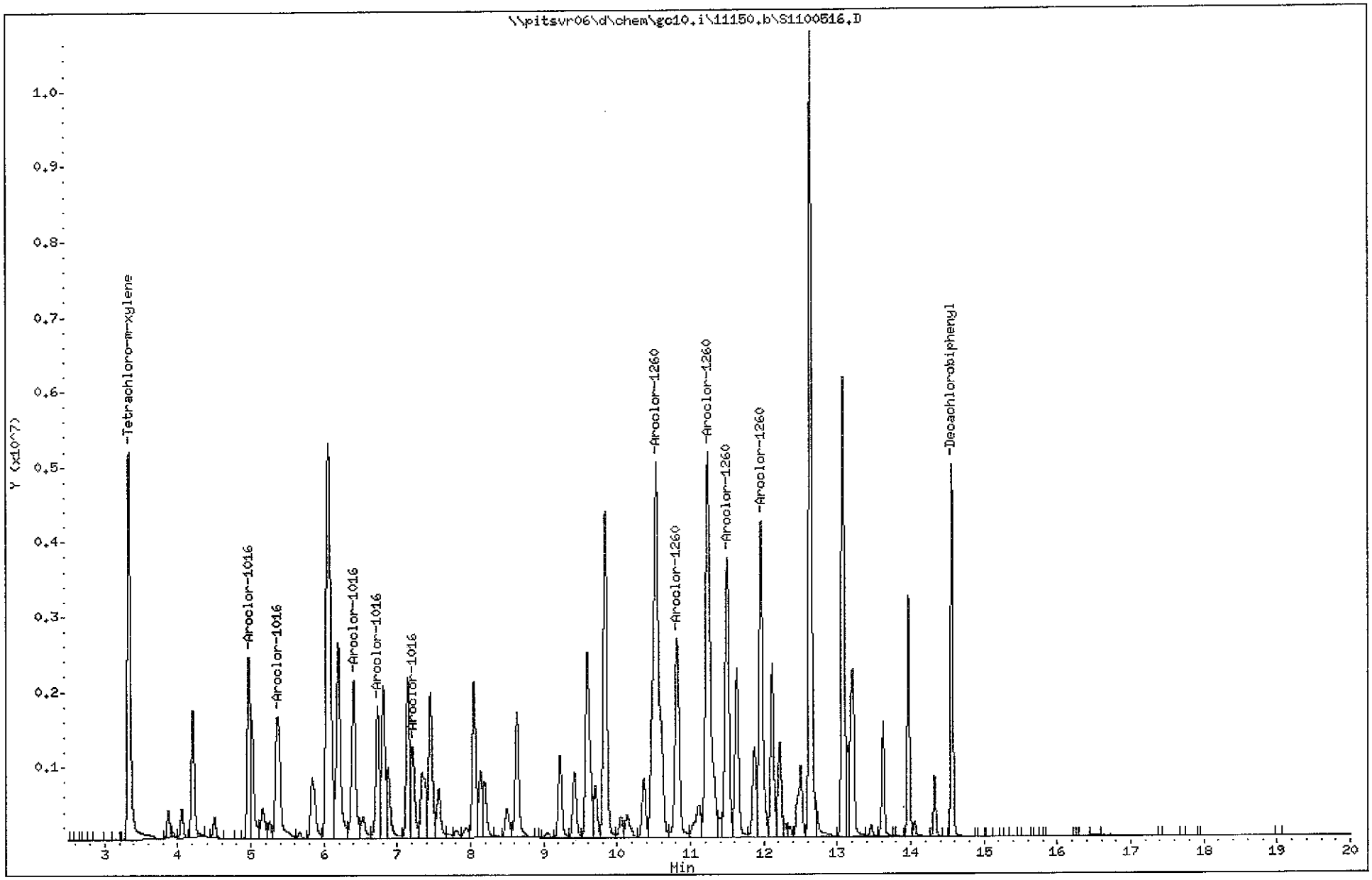
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
4.971	4.968	0.003	2410450	4.00000	3.0082	0.00- 0.00	0.00
5.362	5.359	0.003	1627547	4.00000	3.1269	100.00- 100.00	0.00
6.406	6.403	0.003	2096531	4.00000	3.2049	223.51- 223.51	0.00
6.731	6.731	0.000	1763552	4.00000	3.1823	223.51- 223.51	0.00
7.207	7.206	0.001	1213372	4.00000	3.2420	317.56- 317.56	0.00
Average of Peak Amounts =					3.15286		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.331	3.328	0.003	5178089	0.20000	0.15541		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.561	14.562	-0.001	4937897	0.20000	0.17759		
8 Aroclor-1260					CAS #: 11096-82-5		
10.533	10.530	0.003	4990026	4.00000	3.2040	0.00- 0.00	0.00
10.816	10.814	0.002	2639115	4.00000	3.3360	115.86- 115.86	0.00
11.238	11.235	0.003	5125354	4.00000	3.2412	136.91- 136.91	0.00
11.497	11.496	0.001	3711395	4.00000	3.1632	140.00- 140.00	0.00
11.959	11.960	-0.001	4206792	4.00000	3.1668	128.33- 128.33	0.00
Average of Peak Amounts =					3.22224		

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100516.D
Date : 15-NOV-2010 22:03
Client ID:
Sample Info: XH1660,11150,b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100517.D
Report Date: 17-Nov-2010 10:10

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100517.D
Lab Smp Id: 2M2154
Inj Date : 15-NOV-2010 22:29
Operator : 402360 Inst ID: gc10.i
Smp Info : 2M2154,11150.b
Misc Info : GC0861-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 10:10 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 19 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

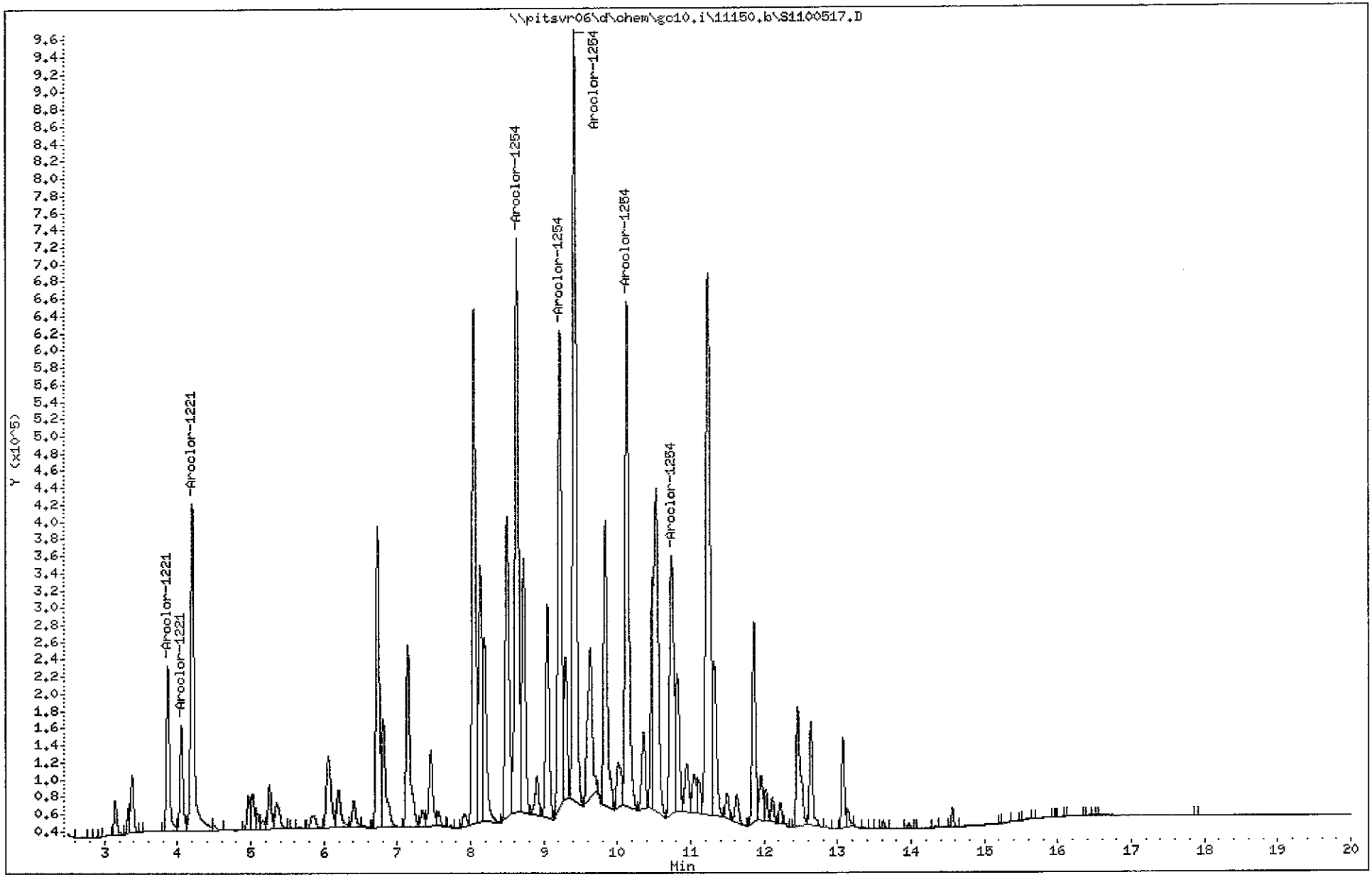
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
1 Aroclor-1221					CAS #: 11104-28-2			
3.866	3.868	-0.002	192646	0.50000	0.51202	0.00-	0.00	0.00
4.052	4.054	-0.002	123417	0.50000	0.49996	136.57-	136.57	0.00
4.202	4.203	-0.001	380114	0.50000	0.50100	86.04-	86.04	0.00
		Average of Peak Amounts =			0.50433			
7 Aroclor-1254					CAS #: 11097-69-1			
8.631	8.632	-0.001	666906	0.50000	0.51514	0.00-	0.00	0.00
9.215	9.217	-0.002	554882	0.50000	0.50670	112.23-	112.23	0.00
9.416	9.417	-0.001	894133	0.50000	0.50854	97.40-	97.40	0.00
10.131	10.132	-0.001	586154	0.50000	0.50820	71.09-	71.09	0.00
10.737	10.737	0.000	300129	0.50000	0.54017	85.01-	85.01	0.00
		Average of Peak Amounts =			0.51575			

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100517.D
Date : 15-NOV-2010 22:29
Client ID:
Sample Info: 2M2154,11150.b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



(2001 - 2150)
2091
C0K030562

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100518.D
Report Date: 17-Nov-2010 10:10

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100518.D
Lab Smp Id: 2M1232
Inj Date : 15-NOV-2010 22:54
Operator : 402360 Inst ID: gc10.i
Smp Info : 2M1232,11150.b
Misc Info : GC0862-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 10:10 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1232.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

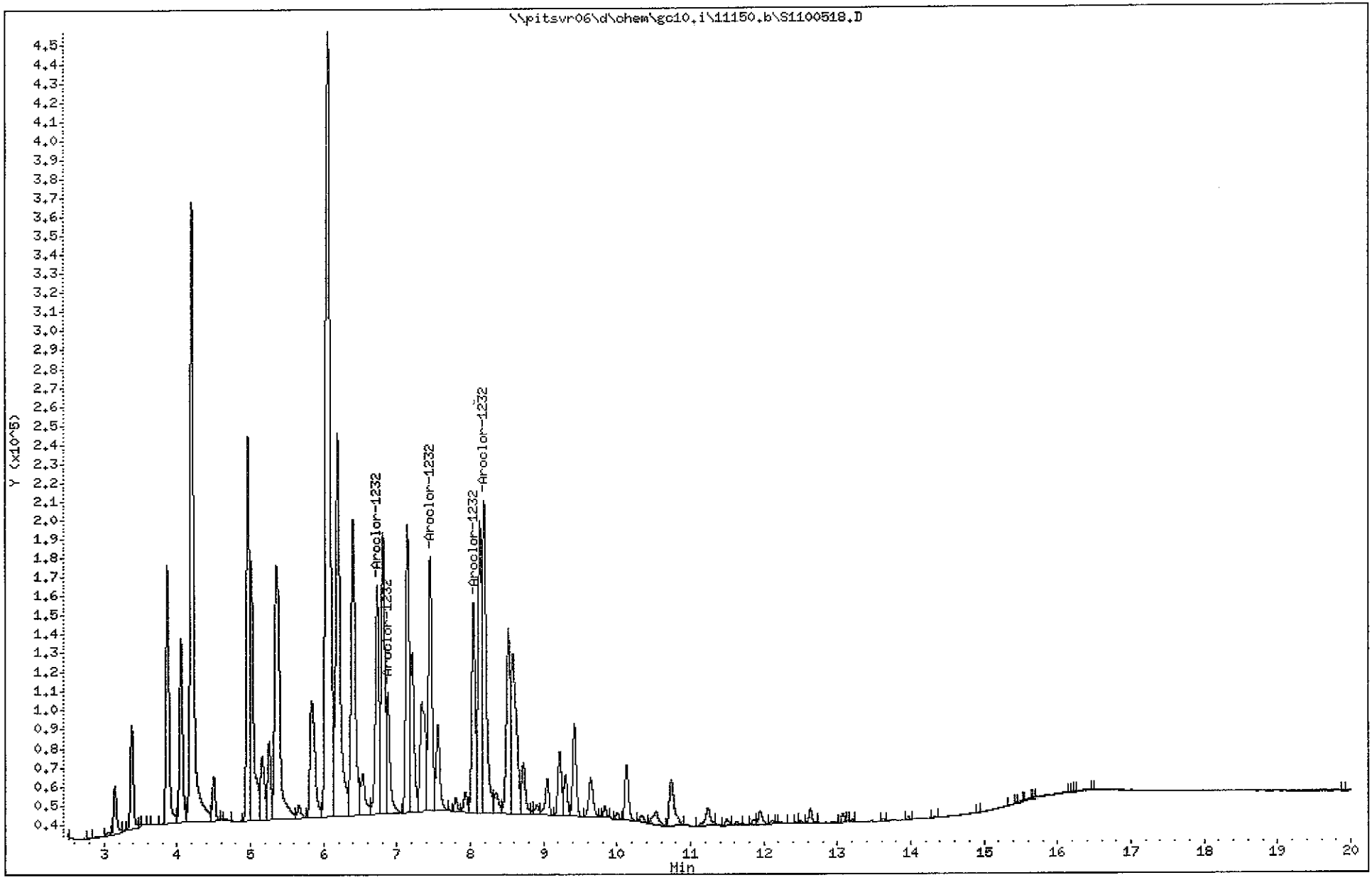
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
3 Aroclor-1232					CAS #: 11141-16-5			
6.731	6.732	-0.001	119408	0.50000	0.41634	0.00-	0.00	0.00
6.874	6.873	0.001	62886	0.50000	0.47260	166.26-	166.26	0.00
7.453	7.456	-0.003	133433	0.50000	0.46894	85.99-	85.99	0.00
8.044	8.047	-0.003	110423	0.50000	0.41328	94.18-	94.18	0.00
8.189	8.187	0.002	164631	0.50000	0.46338	0.00-	0.00	0.00
		Average of Peak Amounts =			0.44691			

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100518.D
Date : 15-NOV-2010 22:54
Client ID:
Sample Info: 2M1232,11150.b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100519.D
Report Date: 17-Nov-2010 10:10

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100519.D
Lab Smp Id: 2M1242
Inj Date : 15-NOV-2010 23:19
Operator : 402360 Inst ID: gc10.i
Smp Info : 2M1242,11150.b
Misc Info : GC0863-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 10:10 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 21 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

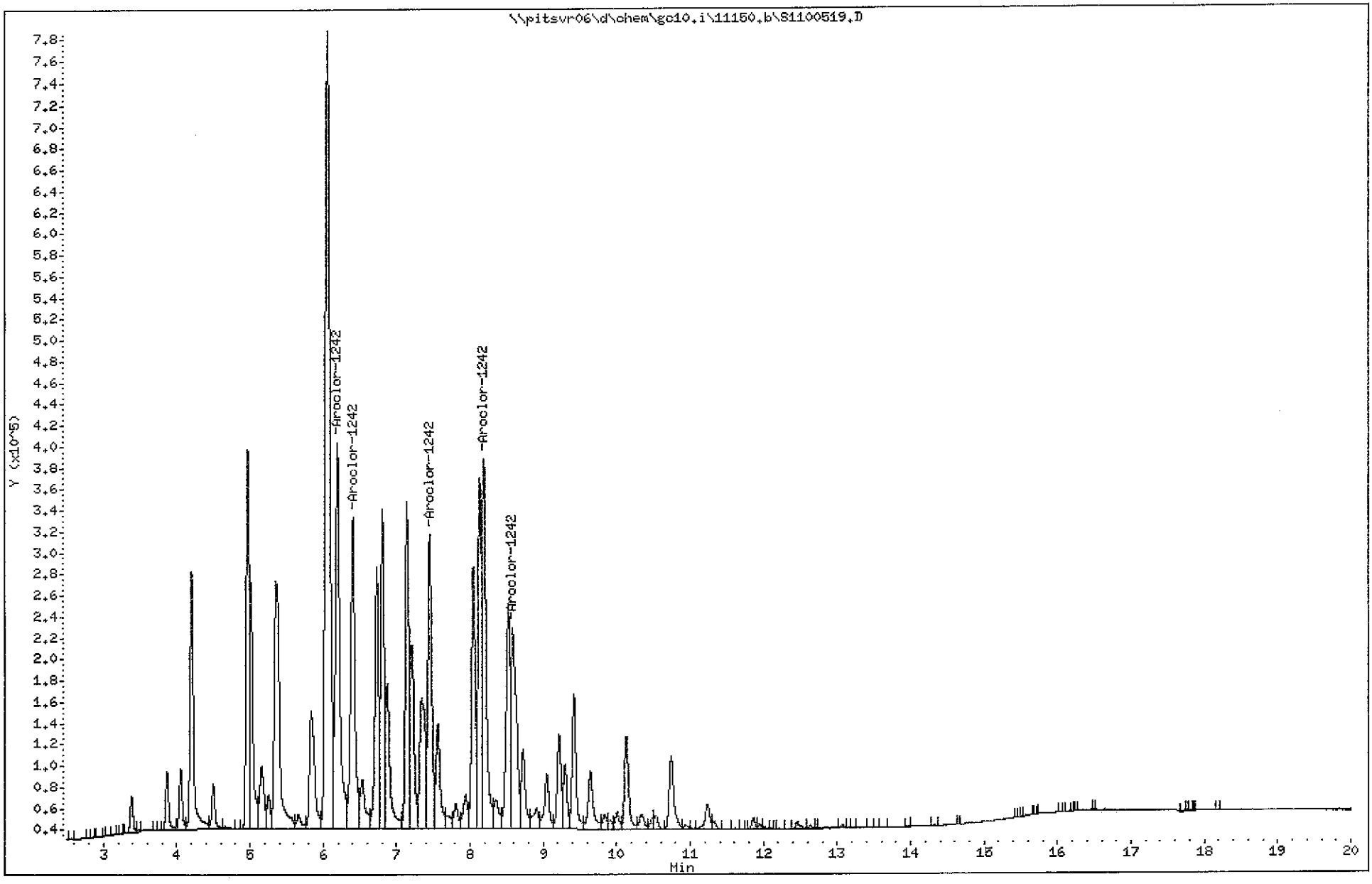
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
5 Aroclor-1242						CAS #: 53469-21-9		
6.193	6.196	-0.003	362175	0.50000	0.49311	0.00-	0.00	0.00
6.405	6.405	0.000	291701	0.50000	0.52386	330.13-	330.13	0.00
7.453	7.452	0.001	276227	0.50000	0.52529	769.70-	769.70	0.00
8.188	8.187	0.001	346853	0.50000	0.52044	532.48-	532.48	0.00
8.578	8.583	-0.005	188169	0.50000	0.54022	334.30-	334.30	0.00
		Average of Peak Amounts =			0.52058			

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100519.D
Date : 15-NOV-2010 23:19
Client ID:
Sample Info: 2M1242,11150.b

Column phase: MR-1

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53



Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100520.D
Report Date: 17-Nov-2010 10:10

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100520.D
Lab Smp Id: 2M1248
Inj Date : 15-NOV-2010 23:45
Operator : 402360 Inst ID: gc10.i
Smp Info : 2M1248,11150.b
Misc Info : GC0865-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 10:10 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 22 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

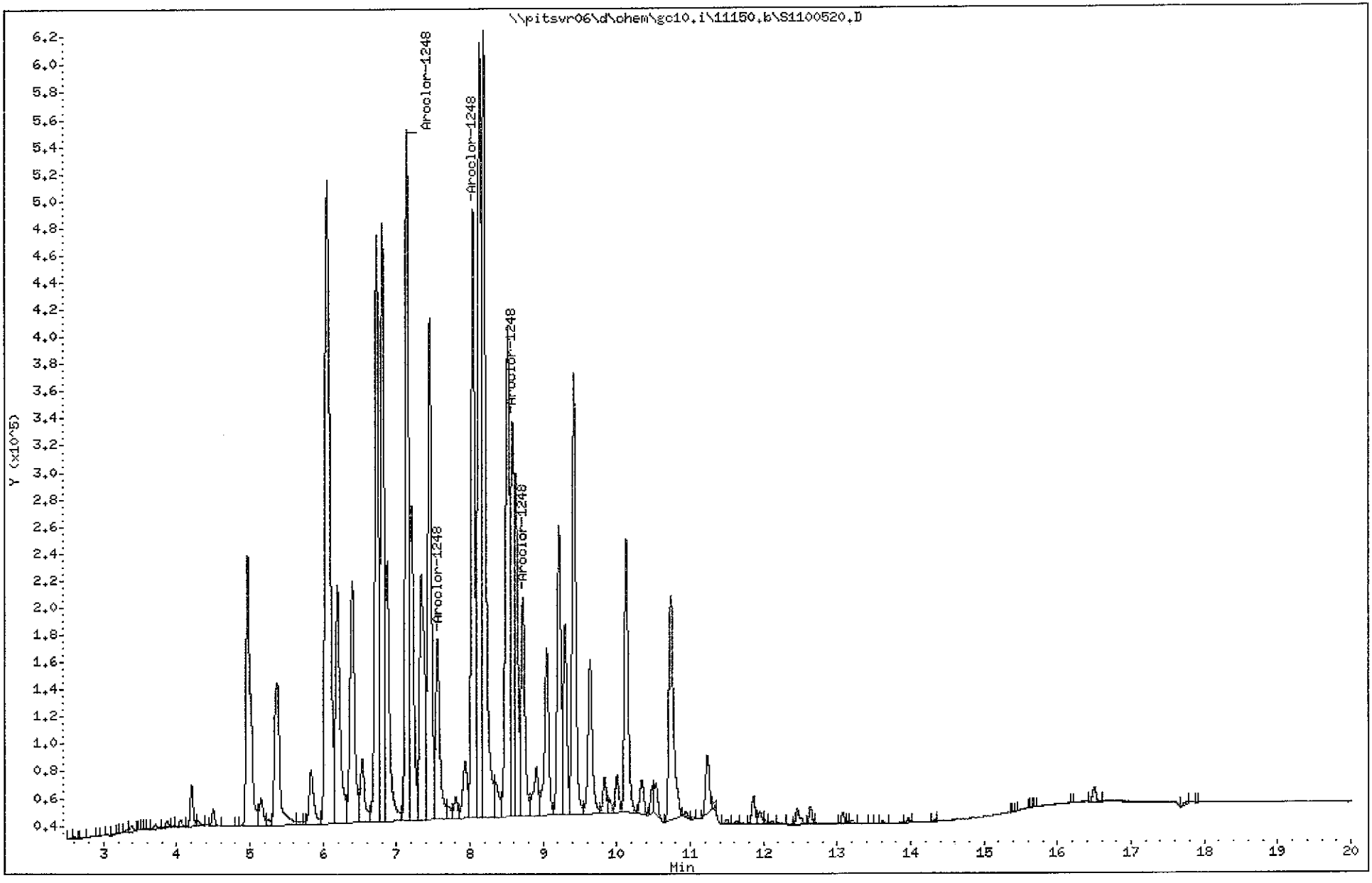
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
6 Aroclor-1248					CAS #: 12672-29-6		
7.143	7.142	0.001	508388	0.50000	0.50833	0.00- 0.00	0.00
7.561	7.564	-0.003	132179	0.50000	0.47880	134.57- 134.57	0.00
8.043	8.046	-0.003	447088	0.50000	0.48646	83.67- 83.67	0.00
8.582	8.583	-0.001	289958	0.50000	0.50335	63.86- 63.86	0.00
8.722	8.723	-0.001	160759	0.50000	0.48946	148.08- 148.08	0.00
		Average of Peak Amounts =			0.49328		

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100520.D
Date : 15-NOV-2010 23:45
Client ID:
Sample Info: 2M1248,11150.b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100521.D
Report Date: 17-Nov-2010 10:10

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100521.D
Lab Smp Id: 2M1262
Inj Date : 16-NOV-2010 00:10
Operator : 402360 Inst ID: gc10.i
Smp Info : 2M1262,11150.b
Misc Info : GC0866-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 10:10 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 23 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

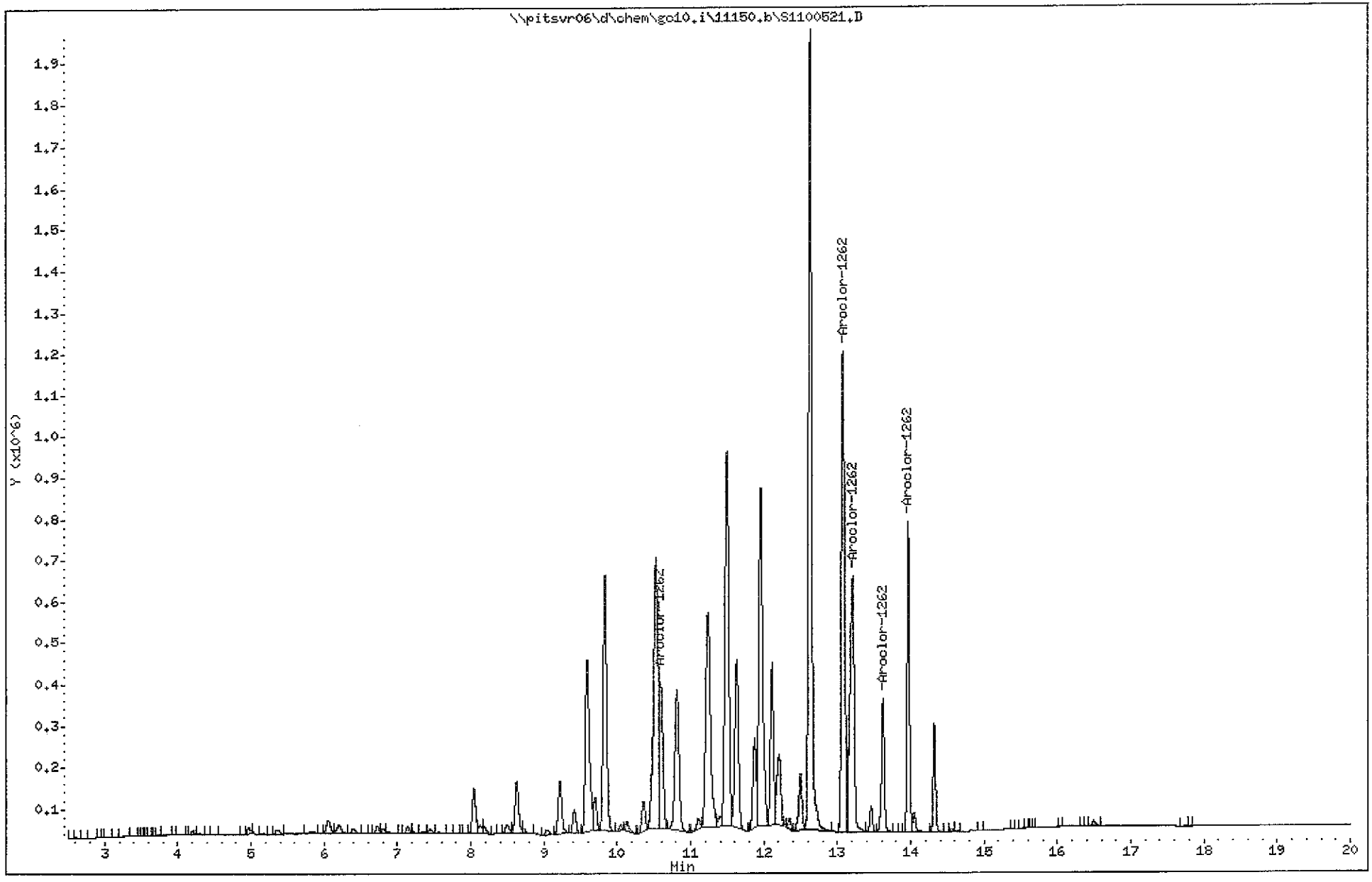
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
9 Aroclor-1262					CAS #: 37324-23-5			
10.586	10.593	-0.007	352630	0.50000	0.52272	0.00-	0.00	0.00
13.077	13.082	-0.005	1158466	0.50000	0.54633	0.00-	0.00	0.00
13.211	13.212	-0.001	617007	0.50000	0.54010	0.00-	0.00	0.00
13.621	13.626	-0.005	320646	0.50000	0.56184	0.00-	0.00	0.00
13.967	13.970	-0.003	748510	0.50000	0.56608	0.00-	0.00	0.00
		Average of Peak Amounts =			0.54741			

Data File: \\pitsvr06\d\chem\go10.i\11150.b\S1100521.D
Date : 16-NOV-2010 00:10
Client ID:
Sample Info: 2M1262,11150.b

Instrument: go10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



(2001 - 2150)
2099
C0K030562

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100522.D
Report Date: 17-Nov-2010 10:10

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100522.D
Lab Smp Id: 2M1268
Inj Date : 16-NOV-2010 00:36
Operator : 402360 Inst ID: gc10.i
Smp Info : 2M1268,11150.b
Misc Info : GC0868-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 10:10 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 24 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1268.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

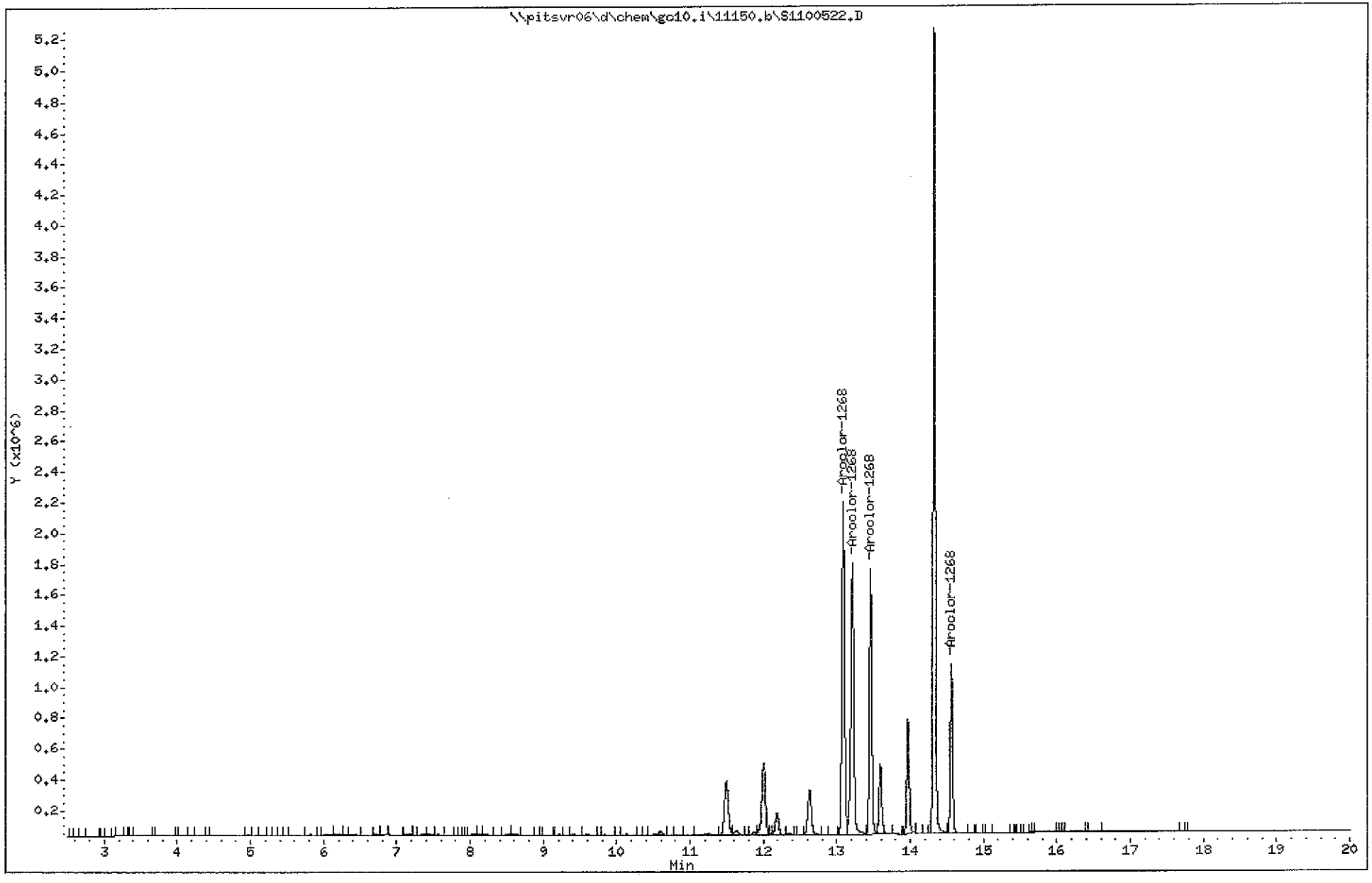
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
10 Aroclor-1268					CAS #: 11100-14-4			
13.087	13.089	-0.002	2156164	0.50000	0.51601	0.00-	0.00	0.00
13.214	13.217	-0.003	1763673	0.50000	0.52252	0.00-	0.00	0.00
13.460	13.464	-0.004	1719185	0.50000	0.52380	0.00-	0.00	0.00
14.561	14.561	0.000	1101764	0.50000	0.52023	0.00-	0.00	0.00
		Average of Peak Amounts =			0.52064			

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100522.D
Date : 16-NOV-2010 00:36
Client ID:
Sample Info: 2M1268,11150.b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



(2001 - 2150)
2101
C0K030562

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100523.D
Report Date: 17-Nov-2010 10:10

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100523.D
Lab Smp Id: 2M1660
Inj Date : 16-NOV-2010 01:01
Operator : 402360 Inst ID: gc10.i
Smp Info : 2M1660,11150.b
Misc Info : GC0869-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 17-Nov-2010 10:10 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

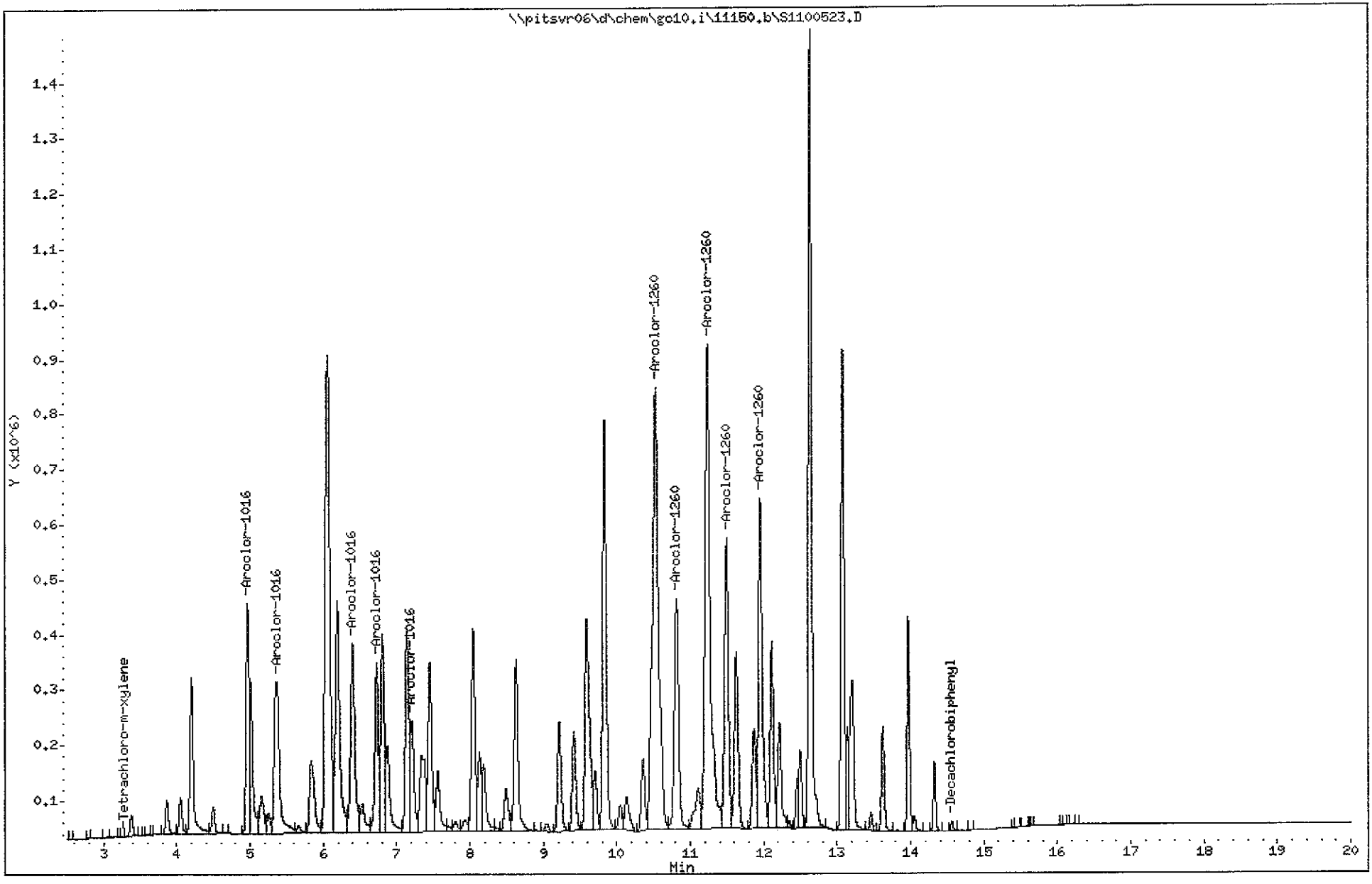
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
4.965	4.968	-0.003	416967	0.50000	0.52037	0.00- 0.00	0.00
5.365	5.359	0.006	274161	0.50000	0.52673	100.00- 100.00	0.00
6.401	6.403	-0.002	340854	0.50000	0.52105	223.51- 223.51	0.00
6.730	6.731	-0.001	305247	0.50000	0.55081	223.51- 223.51	0.00
7.202	7.206	-0.004	200171	0.50000	0.53484	317.56- 317.56	0.00
		Average of Peak Amounts =			0.53076		
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.282	3.328	-0.046	440	0.02500	0.000013206		
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.560	14.562	-0.002	17068	0.02500	0.00061385		
8 Aroclor-1260					CAS #: 11096-82-5		
10.529	10.530	-0.001	798843	0.50000	0.51293	0.00- 0.00	0.00
10.811	10.814	-0.003	416860	0.50000	0.52693	115.86- 115.86	0.00
11.233	11.235	-0.002	877314	0.50000	0.55481	136.91- 136.91	0.00
11.498	11.496	0.002	524527	0.50000	0.44704	140.00- 140.00	0.00
11.954	11.960	-0.006	596339	0.50000	0.44891	128.33- 128.33	0.00
		Average of Peak Amounts =			0.49812		

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100523.D
Date : 16-NOV-2010 01:01
Client ID:
Sample Info: 2M1660,11150.b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100620.D
Report Date: 19-Nov-2010 11:40

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100620.D
Lab Smp Id: M2154
Inj Date : 18-NOV-2010 16:17
Operator : 402360 Inst ID: gc10.i
Smp Info : M2154,11150.b
Misc Info : GC0966-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 19-Nov-2010 11:40 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

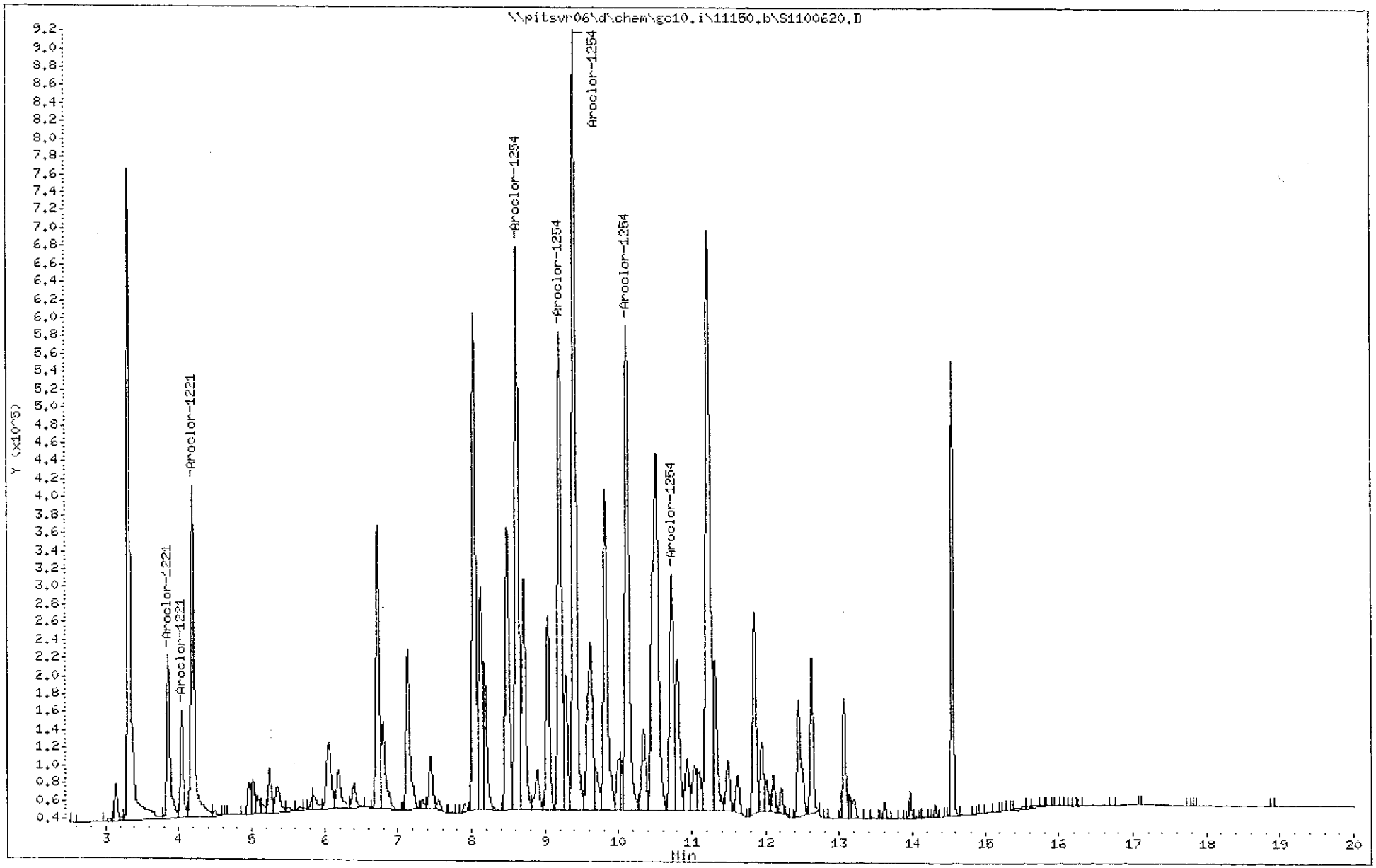
				AMOUNTS CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
1 Aroclor-1221					CAS #: 11104-28-2		
3.861	3.868	-0.007	182928	0.50000	0.48619	0.00- 0.00	0.00
4.046	4.054	-0.008	119753	0.50000	0.48511	136.57- 136.57	0.00
4.197	4.203	-0.006	371612	0.50000	0.48979	86.04- 86.04	0.00
		Average of Peak Amounts =			0.48703		
7 Aroclor-1254					CAS #: 11097-69-1		
8.622	8.632	-0.010	628883	0.50000	0.48577	0.00- 0.00	0.00
9.208	9.217	-0.009	535099	0.50000	0.48864	112.23- 112.23	0.00
9.412	9.417	-0.005	869846	0.50000	0.49472	97.40- 97.40	0.00
10.123	10.132	-0.009	542983	0.50000	0.47078	71.09- 71.09	0.00
10.730	10.737	-0.007	264642	0.50000	0.47630	85.01- 85.01	0.00
		Average of Peak Amounts =			0.48324		

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100620.D
Date : 18-NOV-2010 16:17
Client ID:
Sample Info: M2154,11150,b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



C0K030562 2105 (2001 - 2150)

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100621.D
Report Date: 19-Nov-2010 11:40

TA Pittsburgh

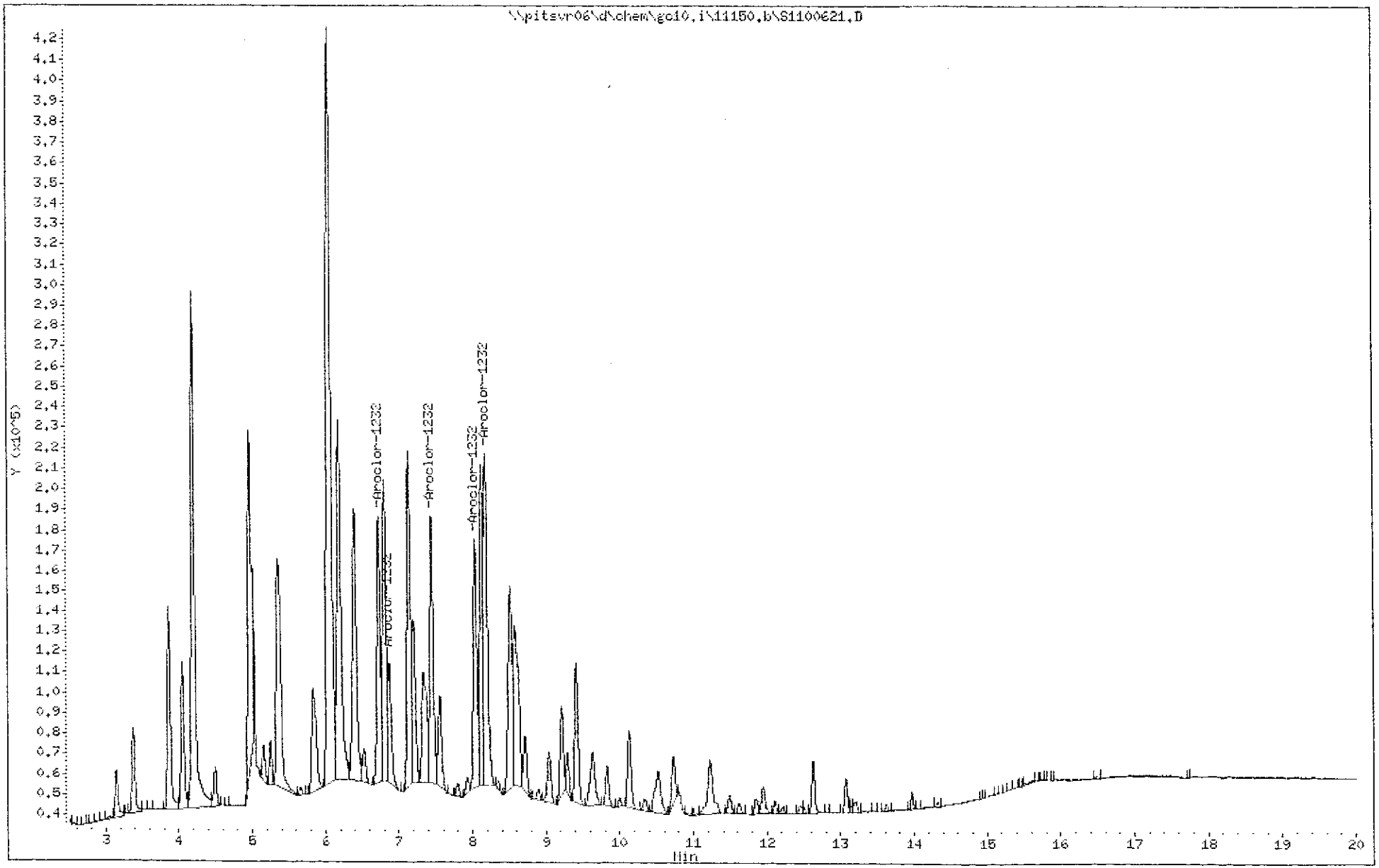
Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100621.D
Lab Smp Id: M1232
Inj Date : 18-NOV-2010 16:43
Operator : 402360 Inst ID: gc10.i
Smp Info : M1232,11150.b
Misc Info : GC0967-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 19-Nov-2010 11:40 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1232.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
3 Aroclor-1232					CAS #: 11141-16-5		
6.725	6.732	-0.007	131403	0.50000	0.45816	0.00- 0.00	0.00
6.868	6.873	-0.005	58584	0.50000	0.44027	166.26- 166.26	0.00
7.446	7.456	-0.010	131317	0.50000	0.46150	85.99- 85.99	0.00
8.037	8.047	-0.010	121802	0.50000	0.45587	94.18- 94.18	0.00
8.186	8.187	-0.001	162356	0.50000	0.45698	0.00- 0.00	0.00
		Average of Peak Amounts =			0.45456		

Data File: \\pitsvr06\d\chem\gc10,i\11150,b\S1100621.D
Date : 18-NOV-2010 16:43
Client ID:
Sample Info: M1232,11150,b

Instrument: gc10,i

Operator: 402360
Column phase: HR-1
Column diameter: 0.53



(2001 - 2150)
2107
C0K030562

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100622.D
Report Date: 19-Nov-2010 11:40

TA Pittsburgh

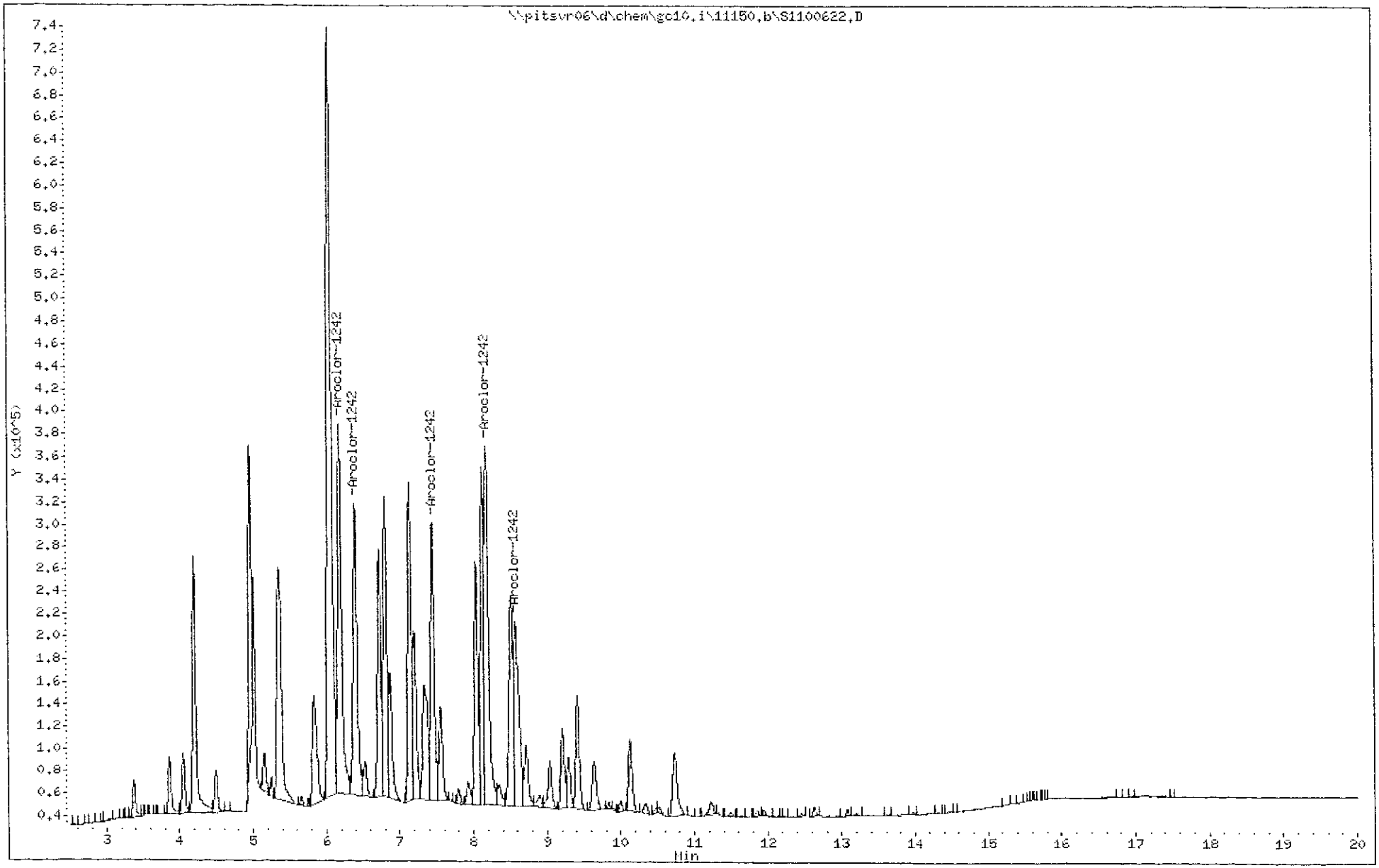
Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100622.D
Lab Smp Id: M1242
Inj Date : 18-NOV-2010 17:08
Operator : 402360 Inst ID: gc10.i
Smp Info : M1242,11150.b
Misc Info : GC0968-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 19-Nov-2010 11:40 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1242.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
6.190	6.196	-0.006	329265	0.50000	0.44831	0.00- 0.00	0.00
6.400	6.405	-0.005	259808	0.50000	0.46659	330.13- 330.13	0.00
7.449	7.452	-0.003	247652	0.50000	0.47095	769.70- 769.70	0.00
8.184	8.187	-0.003	319940	0.50000	0.48006	532.48- 532.48	0.00
8.576	8.583	-0.007	165356	0.50000	0.47473	334.30- 334.30	0.00
		Average of Peak Amounts =			0.46813		

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100622.D
Date : 18-NOV-2010 17:08
Client ID:
Sample Info: H1242,11150,b

Instrument: gc10.i

Operator: 402360
Column phase: HR-1
Column diameter: 0.53



(2001 - 2150)
2109
C0K030562

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100623.D
Report Date: 19-Nov-2010 11:40

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100623.D
Lab Smp Id: M1248
Inj Date : 18-NOV-2010 17:34
Operator : 402360 Inst ID: gc10.i
Smp Info : M1248,11150.b
Misc Info : GC0969-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 19-Nov-2010 11:40 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1248.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

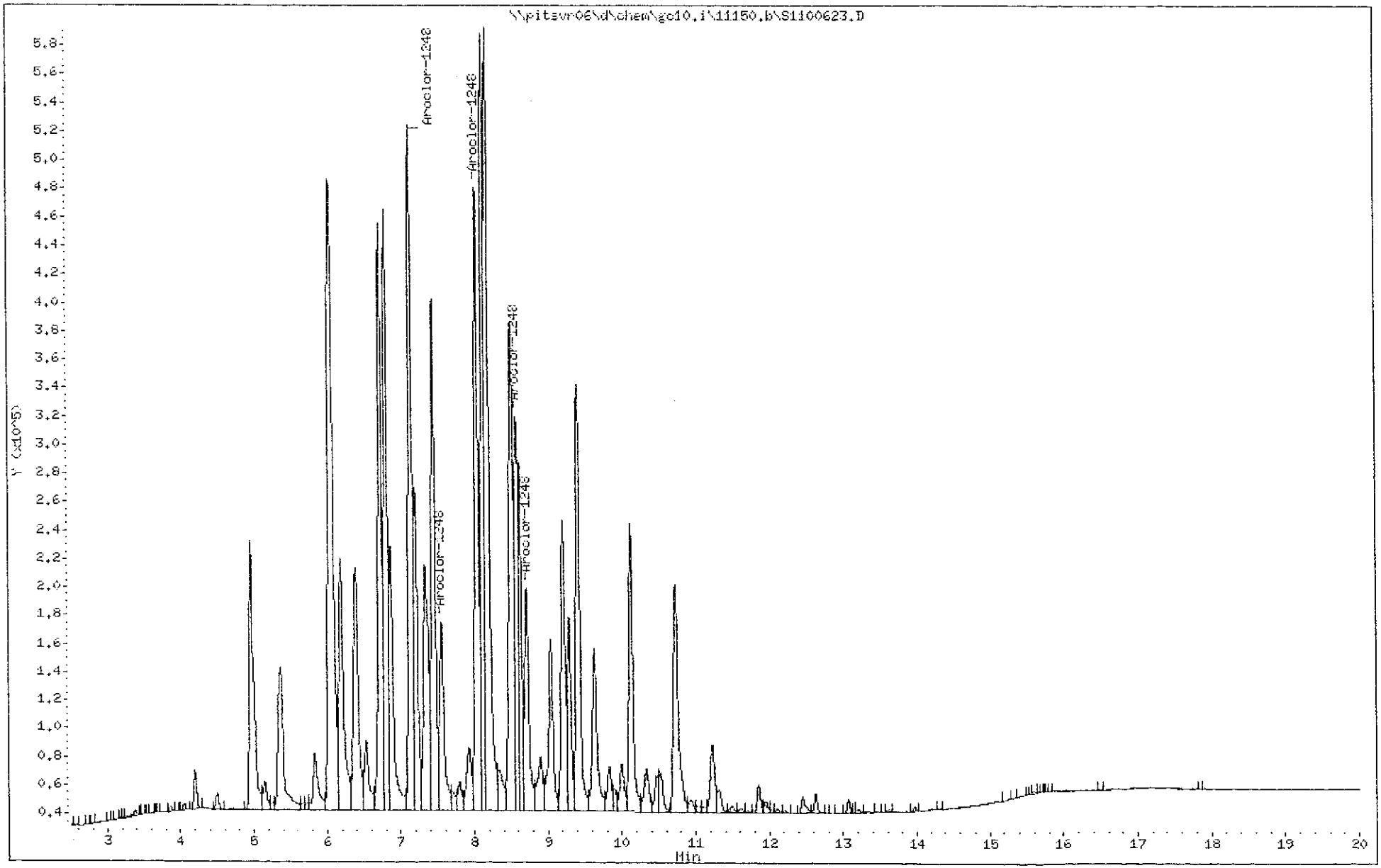
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
6 Aroclor-1248					CAS #: 12672-29-6		
7.138	7.142	-0.004	481459	0.50000	0.48140	0.00- 0.00	0.00
7.558	7.564	-0.006	132808	0.50000	0.48108	134.57- 134.57	0.00
8.042	8.046	-0.004	438765	0.50000	0.47740	83.67- 83.67	0.00
8.581	8.583	-0.002	277882	0.50000	0.48239	63.86- 63.86	0.00
8.718	8.723	-0.005	157552	0.50000	0.47969	148.08- 148.08	0.00
		Average of Peak Amounts =			0.48039		

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100623.D
Date : 18-NOV-2010 17:34
Client ID:
Sample Info: M1248,11150,b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: HR-1



(2001 - 2150)
2111
C0K030562

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100624.D
Report Date: 19-Nov-2010 11:40

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100624.D
Lab Smp Id: M1262
Inj Date : 18-NOV-2010 17:59
Operator : 402360 Inst ID: gc10.i
Smp Info : M1262,11150.b
Misc Info : GC0970-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 19-Nov-2010 11:40 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 6 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1262.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

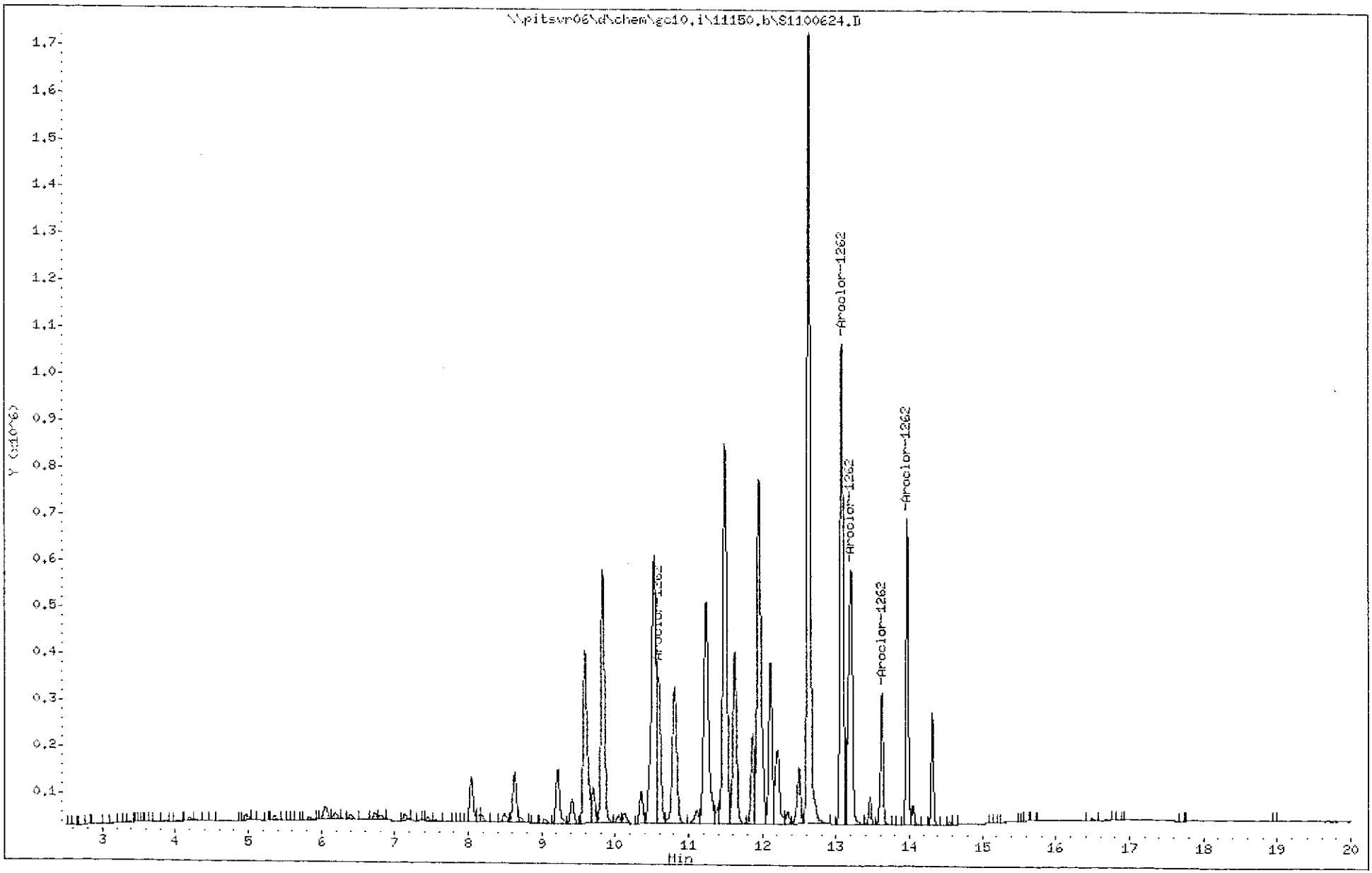
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
9 Aroclor-1262					CAS #: 37324-23-5			
10.587	10.593	-0.006	315642	0.50000	0.46789	0.00-	0.00	0.00
13.078	13.082	-0.004	1027506	0.50000	0.48457	0.00-	0.00	0.00
13.204	13.212	-0.008	546061	0.50000	0.47799	0.00-	0.00	0.00
13.619	13.626	-0.007	282136	0.50000	0.49436	0.00-	0.00	0.00
13.965	13.970	-0.005	656933	0.50000	0.49682	0.00-	0.00	0.00
		Average of Peak Amounts =			0.48433			

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100624.D
Date : 18-NOV-2010 17:59
Client ID:
Sample Info: H1262,11150.b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: HR-1



Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100625.D
Report Date: 19-Nov-2010 11:40

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100625.D
Lab Smp Id: M1268
Inj Date : 18-NOV-2010 18:24
Operator : 402360 Inst ID: gc10.i
Smp Info : M1268,11150.b
Misc Info : GC0971-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 19-Nov-2010 11:40 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 7 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1268.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-126

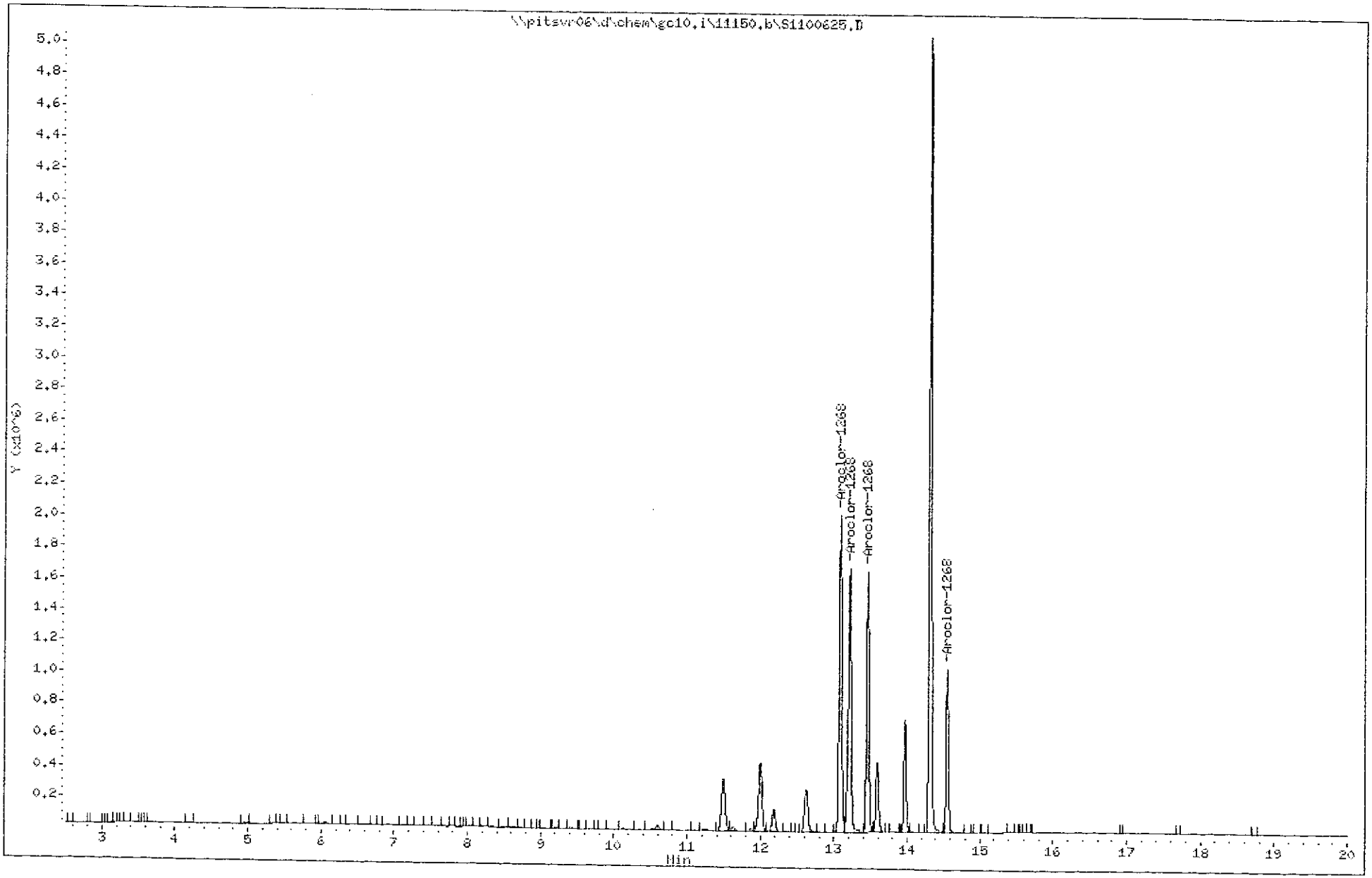
				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO
10 Aroclor-1268					CAS #: 11100-14-4		
13.084	13.089	-0.005	2016863	0.50000	0.48267	0.00- 0.00	0.00
13.210	13.217	-0.007	1674424	0.50000	0.49608	0.00- 0.00	0.00
13.459	13.464	-0.005	1656495	0.50000	0.50470	0.00- 0.00	0.00
14.556	14.561	-0.005	1035902	0.50000	0.48913	0.00- 0.00	0.00
		Average of Peak Amounts =			0.49315		

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100625.D
Date : 18-NOV-2010 18:24
Client ID:
Sample Info: MI268,11150.b

Instrument: gc10.i

Operator: 402360
Column diameter: 0.53

Column phase: MR-1



(2001 - 2150)
2115
C0K030562

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100626.D
Report Date: 19-Nov-2010 11:40

TA Pittsburgh

Data file : \\pitsvr06\d\chem\gc10.i\11150.b\S1100626.D
Lab Smp Id: M1660
Inj Date : 18-NOV-2010 18:50
Operator : 402360 Inst ID: gc10.i
Smp Info : M1660,11150.b
Misc Info : GC0785-10
Comment : 8082 PCB ANALYSIS
Method : \\pitsvr06\d\chem\gc10.i\11150.b\PCBA.m
Meth Date : 19-Nov-2010 11:40 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 8 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-126

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10.000	Volume of final extract
Vi	1.000	volume injected
Ws	5.000	initial volume of sample
Cpnd Variable		Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
4 Aroclor-1016					CAS #: 12674-11-2			
4.965	4.968	-0.003	400013	0.50000	0.49921	0.00-	0.00	0.00(aM)
5.352	5.359	-0.007	253205	0.50000	0.48647	100.00-	100.00	0.00
6.399	6.403	-0.004	330407	0.50000	0.50508	223.51-	223.51	0.00
6.727	6.731	-0.004	286878	0.50000	0.51766	223.51-	223.51	0.00
7.201	7.206	-0.005	195326	0.50000	0.52189	317.56-	317.56	0.00
Average of Peak Amounts =					0.50606			
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
3.324	3.328	-0.004	872475	0.02500	0.026186			
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3			
14.558	14.562	-0.004	680391	0.02500	0.024470			
8 Aroclor-1260					CAS #: 11096-82-5			
10.524	10.530	-0.006	725626	0.50000	0.46592	0.00-	0.00	0.00(a)
10.808	10.814	-0.006	383740	0.50000	0.48506	115.86-	115.86	0.00
11.230	11.235	-0.005	717174	0.50000	0.45354	136.91-	136.91	0.00
11.492	11.496	-0.004	540866	0.50000	0.46097	140.00-	140.00	0.00
11.951	11.960	-0.009	583826	0.50000	0.43949	128.33-	128.33	0.00
Average of Peak Amounts =					0.46100			

Data File: \\pitsvr06\d\chem\gc10.i\11150.b\S1100626.D
Report Date: 19-Nov-2010 11:40

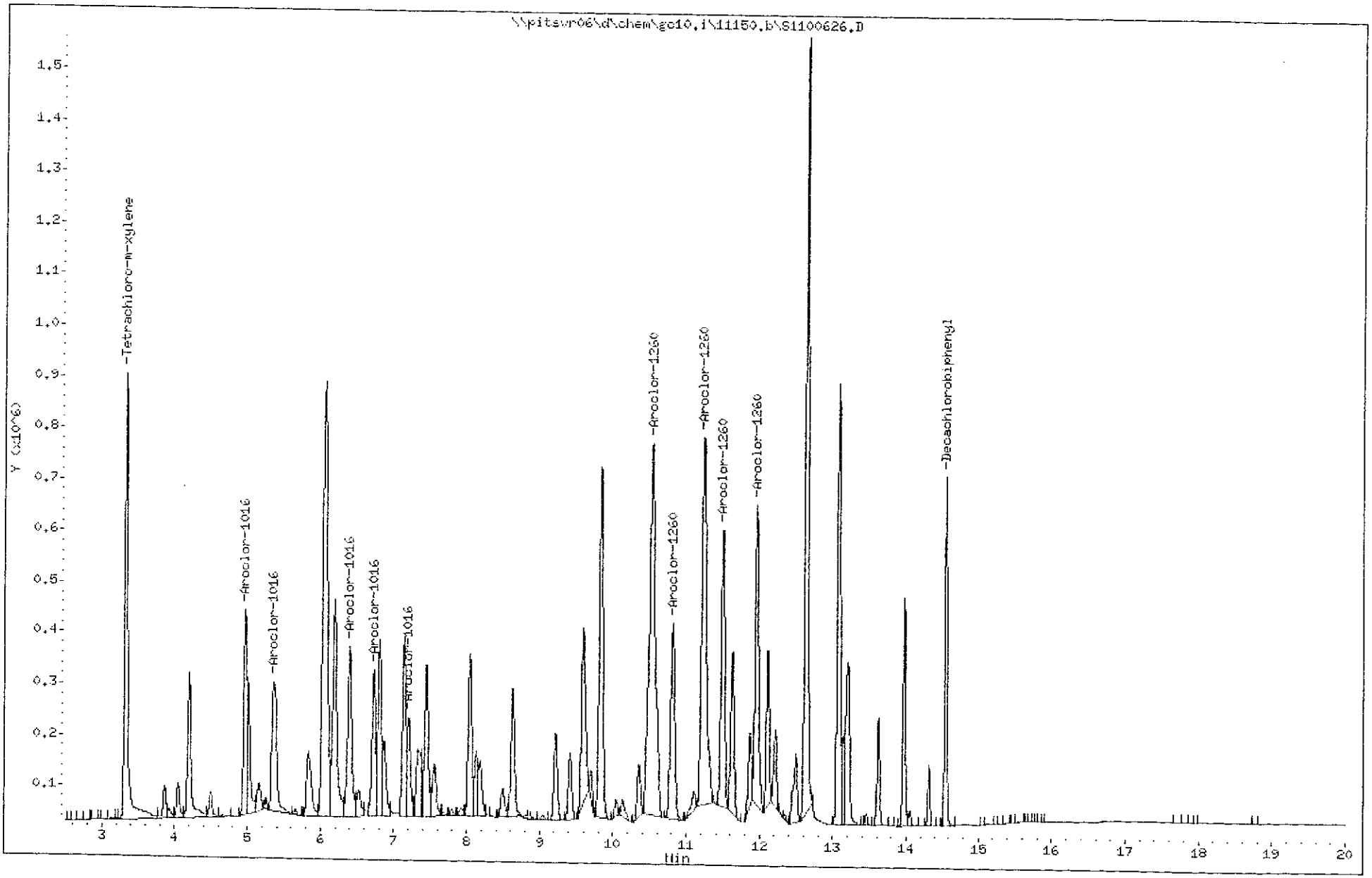
QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\pitsvr06\d\chem\gc10_i\11150_b\S1100626.D
Date : 18-NOV-2010 18:50
Client ID:
Sample Info: M1660,11150_b
Volume Injected (uL): 1.0
Column phase: MR-1

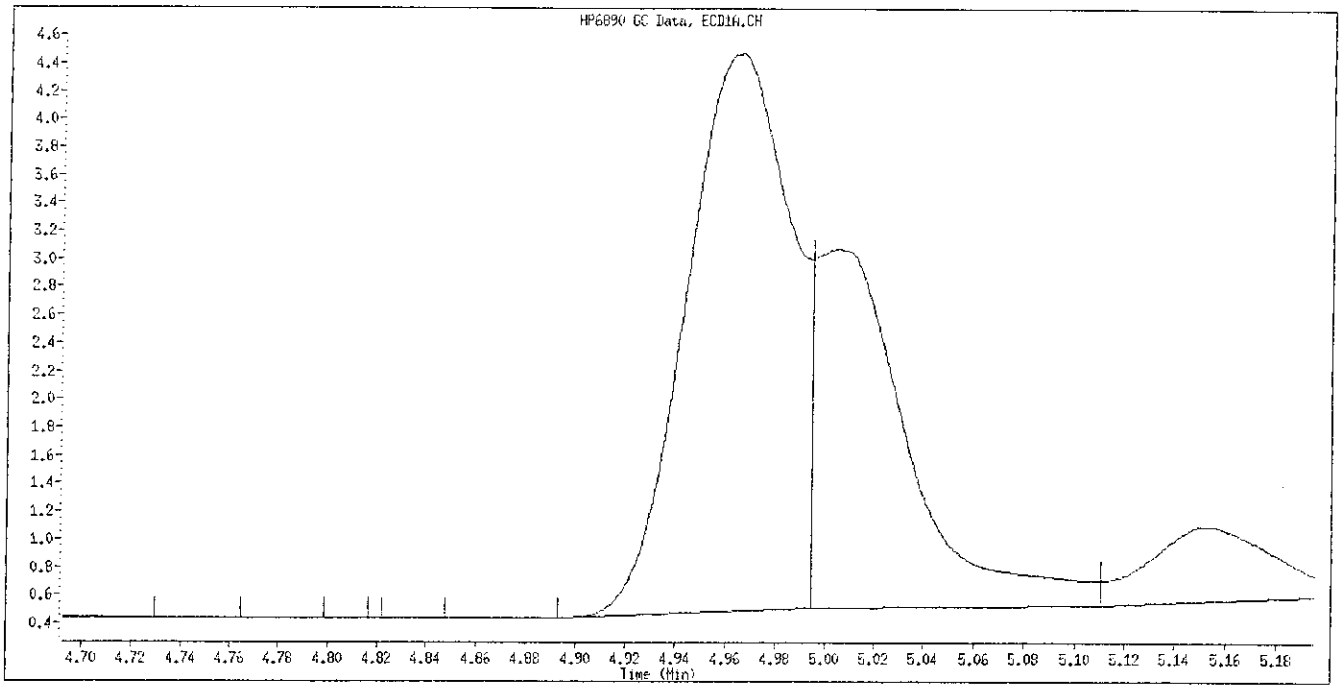
Instrument: gc10_i

Operator: 402360
Column diameter: 0.53

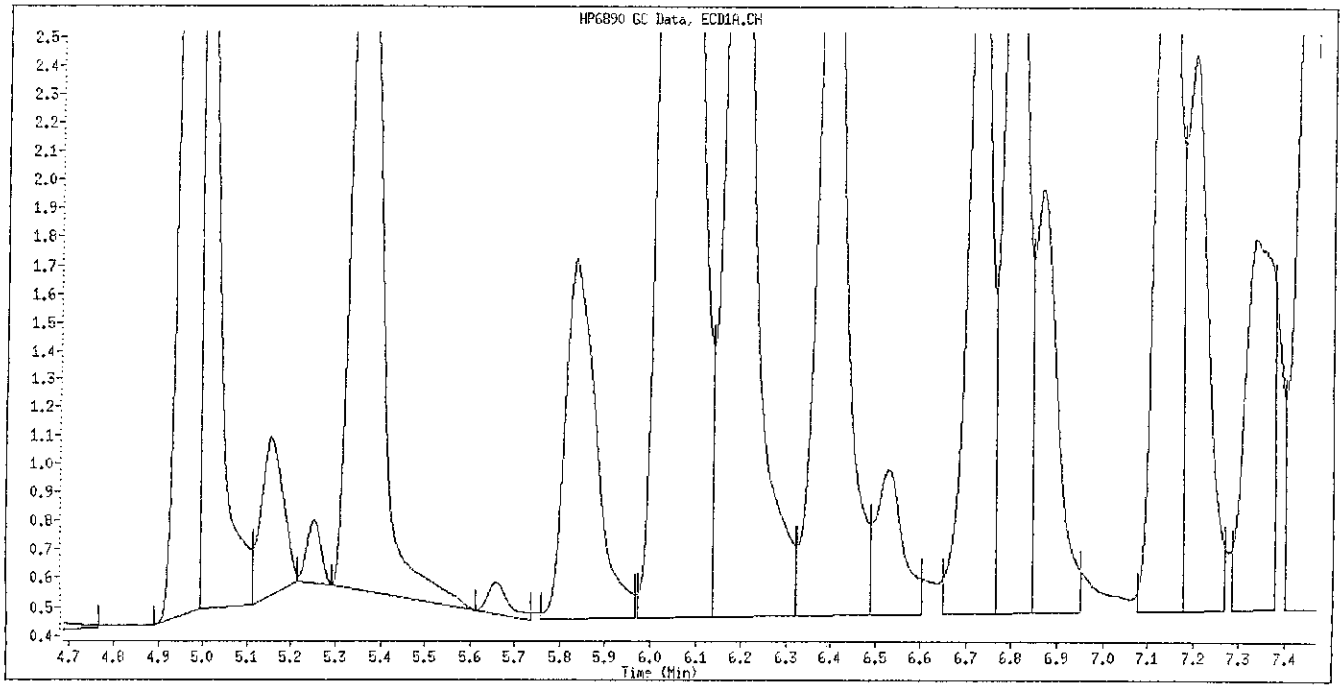


(2001 - 2150)
2118
C0K030562

Data File Name: S1100626.D
Inj. Date and Time: 18-NOV-2010 18:50
Instrument ID: gc10.i
Client ID:
Compound Name: Aroclor-1016
CAS #: 12674-11-2



Original Integration



Manual Integration

Manually Integrated By: guptaa
Manual Integration Reason: Poor Chromatography

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100749.D
Report Date: 21-Nov-2010 10:09

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc10.i\11150.b\S1100749.D
Lab Smp Id: M1660
Inj Date : 21-NOV-2010 01:39
Operator : 402331 Inst ID: gc10.i
Smp Info : M1660,11150.b
Misc Info : GC0784-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc10.i\11150.b\PCBA.m
Meth Date : 21-Nov-2010 10:09 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 43 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-113

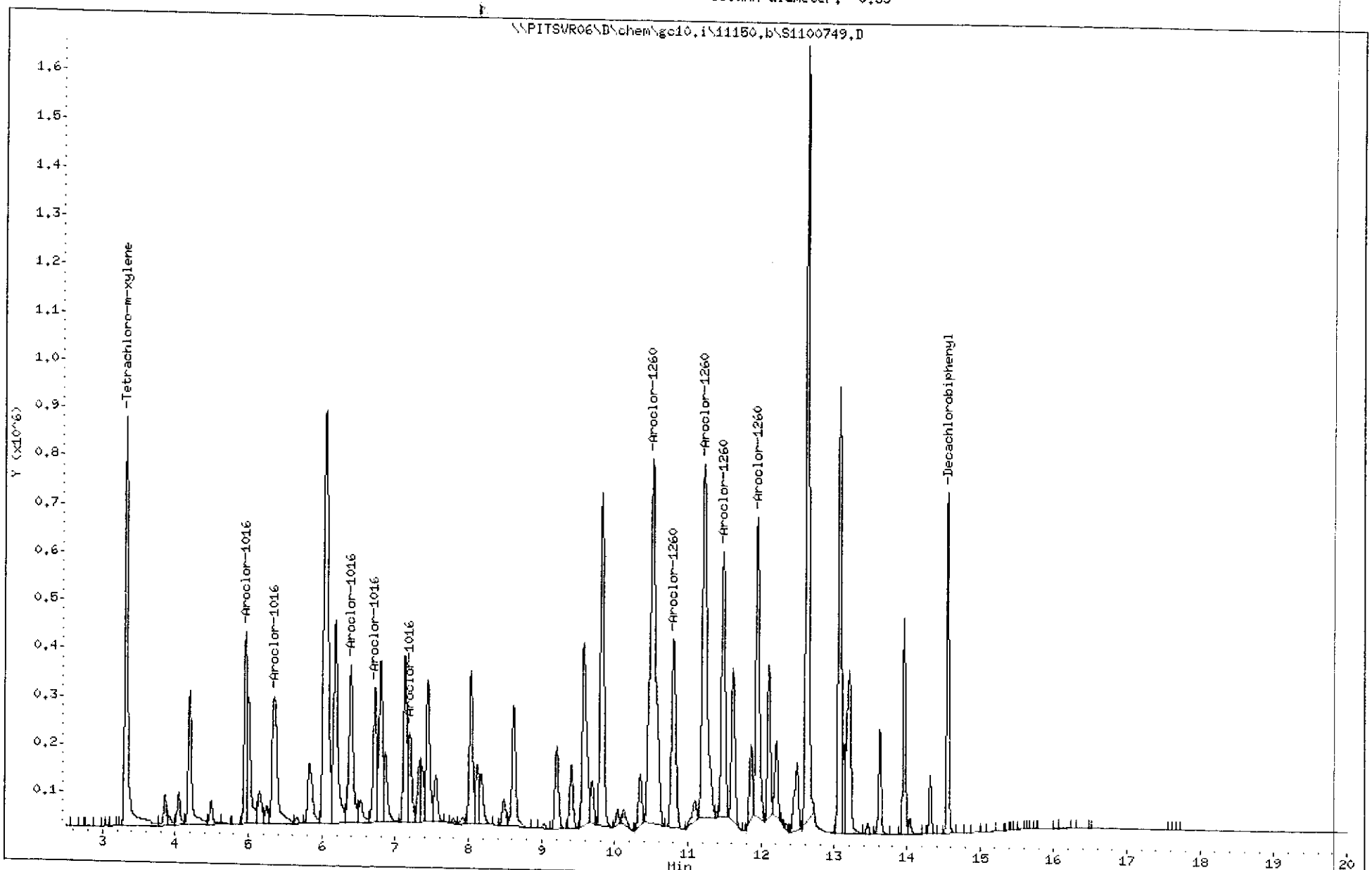
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
4 Aroclor-1016					CAS #: 12674-11-2			
4.957	4.968	-0.011	398672	0.50000	0.49754	0.00-	0.00	0.00
5.348	5.359	-0.011	265797	0.50000	0.51066	100.00-	100.00	0.00
6.393	6.403	-0.010	328476	0.50000	0.50213	223.51-	223.51	0.00
6.720	6.731	-0.011	279006	0.50000	0.50346	223.51-	223.51	0.00
7.191	7.206	-0.015	186348	0.50000	0.49790	317.56-	317.56	0.00
Average of Peak Amounts =					0.50234			
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
3.319	3.328	-0.009	850439	0.02500	0.025524			
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3			
14.552	14.562	-0.010	707799	0.02500	0.025456			
8 Aroclor-1260					CAS #: 11096-82-5			
10.520	10.530	-0.010	756937	0.50000	0.48602	0.00-	0.00	0.00
10.799	10.814	-0.015	390992	0.50000	0.49423	115.86-	115.86	0.00
11.218	11.235	-0.017	734167	0.50000	0.46428	136.91-	136.91	0.00
11.482	11.496	-0.014	551229	0.50000	0.46980	140.00-	140.00	0.00
11.943	11.960	-0.017	622466	0.50000	0.46858	128.33-	128.33	0.00
Average of Peak Amounts =					0.47658			

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100749.D
Date : 21-NOV-2010 01:39
Client ID:
Sample Info: M1660,11150,b

Instrument: gc10.i

Operator: 402331
Column diameter: 0.53

Column phase: MR-1



(2001 - 2150)

2121

C0K030562

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100770.D
Report Date: 21-Nov-2010 10:59

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc10.i\11150.b\S1100770.D
Lab Smp Id: M1660
Inj Date : 21-NOV-2010 10:32
Operator : 402331 Inst ID: gc10.i
Smp Info : M1660,11150.b
Misc Info : GC0784-10
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc10.i\11150.b\PCBA.m
Meth Date : 21-Nov-2010 10:59 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 15 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-1660.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: PITPC-113

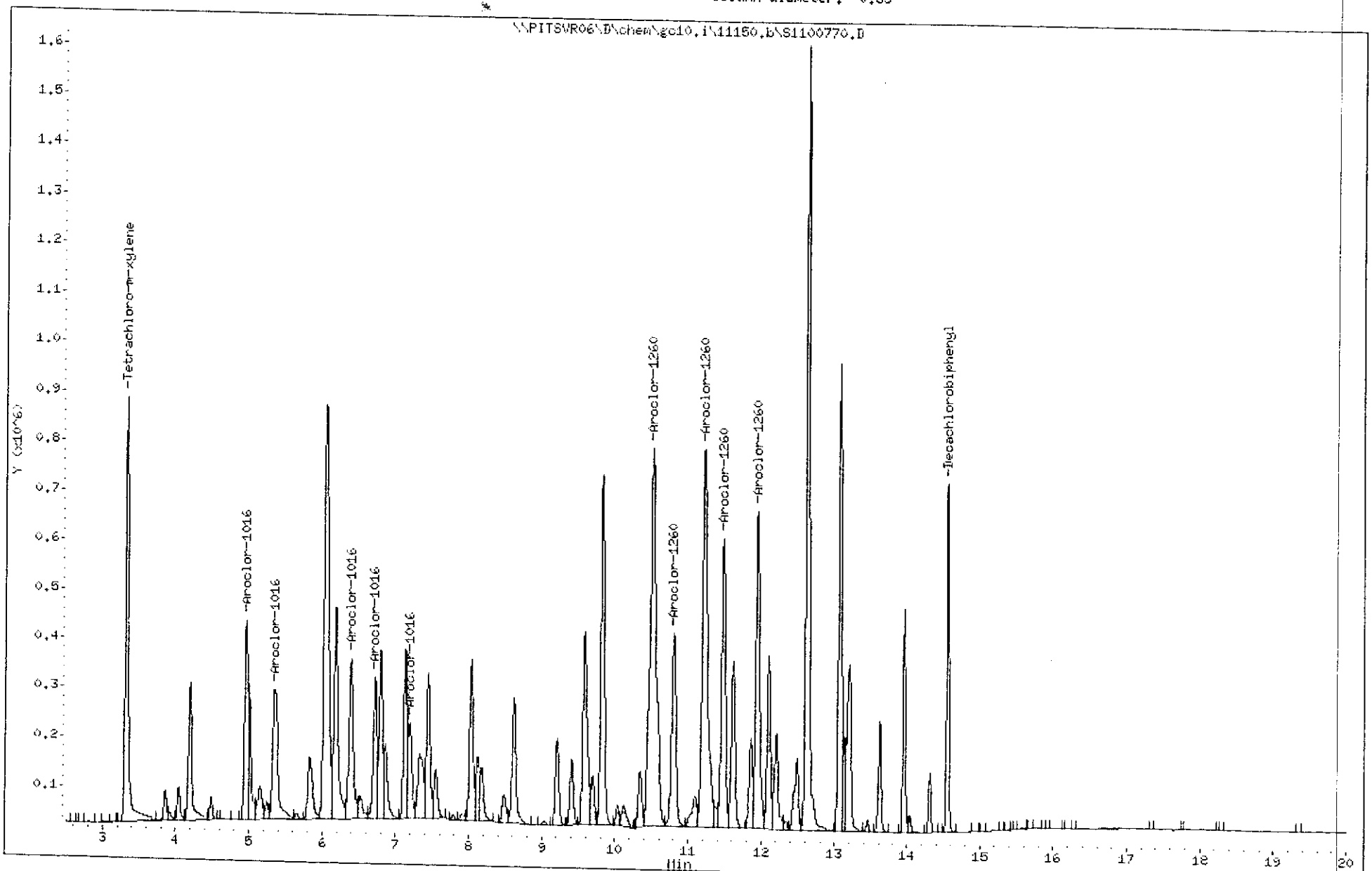
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
4 Aroclor-1016					CAS #: 12674-11-2			
4.955	4.968	-0.013	400881	0.50000	0.50030	0.00-	0.00	0.00
5.343	5.359	-0.016	259723	0.50000	0.49899	100.00-	100.00	0.00
6.392	6.403	-0.011	322611	0.50000	0.49317	223.51-	223.51	0.00
6.727	6.731	-0.014	282841	0.50000	0.51038	223.51-	223.51	0.00
7.192	7.206	-0.014	190129	0.50000	0.50800	317.56-	317.56	0.00
Average of Peak Amounts =					0.50217			
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
3.317	3.328	-0.011	857806	0.02500	0.025745			
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3			
14.551	14.562	-0.011	701113	0.02500	0.025216			
8 Aroclor-1260					CAS #: 11096-82-5			
10.517	10.530	-0.013	760750	0.50000	0.48847	0.00-	0.00	0.00
10.794	10.814	-0.020	388855	0.50000	0.49153	115.86-	115.86	0.00
11.217	11.235	-0.018	762192	0.50000	0.48200	136.91-	136.91	0.00
11.480	11.496	-0.016	582500	0.50000	0.49646	140.00-	140.00	0.00
11.942	11.960	-0.018	638424	0.50000	0.48059	128.33-	128.33	0.00
Average of Peak Amounts =					0.48781			

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100770.D
Date : 21-NOV-2010 10:32
Client ID:
Sample Info: M1660,11150,b

Instrument: gc10.i

Operator: 402331
Column diameter: 0.53

Column phase: MR-1



(2001 - 2150)

2123

C0K030562

PCB
QC DATA

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: C0K030562	**Work Order #...:** L9HXF1AA	**Matrix.....:** SOLID
MB Lot-Sample #: C0K040000-058		
	Prep Date.....: 11/04/10	**Analysis Time..:** 09:42
Analysis Date..: 11/21/10	**Prep Batch #...:** 0308058	**Final Wgt/Vol..:** 10 mL
Dilution Factor: 1	**Initial Wgt/Vol:** 15 g	**Instrument ID..:** S/T
	Analyst ID.....: 402331	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	17	ug/kg	SW846 8082
Aroclor 1221	ND	17	ug/kg	SW846 8082
Aroclor 1232	ND	17	ug/kg	SW846 8082
Aroclor 1242	ND	17	ug/kg	SW846 8082
Aroclor 1248	ND	17	ug/kg	SW846 8082
Aroclor 1254	ND	17	ug/kg	SW846 8082
Aroclor 1260	ND	17	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	103	(35 - 140)
Decachlorobiphenyl	86	(35 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100768.D
Report Date: 21-Nov-2010 10:58

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc10.i\11150.b\S1100768.D
Lab Smp Id: L9HXF1AA Client Smp ID: PBLK8058
Inj Date : 21-NOV-2010 09:42
Operator : 402331 Inst ID: gc10.i
Smp Info : L9HXF1AA,11150.b
Misc Info : C0K030562-BLK
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc10.i\11150.b\PCBA.m
Meth Date : 21-Nov-2010 10:09 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 13 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PCB.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.000	initial volume of sample
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene						CAS #: 877-09-8	
3.317	3.328	-0.011	687812	0.02064	13.762		
1 Aroclor-1221						CAS #: 11104-28-2	
Peaks not detected for Quant. or Qual. signal(s).							
4 Aroclor-1016						CAS #: 12674-11-2	
Peaks not detected for Quant. or Qual. signal(s).							
3 Aroclor-1232						CAS #: 11141-16-5	
Peaks not detected for Quant. or Qual. signal(s).							

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100768.D
Report Date: 21-Nov-2010 10:58

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RA %C
====	========	========	========	=======	=======	==========	=====

5 Aroclor-1242 CAS #: 53469-21-9

Peaks not detected for Quant. or Qual. signal(s).

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6 Aroclor-1248 CAS #: 12672-29-6

Peaks not detected for Quant. or Qual. signal(s).

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7 Aroclor-1254 CAS #: 11097-69-1

Peaks not detected for Quant. or Qual. signal(s).

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8 Aroclor-1260 CAS #: 11096-82-5

Peaks not detected for Quant. or Qual. signal(s).

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9 Aroclor-1262 CAS #: 37324-23-5

Peaks not detected for Quant. or Qual. signal(s).

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10 Aroclor-1268 CAS #: 11100-14-4

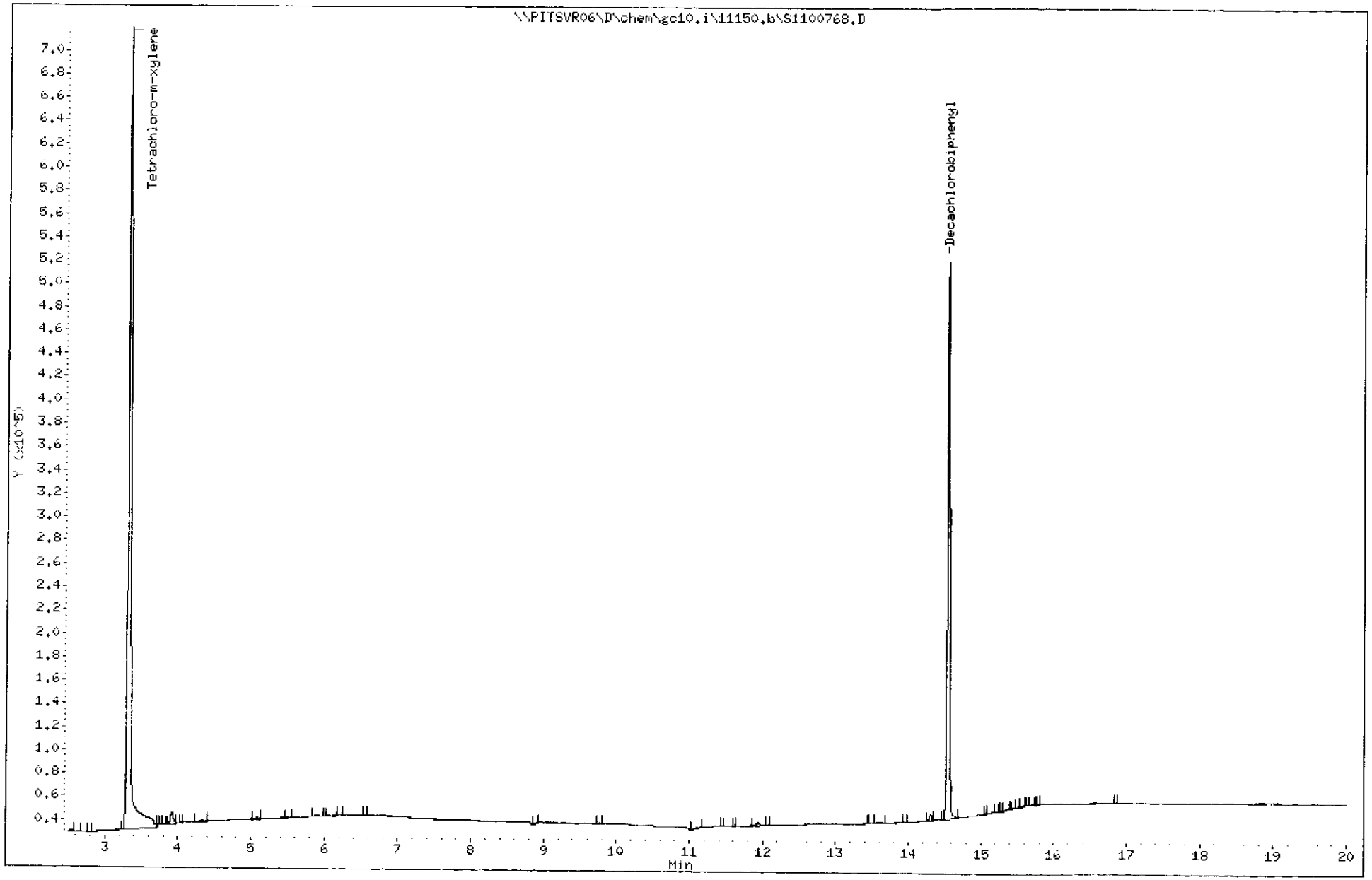
Peaks not detected for Quant. or Qual. signal(s).

$ 11 Decachlorobiphenyl CAS #: 2051-24-3

14.551 14.562 -0.011 476185 0.01713 11.417

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100768.D
Date : 21-NOV-2010 09:42
Client ID: PBLK8058
Sample Info: L9HXF1AA,11150.b
Volume Injected (uL): 1.0
Column phase: MR-1

Instrument: gc10.i
Operator: 402331
Column diameter: 0.53



Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100769.D
Report Date: 21-Nov-2010 10:58

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc10.i\11150.b\S1100769.D
Lab Smp Id: L9HXF1AC Client Smp ID: LCS8058
Inj Date : 21-NOV-2010 10:07
Operator : 402331 Inst ID: gc10.i
Smp Info : L9HXF1AC,11150.b
Misc Info : C0K030562-LCS
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc10.i\11150.b\PCBA.m
Meth Date : 21-Nov-2010 10:09 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 14 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1-1660.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-113

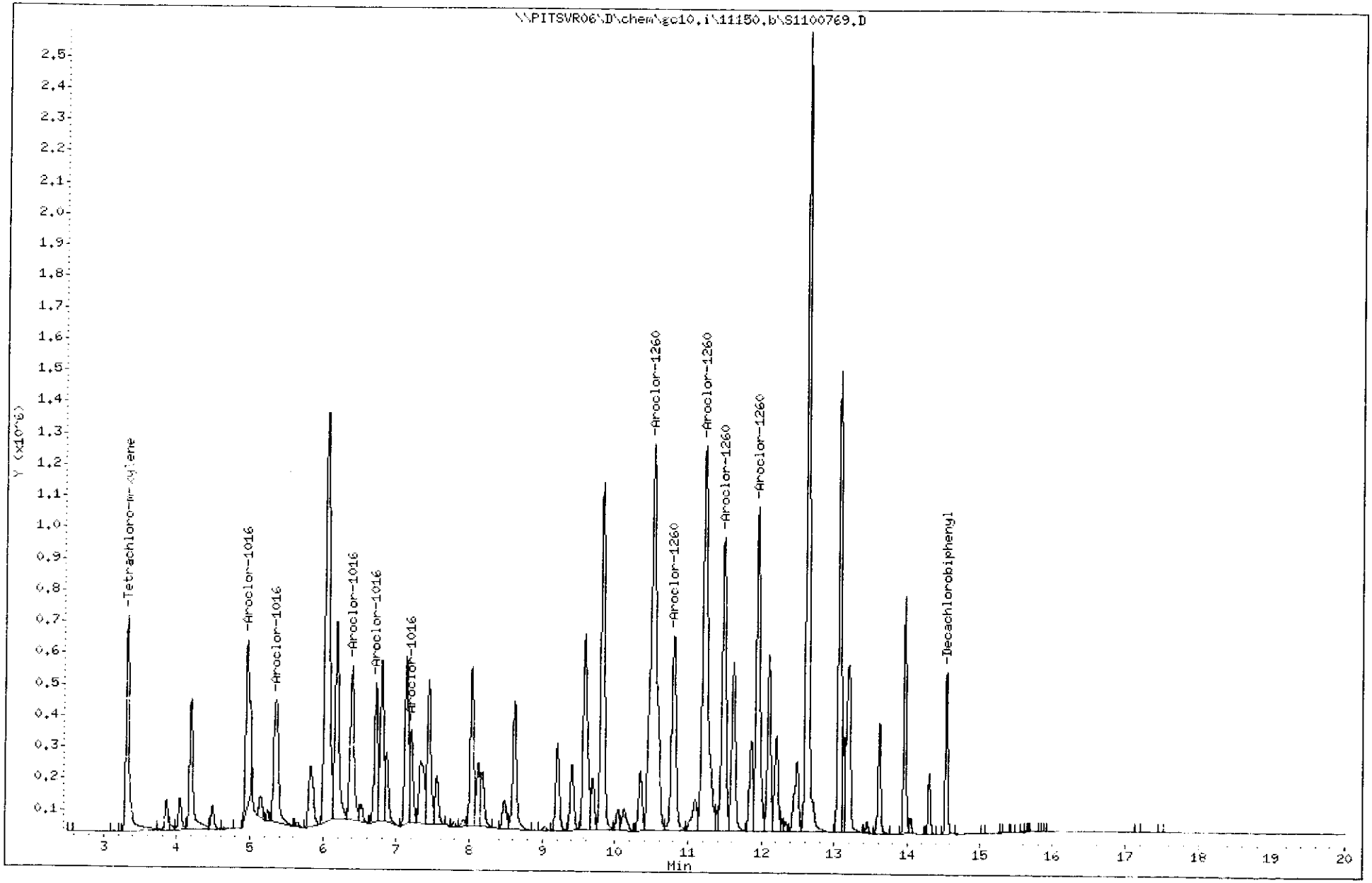
Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.000	initial volume of sample
Cpnd Variable		Local Compound Variable

			CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
4.955	4.968	-0.013	545941	0.68123	454.22	0.00- 0.00	0.00
5.348	5.359	-0.011	393716	0.75643	504.28	100.00- 100.00	0.00
6.392	6.403	-0.011	491535	0.75140	500.93	223.51- 223.51	0.00
6.737	6.751	-0.014	441416	0.79652	531.01	223.51- 223.51	0.00
7.191	7.206	-0.015	297299	0.79435	529.57	317.56- 317.56	0.00
Average of Peak Concentrations =					504.00		
[illegible]					CAS #: [illegible]		
[illegible]	[illegible]	-0.013	687135	0.02082	13.749		
11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.550	14.562	-0.012	513532	0.01847	12.313		
[illegible]					CAS #: 11096-82-5		
[illegible]	[illegible]	-0.015	1230385	0.79002	526.68	0.00- 0.00	0.00
10.804	10.819	-0.014	621001	0.78497	523.32	115.86- 115.86	0.00
11.213	11.230	-0.017	1228275	0.77675	517.84	136.91- 136.91	0.00
11.476	11.496	-0.020	933649	0.79573	530.49	140.00- 140.00	0.00
11.943	11.960	-0.017	1035021	0.77914	519.42	128.33- 128.33	0.00
Average of Peak Concentrations =					523.55		

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100769.D
Date : 21-NOV-2010 10:07
Client ID: LCS8068
Sample Info: L9HXF1AC,11150,b
Volume Injected (uL): 1.0
Column phase: MR-1

Instrument: gc10.i
Operator: 402331
Column diameter: 0.53



(2001 - 2150)

2130

C0K030562

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...:	C0K030562	**Work Order #...:**	L9HXF1AC	**Matrix.....:**	SOLID
LCS Lot-Sample#:	C0K040000-058				
Prep Date.....:	11/04/10	**Analysis Date..:**	11/21/10		
Prep Batch #...:	0308058	**Analysis Time..:**	10:07		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	10 mL
Analyst ID.....:	402331	**Instrument ID..:**	S/T		

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**76**	**(55 - 130)**	**SW846 8082**
Aroclor 1260	**79**	**(54 - 130)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	103	(35 - 140)
Decachlorobiphenyl	92	(35 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...:	C0K030562	**Work Order #...:**	L9HH61A7-MS	**Matrix.....:**	SOLID
MS Lot-Sample #:	C0K030562-002		L9HH61A8-MSD		
Date Sampled...:	10/20/10	**Date Received..:**	11/03/10	**MS Run #.....:**	0308033
Prep Date.....:	11/04/10	**Analysis Date..:**	11/21/10		
Prep Batch #...:	0308058	**Analysis Time..:**	06:19		
Dilution Factor:	4.97	**Initial Wgt/Vol:**	15.1 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	78	**Analyst ID.....:**	402331	**Instrument ID..:**	S/T

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**NC,DIL**	**(55 - 130)**			**SW846 8082**
	NC,DIL	**(55 - 130)**		**(0-35)**	**SW846 8082**
Aroclor 1260	**NC,DIL**	**(54 - 130)**			**SW846 8082**
	NC,DIL	**(54 - 130)**		**(0-29)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(35 - 140)
	NC,DIL	(35 - 140)
Decachlorobiphenyl	NC,DIL	(35 - 140)
	NC,DIL	(35 - 140)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100760.D
Report Date: 21-Nov-2010 10:58

TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc10.i\11150.b\S1100760.D
Lab Smp Id: L9HH61A7 Client Smp ID: 20100837 SD10-01MS
Inj Date : 21-NOV-2010 06:19
Operator : 402331 Inst ID: gc10.i
Smp Info : L9HH61A7,11150.b
Misc Info : C0K030562-002 MS 10X
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc10.i\11150.b\PCBA.m
Meth Date : 21-Nov-2010 10:09 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 3 QC Sample: MS
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: 1-1660.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.100	initial volume of sample
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ug/Kg)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
4.955	4.968	-0.013	218712	0.27295	1807.6	0.00- 0.00	0.00(R)
5.348	5.359	-0.011	58332	0.11207	742.19	100.00- 100.00	0.00
6.393	6.403	-0.010	71562	0.10939	724.47	223.51- 223.51	0.00
6.718	6.731	0.013	75519	0.13627	902.46	223.51- 223.51	0.00
7.194	7.206	-0.012	42893	0.11461	758.98	317.56- 317.56	0.00
		Average of Peak Concentrations =			987.14		
2 Tetrachloro-m-xylene					CAS #: 877-09-8		
3.316	3.328	-0.010	99326	0.00298	19.747		(R)
$ 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.550	14.562	-0.012	77625	0.00279	18.489		
8 Aroclor-1260					CAS #: 11096-82-5		
10.717	10.730	-0.013	197951	0.12713	841.74	0.00- 0.00	0.00
10.790	10.814	-0.018	90102	0.11389	754.26	115.86- 115.86	0.00
11.219	11.235	-0.019	202416	0.12801	847.72	136.91- 136.91	0.00
11.481	11.496	-0.015	130132	0.11091	734.50	140.00- 140.00	0.00
11.940	11.960	-0.020	155014	0.11669	772.78	128.33- 128.33	0.00
		Average of Peak Concentrations =			790.20		

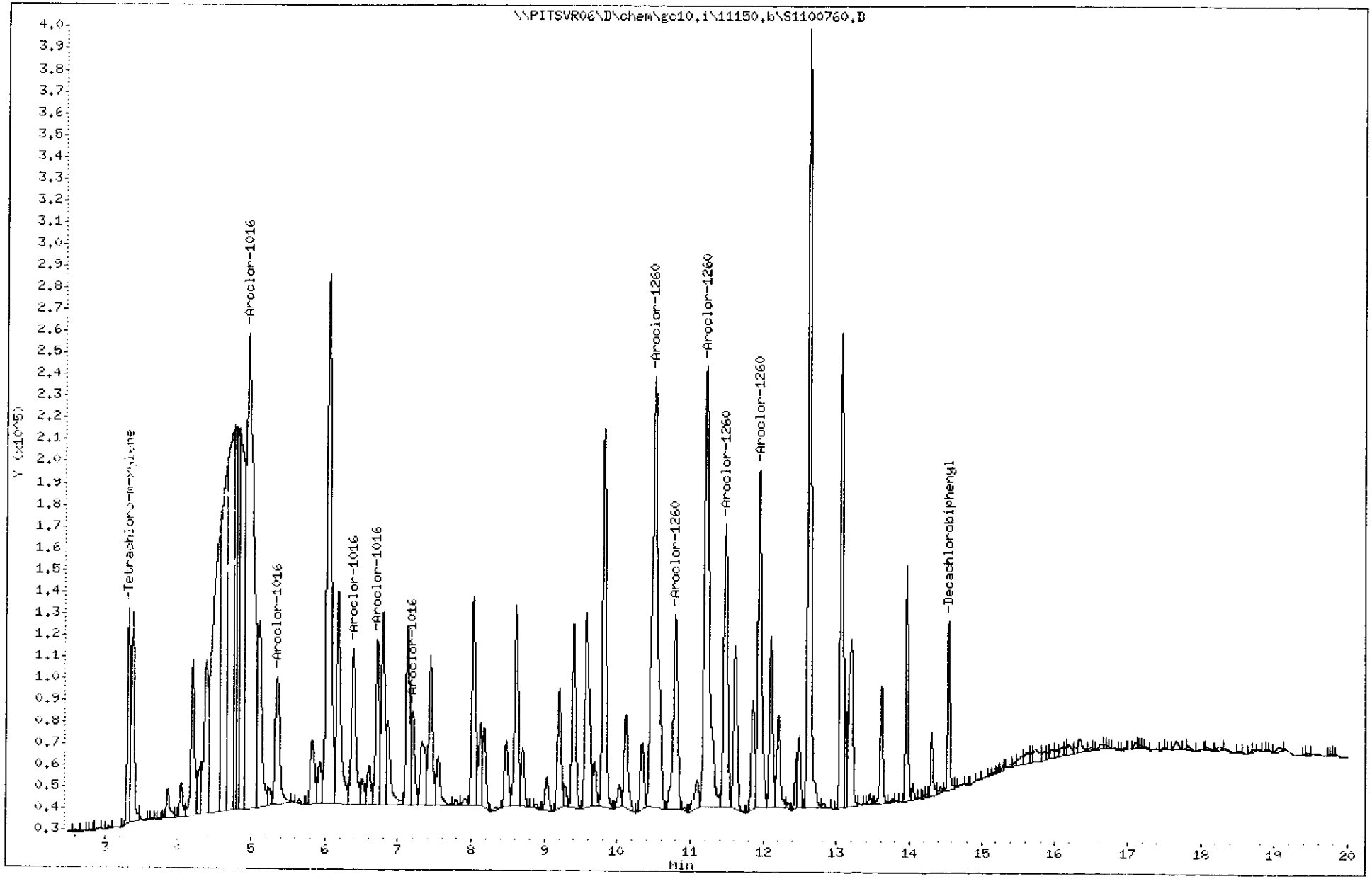
Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100760.D
Report Date: 21-Nov-2010 10:58

QC Flag Legend

R - Spike/Surrogate failed recovery limits

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100760.D
Date : 21-NOV-2010 06:19
Client ID: 20100837 SD10-01MS
Sample Info: L9HH61A7,11150,b
Volume Injected (uL): 1.0
Column phase: MR-1

Instrument: gc10.i
Operator: 402331
Column diameter: 0.53



(2001 - 2150)

2135

C0K030562

Data File: \\PITSVR06\D\chem\gc10.i\11150.b\S1100761.D
Report Date: 21-Nov-2010 10:58

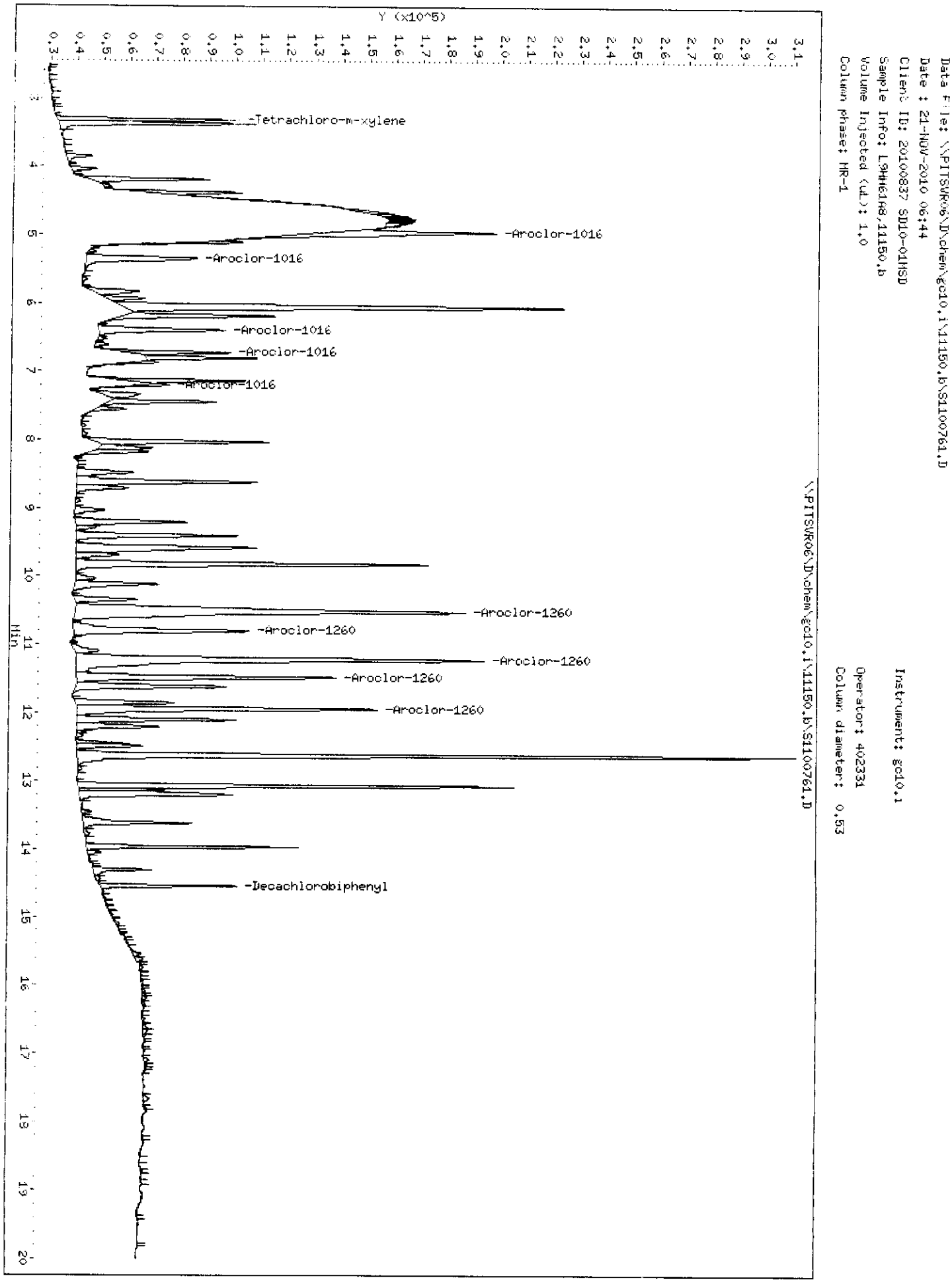
TestAmerica Pittsburgh

Data file : \\PITSVR06\D\chem\gc10.i\11150.b\S1100761.D
Lab Smp Id: L9HH61A8 Client Smp ID: 20100837 SD10-01MSD
Inj Date : 21-NOV-2010 06:44
Operator : 402331 Inst ID: gc10.i
Smp Info : L9HH61A8,11150.b
Misc Info : C0K030562-002 MSD 10X
Comment : 8082 PCB ANALYSIS
Method : \\PITSVR06\D\chem\gc10.i\11150.b\PCBA.m
Meth Date : 21-Nov-2010 10:09 gc10.i Quant Type: ESTD
Cal Date : 15-NOV-2010 22:03 Cal File: S1100516.D
Als bottle: 6 QC Sample: MSD
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: 1-1660.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: PITPC-113

Concentration Formula: Amt * DF * (Vt/Vi)/Ws * CpndVariable

Name	Value	Description
DF	10.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	15.200	initial volume of sample
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
4 Aroclor-1016					CAS #: 12674-11-2		
4.953	4.968	-0.015	62901	0.07850	516.45	0.00- 0.00	0.00
5.342	5.359	-0.017	42122	0.08093	532.41	100.00- 100.00	0.00
6.393	6.403	-0.010	47424	0.07250	476.94	223.51- 223.51	0.00
6.718	6.731	-0.013	39069	0.07050	463.81	223.51- 223.51	0.00
7.196	7.206	-0.010	12081	0.03228	212.36	317.56- 317.56	0.00
	Average of Peak Concentrations =				440.40		
S 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
5.317	5.328	-0.011	68388	0.00205	13.504		
S 11 Decachlorobiphenyl					CAS #: 2051-24-3		
14.552	14.562	-0.010	51369	0.00185	12.154		
3 Aroclor-1260					CAS #: 11096-82-5		
10.515	10.530	-0.015	146732	0.09422	619.84	0.00- 0.00	0.00
10.795	10.814	-0.019	66305	0.08381	551.40	115.86- 115.86	0.00
11.219	11.235	-0.016	153214	0.09689	637.44	136.91- 136.91	0.00
11.476	11.496	-0.020	97463	0.08307	546.49	140.00- 140.00	0.00
11.944	11.960	-0.016	113096	0.08514	560.10	128.33- 128.33	0.00
	Average of Peak Concentrations =				583.05		


Data File: \\PITSVR06\D\chem\gc10,i\11150,b\S1100761.D
Date : 21-NOV-2010 06:44
Client ID: 20100837 SDG-01HSD
Sample Info: L9HH61A8,11150,b
Volume Injected (ul): 1.0
Column phase: HR-1
Instrument: gc10,i
Operator: 402331
Column diameter: 0.53
\\PITSVR06\D\chem\gc10,i\11150,b\S1100761.D
Y (x10^5)
Min
-Tetrachloro-m-xylene
-Aroclor-1016
-Aroclor-1016
-Aroclor-1016
-Aroclor-1016
-Aroclor-1016
-Aroclor-1260
-Aroclor-1260
-Aroclor-1260
-Aroclor-1260
-Aroclor-1260
-Decachlorobiphenyl

PCB
MISCELLANEOUS

11/22

BAKER

Soxtherm Extraction Worksheet

BA 0308058

Hexane

TestAmerica Pittsburgh

Logbook ID: OP3679 OP0198-10

Start Date\Time	Date Completed	Parameter	Method	Solvent	Solvent Lot	Solvent Mfg	GPC Number
11-4-10 \ 04:30	11-4-10	PCB (8082)	Soxtherm	Hexane/Acetone	OP0210-10	BAKER	NA

	Lot Number	Sample ID	Sample Weight (g)	Final Volume (mL)	Surrogate #	Surr Vol (mL)	Matrix Spike Lot #	MS Vol (mL)	GPC Date
1.	COK030562	BLK	15.0	10.0	GC0480-10	250ul	NA	NA	NA
2.		LCS	15.0				GC069310	250ul	
3.		MS-002	15.1						
4.		MSD-002	15.2				NA	NA	
5.		001	15.6						
6.		002	15.2						
7.		003	15.1						
8.		004	15.0						
9.		005	15.4						
10.		006	15.0						
11.		007	15.0						
12.		008	15.3						
13.									
14.									
15.									
16.									
17.									
18.									
19.									
20.									
21.									
22.									
23.									
24.									
Analyst:	JM	JM	JM	JM	JM	JM	JM	JM	JM

11-4-10

JM

Extract(s) (record line # from above)	Date	Time	Extract(s) Received	Analyst	Location	Date	Time	Extract(s) Relinquished	Analyst	Location
All Above	11-4-10	16:40			ARCHIVES	11-4-10	10:50			RE04-GC
all above	11-8-10	1115	E Shirey			11-8-10	1115	E Shirey		RE04-GC

Start Temp: End Temp: (+/- 5%)

Sodium Sulfate Mfg/Lot Number: BAKER/OP0211-10

Magnesium Sulfate Mfg/Lot Number: BAKER/080208-10 N2 Blow Down Temp: 32°C

Comments:

Reviewed by: Brian A. Price Date: 11-4-10

Balance ID: 1120122641

Cleanups NA TBA: NA H2SO4: NA Carboprep: NA

printed on: 30-Aug-10 7:52:58 AM

v2.06/16/2005

COK030562 2139 (2001 - 2150)

Sequence: D:\HPCHEM\1\SEQUENCE\S111501.PDF

Sequence Table (Front Injector):

Sample Information Part:

S111501.PDF
Acq 11-15-2010
HP6890 GC-10
MR-1

EPA 608 :- AR.1242

mrk 11.17-10

Line	Location	Sample Information		
1	Vial 1	RINSE		
S1100500 2	Vial 2	GC0968-10	0.01 UG/ML	
3	Vial 3	GC0968-10	0.1 UG/ML	
4	Vial 4	GC0968-10	0.25 UG/ML	
5	Vial 5	GC0961-10	0.5 UG/ML	
6	Vial 6	GC0968-10	1.0 UG/ML	
S05 7	Vial 7	GC0966-10	0.25 UG/ML	
8	Vial 8	GC0967-10		
9	Vial 9	GC0969-10		
10	Vial 10	GC0970-10		
11	Vial 11	GC0971-10		
S10 12	Vial 12	GC0782-10		
13	Vial 13	GC0783-10		
14	Vial 14	GC0784-10		
15	Vial 15	GC0785-10		
16	Vial 16	GC0786-10		
S15 17	Vial 17	GC0787-10		
18	Vial 18	GC0788-10		
19	Vial 19	GC0861-10		
20	Vial 20	GC0862-10		
21	Vial 21	GC0863-10		
S20 22	Vial 22	GC0865-10		
23	Vial 23	GC0866-10		
24	Vial 24	GC0868-10		
S23 25	Vial 25	GC0869-10		
26	Vial 26	C0K020407-014		
27	Vial 27	C0K020407-015		
28	Vial 28	C0J010558-001	10x	
29	Vial 29	C0J010558-002	10x	
S28 30	Vial 30	C0J010558-002	10x	ms

529	31	Vial 31	C0J010558-002	10x	msd
	32	Vial 32	C0J010558-003	10x	
	33	Vial 33	C0J010558-004	10x	
	34	Vial 34	C0J010558-005	10x	
	35	Vial 35	C0J010558-006	10x	
	36	Vial 36	C0J010558-007	10x	
535	37	Vial 37	C0J010558-008	10x	
	38	Vial 38	C0J010558-009	10x	
	39	Vial 39	RINSE		
	40	Vial 40	C0J010558-BLK		
	41	Vial 41	C0J010558-LCS		
540	42	Vial 42	GC0786-10		
	43	Vial 43	C0J010559-001	10x	
	44	Vial 44	C0J010559-002	10x	
	45	Vial 45	C0J010559-002	10x	ms
	46	Vial 46	C0J010559-002	10x	msd
	47	Vial 47	C0J010559-003	10x	
	48	Vial 48	C0J010559-004	10x	
	49	Vial 49	C0J010559-005	10x	
	50	Vial 50	C0J010559-006	10x	
	51	Vial 51	C0J010559-007	10x	
	52	Vial 52	C0J010559-008	10x	
	53	Vial 53	C0J010559-009	10x	
	54	Vial 54	C0K100571-001		
	55	Vial 55	C0K100571-BLK		
	56	Vial 56	C0K100571-LCS		
	57	Vial 57	C0K100571-LCSD		
556	58	Vial 58	~~C0J280576-001~~ GC-0785-10		AQ 11/17/10
	59	Vial 59	C0J300439-C01		
	60	Vial 60	C0J300439-C02		
	61	Vial 61	C0J300439-003		
	62	Vial 62	C0J300439-C04		
	63	Vial 63	C0J300439-C05		
562	64	Vial 64	C0J300439-C06		

Sequence: E:\HPCHEM\1\SEQUENCE\S11150.S

Line	Location	Sample Information
563 65	Vial 65	C0J300439-007
66	Vial 66	C0J280576-001
67	Vial 67	C0J280576-002
68	Vial 68	C0J300439-LCS
69	Vial 69	C0J300439-LCS
70	Vial 70	C0J300439-LCSD
569 71	Vial 71	GC0786-10
72	Vial 1	RINSE

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	HEXANE	PCB1	2	Sample		
2	Vial 2	M1242,11150.b	PCB1	1	Sample		
3	Vial 3	M1242,11150.b	PCB1	1	Sample		
4	Vial 4	M1242,11150.b	PCB1	1	Sample		
5	Vial 5	M1242,11150.b	PCB1	1	Sample		
6	Vial 6	M1242,11150.b	PCB1	1	Sample		
7	Vial 7	M2154,11150.b	PCB1	1	Sample		
8	Vial 8	M1232,11150.b	PCB1	1	Sample		
9	Vial 9	M1248,11150.b	PCB1	1	Sample		
10	Vial 10	M1262,11150.b	PCB1	1	Sample		
11	Vial 11	M1268,11150.b	PCB1	1	Sample		
12	Vial 12	XL1660,11150.b	PCB1	1	Sample		
13	Vial 13	L1660,11150.b	PCB1	1	Sample		
14	Vial 14	ML1660,11150.b	PCB1	1	Sample		
15	Vial 15	M1660,11150.b	PCB1	1	Sample		
16	Vial 16	MH1660,11150.b	PCB1	1	Sample		
17	Vial 17	H1660,111540.b	PCB1	1	Sample		
18	Vial 18	XH1660,11150.b	PCB1	1	Sample		
19	Vial 19	2M2154,11150.b	PCB1	1	Sample		
20	Vial 20	2M1232,11150.b	PCB1	1	Sample		
21	Vial 21	2M1242,11150.b	PCB1	1	Sample		
22	Vial 22	2M1248,11150.b	PCB1	1	Sample		
23	Vial 23	2M1262,11150.b	PCB1	1	Sample		
24	Vial 24	2M1268,11150.b	PCB1	1	Sample		
25	Vial 25	2M1660,11150.b	PCB1	1	Sample		
26	Vial 26	L9EN01AF,11150.b	PCB1	1	Sample		
27	Vial 27	L9EN11AF,11150.b	PCB1	1	Sample		
28	Vial 28	L7VP31A2,11150.b	PCB1	1	Sample		
29	Vial 29	L7VQF1A2,11150.b	PCB1	1	Sample		
30	Vial 30	L7VQF1CA,11150.b	PCB1	1	Sample		
31	Vial 31	L7VQF1CC,11150.b	PCB1	1	Sample		
32	Vial 32	L7VQJ1A2,11150.b	PCB1	1	Sample		
33	Vial 33	L7VQN1A2,11150.b	PCB1	1	Sample		
34	Vial 34	L7VQP1A2,11150.b	PCB1	1	Sample		
35	Vial 35	L7VQV1A2,11150.b	PCB1	1	Sample		
36	Vial 36	L7VQW1A2,11150.b	PCB1	1	Sample		
37	Vial 37	L7VQX1A2,11150.b	PCB1	1	Sample		
38	Vial 38	L74DD1AD,11150.b	PCB1	1	Sample		
39	Vial 39	HEXANE	PCB1	1	Sample		
40	Vial 40	L890H1AA,11150.b	PCB1	1	Sample		
41	Vial 41	L890H1AC,11150.b	PCB1	1	Sample		
42	Vial 42	MH1660,11150.b	PCB1	1	Sample		
43	Vial 43	L7VQ51A2,11150.b	PCB1	1	Sample		

Sequence: E:\HPCHEM\1\SEQUENCE\111130.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
44	Vial 44	L7VQ71A2,11150.b	PCB1	1	Sample		
45	Vial 45	L7VQ71CA,11150.b	PCB1	1	Sample		
46	Vial 46	L7VQ71CC,11150.b	PCB1	1	Sample		
47	Vial 47	L7VQ91A2,11150.b	PCB1	1	Sample		
48	Vial 48	L7VRD1A2,11150.b	PCB1	1	Sample		
49	Vial 49	L7VRG1A2,11150.b	PCB1	1	Sample		
50	Vial 50	L7VRL1A2,11150.b	PCB1	1	Sample		
51	Vial 51	L7VRP1A2,11150.b	PCB1	1	Sample		
52	Vial 52	L7VRT1A2,11150.b	PCB1	1	Sample		
53	Vial 53	L74DF1AD,11150.b	PCB1	1	Sample		
54	Vial 54	L9T4N1AA,11150.b	PCB1	1	Sample		
55	Vial 55	L9VK31AA,11150.b	PCB1	1	Sample		
56	Vial 56	L9VK31AC,11150.b	PCB1	1	Sample		
57	Vial 57	L9VK31AD,11150.b	PCB1	1	Sample		
58	Vial 58	M1660,11150.b	PCB1	1	Sample		
59	Vial 59	L9C1F1AD,11150.b	PCB1	1	Sample		
60	Vial 60	L9C1H1AM,11150.b	PCB1	1	Sample		
61	Vial 61	L9C1J1AM,11150.b	PCB1	1	Sample		
62	Vial 62	L9C1K1AM,11150.b	PCB1	1	Sample		
63	Vial 63	L9C1L1AM,11150.b	PCB1	1	Sample		
64	Vial 64	L9C1M1AM,11150.b	PCB1	1	Sample		
65	Vial 65	L9C1N1AM,11150.b	PCB1	1	Sample		
66	Vial 66	L89F21AD,11150.b	PCB1	1	Sample		
67	Vial 67	L89F61AM,11150.b	PCB1	1	Sample		
68	Vial 68	L9F2N1AA,11150.b	PCB1	1	Sample		
69	Vial 69	L9F2N1AC,11150.b	PCB1	1	Sample		
70	Vial 70	L9F2N1AD,11150.b	PCB1	1	Sample		
71	Vial 71	MH1660,11150.b	PCB1	1	Sample		
72	Vial 1	HEXANE	PCB1	10	Sample		

Sequence Table (Back Injector):

No entries - empty table!

Sequence Table (Front Injector):

Sample Information Part:

S11150.PDF
ACe 11-18-2010
HP6890 GC-10
MR-1

Line	Location	Sample Information	
1	Vial 1	RINSE	
S1100620 2	Vial 2	GC0966-10	
3	Vial 3	GC0967-10	
4	Vial 4	GC0968-10	
5	Vial 5	GC0969-10	
6	Vial 6	GC0970-10	
7	Vial 7	GC0971-10	
626 8	Vial 8	GC0785-10	
9	Vial 9	C0K130416-001	
10	Vial 10	C0K130416-002	
11	Vial 11	C0K130416-003	
630 12	Vial 12	C0K130416-004	
13	Vial 13	C0K130416-005	
14	Vial 14	C0K130416-006	
15	Vial 15	C0K130416-007	
16	Vial 16	C0K130416-008	
635 17	Vial 17	~~C0K130416-009~~	TBA
18	Vial 18	C0K130416-010	
19	Vial 19	C0K130416-011	
20	Vial 20	C0K130416-012	
21	Vial 21	C0K130416-012	MS
640 22	Vial 22	C0K130416-012	MSD
23	Vial 23	C0K130416-013	
24	Vial 24	C0K130416-014	
25	Vial 25	C0K130492-001	
26	Vial 26	C0K130416-BLK	
645 27	Vial 27	C0K130416-LCS	
28	Vial 28	C0K130416-LCSD	
647 29	Vial 29	GC0786-10	
30	Vial 30	C0K080450-009	

649 31 Vial 31 C0K080450-011

32 Vial 32 C0K050430-001 20X

33 Vial 33 RINSE

34 Vial 34 C0K130416-BLK

35 Vial 35 C0K130416-LCS

654 36 Vial 36 GC0785-10

37 Vial 1 RINSE

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	HEXANE	PCB1	2	Sample		
2	Vial 2	M2154,11150.b	PCB1	1	Sample		
3	Vial 3	M1232,11150.b	PCB1	1	Sample		
4	Vial 4	M1242,11150.b	PCB1	1	Sample		
5	Vial 5	M1248,11150.b	PCB1	1	Sample		
6	Vial 6	M1262,11150.b	PCB1	1	Sample		
7	Vial 7	M1268,11150.b	PCB1	1	Sample		
8	Vial 8	M1660,11150.b	PCB1	1	Sample		
9	Vial 9	L910E1AA,11150.b	PCB1	1	Sample		
10	Vial 10	L910F1AA,11150.b	PCB1	1	Sample		
11	Vial 11	L910G1AA,11150.b	PCB1	1	Sample		
12	Vial 12	L910H1AA,11150.b	PCB1	1	Sample		
13	Vial 13	L910J1AA,11150.b	PCB1	1	Sample		
14	Vial 14	L910K1AA,11150.b	PCB1	1	Sample		
15	Vial 15	L910L1AA,11150.b	PCB1	1	Sample		
16	Vial 16	L910M1AA,11150.b	PCB1	1	Sample		
17	Vial 17	L910N1AC,11150.b	PCB1	1	Sample		
18	Vial 18	L910Q1AC,11150.b	PCB1	1	Sample		
19	Vial 19	L910R1AC,11150.b	PCB1	1	Sample		
20	Vial 20	L910T1AC,11150.b	PCB1	1	Sample		
21	Vial 21	L910T1AE,11150.b	PCB1	1	Sample		
22	Vial 22	L910T1AF,11150.b	PCB1	1	Sample		
23	Vial 23	L910V1AA,11150.b	PCB1	1	Sample		
24	Vial 24	L910W1AA,11150.b	PCB1	1	Sample		
25	Vial 25	L92K11A5,11150.b	PCB1	1	Sample		
26	Vial 26	L92Q71AA,11150.b	PCB1	1	Sample		
27	Vial 27	L92Q71AC,11150.b	PCB1	1	Sample		
28	Vial 28	L92Q71AD,11150.b	PCB1	1	Sample		
29	Vial 29	MH1660,11150.b	PCB1	1	Sample		
30	Vial 30	LPPHD1AC,11150.b	PCB1	1	Sample		
31	Vial 31	LPPHF1AC,11150.b	PCB1	1	Sample		
32	Vial 32	L9LAT1AR,11150.b	PCB1	1	Sample		
33	Vial 33	HEXANE	PCB1	1	Sample		
34	Vial 34	L92RG1AA,11150.b	PCB1	1	Sample		
35	Vial 35	L92RG1AC,11150.b	PCB1	1	Sample		
36	Vial 36	M1660,11150.b	PCB1	1	Sample		
37	Vial 1	HEXANE	PCB1	10	Sample		

Sequence Table (Back Injector):

No entries - empty table!

Sequence: E:\HPCHEM\1\SEQUENCE\S11200.S

5

Sequence Table (Front Injector):

HP6890 10 S
MR1

Sample Information Part:

Line	Location	Sample Information
1	Vial 100	RINSE
2	Vial 2	GC0785-10
3	Vial 3	C0K190518-001
4	~~Vial 4~~	~~C0K190518-002~~ 10X
5	~~Vial 5~~	~~C0K190518-003~~ 10X
6	Vial 6	C0K190518-BLK
7	Vial 7	C0K190518-LCS
8	Vial 8	C0K190518-LCSD
9	Vial 9	C0K180480-001
10	Vial 10	C0K180480-002
11	Vial 11	C0K180480-002 MS
12	Vial 12	C0K180480-002 MSD
13	Vial 13	C0K150478-001
14	Vial 14	C0K180480-BLK
15	Vial 15	C0K180480-LCS
16	Vial 16	C0K190430-005
17	Vial 17	C0K190523-009
18	Vial 18	C0K190518-004
19	Vial 4	C0K190518-002 10X
20	Vial 19	C0K190518-BLK
21	Vial 20	C0K190518-LCS
22	Vial 21	C0K190518-LCSD
23	Vial 22	GC0785-10 ✓
24	Vial 23	C0J250504-001 10X
25	Vial 24	C0J250504-002 10X
26	Vial 25	C0J250504-003 10X
27	Vial 26	C0J250504-003 ms 10X
28	Vial 27	C0J250504-003 msd 10X
29	Vial 28	C0J250504-004 10X
~~30~~	~~Vial 29~~	~~C0K010457-001 10X~~

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✓
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11-22-10

Sequence: E:\HPCHEM\1\SEQUENCE\S11200.S

796	31	Vial 30	C0K010457-007 10X
	32	Vial 31	C0K010457-013 10X
	33	Vial 32	C0K010457-019 10X
	34	Vial 33	C0J250504-BLK
740	35	Vial 34	C0J250504-LCS
	36	Vial 35	C0K010478-016
	37	Vial 36	C0K020512-007
	38	Vial 37	C0K020512-015
	39	Vial 38	C0K020534-017
745	40	Vial 39	C0K020540-005
	41	Vial 40	C0K010478-BLK
	42	Vial 41	C0K010478-LCS
	43	Vial 42	C0K010478-LCSD
	44	Vial 43	GC0784-10 ✓
750	45	Vial 5	C0K190518-003 10X
	46	Vial 44	C0K040551-001
	47	Vial 45	C0K040560-001
	48	Vial 46	C0K040560-002 5X
	49	Vial 47	C0K040560-004 5X
755	50	Vial 48	C0K040551-BLK
	51	Vial 49	C0K040551-LCS
	52	Vial 50	C0K040551-LCSD
	53	Vial 1	C0K030562-001 10X
	54	Vial 2	C0K030562-002 10X
760	55	Vial 3	C0K030562-002 MS 10X
	56	Vial 6	C0K030562-002 MSD 10X
	57	Vial 7	C0K030562-003 10X
	58	Vial 8	C0K030562-004 10X
	59	Vial 9	C0K030562-005 10X
765	60	Vial 10	C0K030562-006 10X
	61	Vial 11	C0K030562-007 10X
	62	Vial 12	C0K030562-008 10X
	63	Vial 13	C0K030562-BLK
	64	Vial 14	C0K030562-LCS

Sequence: E:\HPCHEM\1\SEQUENCE\S11200.S

Line	Location	Sample Information
770	65 Vial 15	GC0784-10

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 100	HEXANE	PCB1	2	Sample		
2	Vial 2	M1660,11150.b	PCB1	1	Sample		
3	Vial 3	MAAPC1AA,11150.b	PCB1	1	Sample		
4	Vial 4	MAAPD1AA,11150.b	PCB1	1	Sample		
5	Vial 5	MAAPE1AA,11150.b	PCB1	1	Sample		
6	Vial 6	MACF51AA,11150.b	PCB1	1	Sample		
7	Vial 7	MACF51AC,11150.b	PCB1	1	Sample		
8	Vial 8	MACF51AD,11150.b	PCB1	1	Sample		
9	Vial 9	L98FK1AA,11150.b	PCB1	1	Sample		
10	Vial 10	L98FL1AK,11150.b	PCB1	1	Sample		
11	Vial 11	L98FL1A9,11150.b	PCB1	1	Sample		
12	Vial 12	L98FL1CA,11150.b	PCB1	1	Sample		
13	Vial 13	L93R71AM,11150.b	PCB1	1	Sample		
14	Vial 14	L99Q11AA,11150.b	PCB1	1	Sample		
15	Vial 15	L99Q11AC,11150.b	PCB1	1	Sample		
16	Vial 16	L99241AA,11150.b	PCB1	1	Sample		
17	Vial 17	MAAQE1AA,11150.b	PCB1	1	Sample		
18	Vial 18	MAAPF1AA,11150.b	PCB1	1	Sample		
19	Vial 4	MAAPD1AA,11150.b	PCB1	1	Sample		
20	Vial 19	MACGF1AA,11150.b	PCB1	1	Sample		
21	Vial 20	MACGF1AC,11150.b	PCB1	1	Sample		
22	Vial 21	MACGF1AD,11150.b	PCB1	1	Sample		
23	Vial 22	M1660,11150.b	PCB1	1	Sample		
24	Vial 23	L83LK1A5,11150.b	PCB1	1	Sample		
25	Vial 24	L83LW1AG,11150.b	PCB1	1	Sample		
26	Vial 25	L83LX1AG,11150.b	PCB1	1	Sample		
27	Vial 26	L83LX1A9,11150.b	PCB1	1	Sample		
28	Vial 27	L83LX1CA,11150.b	PCB1	1	Sample		
29	Vial 28	L83L11AG,11150.b	PCB1	1	Sample		
30	Vial 29	L9D4M1CA,11150.b	PCB1	1	Sample		
31	Vial 30	L9D5P1A8,11150.b	PCB1	1	Sample		
32	Vial 31	L9D6A1A8,11150.b	PCB1	1	Sample		
33	Vial 32	L9D6P1A8,11150.b	PCB1	1	Sample		
34	Vial 33	L9HXG1AA,11150.b	PCB1	1	Sample		
35	Vial 34	L9HXG1AC,11150.b	PCB1	1	Sample		
36	Vial 35	L9EAX1AE,11150.b	PCB1	1	Sample		
37	Vial 36	L9FRM1AD,11150.b	PCB1	1	Sample		
38	Vial 37	L9FTL1AC,11150.b	PCB1	1	Sample		
39	Vial 38	L9F061AD,11150.b	PCB1	1	Sample		
40	Vial 39	L9F171AD,11150.b	PCB1	1	Sample		
41	Vial 40	L9KE51AA,11150.b	PCB1	1	Sample		
42	Vial 41	L9KE51AC,11150.b	PCB1	1	Sample		
43	Vial 42	L9KE51AD,11150.b	PCB1	1	Sample		
44	Vial 43	M1660,11150.b	PCB1	1	Sample		
45	Vial 5	MAAPE1AA,11150.b	PCB1	1	Sample		
46	Vial 44	L9J351A4,11150.b	PCB1	1	Sample		
47	Vial 45	L9J651A4,11150.b	PCB1	1	Sample		
48	Vial 46	L9J7D1AF,11150.b	PCB1	1	Sample		
49	Vial 47	L9J7K1A4,11150.b	PCB1	1	Sample		
50	Vial 48	L9MHC1AA,11150.b	PCB1	1	Sample		
51	Vial 49	L9MHC1AC,11150.b	PCB1	1	Sample		
52	Vial 50	L9MHC1AD,11150.b	PCB1	1	Sample		
53	Vial 1	L9HH31AD,11150.b	PCB1	1	Sample		
54	Vial 2	L9HH61AL,11150.b	PCB1	1	Sample		
55	Vial 3	L9HH61A7,11150.b	PCB1	1	Sample		
56	Vial 6	L9HH61A8,11150.b	PCB1	1	Sample		
57	Vial 7	L9HH81AL,11150.b	PCB1	1	Sample		

Sequence: E:\HPCHEM\1\SEQUENCE\S11200.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
58	Vial 8	L9HH91AL,11150.b	PCB1	1	Sample		
59	Vial 9	L9HJC1AL,11150.b	PCB1	1	Sample		
60	Vial 10	L9HJD1AL,11150.b	PCB1	1	Sample		
61	Vial 11	L9HJF1AL,11150.b	PCB1	1	Sample		
62	Vial 12	L9HJG1AL,11150.b	PCB1	1	Sample		
63	Vial 13	L9HXF1AA,11150.b	PCB1	1	Sample		
64	Vial 14	L9HXF1AC,11150.b	PCB1	1	Sample		
65	Vial 15	M1660,11150.b	PCB1	1	Sample		

Sequence Table (Back Injector):

Sample Information Part:

Line	Location	Sample Information
1	Vial 1	RINSE
2	Vial 2	GC0785-10
3	Vial 51	C0K110569-001
4	Vial 52	C0K110569-001 MS
5	Vial 53	C0K110569-001 MSD
6	Vial 54	C0K110569-002
7	Vial 55	C0K110569-003
8	Vial 56	C0K110569-004
9	Vial 57	C0K110569-005
10	Vial 58	C0K110569-006
11	Vial 59	C0K110569-007
12	Vial 60	C0K110574-001
13	Vial 61	C0K110574-002
14	Vial 62	C0K110574-003
15	Vial 63	C0K110574-004
16	Vial 64	C0K110547-004
17	Vial 65	C0K110547-007
18	Vial 66	rinse
19	Vial 66	C0K110569-BLK
20	Vial 67	C0K110569-LCS
21	Vial 68	GC0785-10
22	Vial 69	C0K050512-001
23	Vial 70	C0K050512-002
24	Vial 71	C0K090448-001

11-21-10

REQUESTED BY: **MERRIMAJ**

METHOD: QH PCBs (8082)

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD	
23C	L9HH3-1-AD	___ ___ ___	909529	356280	A-4F-QH	C0K030562	001		SOLID	0	2	1
23C	L9HH6-1-AL	___ ___ ___	909530	356280	A-4F-QH	C0K030562	002		SOLID	0	2	1
23C	L9HH8-1-AL	___ ___ ___	909531	356280	A-4F-QH	C0K030562	003		SOLID	0	2	1
23C	L9HH9-1-AL	___ ___ ___	909532	356280	A-4F-QH	C0K030562	004		SOLID	0	2	1
23C	L9HJC-1-AL	___ ___ ___	909533	356280	A-4F-QH	C0K030562	005		SOLID	0	2	1
23C	L9HJD-1-AL	___ ___ ___	909534	356280	A-4F-QH	C0K030562	006		SOLID	0	2	1
23C	L9HJF-1-AL	___ ___ ___	909535	356280	A-4F-QH	C0K030562	007		SOLID	0	2	1
23C	L9HJG-1-AL	___ ___ ___	909536	356280	A-4F-QH	C0K030562	008		SOLID	0	2	1

RELINQUISHED BY	RECEIVED BY	DATE/TIME
William J. Hoyle	Brian A. Pine	11.4.10 03.30
		11.11.10 07.30

***** END OF REPORT *****

METALS DATA

METALS RESULTS

Leo Brausch Consulting

Client Sample ID: 20100836 RSD10-01

TOTAL Metals

Lot-Sample #...: C0K030562-001 **Matrix.....:** SOLID
Date Sampled...: 10/19/10 **Date Received..:** 11/03/10
% Moisture.....: 87

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0320022						
Mercury	**0.12 B**	**0.13**	**mg/kg**	**SW846 7471A**	**11/16/10**	**L9HH31A5**
		Dilution Factor: 0.5		Analysis Time..: 09:00	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0320014	MDL.....: 0.043	
Prep Batch #...: 0323296						
Silver	**0.059 B**	**0.40**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31AE**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.015	
Aluminum	**5490**	**11.9**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31AF**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.1	
Arsenic	**12.8**	**0.40**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31AG**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.072	
Barium	**259**	**4.0**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31AH**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.042	
Beryllium	**0.27 B**	**0.40**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31AJ**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.030	
Calcium	**71800**	**39.6**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31AK**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 5.2	
Cadmium	**0.42**	**0.40**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31AL**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.028	
Cobalt	**4.0**	**0.20**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31AM**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0059	

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Client Sample ID: 20100836 RSD10-01

TOTAL Metals

Lot-Sample #...: C0K030562-001 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	**8.9 J**	**0.79**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31AN**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.024	
Copper	**16.1**	**0.79**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31AP**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.13	
Iron	**14400**	**19.8**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31AQ**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.4	
Potassium	**653**	**39.6**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31AR**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 5.4	
Magnesium	**3630 J**	**39.6**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31AT**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.74	
Manganese	**179**	**0.20**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31AU**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.041	
Sodium	**663**	**39.6**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31AV**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 5.4	
Nickel	**10.7**	**0.40**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31AW**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.045	
Lead	**42.0**	**0.40**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31AX**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.015	
Selenium	**1.6 B**	**2.0**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31A0**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.20	

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Leo Brausch Consulting

Client Sample ID: 20100836 RSD10-01

TOTAL Metals

Lot-Sample #...: C0K030562-001 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.26 B**	**0.40**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31A1**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0079	
Antimony	**0.40 B**	**0.79**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31A2**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.010	
Vanadium	**10.5**	**0.40**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31A3**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.031	
Zinc	**60.2**	**2.0**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH31A4**
		Dilution Factor: 0.5		Analysis Time..: 21:11	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.26	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Leo Brausch Consulting

Client Sample ID: 20100837 SD10-01

TOTAL Metals

Lot-Sample #...: C0K030562-002 **Matrix.....:** SOLID
Date Sampled...: 10/20/10 **Date Received..:** 11/03/10
% Moisture.....: 78

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0320022						
Mercury	**0.85**	**0.077**	**mg/kg**	**SW846 7471A**	**11/16/10**	**L9HH61AG**
		Dilution Factor: 0.5		Analysis Time..: 09:05	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0320014	MDL.....: 0.025	
Prep Batch #...: 0323296						
Silver	**28.7**	**0.19**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AM**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0073	
Aluminum	**12300**	**5.6**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AN**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.53	
Arsenic	**3.4**	**0.19**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AP**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.034	
Barium	**376**	**1.9**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AQ**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.020	
Beryllium	**0.52**	**0.19**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AR**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.014	
Calcium	**137000**	**18.6**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AT**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.5	
Cadmium	**283**	**0.19**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AU**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.013	
Cobalt	**11.3**	**0.093**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AV**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0028	

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Client Sample ID: 20100837 SD10-01

TOTAL Metals

Lot-Sample #...: C0K030562-002 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	**370 J**	**0.37**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AW**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.011	
Copper	**467**	**0.37**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AX**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.061	
Iron	**16700**	**9.3**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61A0**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.66	
Potassium	**1700**	**18.6**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61A1**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.5	
Magnesium	**5380 J**	**18.6**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61A2**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.35	
Manganese	**128**	**0.093**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61A3**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.019	
Sodium	**629**	**18.6**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61A4**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.5	
Nickel	**121**	**0.19**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61A5**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.021	
Lead	**1030**	**0.19**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61A6**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0071	
Selenium	**2.3**	**0.93**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AA**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.093	

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Client Sample ID: 20100837 SD10-01

TOTAL Metals

Lot-Sample #...: C0K030562-002 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.44**	**0.19**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AC**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0037	
Antimony	**3.2**	**0.37**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AD**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0048	
Vanadium	**25.0**	**0.19**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH61AE**
		Dilution Factor: 0.4		Analysis Time..: 21:15	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.015	
Zinc	**5020**	**9.3**	**mg/kg**	**SW846 6020**	**11/19-11/23/10**	**L9HH61AF**
		Dilution Factor: 4		Analysis Time..: 21:14	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.2	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Leo Brausch Consulting

Client Sample ID: 20100838 SD10-DUP

TOTAL Metals

Lot-Sample #...: C0K030562-003 **Matrix.....:** SOLID
Date Sampled...: 10/20/10 **Date Received..:** 11/03/10
% Moisture.....: 78

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0320022						
Mercury	**0.77**	**0.075**	**mg/kg**	**SW846 7471A**	**11/16/10**	**L9HH81AG**
		Dilution Factor: 0.5		Analysis Time..: 09:10	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0320014	MDL.....: 0.025	
Prep Batch #...: 0323296						
Silver	**25.8**	**0.20**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AM**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0078	
Aluminum	**11000**	**6.0**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AN**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.57	
Arsenic	**3.0**	**0.20**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AP**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.036	
Barium	**350**	**2.0**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AQ**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.021	
Beryllium	**0.46**	**0.20**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AR**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.015	
Calcium	**127000**	**20.0**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AT**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.7	
Cadmium	**253**	**0.20**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AU**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.014	
Cobalt	**10.2**	**0.10**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AV**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0030	

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Leo Brausch Consulting

Client Sample ID: 20100838 SD10-DUP

TOTAL Metals

Lot-Sample #...: C0K030562-003 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	333 J	0.40	mg/kg	SW846 6020	11/19-11/22/10	L9HH81AW
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.012	
Copper	426	0.40	mg/kg	SW846 6020	11/19-11/22/10	L9HH81AX
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.066	
Iron	15000	10.0	mg/kg	SW846 6020	11/19-11/22/10	L9HH81A0
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.71	
Potassium	1480	20.0	mg/kg	SW846 6020	11/19-11/22/10	L9HH81A1
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.7	
Magnesium	4890 J	20.0	mg/kg	SW846 6020	11/19-11/22/10	L9HH81A2
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.37	
Manganese	116	0.10	mg/kg	SW846 6020	11/19-11/22/10	L9HH81A3
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.021	
Sodium	594	20.0	mg/kg	SW846 6020	11/19-11/22/10	L9HH81A4
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.7	
Nickel	110	0.20	mg/kg	SW846 6020	11/19-11/22/10	L9HH81A5
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.023	
Lead	934	0.20	mg/kg	SW846 6020	11/19-11/22/10	L9HH81A6
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0076	
Selenium	2.0	1.0	mg/kg	SW846 6020	11/19-11/22/10	L9HH81AA
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.10	

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Client Sample ID: 20100838 SD10-DUP

TOTAL Metals

Lot-Sample #...: C0K030562-003 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.39**	**0.20**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AC**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0040	
Antimony	**2.9**	**0.40**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AD**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0052	
Vanadium	**21.4**	**0.20**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AE**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.016	
Zinc	**4390**	**1.0**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH81AF**
		Dilution Factor: 0.44		Analysis Time..: 21:34	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.13	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Leo Brausch Consulting

Client Sample ID: 20100839 SD10-06

TOTAL Metals

Lot-Sample #...: C0K030562-004 **Matrix.....:** SOLID
Date Sampled...: 10/20/10 **Date Received..:** 11/03/10
% Moisture.....: 68

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0320022						
Mercury	**0.35**	**0.052**	**mg/kg**	**SW846 7471A**	**11/16/10**	**L9HH91AG**
		Dilution Factor: 0.5		Analysis Time..: 09:12	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0320014	MDL.....: 0.017	
Prep Batch #...: 0323296						
Silver	**9.4**	**0.13**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91AM**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0053	
Aluminum	**13500**	**4.0**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91AN**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.38	
Arsenic	**2.7**	**0.13**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91AP**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.024	
Barium	**365**	**1.3**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91AQ**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.014	
Beryllium	**0.70**	**0.13**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91AR**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.010	
Calcium	**81200**	**13.5**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91AT**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.8	
Cadmium	**115**	**0.13**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91AU**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0094	
Cobalt	**8.7**	**0.067**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91AV**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0020	

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Client Sample ID: 20100839 SD10-06

TOTAL Metals

Lot-Sample #...: C0K030562-004 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	**151 J**	**0.27**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91AW**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0082	
Copper	**185**	**0.27**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91AX**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.044	
Iron	**15400**	**6.7**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91A0**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.48	
Potassium	**1090**	**13.5**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91A1**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.8	
Magnesium	**3610 J**	**13.5**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91A2**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.25	
Manganese	**94.2**	**0.067**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91A3**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.014	
Sodium	**442**	**13.5**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91A4**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.8	
Nickel	**75.4**	**0.13**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91A5**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.015	
Lead	**339**	**0.13**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91A6**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0051	
Selenium	**1.6**	**0.67**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91AA**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.068	

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Leo Brausch Consulting

Client Sample ID: 20100839 SD10-06

TOTAL Metals

Lot-Sample #...: C0K030562-004 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.36**	**0.13**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91AC**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0027	
Antimony	**0.41**	**0.27**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91AD**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0035	
Vanadium	**18.4**	**0.13**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91AE**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.011	
Zinc	**1950**	**0.67**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HH91AF**
		Dilution Factor: 0.43		Analysis Time..: 21:38	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.087	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Leo Brausch Consulting

Client Sample ID: 20100840 SD10-08

TOTAL Metals

Lot-Sample #...: C0K030562-005 **Matrix.....:** SOLID
Date Sampled...: 10/20/10 **Date Received..:** 11/03/10
% Moisture.....: 72

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0320022						
Mercury	**0.62**	**0.060**	**mg/kg**	**SW846 7471A**	**11/16/10**	**L9HJC1AG**
		Dilution Factor: 0.5		Analysis Time..: 09:14	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0320014	MDL.....: 0.020	
Prep Batch #...: 0323296						
Silver	**20.8**	**0.17**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJC1AM**
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0068	
Aluminum	**8920**	**5.2**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJC1AN**
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.49	
Arsenic	**2.1**	**0.17**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJC1AP**
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.031	
Barium	**412**	**1.7**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJC1AQ**
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.019	
Beryllium	**0.38**	**0.17**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJC1AR**
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.013	
Calcium	**188000**	**17.4**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJC1AT**
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.3	
Cadmium	**292**	**0.17**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJC1AU**
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.012	
Cobalt	**9.2**	**0.087**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJC1AV**
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0026	

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Leo Brausch Consulting

Client Sample ID: 20100840 SD10-08

TOTAL Metals

Lot-Sample #...: C0K030562-005 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	232 J	0.35	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1AW
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.011	
Copper	370	0.35	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1AX
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.057	
Iron	12800	8.7	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1A0
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.61	
Potassium	952	17.4	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1A1
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.4	
Magnesium	4140 J	17.4	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1A2
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.32	
Manganese	102	0.087	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1A3
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.018	
Sodium	541	17.4	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1A4
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.4	
Nickel	99.1	0.17	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1A5
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.020	
Lead	654	0.17	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1A6
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0066	
Selenium	1.7	0.87	mg/kg	SW846 6020	11/19-11/22/10	L9HJC1AA
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.087	

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Client Sample ID: 20100840 SD10-08

TOTAL Metals

Lot-Sample #...: C0K030562-005 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.39**	**0.17**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJC1AC**
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0035	
Antimony	**0.96**	**0.35**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJC1AD**
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0045	
Vanadium	**12.6**	**0.17**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJC1AE**
		Dilution Factor: 0.48		Analysis Time..: 21:42	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.014	
Zinc	**4860**	**8.7**	**mg/kg**	**SW846 6020**	**11/19-11/23/10**	**L9HJC1AF**
		Dilution Factor: 4.8		Analysis Time..: 21:18	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.1	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Leo Brausch Consulting

Client Sample ID: 20100841 SD10-03

TOTAL Metals

Lot-Sample #...: C0K030562-006 **Matrix.....:** SOLID
Date Sampled...: 10/20/10 **Date Received..:** 11/03/10
% Moisture.....: 73

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0320022						
Mercury	**0.87**	**0.061**	**mg/kg**	**SW846 7471A**	**11/16/10**	**L9HJD1AG**
		Dilution Factor: 0.5		Analysis Time..: 09:16	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0320014	MDL.....: 0.020	
Prep Batch #...: 0323296						
Silver	**32.0**	**0.15**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJD1AM**
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0060	
Aluminum	**10000**	**4.6**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJD1AN**
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.44	
Arsenic	**3.1**	**0.15**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJD1AP**
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.028	
Barium	**402**	**1.5**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJD1AQ**
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.017	
Beryllium	**0.43**	**0.15**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJD1AR**
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.012	
Calcium	**164000**	**15.4**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJD1AT**
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.0	
Cadmium	**323**	**0.15**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJD1AU**
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.011	
Cobalt	**8.6**	**0.077**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJD1AV**
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0023	

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Leo Brausch Consulting

Client Sample ID: 20100841 SD10-03

TOTAL Metals

Lot-Sample #...: C0K030562-006 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	357 J	0.31	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1AW
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0094	
Copper	476	0.31	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1AX
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.051	
Iron	13000	7.7	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1A0
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.55	
Potassium	1440	15.4	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1A1
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.1	
Magnesium	4700 J	15.4	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1A2
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.29	
Manganese	106	0.077	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1A3
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.016	
Sodium	536	15.4	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1A4
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.1	
Nickel	89.8	0.15	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1A5
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.017	
Lead	1270	0.15	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1A6
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0059	
Selenium	2.0	0.77	mg/kg	SW846 6020	11/19-11/22/10	L9HJD1AA
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.077	

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Leo Brausch Consulting

Client Sample ID: 20100841 SD10-03

TOTAL Metals

Lot-Sample #...: C0K030562-006 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.44**	**0.15**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJD1AC**
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0031	
Antimony	**1.7**	**0.31**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJD1AD**
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0040	
Vanadium	**16.5**	**0.15**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJD1AE**
		Dilution Factor: 0.42		Analysis Time..: 21:47	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.012	
Zinc	**5920**	**7.7**	**mg/kg**	**SW846 6020**	**11/19-11/23/10**	**L9HJD1AF**
		Dilution Factor: 4.2		Analysis Time..: 21:23	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.0	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Leo Brausch Consulting

Client Sample ID: 20100842 SD10-04

TOTAL Metals

Lot-Sample #...: C0K030562-007 **Matrix.....:** SOLID
Date Sampled...: 10/20/10 **Date Received..:** 11/03/10
% Moisture.....: 70

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0320022						
Mercury	**0.82**	**0.056**	**mg/kg**	**SW846 7471A**	**11/16/10**	**L9HJF1AG**
		Dilution Factor: 0.5		Analysis Time..: 09:18	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0320014	MDL.....: 0.018	
Prep Batch #...: 0323296						
Silver	**29.3**	**0.16**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJF1AM**
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0063	
Aluminum	**9380**	**4.9**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJF1AN**
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.46	
Arsenic	**2.8**	**0.16**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJF1AP**
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.029	
Barium	**425**	**1.6**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJF1AQ**
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.017	
Beryllium	**0.42**	**0.16**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJF1AR**
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.012	
Calcium	**185000**	**16.3**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJF1AT**
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.2	
Cadmium	**367**	**0.16**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJF1AU**
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.011	
Cobalt	**9.5**	**0.081**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJF1AV**
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0024	

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Leo Brausch Consulting

Client Sample ID: 20100842 SD10-04

TOTAL Metals

Lot-Sample #...: C0K030562-007 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	320 J	0.33	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1AW
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0099	
Copper	495	0.33	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1AX
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.054	
Iron	13000	8.1	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1A0
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.58	
Potassium	1270	16.3	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1A1
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.2	
Magnesium	4580 J	16.3	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1A2
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.30	
Manganese	110	0.081	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1A3
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.017	
Sodium	506	16.3	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1A4
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 2.2	
Nickel	107	0.16	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1A5
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.018	
Lead	989	0.16	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1A6
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0062	
Selenium	1.9	0.81	mg/kg	SW846 6020	11/19-11/22/10	L9HJF1AA
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.082	

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Leo Brausch Consulting

Client Sample ID: 20100842 SD10-04

TOTAL Metals

Lot-Sample #...: C0K030562-007 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.42**	**0.16**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJF1AC**
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0033	
Antimony	**1.4**	**0.33**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJF1AD**
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0042	
Vanadium	**18.2**	**0.16**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJF1AE**
		Dilution Factor: 0.48		Analysis Time..: 21:51	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.013	
Zinc	**6380**	**8.1**	**mg/kg**	**SW846 6020**	**11/19-11/23/10**	**L9HJF1AF**
		Dilution Factor: 4.8		Analysis Time..: 21:27	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.1	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Leo Brausch Consulting

Client Sample ID: 20100876 RSD10-01SV

TOTAL Metals

Lot-Sample #...: C0K030562-008 **Matrix.....:** SOLID
Date Sampled...: 10/19/10 **Date Received..:** 11/03/10
% Moisture.....: 88

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0320022						
Mercury	**0.16**	**0.14**	**mg/kg**	**SW846 7471A**	**11/16/10**	**L9HJG1AG**
		Dilution Factor: 0.5		Analysis Time..: 09:19	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 0320014	MDL.....: 0.047	
Prep Batch #...: 0323296						
Silver	**0.071 B**	**0.35**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJG1AM**
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.014	
Aluminum	**5620**	**10.6**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJG1AN**
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.0	
Arsenic	**15.2**	**0.35**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJG1AP**
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.064	
Barium	**324**	**3.5**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJG1AQ**
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.038	
Beryllium	**0.34 B**	**0.35**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJG1AR**
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.027	
Calcium	**90500**	**35.4**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJG1AT**
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 4.7	
Cadmium	**0.63**	**0.35**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJG1AU**
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.025	
Cobalt	**4.4**	**0.18**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJG1AV**
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0053	

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Leo Brausch Consulting

Client Sample ID: 20100876 RSD10-01SV

TOTAL Metals

Lot-Sample #...: C0K030562-008 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	18.9 J	0.71	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1AW
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.022	
Copper	18.3	0.71	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1AX
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.12	
Iron	16300	17.7	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1A0
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 1.3	
Potassium	629	35.4	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1A1
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 4.8	
Magnesium	3990 J	35.4	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1A2
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.66	
Manganese	204	0.18	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1A3
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.036	
Sodium	660	35.4	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1A4
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 4.9	
Nickel	17.7	0.35	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1A5
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.040	
Lead	50.8	0.35	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1A6
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.013	
Selenium	2.0	1.8	mg/kg	SW846 6020	11/19-11/22/10	L9HJG1AA
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.18	

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Client Sample ID: 20100876 RSD10-01SV

TOTAL Metals

Lot-Sample #...: C0K030562-008 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium	**0.26 B**	**0.35**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJG1AC**
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0071	
Antimony	**0.38 B**	**0.71**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJG1AD**
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.0092	
Vanadium	**11.0**	**0.35**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJG1AE**
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.028	
Zinc	**72.4**	**1.8**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**L9HJG1AF**
		Dilution Factor: 0.41		Analysis Time..: 21:55	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2		MS Run #.....: 0323168	MDL.....: 0.23	

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C0K160000-022 **Prep Batch #...:** 0320022						
Mercury	ND	0.016	mg/kg	SW846 7471A	11/16/10	L93401AA
		Dilution Factor: 0.5				
		Analysis Time..: 08:57		Analyst ID.....: 031043	Instrument ID..: HGH	
MB Lot-Sample #: C0K190000-296 **Prep Batch #...:** 0323296						
Silver	ND	0.040	mg/kg	SW846 6020	11/19-11/22/10	MAA101AA
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Aluminum	ND	1.2	mg/kg	SW846 6020	11/19-11/22/10	MAA101AC
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Arsenic	ND	0.040	mg/kg	SW846 6020	11/19-11/22/10	MAA101AD
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Barium	ND	0.40	mg/kg	SW846 6020	11/19-11/22/10	MAA101AE
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Beryllium	ND	0.040	mg/kg	SW846 6020	11/19-11/22/10	MAA101AF
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Calcium	ND	4.0	mg/kg	SW846 6020	11/19-11/22/10	MAA101AG
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Cadmium	ND	0.040	mg/kg	SW846 6020	11/19-11/22/10	MAA101AH
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Cobalt	ND	0.020	mg/kg	SW846 6020	11/19-11/22/10	MAA101AJ
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Chromium	**0.039 B**	**0.080**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**MAA101AK**
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	ND	0.080	mg/kg	SW846 6020	11/19-11/22/10	MAA101AL
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Iron	ND	2.0	mg/kg	SW846 6020	11/19-11/22/10	MAA101AM
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Potassium	ND	4.0	mg/kg	SW846 6020	11/19-11/23/10	MAA101AN
		Dilution Factor: 0.4				
		Analysis Time..: 21:10		Analyst ID.....: 400149	Instrument ID..: ICP	
Magnesium	**0.30 B**	**4.0**	**mg/kg**	**SW846 6020**	**11/19-11/22/10**	**MAA101AP**
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Manganese	ND	0.020	mg/kg	SW846 6020	11/19-11/22/10	MAA101AQ
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Sodium	ND	4.0	mg/kg	SW846 6020	11/19-11/23/10	MAA101AR
		Dilution Factor: 0.4				
		Analysis Time..: 21:10		Analyst ID.....: 400149	Instrument ID..: ICP	
Nickel	ND	0.040	mg/kg	SW846 6020	11/19-11/22/10	MAA101AT
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Lead	ND	0.040	mg/kg	SW846 6020	11/19-11/22/10	MAA101AU
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Selenium	ND	0.20	mg/kg	SW846 6020	11/19-11/22/10	MAA101AV
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Thallium	ND	0.040	mg/kg	SW846 6020	11/19-11/22/10	MAA101AW
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Antimony	ND	0.080	mg/kg	SW846 6020	11/19-11/22/10	MAA101AX
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	
Vanadium	ND	0.040	mg/kg	SW846 6020	11/19-11/22/10	MAA101A0
		Dilution Factor: 0.4				
		Analysis Time..: 20:59		Analyst ID.....: 400149	Instrument ID..: ICP	

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	0.20	mg/kg	SW846 6020	11/19-11/22/10	MAA101A1

Dilution Factor: 0.4

Analysis Time..: 20:59 Analyst ID.....: 400149 Instrument ID..: ICP

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C0K160000-022 **Prep Batch #...:** 0320022					
Mercury	96	(80 - 120)	SW846 7471A	11/16/10	L93401AC
		Dilution Factor: 0.5	Analysis Time..: 08:58	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA			
LCS Lot-Sample#: C0K190000-296 **Prep Batch #...:** 0323296					
Silver	94	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101A2
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Aluminum	89	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101A3
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Arsenic	87	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101A4
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Barium	91	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101A5
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Beryllium	94	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101A6
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Calcium	94	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101A7
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Cadmium	92	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101A8
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Cobalt	91	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101A9
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Chromium	94	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CA
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	93	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CC
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Iron	96	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CD
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Potassium	93	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CE
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Magnesium	94	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CF
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Manganese	93	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CG
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Sodium	95	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CH
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Nickel	90	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CJ
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Lead	108	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CK
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Selenium	118	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CL
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Thallium	104	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CM
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Antimony	92	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CN
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	91	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CP
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			
Zinc	94	(80 - 120)	SW846 6020	11/19-11/22/10	MAA101CQ
		Dilution Factor: 0.5	Analysis Time..: 21:03	Analyst ID.....: 400149	
		Instrument ID..: ICPMS2			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C0K160000-022 **Prep Batch #...:** 0320022							
Mercury	0.208	0.199	mg/kg	96	SW846 7471A	11/16/10	L93401AC
			Dilution Factor: 0.5		Analysis Time..: 08:58	Analyst ID.....: 031043	
			Instrument ID..: HGHYDRA				
LCS Lot-Sample#: C0K190000-296 **Prep Batch #...:** 0323296							
Silver	2.50	2.34	mg/kg	94	SW846 6020	11/19-11/22/10	MAA101A2
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Aluminum	100	89.4	mg/kg	89	SW846 6020	11/19-11/22/10	MAA101A3
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Arsenic	2.00	1.74	mg/kg	87	SW846 6020	11/19-11/22/10	MAA101A4
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Barium	100	91.4	mg/kg	91	SW846 6020	11/19-11/22/10	MAA101A5
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Beryllium	2.50	2.36	mg/kg	94	SW846 6020	11/19-11/22/10	MAA101A6
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Calcium	2500	2350	mg/kg	94	SW846 6020	11/19-11/22/10	MAA101A7
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Cadmium	2.50	2.31	mg/kg	92	SW846 6020	11/19-11/22/10	MAA101A8
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Cobalt	25.0	22.7	mg/kg	91	SW846 6020	11/19-11/22/10	MAA101A9
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Chromium	10.0	9.40	mg/kg	94	SW846 6020	11/19-11/22/10	MAA101CA
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	12.5	11.6	mg/kg	93	SW846 6020	11/19-11/22/10	MAA101CC
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Iron	50.0	47.8	mg/kg	96	SW846 6020	11/19-11/22/10	MAA101CD
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Potassium	2500	2320	mg/kg	93	SW846 6020	11/19-11/22/10	MAA101CE
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Magnesium	2500	2340	mg/kg	94	SW846 6020	11/19-11/22/10	MAA101CF
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Manganese	25.0	23.3	mg/kg	93	SW846 6020	11/19-11/22/10	MAA101CG
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Sodium	2500	2360	mg/kg	95	SW846 6020	11/19-11/22/10	MAA101CH
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Nickel	25.0	22.4	mg/kg	90	SW846 6020	11/19-11/22/10	MAA101CJ
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Lead	1.00	1.08	mg/kg	108	SW846 6020	11/19-11/22/10	MAA101CK
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Selenium	0.500	0.590	mg/kg	118	SW846 6020	11/19-11/22/10	MAA101CL
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Thallium	2.50	2.60	mg/kg	104	SW846 6020	11/19-11/22/10	MAA101CM
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Antimony	25.0	22.9	mg/kg	92	SW846 6020	11/19-11/22/10	MAA101CN
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	25.0	22.7	mg/kg	91	SW846 6020	11/19-11/22/10	MAA101CP
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				
Zinc	25.0	23.6	mg/kg	94	SW846 6020	11/19-11/22/10	MAA101CQ
			Dilution Factor: 0.5		Analysis Time..: 21:03	Analyst ID.....: 400149	
			Instrument ID..: ICPMS2				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID
Date Sampled...: 10/19/10 **Date Received..:** 11/03/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C0K030562-001 **Prep Batch #...:** 0320022							
						% Moisture.....: 87	
Mercury	98	(75 - 125)			SW846 7471A	11/16/10	L9HH31CD
	98	(75 - 125)	0.0	(0-20)	SW846 7471A	11/16/10	L9HH31CE

Dilution Factor: 0.5
Analysis Time..: 09:02 Instrument ID..: HGHYDRA Analyst ID.....: 031043
MS Run #.....: 0320014

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID
Date Sampled...: 10/19/10 **Date Received..:** 11/03/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C0K030562-001 **Prep Batch #...:** 0320022									
								% Moisture.....: 87	
Mercury									
	0.12	0.660	0.765	mg/kg	98		SW846 7471A	11/16/10	L9HH31CD
	0.12	0.660	0.765	mg/kg	98	0.0	SW846 7471A	11/16/10	L9HH31CE

Dilution Factor: 0.5
Analysis Time..: 09:02 Instrument ID..: HGHYDRA Analyst ID.....: 031043
MS Run #.....: 0320014

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID
Date Sampled...: 11/01/10 **Date Received..:** 11/12/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C0K120411-001 **Prep Batch #...:** 0323296							
						% Moisture.....: 35	
Silver	92	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1C2
	92	(75 - 125)	12	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1C3
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Aluminum	NC	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1C4
	NC	(75 - 125)		(0-20)	SW846 6020	11/19-11/22/10	L9X0X1C5
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Arsenic	83	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1C6
	79	(75 - 125)	4.7	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1C7
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Barium	94	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1C8
	93	(75 - 125)	12	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1C9
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Beryllium	90	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1DA
	91	(75 - 125)	10	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1DC
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Calcium	84	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1DD
	83	(75 - 125)	8.8	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1DE
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Cadmium	90	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1DF
	92	(75 - 125)	11	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1DG
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID
Date Sampled...: 11/01/10 **Date Received..:** 11/12/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	83	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1DH
	81	(75 - 125)	12	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1DJ
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Chromium	101	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1DK
	99	(75 - 125)	5.6	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1DL
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Copper	87	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1DM
	83	(75 - 125)	7.2	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1DN
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Iron	NC	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1DP
	NC	(75 - 125)		(0-20)	SW846 6020	11/19-11/22/10	L9X0X1DQ
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Potassium	106	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1DR
	106	(75 - 125)	9.0	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1DT
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Magnesium	95	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1DU
	90	(75 - 125)	8.1	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1DV
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Manganese	NC	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1DW
	NC	(75 - 125)		(0-20)	SW846 6020	11/19-11/22/10	L9X0X1DX
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID
Date Sampled...: 11/01/10 **Date Received..:** 11/12/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Sodium	88	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1D0
	83	(75 - 125)	8.1	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1D1
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Nickel	84	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1D2
	82	(75 - 125)	9.8	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1D3
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Lead	NC	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1D4
	135 N	(75 - 125)	2.7	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1D5
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Selenium	85	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1D6
	74 N	(75 - 125)	11	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1D7
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Thallium	109	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1D8
	110	(75 - 125)	12	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1D9
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Antimony	51 N	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1EA
	47 N	(75 - 125)	20	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1EC
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					
Vanadium	94	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1ED
	95	(75 - 125)	7.9	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1EE
		Dilution Factor: 0.49					
		Analysis Time..: 22:40			Instrument ID..: ICPMS2	Analyst ID.....: 400149	
		MS Run #.....: 0323168					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID
Date Sampled...: 11/01/10 **Date Received..:** 11/12/10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	98	(75 - 125)			SW846 6020	11/19-11/22/10	L9X0X1EF
	91	(75 - 125)	7.1	(0-20)	SW846 6020	11/19-11/22/10	L9X0X1EG

Dilution Factor: 0.49
Analysis Time..: 22:40 Instrument ID..: ICPMS2 Analyst ID.....: 400149
MS Run #.....: 0323168

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID
Date Sampled...: 11/01/10 **Date Received..:** 11/12/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C0K120411-001 **Prep Batch #...:** 0323296									
								% Moisture.....: 35	
Silver									
	0.52	3.75	3.98	mg/kg	92		SW846 6020	11/19-11/22/10	L9X0X1C2
	0.52	3.29	3.55	mg/kg	92	12	SW846 6020	11/19-11/22/10	L9X0X1C3
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0323168						
Aluminum									
	8460	150	12000	mg/kg			SW846 6020	11/19-11/22/10	L9X0X1C4
			Qualifiers: NC						
	8460	131	11500	mg/kg			SW846 6020	11/19-11/22/10	L9X0X1C5
			Qualifiers: NC						
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0323168						
Arsenic									
	6.3	3.00	8.82	mg/kg	83		SW846 6020	11/19-11/22/10	L9X0X1C6
	6.3	2.63	8.41	mg/kg	79	4.7	SW846 6020	11/19-11/22/10	L9X0X1C7
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0323168						
Barium									
	26.2	150	167	mg/kg	94		SW846 6020	11/19-11/22/10	L9X0X1C8
	26.2	131	148	mg/kg	93	12	SW846 6020	11/19-11/22/10	L9X0X1C9
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0323168						
Beryllium									
	0.48	3.75	3.84	mg/kg	90		SW846 6020	11/19-11/22/10	L9X0X1DA
	0.48	3.29	3.46	mg/kg	91	10	SW846 6020	11/19-11/22/10	L9X0X1DC
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0323168						
Calcium									
	1730	3750	4880	mg/kg	84		SW846 6020	11/19-11/22/10	L9X0X1DD
	1730	3290	4470	mg/kg	83	8.8	SW846 6020	11/19-11/22/10	L9X0X1DE
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2			Analyst ID.....: 400149	
			MS Run #.....: 0323168						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID
Date Sampled...: 11/01/10 **Date Received..:** 11/12/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cadmium									
	0.29	3.75	3.68	mg/kg	90		SW846 6020	11/19-11/22/10	L9X0X1DF
	0.29	3.29	3.30	mg/kg	92	11	SW846 6020	11/19-11/22/10	L9X0X1DG
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						
Cobalt									
	7.0	37.5	38.0	mg/kg	83		SW846 6020	11/19-11/22/10	L9X0X1DH
	7.0	32.9	33.7	mg/kg	81	12	SW846 6020	11/19-11/22/10	L9X0X1DJ
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						
Chromium									
	23.7	15.0	38.8	mg/kg	101		SW846 6020	11/19-11/22/10	L9X0X1DK
	23.7	13.1	36.7	mg/kg	99	5.6	SW846 6020	11/19-11/22/10	L9X0X1DL
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						
Copper									
	21.9	18.7	38.2	mg/kg	87		SW846 6020	11/19-11/22/10	L9X0X1DM
	21.9	16.4	35.5	mg/kg	83	7.2	SW846 6020	11/19-11/22/10	L9X0X1DN
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						
Iron									
	17800	74.9	18800	mg/kg			SW846 6020	11/19-11/22/10	L9X0X1DP
			Qualifiers: NC						
	17800	65.7	18100	mg/kg			SW846 6020	11/19-11/22/10	L9X0X1DQ
			Qualifiers: NC						
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						
Potassium									
	1740	3750	5710	mg/kg	106		SW846 6020	11/19-11/22/10	L9X0X1DR
	1740	3290	5220	mg/kg	106	9.0	SW846 6020	11/19-11/22/10	L9X0X1DT
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID
Date Sampled...: 11/01/10 **Date Received..:** 11/12/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium									
	4100	3750	7650	mg/kg	95		SW846 6020	11/19-11/22/10	L9X0X1DU
	4100	3290	7060	mg/kg	90	8.1	SW846 6020	11/19-11/22/10	L9X0X1DV
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						
Manganese									
	199	37.5	239 NC	mg/kg			SW846 6020	11/19-11/22/10	L9X0X1DW
	199	32.9	229 NC	mg/kg			SW846 6020	11/19-11/22/10	L9X0X1DX
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						
Sodium									
	3900	3750	7190	mg/kg	88		SW846 6020	11/19-11/22/10	L9X0X1D0
	3900	3290	6630	mg/kg	83	8.1	SW846 6020	11/19-11/22/10	L9X0X1D1
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						
Nickel									
	16.6	37.5	48.2	mg/kg	84		SW846 6020	11/19-11/22/10	L9X0X1D2
	16.6	32.9	43.6	mg/kg	82	9.8	SW846 6020	11/19-11/22/10	L9X0X1D3
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						
Lead									
	25.9	1.50	28.4 NC	mg/kg			SW846 6020	11/19-11/22/10	L9X0X1D4
	25.9	1.31	27.7 N	mg/kg	135	2.7	SW846 6020	11/19-11/22/10	L9X0X1D5
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						
Selenium									
	0.74	0.749	1.38	mg/kg	85		SW846 6020	11/19-11/22/10	L9X0X1D6
	0.74	0.657	1.23 N	mg/kg	74	11	SW846 6020	11/19-11/22/10	L9X0X1D7
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C0K030562 **Matrix.....:** SOLID
Date Sampled...: 11/01/10 **Date Received..:** 11/12/10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Thallium									
	0.12	3.75	4.22	mg/kg	109		SW846 6020	11/19-11/22/10	L9X0X1D8
	0.12	3.29	3.73	mg/kg	110	12	SW846 6020	11/19-11/22/10	L9X0X1D9
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						
Antimony									
	0.12	37.5	19.1 N	mg/kg	51		SW846 6020	11/19-11/22/10	L9X0X1EA
	0.12	32.9	15.7 N	mg/kg	47	20	SW846 6020	11/19-11/22/10	L9X0X1EC
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						
Vanadium									
	21.1	37.5	56.4	mg/kg	94		SW846 6020	11/19-11/22/10	L9X0X1ED
	21.1	32.9	52.1	mg/kg	95	7.9	SW846 6020	11/19-11/22/10	L9X0X1EE
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						
Zinc									
	62.5	37.5	99.2	mg/kg	98		SW846 6020	11/19-11/22/10	L9X0X1EF
	62.5	32.9	92.4	mg/kg	91	7.1	SW846 6020	11/19-11/22/10	L9X0X1EG
			Dilution Factor: 0.49						
			Analysis Time..: 22:40		Instrument ID..: ICPMS2		Analyst ID.....: 400149		
			MS Run #.....: 0323168						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

Test America Pittsburgh

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LEO BRAUSCH **SDG No.:** C0K030562

Initial Calibration Source: Inorganic **Instrument:** ICPMS

Continuing Calibration Source: HIPUR

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1			**ICV1 MET5571-10**						
	Aluminum	0.4150	0.4000	103.8	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen
	Antimony	0.0829	0.0800	103.6	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen
	Arsenic	0.0803	0.0800	100.4	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen
	Barium	0.0825	0.0800	103.1	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen
	Beryllium	0.0820	0.0800	102.5	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen
	Cadmium	0.0806	0.0800	100.7	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen
	Calcium	39.4467	40.0000	98.6	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen
	Chromium	0.0802	0.0800	100.2	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen
	Cobalt	0.0796	0.0800	99.5	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen
	Copper	0.0812	0.0800	101.5	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen
	Iron	20.0967	20.0000	100.5	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen
	Lead	0.0816	0.0800	102.0	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen
	Magnesium	40.7233	40.0000	101.8	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen
	Manganese	0.3989	0.4000	99.7	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen
	Nickel	0.0808	0.0800	101.0	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen
	Potassium	40.6100	40.0000	101.5	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen
	Selenium	0.0787	0.0800	98.4	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen
	Silver	0.0799	0.0800	99.9	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen
	Sodium	40.1200	40.0000	100.3	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen
	Thallium	0.0845	0.0800	105.6	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen
	Vanadium	0.0800	0.0800	100.0	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen
	Zinc	0.0830	0.0800	103.7	90.0 - 110.0	MS	11/22/2010	17:28	M01122A, gen

Test America Pittsburgh

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LEO BRAUSCH **SDG No.:** C0K030562

Initial Calibration Source: Inorganic **Instrument:** ICPMS

Continuing Calibration Source: HIPUR

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1			**CCV1-1 MET5575-10**						
	Aluminum	0.4940	0.5000	98.8	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen
	Antimony	0.0958	0.1000	95.8	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen
	Arsenic	0.0949	0.1000	94.9	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen
	Barium	0.0942	0.1000	94.2	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen
	Beryllium	0.0974	0.1000	97.4	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen
	Cadmium	0.0972	0.1000	97.2	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen
	Calcium	47.7533	50.0000	95.5	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen
	Chromium	0.0947	0.1000	94.7	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen
	Cobalt	0.0950	0.1000	95.0	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen
	Copper	0.0978	0.1000	97.8	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen
	Iron	24.0333	25.0000	96.1	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen
	Lead	0.1046	0.1000	104.6	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen
	Magnesium	49.9100	50.0000	99.8	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen
	Manganese	0.4803	0.5000	96.1	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen
	Nickel	0.0955	0.1000	95.5	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen
	Potassium	48.2333	50.0000	96.5	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen
	Selenium	0.0952	0.1000	95.2	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen
	Silver	0.0950	0.1000	95.0	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen
	Sodium	48.7067	50.0000	97.4	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen
	Thallium	0.1035	0.1000	103.5	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen
	Vanadium	0.0951	0.1000	95.1	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen
	Zinc	0.0991	0.1000	99.1	90.0 - 110.0	MS	11/22/2010	17:56	M01122A, gen

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LEO BRAUSCH **SDG No.:** C0K030562

Initial Calibration Source: Inorganic **Instrument:** ICPMS

Continuing Calibration Source: HIPUR

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV2			**CCV1-2**						
	Aluminum	0.4951	0.5000	99.0	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen
	Antimony	0.0953	0.1000	95.3	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen
	Arsenic	0.0986	0.1000	98.6	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen
	Barium	0.0950	0.1000	95.0	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen
	Beryllium	0.0986	0.1000	98.6	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen
	Cadmium	0.0981	0.1000	98.1	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen
	Calcium	47.0667	50.0000	94.1	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen
	Chromium	0.0939	0.1000	93.9	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen
	Cobalt	0.0955	0.1000	95.5	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen
	Copper	0.0976	0.1000	97.6	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen
	Iron	24.0133	25.0000	96.1	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen
	Lead	0.1052	0.1000	105.2	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen
	Magnesium	50.0100	50.0000	100.0	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen
	Manganese	0.4760	0.5000	95.2	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen
	Nickel	0.0965	0.1000	96.5	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen
	Potassium	48.3667	50.0000	96.7	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen
	Selenium	0.0995	0.1000	99.5	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen
	Silver	0.0983	0.1000	98.3	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen
	Sodium	49.0133	50.0000	98.0	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen
	Thallium	0.1040	0.1000	104.0	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen
	Vanadium	0.0939	0.1000	93.9	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen
	Zinc	0.0995	0.1000	99.5	90.0 - 110.0	MS	11/22/2010	19:04	M01122A, gen

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LEO BRAUSCH **SDG No.:** C0K030562

Initial Calibration Source: Inorganic **Instrument:** ICPMS

Continuing Calibration Source: HIPUR

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV3			CCV1-3						
	Aluminum	0.4948	0.5000	99.0	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen
	Antimony	0.0967	0.1000	96.7	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen
	Arsenic	0.0996	0.1000	99.6	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen
	Barium	0.0966	0.1000	96.6	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen
	Beryllium	0.0972	0.1000	97.2	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen
	Cadmium	0.0985	0.1000	98.5	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen
	Calcium	47.6367	50.0000	95.3	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen
	Chromium	0.0948	0.1000	94.8	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen
	Cobalt	0.0964	0.1000	96.4	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen
	Copper	0.0986	0.1000	98.6	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen
	Iron	24.1267	25.0000	96.5	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen
	Lead	0.1079	0.1000	107.9	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen
	Magnesium	50.0867	50.0000	100.2	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen
	Manganese	0.4807	0.5000	96.1	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen
	Nickel	0.0967	0.1000	96.7	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen
	Potassium	48.8067	50.0000	97.6	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen
	Selenium	0.1010	0.1000	101.0	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen
	Silver	0.0990	0.1000	99.0	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen
	Sodium	49.0333	50.0000	98.1	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen
	Thallium	0.1067	0.1000	106.7	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen
	Vanadium	0.0939	0.1000	93.9	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen
	Zinc	0.1009	0.1000	100.9	90.0 - 110.0	MS	11/22/2010	20:15	M01122A, gen

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LEO BRAUSCH **SDG No.:** C0K030562

Initial Calibration Source: Inorganic **Instrument:** ICPMS

Continuing Calibration Source: HIPUR

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV4			CCV1-4						
	Aluminum	0.4926	0.5000	98.5	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen
	Antimony	0.0970	0.1000	97.0	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen
	Arsenic	0.0986	0.1000	98.6	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen
	Barium	0.0966	0.1000	96.6	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen
	Beryllium	0.0973	0.1000	97.3	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen
	Cadmium	0.0985	0.1000	98.5	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen
	Calcium	48.4567	50.0000	96.9	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen
	Chromium	0.0939	0.1000	93.9	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen
	Cobalt	0.0952	0.1000	95.2	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen
	Copper	0.0971	0.1000	97.1	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen
	Iron	23.9333	25.0000	95.7	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen
	Lead	0.1051	0.1000	105.1	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen
	Magnesium	49.6933	50.0000	99.4	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen
	Manganese	0.4831	0.5000	96.6	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen
	Nickel	0.0951	0.1000	95.1	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen
	Potassium	48.9433	50.0000	97.9	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen
	Selenium	0.0967	0.1000	96.7	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen
	Silver	0.0987	0.1000	98.7	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen
	Sodium	49.8100	50.0000	99.6	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen
	Thallium	0.1041	0.1000	104.1	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen
	Vanadium	0.0937	0.1000	93.7	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen
	Zinc	0.1020	0.1000	102.0	90.0 - 110.0	MS	11/22/2010	21:22	M01122A, gen

Test America Pittsburgh

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LEO BRAUSCH **SDG No.:** C0K030562

Initial Calibration Source: Inorganic **Instrument:** ICPMS

Continuing Calibration Source: HIPUR

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV5			**CCV1-5**						
	Aluminum	0.4793	0.5000	95.9	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen
	Antimony	0.0975	0.1000	97.5	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen
	Arsenic	0.1021	0.1000	102.1	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen
	Barium	0.0977	0.1000	97.7	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen
	Beryllium	0.0962	0.1000	96.2	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen
	Cadmium	0.0993	0.1000	99.3	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen
	Calcium	49.1600	50.0000	98.3	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen
	Chromium	0.0965	0.1000	96.5	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen
	Cobalt	0.0977	0.1000	97.7	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen
	Copper	0.0998	0.1000	99.8	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen
	Iron	24.4767	25.0000	97.9	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen
	Lead	0.1033	0.1000	103.3	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen
	Magnesium	47.9667	50.0000	95.9	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen
	Manganese	0.4930	0.5000	98.6	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen
	Nickel	0.0975	0.1000	97.5	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen
	Potassium	49.0233	50.0000	98.0	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen
	Selenium	0.1015	0.1000	101.5	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen
	Silver	0.0993	0.1000	99.3	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen
	Sodium	48.2967	50.0000	96.6	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen
	Thallium	0.1019	0.1000	101.9	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen
	Vanadium	0.0948	0.1000	94.8	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen
	Zinc	0.1057	0.1000	105.7	90.0 - 110.0	MS	11/22/2010	22:20	M01122A, gen

Test America Pittsburgh

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LEO BRAUSCH **SDG No.:** C0K030562

Initial Calibration Source: Inorganic **Instrument:** ICPMS

Continuing Calibration Source: HIPUR

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV7			**CCV1-7**						
	Aluminum	0.4891	0.5000	97.8	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
	Antimony	0.0978	0.1000	97.8	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
	Arsenic	0.1022	0.1000	102.2	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
	Barium	0.0968	0.1000	96.8	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
	Beryllium	0.0965	0.1000	96.5	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
	Cadmium	0.0990	0.1000	99.0	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
	Calcium	48.8967	50.0000	97.8	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
	Chromium	0.0965	0.1000	96.5	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
	Cobalt	0.0970	0.1000	97.0	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
	Copper	0.0995	0.1000	99.5	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
	Iron	24.1267	25.0000	96.5	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
	Lead	0.1067	0.1000	106.7	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
	Magnesium	47.9833	50.0000	96.0	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
	Manganese	0.4871	0.5000	97.4	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
	Nickel	0.0979	0.1000	97.9	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
	Potassium	48.9633	50.0000	97.9	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
	Selenium	0.1010	0.1000	101.0	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
	Silver	0.0992	0.1000	99.2	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
	Sodium	46.9933	50.0000	94.0	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
	Thallium	0.1050	0.1000	105.0	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
	Vanadium	0.0964	0.1000	96.4	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
	Zinc	0.1033	0.1000	103.3	90.0 - 110.0	MS	11/23/2010	00:18	M01122A, gen
ICV1			**ICV1 MET5571-10**						
	Sodium	39.9267	40.0000	99.8	90.0 - 110.0	MS	11/23/2010	20:27	M01123A, gen
	Zinc	0.0840	0.0800	105.0	90.0 - 110.0	MS	11/23/2010	20:27	M01123A, gen
CCV1			**CCV1-1 MET5575-10**						
	Sodium	47.8333	50.0000	95.7	90.0 - 110.0	MS	11/23/2010	20:54	M01123A, gen
	Zinc	0.0960	0.1000	96.0	90.0 - 110.0	MS	11/23/2010	20:54	M01123A, gen
CCV2			**CCV1-2**						
	Sodium	48.5467	50.0000	97.1	90.0 - 110.0	MS	11/23/2010	21:59	M01123A, gen
	Zinc	0.1007	0.1000	100.7	90.0 - 110.0	MS	11/23/2010	21:59	M01123A, gen

TestAmerica Pittsburgh

Metals Data Reporting Form

Initial Calibration Verification Standar

Instrument: CVAA **Units:** ug/L

Chart Number: G01116A.PRN **Acceptable Range:** 90% - 110%

Standard Source: Ultra **Standard ID:** MET6168-10

Element	WL/ Mass	True Conc	ICV6-1 11/16/2010 8:01 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	2.5	2.60	**104.0**								

5.22.0

Form 2A Equivalent

TestAmerica Pittsburgh

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: CVAA **Units:** ug/L

Chart Number: G01116A.PRN **Acceptable Range:** 90% - 110%

Standard Source: Inorganic Ventures **Standard ID:** MET6170-10

Element	WL/ Mass	True Conc	CCV6-1 11/16/2010 8:06 AM		CCV6-2 11/16/2010 8:26 AM		CCV6-3 11/16/2010 8:46 AM		CCV6-4 11/16/2010 9:07 AM		CCV6-5 11/16/2010 9:28 AM	
			Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	5.0	5.01	**100.2**	5.04	**100.8**	5.01	**100.2**	4.93	**98.6**	4.95	**99.0**

5.22.0

Form 2A Equivalent

TestAmerica Pittsburgh

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: CVAA **Units:** ug/L

Chart Number: G01116A.PRN **Acceptable Range:** 90% - 110%

Standard Source: Inorganic Ventures **Standard ID:** MET6170-10

Element	WL/ Mass	True Conc	CCV6-6 11/16/2010 9:49 AM Found	% Rec	CCV6-7 11/16/2010 10:04 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	5.0	4.88	**97.6**	4.92	**98.4**						

Test America Pittsburgh
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CRDL STANDARD FOR AA & ICP

Client: LEO BRAUSCH **SDG No.:** C0K030562

ICPMS Standard Source: HIPUR

Instrument: ICPMS

Sample ID	Analyte	Result mg/L	True Value mg/L	% Recovery	Advisory Limits (%R)	M	Analysis Date	Analysis Time	Run Number
CRDL1			**CRI MET5572-10**						
	Aluminum	0.03517	0.03000	117.2	50 - 150	MS	11/22/201	17:40	M01122A,
	Antimony	0.00196	0.00200	98.0	50 - 150	MS	11/22/201	17:40	M01122A,
	Arsenic	0.00104	0.00100	104.0	50 - 150	MS	11/22/201	17:40	M01122A,
	Barium	0.00956	0.01000	95.6	50 - 150	MS	11/22/201	17:40	M01122A,
	Beryllium	0.00108	0.00100	108.0	50 - 150	MS	11/22/201	17:40	M01122A,
	Cadmium	0.00100	0.00100	100.0	50 - 150	MS	11/22/201	17:40	M01122A,
	Calcium	0.10943	0.10000	109.4	50 - 150	MS	11/22/201	17:40	M01122A,
	Chromium	0.00187	0.00200	93.5	50 - 150	MS	11/22/201	17:40	M01122A,
	Cobalt	0.00052	0.00050	104.0	50 - 150	MS	11/22/201	17:40	M01122A,
	Copper	0.00208	0.00200	104.0	50 - 150	MS	11/22/201	17:40	M01122A,
	Iron	0.05953	0.05000	119.1	50 - 150	MS	11/22/201	17:40	M01122A,
	Lead	0.00108	0.00100	108.0	50 - 150	MS	11/22/201	17:40	M01122A,
	Magnesium	0.10363	0.10000	103.6	50 - 150	MS	11/22/201	17:40	M01122A,
	Manganese	0.00051	0.00050	102.0	50 - 150	MS	11/22/201	17:40	M01122A,
	Nickel	0.00109	0.00100	109.0	50 - 150	MS	11/22/201	17:40	M01122A,
	Potassium	0.10333	0.10000	103.3	50 - 150	MS	11/22/201	17:40	M01122A,
	Selenium	0.00477	0.00500	95.4	50 - 150	MS	11/22/201	17:40	M01122A,
	Silver	0.00101	0.00100	101.0	50 - 150	MS	11/22/201	17:40	M01122A,
	Sodium	0.09960	0.10000	99.6	50 - 150	MS	11/22/201	17:40	M01122A,
	Thallium	0.00112	0.00100	112.0	50 - 150	MS	11/22/201	17:40	M01122A,
	Vanadium	0.00086	0.00100	86.0	50 - 150	MS	11/22/201	17:40	M01122A,
	Zinc	0.00446	0.00500	89.2	50 - 150	MS	11/22/201	17:40	M01122A,
CRDL1			**CRI MET5572-10**						
	Sodium	0.07131	0.10000	71.3	50 - 150	MS	11/23/201	20:38	M01123A,
	Zinc	0.00443	0.00500	88.6	50 - 150	MS	11/23/201	20:38	M01123A,

TestAmerica Pittsburgh

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: CVAA **Units:** ug/L

Chart Number: G01116A.PRN **Acceptable Range:** 50% - 150%

Standard Source: Ultra **Standard ID:** MET6169-10

Element	WL/ Mass	True Conc	CRA/RLV 11/16/2010 8:04 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	0.2	0.21	**104.5**								

5.22.0

Form 2B Equivalent

Test America Pittsburgh
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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LEO BRAUSCH **SDG No.:** C0K030562

Instrument: ICPMS

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
ICB1			ICB1							
	Aluminum	-0.00075	+/-0.03000	U	0.00285	0.03000	MS	11/22/2010	17:36	M01122A, ge
	Antimony	0.00002	+/-0.00200	U	0.00003	0.00200	MS	11/22/2010	17:36	M01122A, ge
	Arsenic	0.00000	+/-0.00100	U	0.00018	0.00100	MS	11/22/2010	17:36	M01122A, ge
	Barium	-0.00004	+/-0.01000	U	0.00011	0.01000	MS	11/22/2010	17:36	M01122A, ge
	Beryllium	-0.00001	+/-0.00100	U	0.00008	0.00100	MS	11/22/2010	17:36	M01122A, ge
	Cadmium	-0.00002	+/-0.00100	U	0.00007	0.00100	MS	11/22/2010	17:36	M01122A, ge
	Calcium	0.00409	+/-0.10000	U	0.01326	0.10000	MS	11/22/2010	17:36	M01122A, ge
	Chromium	-0.00003	+/-0.00200	U	0.00022	0.00200	MS	11/22/2010	17:36	M01122A, ge
	Cobalt	0.00000	+/-0.00050	U	0.00002	0.00050	MS	11/22/2010	17:36	M01122A, ge
	Copper	-0.00007	+/-0.00200	U	0.00033	0.00200	MS	11/22/2010	17:36	M01122A, ge
	Iron	0.00234	+/-0.05000	U	0.00354	0.05000	MS	11/22/2010	17:36	M01122A, ge
	Lead	-0.00002	+/-0.00100	U	0.00004	0.00100	MS	11/22/2010	17:36	M01122A, ge
	Magnesium	-0.00023	+/-0.10000	U	0.00187	0.10000	MS	11/22/2010	17:36	M01122A, ge
	Manganese	0.00001	+/-0.00050	U	0.00010	0.00050	MS	11/22/2010	17:36	M01122A, ge
	Nickel	0.00000	+/-0.00100	U	0.00011	0.00100	MS	11/22/2010	17:36	M01122A, ge
	Potassium	0.00294	+/-0.10000	U	0.03155	0.10000	MS	11/22/2010	17:36	M01122A, ge
	Selenium	0.00026	+/-0.00500	U	0.00050	0.00500	MS	11/22/2010	17:36	M01122A, ge
	Silver	0.00003	+/-0.00100	U	0.00004	0.00100	MS	11/22/2010	17:36	M01122A, ge
	Sodium	-0.00486	+/-0.10000	U	0.01369	0.10000	MS	11/22/2010	17:36	M01122A, ge
	Thallium	0.00000	+/-0.00100	U	0.00002	0.00100	MS	11/22/2010	17:36	M01122A, ge
	Vanadium	-0.00007	+/-0.00100	U	0.00008	0.00100	MS	11/22/2010	17:36	M01122A, ge
	Zinc	-0.00077	+/-0.00500	J	0.00065	0.00500	MS	11/22/2010	17:36	M01122A, ge

Test America Pittsburgh

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LEO BRAUSCH

SDG No.: C0K030562

Instrument: ICPMS

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
CCB1			CCB1							
	Aluminum	-0.00051	+/-0.03000	U	0.00285	0.03000	MS	11/22/2010	18:03	M01122A, ge
	Antimony	0.00018	+/-0.00200	J	0.00003	0.00200	MS	11/22/2010	18:03	M01122A, ge
	Arsenic	0.00008	+/-0.00100	U	0.00018	0.00100	MS	11/22/2010	18:03	M01122A, ge
	Barium	-0.00004	+/-0.01000	U	0.00011	0.01000	MS	11/22/2010	18:03	M01122A, ge
	Beryllium	0.00002	+/-0.00100	U	0.00008	0.00100	MS	11/22/2010	18:03	M01122A, ge
	Cadmium	-0.00008	+/-0.00100	J	0.00007	0.00100	MS	11/22/2010	18:03	M01122A, ge
	Calcium	0.00472	+/-0.10000	U	0.01326	0.10000	MS	11/22/2010	18:03	M01122A, ge
	Chromium	-0.00001	+/-0.00200	U	0.00022	0.00200	MS	11/22/2010	18:03	M01122A, ge
	Cobalt	0.00000	+/-0.00050	U	0.00002	0.00050	MS	11/22/2010	18:03	M01122A, ge
	Copper	-0.00011	+/-0.00200	U	0.00033	0.00200	MS	11/22/2010	18:03	M01122A, ge
	Iron	0.00931	+/-0.05000	J	0.00354	0.05000	MS	11/22/2010	18:03	M01122A, ge
	Lead	-0.00002	+/-0.00100	U	0.00004	0.00100	MS	11/22/2010	18:03	M01122A, ge
	Magnesium	0.00061	+/-0.10000	U	0.00187	0.10000	MS	11/22/2010	18:03	M01122A, ge
	Manganese	0.00002	+/-0.00050	U	0.00010	0.00050	MS	11/22/2010	18:03	M01122A, ge
	Nickel	0.00000	+/-0.00100	U	0.00011	0.00100	MS	11/22/2010	18:03	M01122A, ge
	Potassium	0.01145	+/-0.10000	U	0.03155	0.10000	MS	11/22/2010	18:03	M01122A, ge
	Selenium	0.00025	+/-0.00500	U	0.00050	0.00500	MS	11/22/2010	18:03	M01122A, ge
	Silver	0.00002	+/-0.00100	U	0.00004	0.00100	MS	11/22/2010	18:03	M01122A, ge
	Sodium	0.00169	+/-0.10000	U	0.01369	0.10000	MS	11/22/2010	18:03	M01122A, ge
	Thallium	0.00002	+/-0.00100	U	0.00002	0.00100	MS	11/22/2010	18:03	M01122A, ge
	Vanadium	-0.00003	+/-0.00100	U	0.00008	0.00100	MS	11/22/2010	18:03	M01122A, ge
	Zinc	-0.00071	+/-0.00500	J	0.00065	0.00500	MS	11/22/2010	18:03	M01122A, ge

Test America Pittsburgh

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LEO BRAUSCH **SDG No.:** C0K030562

Instrument: ICPMS

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
CCB2			CCB2							
	Aluminum	-0.00059	+/-0.03000	U	0.00285	0.03000	MS	11/22/2010	19:11	M01122A, ge
	Antimony	0.00020	+/-0.00200	J	0.00003	0.00200	MS	11/22/2010	19:11	M01122A, ge
	Arsenic	0.00013	+/-0.00100	U	0.00018	0.00100	MS	11/22/2010	19:11	M01122A, ge
	Barium	-0.00004	+/-0.01000	U	0.00011	0.01000	MS	11/22/2010	19:11	M01122A, ge
	Beryllium	-0.00001	+/-0.00100	U	0.00008	0.00100	MS	11/22/2010	19:11	M01122A, ge
	Cadmium	-0.00009	+/-0.00100	J	0.00007	0.00100	MS	11/22/2010	19:11	M01122A, ge
	Calcium	0.01212	+/-0.10000	U	0.01326	0.10000	MS	11/22/2010	19:11	M01122A, ge
	Chromium	0.00002	+/-0.00200	U	0.00022	0.00200	MS	11/22/2010	19:11	M01122A, ge
	Cobalt	0.00000	+/-0.00050	U	0.00002	0.00050	MS	11/22/2010	19:11	M01122A, ge
	Copper	-0.00011	+/-0.00200	U	0.00033	0.00200	MS	11/22/2010	19:11	M01122A, ge
	Iron	0.00805	+/-0.05000	J	0.00354	0.05000	MS	11/22/2010	19:11	M01122A, ge
	Lead	0.00002	+/-0.00100	U	0.00004	0.00100	MS	11/22/2010	19:11	M01122A, ge
	Magnesium	0.00057	+/-0.10000	U	0.00187	0.10000	MS	11/22/2010	19:11	M01122A, ge
	Manganese	0.00013	+/-0.00050	J	0.00010	0.00050	MS	11/22/2010	19:11	M01122A, ge
	Nickel	-0.00001	+/-0.00100	U	0.00011	0.00100	MS	11/22/2010	19:11	M01122A, ge
	Potassium	0.00527	+/-0.10000	U	0.03155	0.10000	MS	11/22/2010	19:11	M01122A, ge
	Selenium	0.00047	+/-0.00500	U	0.00050	0.00500	MS	11/22/2010	19:11	M01122A, ge
	Silver	0.00001	+/-0.00100	U	0.00004	0.00100	MS	11/22/2010	19:11	M01122A, ge
	Sodium	0.01051	+/-0.10000	U	0.01369	0.10000	MS	11/22/2010	19:11	M01122A, ge
	Thallium	0.00002	+/-0.00100	J	0.00002	0.00100	MS	11/22/2010	19:11	M01122A, ge
	Vanadium	-0.00006	+/-0.00100	U	0.00008	0.00100	MS	11/22/2010	19:11	M01122A, ge
	Zinc	-0.00076	+/-0.00500	J	0.00065	0.00500	MS	11/22/2010	19:11	M01122A, ge

Test America Pittsburgh

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LEO BRAUSCH **SDG No.:** C0K030562

Instrument: ICPMS

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
CCB3			CCB3							
	Aluminum	-0.00055	+/-0.03000	U	0.00285	0.03000	MS	11/22/2010	20:22	M01122A, ge
	Antimony	0.00019	+/-0.00200	J	0.00003	0.00200	MS	11/22/2010	20:22	M01122A, ge
	Arsenic	0.00040	+/-0.00100	J	0.00018	0.00100	MS	11/22/2010	20:22	M01122A, ge
	Barium	-0.00003	+/-0.01000	U	0.00011	0.01000	MS	11/22/2010	20:22	M01122A, ge
	Beryllium	0.00000	+/-0.00100	U	0.00008	0.00100	MS	11/22/2010	20:22	M01122A, ge
	Cadmium	-0.00008	+/-0.00100	J	0.00007	0.00100	MS	11/22/2010	20:22	M01122A, ge
	Calcium	0.01692	+/-0.10000	J	0.01326	0.10000	MS	11/22/2010	20:22	M01122A, ge
	Chromium	0.00001	+/-0.00200	U	0.00022	0.00200	MS	11/22/2010	20:22	M01122A, ge
	Cobalt	0.00000	+/-0.00050	U	0.00002	0.00050	MS	11/22/2010	20:22	M01122A, ge
	Copper	-0.00011	+/-0.00200	U	0.00033	0.00200	MS	11/22/2010	20:22	M01122A, ge
	Iron	0.00713	+/-0.05000	J	0.00354	0.05000	MS	11/22/2010	20:22	M01122A, ge
	Lead	0.00001	+/-0.00100	U	0.00004	0.00100	MS	11/22/2010	20:22	M01122A, ge
	Magnesium	0.00140	+/-0.10000	U	0.00187	0.10000	MS	11/22/2010	20:22	M01122A, ge
	Manganese	0.00012	+/-0.00050	J	0.00010	0.00050	MS	11/22/2010	20:22	M01122A, ge
	Nickel	0.00001	+/-0.00100	U	0.00011	0.00100	MS	11/22/2010	20:22	M01122A, ge
	Potassium	0.01268	+/-0.10000	U	0.03155	0.10000	MS	11/22/2010	20:22	M01122A, ge
	Selenium	0.00179	+/-0.00500	J	0.00050	0.00500	MS	11/22/2010	20:22	M01122A, ge
	Silver	0.00000	+/-0.00100	U	0.00004	0.00100	MS	11/22/2010	20:22	M01122A, ge
	Sodium	0.00422	+/-0.10000	U	0.01369	0.10000	MS	11/22/2010	20:22	M01122A, ge
	Thallium	0.00002	+/-0.00100	J	0.00002	0.00100	MS	11/22/2010	20:22	M01122A, ge
	Vanadium	0.00001	+/-0.00100	U	0.00008	0.00100	MS	11/22/2010	20:22	M01122A, ge
	Zinc	-0.00075	+/-0.00500	J	0.00065	0.00500	MS	11/22/2010	20:22	M01122A, ge

Test America Pittsburgh

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LEO BRAUSCH **SDG No.:** C0K030562

Instrument: ICPMS

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
CCB4			CCB4							
	Aluminum	-0.00069	+/-0.03000	U	0.00285	0.03000	MS	11/22/2010	21:29	M01122A, ge
	Antimony	0.00020	+/-0.00200	J	0.00003	0.00200	MS	11/22/2010	21:29	M01122A, ge
	Arsenic	0.00014	+/-0.00100	U	0.00018	0.00100	MS	11/22/2010	21:29	M01122A, ge
	Barium	-0.00003	+/-0.01000	U	0.00011	0.01000	MS	11/22/2010	21:29	M01122A, ge
	Beryllium	-0.00001	+/-0.00100	U	0.00008	0.00100	MS	11/22/2010	21:29	M01122A, ge
	Cadmium	-0.00008	+/-0.00100	J	0.00007	0.00100	MS	11/22/2010	21:29	M01122A, ge
	Calcium	0.02949	+/-0.10000	J	0.01326	0.10000	MS	11/22/2010	21:29	M01122A, ge
	Chromium	0.00012	+/-0.00200	U	0.00022	0.00200	MS	11/22/2010	21:29	M01122A, ge
	Cobalt	0.00000	+/-0.00050	U	0.00002	0.00050	MS	11/22/2010	21:29	M01122A, ge
	Copper	-0.00010	+/-0.00200	U	0.00033	0.00200	MS	11/22/2010	21:29	M01122A, ge
	Iron	0.00104	+/-0.05000	U	0.00354	0.05000	MS	11/22/2010	21:29	M01122A, ge
	Lead	0.00009	+/-0.00100	J	0.00004	0.00100	MS	11/22/2010	21:29	M01122A, ge
	Magnesium	0.00260	+/-0.10000	J	0.00187	0.10000	MS	11/22/2010	21:29	M01122A, ge
	Manganese	0.00001	+/-0.00050	U	0.00010	0.00050	MS	11/22/2010	21:29	M01122A, ge
	Nickel	-0.00002	+/-0.00100	U	0.00011	0.00100	MS	11/22/2010	21:29	M01122A, ge
	Potassium	0.05534	+/-0.10000	J	0.03155	0.10000	MS	11/22/2010	21:29	M01122A, ge
	Selenium	0.00072	+/-0.00500	J	0.00050	0.00500	MS	11/22/2010	21:29	M01122A, ge
	Silver	-0.00001	+/-0.00100	U	0.00004	0.00100	MS	11/22/2010	21:29	M01122A, ge
	Sodium	0.09755	+/-0.10000	J	0.01369	0.10000	MS	11/22/2010	21:29	M01122A, ge
	Thallium	0.00002	+/-0.00100	U	0.00002	0.00100	MS	11/22/2010	21:29	M01122A, ge
	Vanadium	0.00016	+/-0.00100	J	0.00008	0.00100	MS	11/22/2010	21:29	M01122A, ge
	Zinc	-0.00045	+/-0.00500	U	0.00065	0.00500	MS	11/22/2010	21:29	M01122A, ge

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LEO BRAUSCH

SDG No.: C0K030562

Instrument: ICPMS

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
CCB5			CCB5							
	Aluminum	-0.00041	+/-0.03000	U	0.00285	0.03000	MS	11/22/2010	22:27	M01122A, ge
	Antimony	0.00014	+/-0.00200	J	0.00003	0.00200	MS	11/22/2010	22:27	M01122A, ge
	Arsenic	0.00022	+/-0.00100	J	0.00018	0.00100	MS	11/22/2010	22:27	M01122A, ge
	Barium	-0.00002	+/-0.01000	U	0.00011	0.01000	MS	11/22/2010	22:27	M01122A, ge
	Beryllium	0.00001	+/-0.00100	U	0.00008	0.00100	MS	11/22/2010	22:27	M01122A, ge
	Cadmium	-0.00014	+/-0.00100	J	0.00007	0.00100	MS	11/22/2010	22:27	M01122A, ge
	Calcium	0.03285	+/-0.10000	J	0.01326	0.10000	MS	11/22/2010	22:27	M01122A, ge
	Chromium	0.00034	+/-0.00200	J	0.00022	0.00200	MS	11/22/2010	22:27	M01122A, ge
	Cobalt	0.00000	+/-0.00050	U	0.00002	0.00050	MS	11/22/2010	22:27	M01122A, ge
	Copper	-0.00006	+/-0.00200	U	0.00033	0.00200	MS	11/22/2010	22:27	M01122A, ge
	Iron	0.00354	+/-0.05000	U	0.00354	0.05000	MS	11/22/2010	22:27	M01122A, ge
	Lead	0.00030	+/-0.00100	J	0.00004	0.00100	MS	11/22/2010	22:27	M01122A, ge
	Magnesium	0.00269	+/-0.10000	J	0.00187	0.10000	MS	11/22/2010	22:27	M01122A, ge
	Manganese	0.00002	+/-0.00050	U	0.00010	0.00050	MS	11/22/2010	22:27	M01122A, ge
	Nickel	0.00001	+/-0.00100	U	0.00011	0.00100	MS	11/22/2010	22:27	M01122A, ge
	Potassium	0.00361	+/-0.10000	U	0.03155	0.10000	MS	11/22/2010	22:27	M01122A, ge
	Selenium	0.00084	+/-0.00500	J	0.00050	0.00500	MS	11/22/2010	22:27	M01122A, ge
	Silver	0.00000	+/-0.00100	U	0.00004	0.00100	MS	11/22/2010	22:27	M01122A, ge
	Sodium	0.04867	+/-0.10000	J	0.01369	0.10000	MS	11/22/2010	22:27	M01122A, ge
	Thallium	0.00000	+/-0.00100	U	0.00002	0.00100	MS	11/22/2010	22:27	M01122A, ge
	Vanadium	0.00040	+/-0.00100	J	0.00008	0.00100	MS	11/22/2010	22:27	M01122A, ge
	Zinc	0.00060	+/-0.00500	U	0.00065	0.00500	MS	11/22/2010	22:27	M01122A, ge

Test America Pittsburgh

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LEO BRAUSCH **SDG No.:** C0K030562

Instrument: ICPMS

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run
CCB7			CCB7							
	Aluminum	0.00028	+/-0.03000	U	0.00285	0.03000	MS	11/23/2010	00:26	M01122A, ge
	Antimony	0.00012	+/-0.00200	J	0.00003	0.00200	MS	11/23/2010	00:26	M01122A, ge
	Arsenic	0.00013	+/-0.00100	U	0.00018	0.00100	MS	11/23/2010	00:26	M01122A, ge
	Barium	-0.00003	+/-0.01000	U	0.00011	0.01000	MS	11/23/2010	00:26	M01122A, ge
	Beryllium	0.00001	+/-0.00100	U	0.00008	0.00100	MS	11/23/2010	00:26	M01122A, ge
	Cadmium	-0.00013	+/-0.00100	J	0.00007	0.00100	MS	11/23/2010	00:26	M01122A, ge
	Calcium	0.02129	+/-0.10000	J	0.01326	0.10000	MS	11/23/2010	00:26	M01122A, ge
	Chromium	0.00027	+/-0.00200	J	0.00022	0.00200	MS	11/23/2010	00:26	M01122A, ge
	Cobalt	0.00000	+/-0.00050	U	0.00002	0.00050	MS	11/23/2010	00:26	M01122A, ge
	Copper	-0.00012	+/-0.00200	U	0.00033	0.00200	MS	11/23/2010	00:26	M01122A, ge
	Iron	0.00758	+/-0.05000	J	0.00354	0.05000	MS	11/23/2010	00:26	M01122A, ge
	Lead	0.00011	+/-0.00100	J	0.00004	0.00100	MS	11/23/2010	00:26	M01122A, ge
	Magnesium	0.00314	+/-0.10000	J	0.00187	0.10000	MS	11/23/2010	00:26	M01122A, ge
	Manganese	0.00009	+/-0.00050	U	0.00010	0.00050	MS	11/23/2010	00:26	M01122A, ge
	Nickel	-0.00002	+/-0.00100	U	0.00011	0.00100	MS	11/23/2010	00:26	M01122A, ge
	Potassium	-0.00536	+/-0.10000	U	0.03155	0.10000	MS	11/23/2010	00:26	M01122A, ge
	Selenium	0.00099	+/-0.00500	J	0.00050	0.00500	MS	11/23/2010	00:26	M01122A, ge
	Silver	0.00000	+/-0.00100	U	0.00004	0.00100	MS	11/23/2010	00:26	M01122A, ge
	Sodium	0.01644	+/-0.10000	J	0.01369	0.10000	MS	11/23/2010	00:26	M01122A, ge
	Thallium	0.00001	+/-0.00100	U	0.00002	0.00100	MS	11/23/2010	00:26	M01122A, ge
	Vanadium	-0.00014	+/-0.00100	J	0.00008	0.00100	MS	11/23/2010	00:26	M01122A, ge
	Zinc	-0.00032	+/-0.00500	U	0.00065	0.00500	MS	11/23/2010	00:26	M01122A, ge
ICB1			ICB1							
	Sodium	-0.02988	+/-0.10000	J	0.01369	0.10000	MS	11/23/2010	20:34	M01123A, ge
	Zinc	-0.00062	+/-0.00500	U	0.00065	0.00500	MS	11/23/2010	20:34	M01123A, ge
CCB1			CCB1							
	Sodium	-0.03085	+/-0.10000	J	0.01369	0.10000	MS	11/23/2010	21:01	M01123A, ge
	Zinc	-0.00065	+/-0.00500	J	0.00065	0.00500	MS	11/23/2010	21:01	M01123A, ge
CCB2			CCB2							
	Sodium	-0.03540	+/-0.10000	J	0.01369	0.10000	MS	11/23/2010	22:07	M01123A, ge
	Zinc	-0.00053	+/-0.00500	U	0.00065	0.00500	MS	11/23/2010	22:07	M01123A, ge

Test America Pittsburgh

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LEO BRAUSCH **SDG No.:** C0K030562

Instrument: ICPMS

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run

TestAmerica Pittsburgh

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: CVAA **Units:** ug/L

Chart Number: G01116A.PRN

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	ICB1 11/16/2010 8:03 AM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Mercury	253.7	0.2	**0.0**	**B**								

5.22.0

U Result is less than the MDL

B Result is between MDL and RL

Form 3 Equivalent

TestAmerica Pittsburgh

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: CVAA **Units:** ug/L

Chart Number: G01116A.PRN

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB1 11/16/2010 8:07 AM Found	Q	CCB2 11/16/2010 8:28 AM Found	Q	CCB3 11/16/2010 8:48 AM Found	Q	CCB4 11/16/2010 9:08 AM Found	Q	CCB5 11/16/2010 9:30 AM Found	Q
Mercury	253.7	0.2	**0.0**	**B**	**0.0**	**B**	**0.0**	**B**	**0.0**	**B**	**0.0**	**B**

U Result is less than the MDL

B Result is between MDL and RL

Form 3 Equivalent

TestAmerica Pittsburgh

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: CVAA **Units:** ug/L

Chart Number: G01116A.PRN

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB6 11/16/2010 9:50 AM Found	Q	CCB7 11/16/2010 10:06 AM Found	Q	Found	Q	Found	Q	Found	Q
Mercury	253.7	0.2	**0.0**	**B**	**0.0**	**B**						

5.22.0

U Result is less than the MDL

B Result is between MDL and RL

Form 3 Equivalent

Test America Pittsburgh

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INTERFERENCE CHECK SAMPLE

Client: LEO BRAUSCH **SDG No.:** C0K030562

ICS Source: EPA **Instrument ID:** ICPMS

Sample ID Analyte	WL/Mass	Result mg/L	Qual	True Value mg/L	% Recovery	Acceptance Window	Analysis Date	Analysis Time	Run Number
ICSA MET5573-10									
Aluminum	27Al	95.41000		100.00000	95.4	50 - 150%	11/22/2010	17:44	M01122A, g
Antimony	121Sb	0.00031				0.0 - 0.0	11/22/2010	17:44	M01122A, g
Arsenic	75As	0.00003				0.0 - 0.0	11/22/2010	17:44	M01122A, g
Barium	137Ba	0.00018				0.0 - 0.0	11/22/2010	17:44	M01122A, g
Beryllium	9Be	-0.00001				0.0 - 0.0	11/22/2010	17:44	M01122A, g
Cadmium	111Cd	0.00040				0.0 - 0.0	11/22/2010	17:44	M01122A, g
Calcium	44Ca	93.91000		100.00000	93.9	50 - 150%	11/22/2010	17:44	M01122A, g
Chromium	52Cr	0.00007				0.0 - 0.0	11/22/2010	17:44	M01122A, g
Cobalt	59Co	0.00021				0.0 - 0.0	11/22/2010	17:44	M01122A, g
Copper	65Cu	0.00114				0.0 - 0.0	11/22/2010	17:44	M01122A, g
Iron	56Fe	94.82001		100.00000	94.8	50 - 150%	11/22/2010	17:44	M01122A, g
Lead	208Pb	0.00016				0.0 - 0.0	11/22/2010	17:44	M01122A, g
Magnesium	26Mg	96.98000		100.00000	97.0	50 - 150%	11/22/2010	17:44	M01122A, g
Manganese	55Mn	0.00021				0.0 - 0.0	11/22/2010	17:44	M01122A, g
Nickel	60Ni	0.00038				0.0 - 0.0	11/22/2010	17:44	M01122A, g
Potassium	39K	93.17001		100.00000	93.2	50 - 150%	11/22/2010	17:44	M01122A, g
Selenium	82Se	-0.00009				0.0 - 0.0	11/22/2010	17:44	M01122A, g
Silver	107Ag	0.00044				0.0 - 0.0	11/22/2010	17:44	M01122A, g
Sodium	23Na	93.64001		100.00000	93.6	50 - 150%	11/22/2010	17:44	M01122A, g
Thallium	205Tl	0.00001				0.0 - 0.0	11/22/2010	17:44	M01122A, g
Vanadium	51V	-0.00033				0.0 - 0.0	11/22/2010	17:44	M01122A, g
Zinc	66Zn	0.00501				0.0 - 0.0	11/22/2010	17:44	M01122A, g

Test America Pittsburgh

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INTERFERENCE CHECK SAMPLE

Client: LEO BRAUSCH **SDG No.:** C0K030562

ICS Source: EPA **Instrument ID:** ICPMS

Sample ID / Analyte	WL/Mass	Result mg/L	Qual	True Value mg/L	% Recovery	Acceptance Window	Analysis Date	Analysis Time	Run Number
ICSAB MET5574-10									
Aluminum	27Al	102.73330		100.00000	102.7	80 - 120%	11/22/2010	17:49	M01122A, g
Antimony	121Sb	0.02078		0.02000	103.9	80 - 120%	11/22/2010	17:49	M01122A, g
Arsenic	75As	0.02001		0.02000	100.0	80 - 120%	11/22/2010	17:49	M01122A, g
Barium	137Ba	0.01944		0.02000	97.2	80 - 120%	11/22/2010	17:49	M01122A, g
Beryllium	9Be	0.01928		0.02000	96.4	80 - 120%	11/22/2010	17:49	M01122A, g
Cadmium	111Cd	0.01993		0.02000	99.6	80 - 120%	11/22/2010	17:49	M01122A, g
Calcium	44Ca	101.43000		100.00000	101.4	80 - 120%	11/22/2010	17:49	M01122A, g
Chromium	52Cr	0.01870		0.02000	93.5	80 - 120%	11/22/2010	17:49	M01122A, g
Cobalt	59Co	0.01880		0.02000	94.0	80 - 120%	11/22/2010	17:49	M01122A, g
Copper	65Cu	0.02042		0.02000	102.1	80 - 120%	11/22/2010	17:49	M01122A, g
Iron	56Fe	102.80000		100.00000	102.8	80 - 120%	11/22/2010	17:49	M01122A, g
Lead	208Pb	0.02194		0.02000	109.7	80 - 120%	11/22/2010	17:49	M01122A, g
Magnesium	26Mg	104.63330		100.00000	104.6	80 - 120%	11/22/2010	17:49	M01122A, g
Manganese	55Mn	0.01936		0.02200	88.0	80 - 120%	11/22/2010	17:49	M01122A, g
Nickel	60Ni	0.01909		0.02000	95.4	80 - 120%	11/22/2010	17:49	M01122A, g
Potassium	39K	101.26670		100.00000	101.3	80 - 120%	11/22/2010	17:49	M01122A, g
Selenium	82Se	0.04965		0.05000	99.3	80 - 120%	11/22/2010	17:49	M01122A, g
Silver	107Ag	0.01942		0.02000	97.1	80 - 120%	11/22/2010	17:49	M01122A, g
Sodium	23Na	101.56670		100.00000	101.6	80 - 120%	11/22/2010	17:49	M01122A, g
Thallium	205Tl	0.02125		0.02000	106.2	80 - 120%	11/22/2010	17:49	M01122A, g
Vanadium	51V	0.01869		0.02000	93.4	80 - 120%	11/22/2010	17:49	M01122A, g
Zinc	66Zn	0.02388		0.02500	95.5	80 - 120%	11/22/2010	17:49	M01122A, g
ICSA MET5573-10									
Sodium	23Na	97.99001		100.00000	98.0	50 - 150%	11/23/2010	20:43	M01123A, g
Zinc	66Zn	0.01167				0.0 - 0.0	11/23/2010	20:43	M01123A, g
ICSAB MET5574-10									
Sodium	23Na	105.60000		100.00000	105.6	80 - 120%	11/23/2010	20:47	M01123A, g
Zinc	66Zn	0.02900		0.02500	116.0	80 - 120%	11/23/2010	20:47	M01123A, g

Test America Pittsburgh
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METHOD DETECTION LIMITS

Client: LEO BRAUSCH **SDG No.:** C0K030562

	Analyte	Mass	MDL ug/L	CRQL ug/L
ICPMS		**MDL Date:**	6/6/2009	
	Aluminum	27	2.8	30
	Antimony	121	0.026	2
	Arsenic	75	0.18	1
	Barium	137	0.1	10
	Beryllium	9	0.075	1
	Cadmium	111	0.070	1
	Calcium	44	13.26	100
	Chromium	52	0.22	2
	Cobalt	59	0.02	0.5
	Copper	65	0.33	2
	Iron	56	3.5	50
	Lead	208	0.038	1
	Magnesium	26	1.9	100
	Manganese	55	0.103	0.5
	Nickel	60	0.1	1
	Potassium	39	31.6	100
	Selenium	82	0.50	5
	Silver	107	0.04	1
	Sodium	23	13.7	100
	Thallium	205	0.020	1
	Vanadium	51	0.08	1
	Zinc	66	0.65	5

TestAmerica Pittsburgh

Metals Data Reporting Form

Instrument Detection Limits

Instrument: CVAA **Units:** ppb

Element	Wavelength	Reporting Limit	MDL	Date of MDL
Mercury	253.700	0.2	0.011	3/23/2009

Test America Pittsburgh

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LINEAR RANGES

Client: LEO BRAUSCH **SDG No.:** C0K030562

Contract: **Lab Code:** STL Pitt **Case No.:** **SAS No.:**

Instrument ID: ICPMS **Date:** 8/8/2010

Analyte	LDR ug/L
Aluminum	450000
Antimony	20000
Arsenic	4500
Barium	13500
Beryllium	9000
Cadmium	13500
Calcium	1250000
Chromium	13500
Cobalt	13500
Copper	20000
Iron	450000
Lead	20000
Magnesium	1250000
Manganese	20000
Nickel	13500
Potassium	450000
Selenium	4500
Silver	2500
Sodium	450000
Thallium	13500
Vanadium	13500
Zinc	20000

TestAmerica Pittsburgh

Metals Data Reporting Form

Linear Dynamic Ranges

Instrument: CVAA **Units:** ppb

Element	Wavelength /Mass	Linear Range	Date of Linear Range
Mercury	253.70	10	10/10/2010

Test America Pittsburgh

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ICP-MS Tune

Lab Name: Test America Pittsburgh Contract:

Lab Code: STL Pitt Case No.: NRAS No.: SDG NO.: C0K030562

ICP-MS Instrument ID: ICPMS Date: 11/22/2010

Element - Mass	Avg. Measured Mass (amu)	Avg. Peak Width at 5% Peak Height (amu)	%RSD
Be_9	9.10218	0.75000	0.7310
Mg_24	23.955041	0.65000	1.1450
Mg_25	24.95583	0.63000	2.1530
Mg_26	25.93259	0.63000	0.7660
Co_59	58.883189	0.69000	0.2720
In_113	112.934404	0.75000	2.5080
In_115	114.91387	0.77000	0.4780
Ce_140	139.935441	0.75000	0.9400
Pb_206	205.964457	0.69000	1.4430
Pb_207	206.965876	0.71000	0.9040
Pb_208	207.966639	0.71000	1.5300

Comments:

Test America Pittsburgh

14 - IN

ICP-MS Tune

Lab Name: Test America Pittsburgh Contract:

Lab Code: STL Pitt Case No.: NRAS No.: SDG NO.: C0K030562

ICP-MS Instrument ID: ICPMS Date: 11/23/2010

Element - Mass	Avg. Measured Mass (amu)	Avg. Peak Width at 5% Peak Height (amu)	%RSD
Be_9	9.10218	0.73000	1.1670
Mg_24	23.975041	0.65000	1.5780
Mg_25	24.95583	0.63000	2.3780
Mg_26	25.93259	0.63000	3.7880
Co_59	58.903189	0.71000	1.1560
In_113	112.934404	0.73000	1.8930
In_115	114.93387	0.79000	1.1160
Ce_140	139.955441	0.79000	1.3930
Pb_206	206.004457	0.73000	1.6000
Pb_207	207.005876	0.71000	1.3420
Pb_208	208.006639	0.71000	1.6240

Comments:

METALS RAW DATA

Sample List

11-23-10

No	Label	Type	Weight	Rack	Row	Col	Height
1	PERFORMANCE REPORT	Instrument Setup	1.000	1	1	1	155
2	STD1 MET6338-10 INT STD	Blank	1.000	0	1	1	155
3	STD2X MET5569-10	Fully Quant Standard	1.000	0	1	2	155
4	STD3X MET5570-10	Fully Quant Standard	1.000	0	1	3	155
5	ICV1 MET5571-10	QC Sample	1.000	0	1	5	155
6	ICB1	QC Sample	1.000	0	1	9	155
7	CRI MET5572-10	QC Sample	1.000	0	1	6	155
8	ICSA MET5573-10	QC Sample	1.000	0	1	7	155
9	ICSAB MET5574-10	QC Sample	1.000	0	1	8	155
10	CCV1-1 MET5575-10	QC Sample	1.000	0	1	4	155
11	CCB1	QC Sample	1.000	0	1	9	155
12	L94NFB	Unknown	1.000	2	2	6	155
13	MAA1GB	Unknown	1.000	1	1	2	155
14	MAA1GC	Unknown	1.000	1	1	3	155
15	MAA1GL	Unknown	1.000	1	1	4	155
16	L95H1/10	Unknown	1.000	1	1	5	155
17	L95H1P50	Unknown	1.000	1	1	6	155
18	MAA1CBF	Unknown	1.000	1	1	7	155
19	MAA1CCF	Unknown	1.000	1	1	8	155
20	L9TWPF/5	Unknown	1.000	1	1	9	155
21	L9TWPP25F	Unknown	1.000	1	1	10	155
22	CCV1-2	QC Sample	1.000	0	1	4	155
23	CCB2	QC Sample	1.000	0	1	9	155
24	L9TWPSF/5	Unknown	1.000	1	1	11	155
25	L9TWPDF/5	Unknown	1.000	1	1	12	155
26	MAA1EB	Unknown	1.000	1	2	1	155
27	MAA1EC	Unknown	1.000	1	2	2	155
28	MAA1EL	Unknown	1.000	1	2	3	155
29	L9TVX/5	Unknown	1.000	1	2	4	155
30	L9TVXP25	Unknown	1.000	1	2	5	155
31	MAA1MB	Unknown	1.000	1	2	6	155
32	MAA1MC	Unknown	1.000	1	2	7	155
33	L9L03/5	Unknown	1.000	1	2	8	155
34	CCV1-3	QC Sample	1.000	0	1	4	155
35	CCB3	QC Sample	1.000	0	1	9	155
36	L9TT8	Unknown	1.000	1	2	9	155
37	L9TT8P5	Unknown	1.000	1	2	10	155
38	L9TT8S	Unknown	1.000	1	2	11	155
39	L9TT8D	Unknown	1.000	1	2	12	155
40	L9TVM	Unknown	1.000	1	3	1	155
41	L9X16	Unknown	1.000	1	3	2	155
42	MAA10B	Unknown	1.000	1	3	3	155
43	MAA10C	Unknown	1.000	1	3	4	155
44	L9HH3	Unknown	1.000	1	3	5	155
45	L9HH6	Unknown	1.000	1	3	6	155
46	CCV1-4	QC Sample	1.000	0	1	4	155
47	CCB4	QC Sample	1.000	0	1	9	155
48	L9HH8	Unknown	1.000	1	3	7	155
49	L9HH9	Unknown	1.000	1	3	8	155
50	L9HJC	Unknown	1.000	1	3	9	155
51	L9HJD	Unknown	1.000	1	3	10	155
52	L9HJF	Unknown	1.000	1	3	11	155
53	L9HJG	Unknown	1.000	1	3	12	155
54	L9L1A	Unknown	1.000	1	4	1	155
55	L9L1E	Unknown	1.000	1	4	2	155
56	L9TVE	Unknown	1.000	1	4	3	155
57	L9TVJ	Unknown	1.000	1	4	4	155
58	CCV1-5	QC Sample	1.000	0	1	4	155
59	CCB5	QC Sample	1.000	0	1	9	155
60	L9X0X	Unknown	1.000	1	4	5	155
61	L9X0XP5	Unknown	1.000	1	4	6	155
62	L9X0XS	Unknown	1.000	1	4	7	155
63	L9X0XD	Unknown	1.000	1	4	8	155
64	L9X1A	Unknown	1.000	1	4	9	155
65	L9X1C	Unknown	1.000	1	4	10	155
66	L9X1E	Unknown	1.000	1	4	11	155
67	L9X1M	Unknown	1.000	1	4	12	155

68	L9X1P	Unknown	1.000	1	5	1	155
69	L9X11	Unknown	1.000	1	5	2	155
70	CCV1-6	QC Sample	1.000	0	1	4	155
71	CCB6	QC Sample	1.000	0	1	9	155
72	L9X12	Unknown	1.000	1	5	3	155
73	L9QC2B	Unknown	1.000	1	5	4	155
74	L9QC2C	Unknown	1.000	1	5	5	155
75	L9FKC	Unknown	1.000	1	5	6	155
76	L9FKN	Unknown	1.000	1	5	7	155
77	L9FKP	Unknown	1.000	1	5	8	155
78	L9FKQ	Unknown	1.000	1	5	9	155
79	L9FKT	Unknown	1.000	1	5	10	155
80	L9FKX	Unknown	1.000	1	5	11	155
81	L9FKXP5	Unknown	1.000	1	5	12	155
82	CCV1-7	QC Sample	1.000	0	1	4	155
83	CCB7	QC Sample	1.000	0	1	9	155
84	L9FKXS	Unknown	1.000	2	1	1	155
85	L9FKXD	Unknown	1.000	2	1	2	155
86	L9FK6	Unknown	1.000	2	1	3	155
87	L9FK9	Unknown	1.000	2	1	4	155
88	L9FLD	Unknown	1.000	2	1	5	155
89	L9FLF	Unknown	1.000	2	1	6	155
90	L9FLK	Unknown	1.000	2	1	7	155
91	L9FLL	Unknown	1.000	2	1	8	155
92	L9FLT	Unknown	1.000	2	1	9	155
93	L9FLW	Unknown	1.000	2	1	10	155
94	CCV1-8	QC Sample	1.000	0	1	4	155
95	CCB8	QC Sample	1.000	0	1	9	155
96	L9FL1	Unknown	1.000	2	1	11	155
97	L9FL3	Unknown	1.000	2	1	12	155
98	L9FL5	Unknown	1.000	2	2	1	155
99	L9FL6	Unknown	1.000	2	2	2	155
100	L9FL7	Unknown	1.000	2	2	3	155
101	L9FMA	Unknown	1.000	2	2	4	155
102	L9L03	Unknown	1.000	2	2	5	155
103	CCV1-9	QC Sample	1.000	0	1	4	155
104	CCB9	QC Sample	1.000	0	1	9	155

Dilution Corrected Concentrations

STD1 MET6338-10 INT STD 11/22/2010 5:16:01 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.000	0.000	0.000	0.000	0.000	-0.000	-0.000	-0.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	0.000	0.000	0.000	0.000	-0.000	0.000	-0.000
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		-0.000	-0.000	0.000	0.000	-0.000	0.000		

STD2X MET5569-10 11/22/2010 5:20:18 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		200.000	100000.000	100000.000	1000.000	100000.000	100000.000	200.000	200.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1000.000	50000.000	200.000	200.000	200.000	200.000	200.000	200.000
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		200.000	200.000	0.055	200.000	200.000	200.000		

STD3X MET5570-10 11/22/2010 5:24:34 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.219	94.560	85.780	7.778	90.980	194.300	0.111	0.285
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.087	111.900	0.186	0.261	0.485	1.662	0.336	0.291
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.303	0.217	200.000	0.591	0.212	0.218		

ICV1 MET5571-10 11/22/2010 5:28:53 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		102.451%	100.301%	101.800%	103.740%	101.520%	98.612%	99.996%	100.295%
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.719%	100.501%	99.536%	100.967%	101.438%	103.770%	100.340%	98.343%
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		99.851%	100.803%	103.637%	103.162%	105.663%	101.943%		

ICB1 11/22/2010 5:36:09 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.006	-4.862	-0.230	-0.747	2.944	4.090	-0.066	-0.033
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.011	2.336	-0.001	-0.002	-0.071	-0.773	0.004	0.256
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.033	-0.016	0.018	-0.037	0.001	-0.016		

CRI MET5572-10 11/22/2010 5:40:31 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		108.128%	99.594%	103.620%	117.215%	103.359%	109.416%	85.634%	93.606%
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		102.671%	119.050%	104.543%	109.219%	103.956%	89.163%	103.662%	95.308%
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		100.776%	99.968%	98.034%	95.632%	112.182%	108.171%		

ICSA MET5573-10 11/22/2010 5:44:51 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.005	93640.000	96980.000	95410.000	93170.000	93910.000	-0.327	0.065
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.209	94820.000	0.206	0.377	1.140	5.011	0.027	-0.092
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.444	0.401	0.311	0.177	0.007	0.164		

ICSAB MET5574-10 11/22/2010 5:49:12 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.428%	101.576%	104.652%	102.723%	101.234%	101.442%	93.439%	93.494%
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		84.172%	102.811%	93.997%	95.458%	102.091%	95.531%	100.068%	99.302%
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		97.091%	99.662%	103.905%	97.181%	106.251%	109.695%		

CCV1-1 MET5575-10 11/22/2010 5:56:27 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.371%	97.407%	99.823%	98.800%	96.473%	95.502%	95.078%	94.726%
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.052%	96.138%	94.973%	95.507%	97.830%	99.099%	94.872%	95.181%
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		95.012%	97.155%	95.811%	94.197%	103.470%	104.605%		

CCB1 11/22/2010 6:03:41 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.018	1.686	0.611	-0.511	11.450	4.719	-0.033	-0.010
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.020	9.313	-0.002	0.004	-0.110	-0.710	0.079	0.247
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.015	-0.084	0.179	-0.042	0.015	-0.015		

L94NFB 11/22/2010 6:08:03 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.004	23.320	8.201	5.898	19.990	19.760	0.017	0.172
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.053	33.460	0.002	0.028	0.258	-0.349	0.027	0.084
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.078	-0.040	0.182	0.050	0.047	0.003		

MAA1GB 11/22/2010 6:12:21 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.007	4.819	-0.164	-0.800	12.940	0.564	0.057	0.193
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.134	2.538	-0.007	-0.014	-0.040	-0.801	0.063	0.605
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.041	-0.021	0.055	-0.041	0.007	-0.021		

MAA1GC 11/22/2010 6:16:37 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		45.020	44630.000	45180.000	1722.000	43410.000	43580.000	432.300	175.900
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		439.900	902.200	439.700	439.300	224.300	467.700	34.290	9.213
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		44.600	44.710	438.100	1714.000	49.850	20.630		

MAA1GL 11/22/2010 6:20:54 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		45.940	45620.000	45470.000	1733.000	43970.000	44510.000	437.200	177.800
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		445.700	910.300	447.800	444.800	226.800	475.500	35.250	8.564
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		45.090	45.260	465.700	1718.000	50.980	20.920		

L95H1/10 11/22/2010 6:28:50 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.018	2768000.000	58.540	43.380	1555.000	337.300	-0.547	74.180
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		28.820	9518.000	0.485	20.290	56.990	73.700	3205.000	1.360
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.152	0.410	2.117	3.073	0.157	43.430		

L95H1P50 11/22/2010 6:33:07 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.004	564600.000	11.840	8.681	357.600	86.670	0.029	15.520
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		5.775	2004.000	0.082	4.410	12.340	14.970	670.700	0.757
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.043	-0.005	0.369	0.590	0.053	8.926		

MAA1CBF 11/22/2010 6:40:20 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.001	54.110	-0.495	-0.870	3.748	9.702	0.005	0.281
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.130	-2.534	-0.007	-0.002	-0.039	-0.747	0.158	-0.961
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.013	-0.067	-0.055	-0.037	0.020	-0.023		

MAA1CCF 11/22/2010 6:44:39 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		46.480	59.980	7.220	1796.000	24.860	366.000	435.700	181.400
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		449.100	910.400	450.500	454.900	239.200	488.500	36.430	10.090
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		46.640	45.580	438.600	1765.000	50.320	20.970		

L9TWPF/5 11/22/2010 6:52:35 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	1287000.000	157500.000	0.195	46470.000	49390.000	-0.552	2.072
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2507.000	499.300	0.140	0.765	0.398	0.597	10.010	6.024
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.022	-0.127	0.134	13.600	0.123	0.016		

L9TWPP25F 11/22/2010 6:56:53 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.013	252300.000	31570.000	-0.398	9398.000	9817.000	0.061	0.768
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		492.300	115.100	0.021	0.190	0.059	-0.409	2.308	2.168
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.008	-0.077	-0.032	2.680	0.054	-0.010		

CCV1-2 11/22/2010 7:04:07 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.587%	98.026%	100.022%	99.018%	96.736%	94.136%	93.929%	93.921%
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		95.202%	96.062%	95.486%	96.508%	97.565%	99.471%	98.557%	99.512%
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		98.304%	98.065%	95.297%	95.017%	103.998%	105.220%		

CCB2 11/22/2010 7:11:23 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.006	10.510	0.574	-0.594	5.271	12.120	-0.058	0.020
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.125	8.054	-0.004	-0.006	-0.108	-0.755	0.125	0.474
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.013	-0.092	0.204	-0.037	0.024	0.019		

L9TWPSF/5 11/22/2010 7:15:43 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8.647	1286000.000	158200.000	356.000	46560.000	49700.000	89.250	36.430
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2616.000	690.200	86.250	85.070	43.480	91.210	16.670	7.805
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		8.650	8.620	90.710	369.200	9.779	4.046		

L9TWPDF/5 11/22/2010 7:20:03 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8.802	1315000.000	159900.000	365.200	47570.000	50300.000	92.160	37.810
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2632.000	687.200	88.630	87.760	44.300	94.180	17.050	8.041
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		9.228	9.193	90.490	385.000	10.830	4.419		

MAA1EB 11/22/2010 7:27:17 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	76.700	0.852	-0.813	9.670	7.374	-0.531	0.272
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.021	5.143	-0.006	-0.016	-0.042	-0.791	0.392	1.203
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.006	-0.081	-0.007	-0.036	0.036	-0.024		

MAA1EC 11/22/2010 7:31:33 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		45.090	106.700	7.173	1784.000	25.350	369.300	438.500	180.400
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		450.500	919.600	454.900	457.500	238.900	473.500	35.140	9.761
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		46.080	45.120	438.000	1765.000	50.850	20.990		

MAA1EL 11/22/2010 7:35:51 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		46.110	64.560	7.609	1788.000	33.250	359.200	439.200	181.100
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		452.400	914.800	454.900	457.300	238.100	480.500	35.680	9.810
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		46.080	44.790	443.000	1763.000	50.900	20.920		

L9TVX/5 11/22/2010 7:43:47 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.040	1216000.000	147300.000	405.000	45060.000	45370.000	1.403	2.662
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1305.000	347.900	0.246	0.570	0.657	1.375	2.607	5.875
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.007	-0.092	0.130	8.818	0.109	0.260		

L9TVXP25 11/22/2010 7:48:04 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.003	242000.000	30260.000	84.200	9162.000	9205.000	-0.172	0.853
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		265.700	83.900	0.043	0.131	0.030	-0.326	0.756	2.592
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.002	-0.073	-0.024	1.785	0.064	0.028		

MAA1MB 11/22/2010 7:56:00 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.008	46.810	0.162	-0.929	8.457	9.844	-0.163	0.379
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.091	2.813	-0.006	-0.009	-0.064	-0.776	0.021	1.019
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.001	-0.083	-0.054	-0.034	0.024	-0.026		

MAA1MC 11/22/2010 8:00:19 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		45.460	45310.000	45990.000	1766.000	44160.000	44180.000	440.300	178.600
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		445.900	903.400	445.500	442.200	228.800	466.800	35.370	9.655
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		45.770	45.330	444.200	1772.000	53.430	22.040		

L9L03/5 11/22/2010 8:08:16 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.004	15410.000	3496.000	81.090	1513.000	9256.000	-0.444	1.567
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		5.064	94.460	0.118	1.016	1.195	4.531	0.477	1.144
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.012	-0.091	0.117	3.605	0.114	0.742		

CCV1-3 11/22/2010 8:15:29 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.168%	98.063%	100.176%	98.967%	97.613%	95.273%	93.930%	94.817%
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.148%	96.501%	96.376%	96.697%	98.606%	100.940%	99.626%	100.978%
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		98.987%	98.532%	96.678%	96.590%	106.655%	107.869%		

CCB3 11/22/2010 8:22:44 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.003	4.218	1.395	-0.549	12.680	16.920	0.013	0.010
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.120	7.128	-0.003	0.006	-0.110	-0.745	0.399	1.787
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.002	-0.077	0.185	-0.032	0.022	0.006		

L9TT8 11/22/2010 8:27:05 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.052	5007000.000	744800.000	1463.000	244300.000	271900.000	6.714	9.078
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		27.760	1292.000	1.300	1.575	2.580	6.094	8.088	28.370
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.025	-0.029	0.606	24.700	0.071	1.160		

L9TT8P5 11/22/2010 8:31:24 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.018	1355000.000	160300.000	320.700	49950.000	51510.000	1.715	3.455
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		5.699	281.400	0.192	0.260	0.706	0.855	2.392	8.659
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.001	-0.095	0.007	5.067	0.021	0.200		

L9TT8S 11/22/2010 8:35:45 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		38.940	5285000.000	816000.000	4202.000	306000.000	335700.000	425.400	171.200
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		447.700	2373.000	391.300	370.100	187.400	423.700	41.410	39.780
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		41.400	42.300	449.100	1774.000	53.800	23.410		

L9TT8D 11/22/2010 8:40:05 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		38.020	5163000.000	759400.000	3969.000	284700.000	311000.000	413.700	166.300
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		431.800	2196.000	380.300	361.400	184.700	409.600	40.580	35.920
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		40.020	39.310	424.000	1704.000	52.350	22.730		

L9TVM 11/22/2010 8:48:01 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.205	5657000.000	758600.000	5308.000	255700.000	282300.000	14.530	14.270
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		112.700	5217.000	2.039	2.519	4.000	16.570	10.140	30.150
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.021	-0.126	0.278	30.180	0.203	4.095		

L9X16 11/22/2010 8:52:18 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.005	1269.000	20.900	1.935	175.100	48.630	-0.244	5.287
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.069	8.797	-0.004	0.102	0.500	0.326	0.643	3.576
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.002	-0.152	0.023	-0.003	0.094	0.012		

MAA10B 11/22/2010 8:59:31 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.009	383.700	7.556	0.186	130.400	25.820	0.063	0.979

Run	Time	55Mn	56Fe	59Co	60Ni	65Cu	66Zn	75As	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.104	-4.212	-0.006	-0.001	0.157	-0.677	0.046	0.774

Run	Time	107Ag	111Cd	121Sb	137Ba	205Tl	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb
x		-0.005	-0.171	-0.067	-0.015	0.023	-0.026

MAA10C 11/22/2010 9:03:48 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		47.130	47280.000	46760.000	1789.000	46360.000	47090.000	453.300	188.100

Run	Time	55Mn	56Fe	59Co	60Ni	65Cu	66Zn	75As	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		465.500	955.500	454.200	447.600	232.000	471.300	34.730	11.810

Run	Time	107Ag	111Cd	121Sb	137Ba	205Tl	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb
x		46.810	46.170	458.400	1827.000	52.080	21.610

L9HH3 11/22/2010 9:11:02 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.694	1675.000	9177.000	13870.000	1649.000	181300.000	26.550	22.540

Run	Time	55Mn	56Fe	59Co	60Ni	65Cu	66Zn	75As	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		451.600	36330.000	10.000	26.990	40.630	152.000	32.380	4.051

Run	Time	107Ag	111Cd	121Sb	137Ba	205Tl	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb
x		0.148	1.071	1.006	654.400	0.659	106.000

L9HH6 11/22/2010 9:15:21 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.784	3380.000	28940.000	66210.000	9154.000	739400.000	134.200	1992.000

Run	Time	55Mn	56Fe	59Co	60Ni	65Cu	66Zn	75As	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		687.800	89840.000	60.800	650.200	2513.000	26080.000	18.260	12.320

Run	Time	107Ag	111Cd	121Sb	137Ba	205Tl	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb
x		154.300	1520.000	17.310	2020.000	2.387	5550.000

CCV1-4 11/22/2010 9:22:35 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.282%	99.619%	99.384%	98.520%	97.888%	96.912%	93.745%	93.889%

Run	Time	55Mn	56Fe	59Co	60Ni	65Cu	66Zn	75As	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.610%	95.733%	95.178%	95.111%	97.048%	101.981%	98.594%	96.704%

Run	Time	107Ag	111Cd	121Sb	137Ba	205Tl	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb
x		98.729%	98.483%	97.044%	96.563%	104.083%	105.122%

CCB4 11/22/2010 9:29:51 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.011	97.550	2.603	-0.685	55.340	29.490	0.164	0.117
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.011	1.041	-0.003	-0.016	-0.104	-0.450	0.139	0.715
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		-0.005	-0.083	0.204	-0.033	0.018	0.091		

L9HH8 11/22/2010 9:34:12 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.303	2968.000	24450.000	55020.000	7414.000	636800.000	107.100	1663.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		581.500	74910.000	50.840	551.700	2129.000	21930.000	15.180	10.200
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		128.900	1265.000	14.720	1747.000	1.955	4667.000		

L9HH9 11/22/2010 9:38:30 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		5.185	3285.000	26850.000	100600.000	8090.000	603400.000	136.800	1119.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		699.900	114600.000	64.310	560.400	1372.000	14520.000	19.830	11.720
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		69.980	851.200	3.027	2714.000	2.662	2516.000		

L9HJC 11/22/2010 9:42:50 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.185	3120.000	23850.000	51420.000	5487.000	1081000.000	72.530	1335.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		585.000	73670.000	53.250	571.100	2133.000	27200.000	11.950	9.976
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		119.800	1681.000	5.525	2374.000	2.263	3766.000		

L9HJD 11/22/2010 9:47:10 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.793	3472.000	30480.000	64920.000	9323.000	1063000.000	107.000	2317.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		687.800	84530.000	55.720	582.400	3085.000	37130.000	19.900	12.820
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		207.600	2096.000	11.150	2607.000	2.829	8261.000		

L9HJF 11/22/2010 9:51:31 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2.585	3110.000	28180.000	57730.000	7786.000	1139000.000	111.700	1970.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		675.600	79810.000	58.190	658.100	3046.000	37850.000	17.230	11.610
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		180.300	2259.000	8.747	2617.000	2.598	6086.000		

L9HJG 11/22/2010 9:55:52 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.955	1862.000	11250.000	15850.000	1774.000	255300.000	31.030	53.470
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		574.800	46000.000	12.450	49.830	51.670	204.400	43.010	5.682
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.200	1.776	1.074	913.500	0.740	143.300		

L9L1A 11/22/2010 10:00:11 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		9.818	3916.000	190600.000	102600.000	17620.000	426600.000	139.700	6869.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4998.000	388700.000	205.500	1842.000	4363.000	21990.000	161.700	25.970
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		163.200	658.000	41.150	3438.000	15.980	7597.000		

L9L1E 11/22/2010 10:04:28 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		16.180	4773.000	183400.000	123500.000	20720.000	416800.000	181.100	8308.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4740.000	388800.000	183.300	2413.000	5766.000	36180.000	263.900	34.510
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		193.500	948.400	50.400	4134.000	27.160	9099.000		

L9TVE 11/22/2010 10:08:46 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4.877	95950.000	33190.000	81420.000	13980.000	68100.000	207.900	159.200
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2418.000	102700.000	25.600	45.240	48.160	209.300	58.290	7.437
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.225	1.120	0.322	120.500	1.054	81.230		

L9TVJ 11/22/2010 10:13:04 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8.462	109600.000	39220.000	149300.000	21270.000	20730.000	330.100	254.100
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1251.000	184100.000	43.050	74.320	67.340	307.700	91.650	10.750
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.382	1.804	0.445	169.800	1.737	132.200		

CCV1-5 11/22/2010 10:20:18 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.232%	96.595%	95.936%	95.858%	98.049%	98.322%	94.773%	96.468%
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.593%	97.909%	97.711%	97.505%	99.825%	105.649%	102.045%	101.493%
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		99.325%	99.318%	97.539%	97.704%	101.918%	103.323%		

CCB5 11/22/2010 10:27:34 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.012	48.670	2.687	-0.413	3.614	32.850	0.400	0.338
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.020	3.535	0.001	0.007	-0.063	0.604	0.219	0.836
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		-0.003	-0.142	0.137	-0.023	0.003	0.297		

L9X0X 11/22/2010 10:31:55 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		6.514	53190.000	55870.000	115300.000	23750.000	23640.000	287.300	322.600
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		2714.000	242900.000	95.950	226.000	297.800	851.500	86.310	10.080
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		7.102	3.906	1.646	356.800	1.580	352.800		

L9X0XP5 11/22/2010 10:36:13 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		1.336	10920.000	11750.000	24070.000	5130.000	5161.000	60.380	67.850
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		555.000	49530.000	19.180	45.480	59.410	170.900	16.360	2.520
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		1.395	0.641	0.223	75.490	0.315	70.180		

L9X0XS 11/22/2010 10:40:32 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		51.260	96040.000	102200.000	160400.000	76250.000	65130.000	753.400	518.200
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3192.000	250700.000	507.300	642.900	509.500	1325.000	117.700	18.390
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		53.160	49.070	254.400	2234.000	56.280	379.400		

L9X0XD 11/22/2010 10:44:52 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		52.600	100900.000	107400.000	174500.000	79370.000	67970.000	793.400	558.600
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3483.000	274800.000	513.100	663.900	540.300	1406.000	128.000	18.700
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		53.980	50.140	238.200	2258.000	56.810	420.900		

L9X1A 11/22/2010 10:49:12 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		7.920	53010.000	72150.000	146900.000	32520.000	683600.000	317.500	346.400
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3339.000	253000.000	98.460	228.800	288.700	1644.000	84.870	9.848
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		6.607	4.312	1.570	548.900	1.702	366.400		

L9X1C 11/22/2010 10:53:32 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8.781	100900.000	78540.000	140000.000	30850.000	56640.000	348.100	997.200
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4529.000	309900.000	108.200	341.300	1285.000	2527.000	141.100	14.940
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		42.600	26.730	3.482	749.100	3.014	1723.000		

L9X1E 11/22/2010 10:57:52 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		9.197	92500.000	91520.000	170000.000	40390.000	775100.000	373.400	954.200
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4963.000	309800.000	114.100	329.300	1150.000	3161.000	135.600	15.320
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		37.390	25.370	3.227	912.700	2.666	1601.000		

L9X1M 11/22/2010 11:02:13 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		7.530	85400.000	67980.000	105100.000	24730.000	81670.000	281.700	487.200
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4602.000	246800.000	89.910	249.700	668.100	1424.000	87.970	10.720
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		17.590	8.597	2.144	592.100	2.134	792.000		

L9X1P 11/22/2010 11:06:33 PM

User Pre dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8.755	82160.000	83720.000	145500.000	36740.000	757400.000	337.400	514.700
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		5206.000	263400.000	101.200	259.300	625.100	2219.000	90.170	11.360
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		16.530	9.882	2.228	817.500	2.252	795.900		

L9X11 11/22/2010 11:10:51 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8.307	78180.000	70900.000	132700.000	27890.000	50100.000	338.900	796.200
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3946.000	297400.000	104.700	322.800	1000.000	2005.000	128.000	13.520
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		30.380	20.050	3.059	672.600	2.539	1334.000		

CCV1-6 11/22/2010 11:18:04 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.294%	98.863%	99.860%	100.756%	100.626%	100.404%	98.214%	99.549%
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.179%	100.144%	100.382%	99.896%	103.444%	107.481%	106.013%	104.109%
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		101.996%	101.733%	100.353%	101.077%	107.255%	109.067%		

CCB6 11/22/2010 11:25:19 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.001	28.450	3.412	-0.001	-4.189	26.040	-0.133	0.349
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.035	7.375	-0.004	0.007	-0.086	0.008	0.255	1.160
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		-0.004	-0.128	0.156	-0.034	0.004	0.184		

L9X12 11/22/2010 11:29:40 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		7.387	61450.000	76430.000	143700.000	33330.000	705300.000	295.100	612.800
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3319.000	216300.000	77.170	214.800	553.400	1658.000	58.850	-0.652
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		23.490	16.070	3.298	780.800	2.003	1071.000		

L9QC2B 11/22/2010 11:36:53 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.002	25.090	2.479	2.850	-5.194	24.610	-0.057	0.298
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.029	17.220	-0.003	0.011	-0.022	0.402	0.293	1.456
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		-0.005	-0.180	-0.063	0.002	0.007	0.094		

L9QC2C 11/22/2010 11:41:12 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		31.880	31830.000	32340.000	1309.000	33160.000	33150.000	330.200	132.800
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		331.900	719.700	332.500	335.200	175.000	363.800	27.510	9.989
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		33.650	33.940	333.600	1349.000	39.400	16.630		

L9FKC 11/22/2010 11:45:31 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		20.490	1639.000	22860.000	148700.000	12670.000	29640.000	255.800	389.700
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8547.000	640900.000	210.300	476.300	760.000	3423.000	223.000	18.000
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		4.643	15.290	13.850	1435.000	4.019	1321.000		

L9FKN 11/22/2010 11:49:51 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		16.990	1963.000	19170.000	127500.000	11740.000	19430.000	238.700	224.300
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8217.000	533000.000	156.500	336.700	676.200	2432.000	185.700	17.000
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		2.377	11.790	12.930	1281.000	3.164	1012.000		

L9FKP 11/22/2010 11:54:11 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		18.090	2022.000	22190.000	137600.000	12850.000	28460.000	249.700	315.800
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		12320.000	581100.000	191.900	405.900	741.600	2992.000	215.800	18.420
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		3.304	16.060	13.560	1402.000	3.716	1219.000		

L9FKQ 11/22/2010 11:58:31 PM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		18.340	1791.000	25060.000	147400.000	13070.000	23720.000	280.000	225.500
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		9039.000	498500.000	222.500	410.400	664.900	2621.000	226.900	16.260
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		2.092	9.747	9.028	1690.000	3.585	882.000		

L9FKT 11/23/2010 12:02:51 AM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		18.040	1766.000	28240.000	156100.000	15890.000	24730.000	300.200	223.900
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		10720.000	507500.000	234.400	435.400	643.300	2521.000	215.900	16.230
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		1.792	7.884	8.837	1809.000	3.529	805.200		

L9FKX 11/23/2010 12:07:12 AM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		17.900	1178.000	28700.000	136000.000	14870.000	41400.000	245.800	338.100
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		18430.000	434000.000	336.600	622.300	522.000	3096.000	135.000	17.170
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		5.382	13.480	4.658	1566.000	3.704	656.800		

L9FKXP5 11/23/2010 12:11:33 AM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3.567	262.600	5968.000	28060.000	3203.000	8977.000	50.420	69.760
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		3638.000	85140.000	64.950	119.200	97.490	579.600	22.710	1.334
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		1.065	2.510	0.943	337.500	0.773	129.600		

CCV1-7 11/23/2010 12:18:49 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.533%	93.982%	95.966%	97.813%	97.932%	97.795%	96.438%	96.478%
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.409%	96.501%	96.967%	97.866%	99.548%	103.271%	102.188%	101.045%
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		99.174%	99.013%	97.795%	96.832%	105.026%	106.756%		

CCB7 11/23/2010 12:26:05 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.009	16.440	3.142	0.278	-5.358	21.290	-0.137	0.273
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.087	7.578	0.003	-0.015	-0.117	-0.318	0.126	0.994
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		-0.001	-0.132	0.123	-0.027	0.006	0.111		

L9FKXS 11/23/2010 12:30:26 AM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		64.770	42700.000	74690.000	224000.000	69650.000	80660.000	751.000	565.200
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		18030.000	438300.000	757.200	1053.000	732.700	3526.000	177.900	26.590
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		49.860	59.400	264.100	3445.000	58.100	716.000		

L9FKXD 11/23/2010 12:34:45 AM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		63.010	42790.000	74560.000	214100.000	67580.000	81780.000	740.500	556.400
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		18380.000	433200.000	749.300	1036.000	715.800	3439.000	174.500	26.830
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		49.150	59.900	261.800	3373.000	58.700	685.400		

L9FK6 11/23/2010 12:39:03 AM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		17.250	1006.000	29660.000	126200.000	12530.000	49500.000	232.100	330.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		18420.000	421700.000	330.300	622.900	486.700	3224.000	136.600	17.540
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		3.299	12.920	4.804	1526.000	3.560	646.100		

L9FK9 11/23/2010 12:43:23 AM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		19.590	1166.000	34030.000	155400.000	15650.000	50570.000	264.500	373.600
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		21950.000	456500.000	386.400	702.900	565.400	3731.000	148.400	20.420
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		4.338	15.230	4.893	1781.000	3.771	743.300		

L9FLD 11/23/2010 12:47:42 AM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		20.400	1133.000	33900.000	155200.000	15310.000	50570.000	263.500	399.300
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		22350.000	474600.000	423.800	746.700	584.600	4066.000	151.400	21.100
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		5.022	16.560	4.919	1821.000	3.835	821.900		

L9FLF 11/23/2010 12:52:02 AM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		19.470	1160.000	31860.000	146300.000	15150.000	48700.000	259.000	367.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		19950.000	469600.000	406.600	715.400	581.600	3837.000	145.600	18.970
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		5.508	15.730	5.786	1693.000	3.933	784.400		

L9FLK 11/23/2010 12:56:22 AM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		16.300	1091.000	26020.000	118600.000	12260.000	39690.000	223.800	313.800
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		18070.000	427300.000	324.300	590.400	495.200	2925.000	129.800	16.850
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		2.788	12.670	4.412	1428.000	3.213	604.900		

L9FLL 11/23/2010 1:00:42 AM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		22.370	2786.000	143400.000	148700.000	18520.000	622300.000	194.600	282.800
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		17560.000	386500.000	173.300	406.900	281.700	1975.000	92.050	14.720
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		1.368	6.797	2.776	1538.000	2.373	393.900		

L9FLT 11/23/2010 1:05:03 AM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		19.530	2030.000	30580.000	137000.000	14010.000	62720.000	273.100	608.900
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		16950.000	637900.000	341.700	743.800	670.700	5551.000	189.300	20.180
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		5.734	19.840	6.771	1694.000	4.212	1211.000		

L9FLW 11/23/2010 1:09:24 AM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		16.920	2123.000	24000.000	133800.000	13230.000	21950.000	264.300	419.200
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		8516.000	530100.000	241.000	458.700	634.600	3257.000	257.100	15.040
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		2.342	13.640	8.483	1534.000	3.303	924.200		

CCV1-8 11/23/2010 1:16:40 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.380%	92.253%	94.566%	97.519%	97.372%	97.402%	97.963%	98.313%
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.770%	97.636%	98.218%	98.850%	102.335%	103.795%	102.588%	103.180%
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		99.288%	98.219%	95.605%	96.261%	105.049%	106.718%		

CCB8 11/23/2010 1:23:57 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.006	7.112	3.501	0.399	-8.612	18.330	0.078	0.139
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.129	9.720	0.003	-0.023	-0.120	-0.504	0.010	-0.434
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		-0.005	-0.186	0.125	-0.025	0.004	0.084		

L9FL1 11/23/2010 1:28:20 AM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		17.210	2355.000	21240.000	128600.000	12260.000	19540.000	248.500	272.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		6560.000	463200.000	223.300	420.200	606.700	3047.000	178.700	15.240
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		2.554	13.440	8.504	1411.000	3.223	935.600		

L9FL3 11/23/2010 1:32:42 AM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		15.620	2341.000	18880.000	109500.000	10490.000	17830.000	223.700	256.200
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		6749.000	427200.000	208.000	378.900	585.300	2546.000	177.000	14.610
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		1.967	11.470	6.946	1355.000	2.802	793.800		

L9FL5 11/23/2010 1:37:02 AM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		14.200	2533.000	25710.000	120300.000	14070.000	18710.000	251.400	212.200
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		5145.000	393700.000	225.800	395.200	428.200	2352.000	148.800	12.740
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		1.260	11.870	4.397	1647.000	2.799	615.200		

L9FL6 11/23/2010 1:41:20 AM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		12.260	816.800	25750.000	132600.000	11690.000	15720.000	251.800	196.600
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		7785.000	364500.000	153.800	275.100	206.800	928.800	100.100	9.351
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.519	3.476	1.769	1529.000	2.072	215.500		

L9FL7 11/23/2010 1:45:39 AM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		11.220	784.200	23350.000	122300.000	11010.000	15610.000	237.900	183.100
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		9134.000	333700.000	140.500	251.200	184.900	851.000	98.900	9.042
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.442	2.979	1.689	1413.000	1.845	191.100		

L9FMA 11/23/2010 1:49:59 AM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		13.110	818.300	27900.000	139400.000	11960.000	19520.000	264.800	206.000
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		11860.000	384800.000	165.200	288.000	213.000	960.900	112.900	10.550
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.542	3.433	1.899	1630.000	2.153	219.200		

L9L03 11/23/2010 1:54:19 AM

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.043	73880.000	17220.000	355.000	7724.000	48900.000	1.407	4.948
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		26.830	529.600	0.541	5.545	6.970	26.560	3.176	3.168
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.052	0.092	0.589	18.880	0.043	4.295		

CCV1-9 11/23/2010 2:02:16 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.023%	91.425%	93.771%	98.077%	97.087%	96.911%	98.451%	97.869%
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.466%	97.047%	98.661%	98.437%	102.874%	103.666%	103.318%	101.098%
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		99.622%	98.877%	97.561%	98.083%	105.260%	106.731%		

CCB9 11/23/2010 2:10:16 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

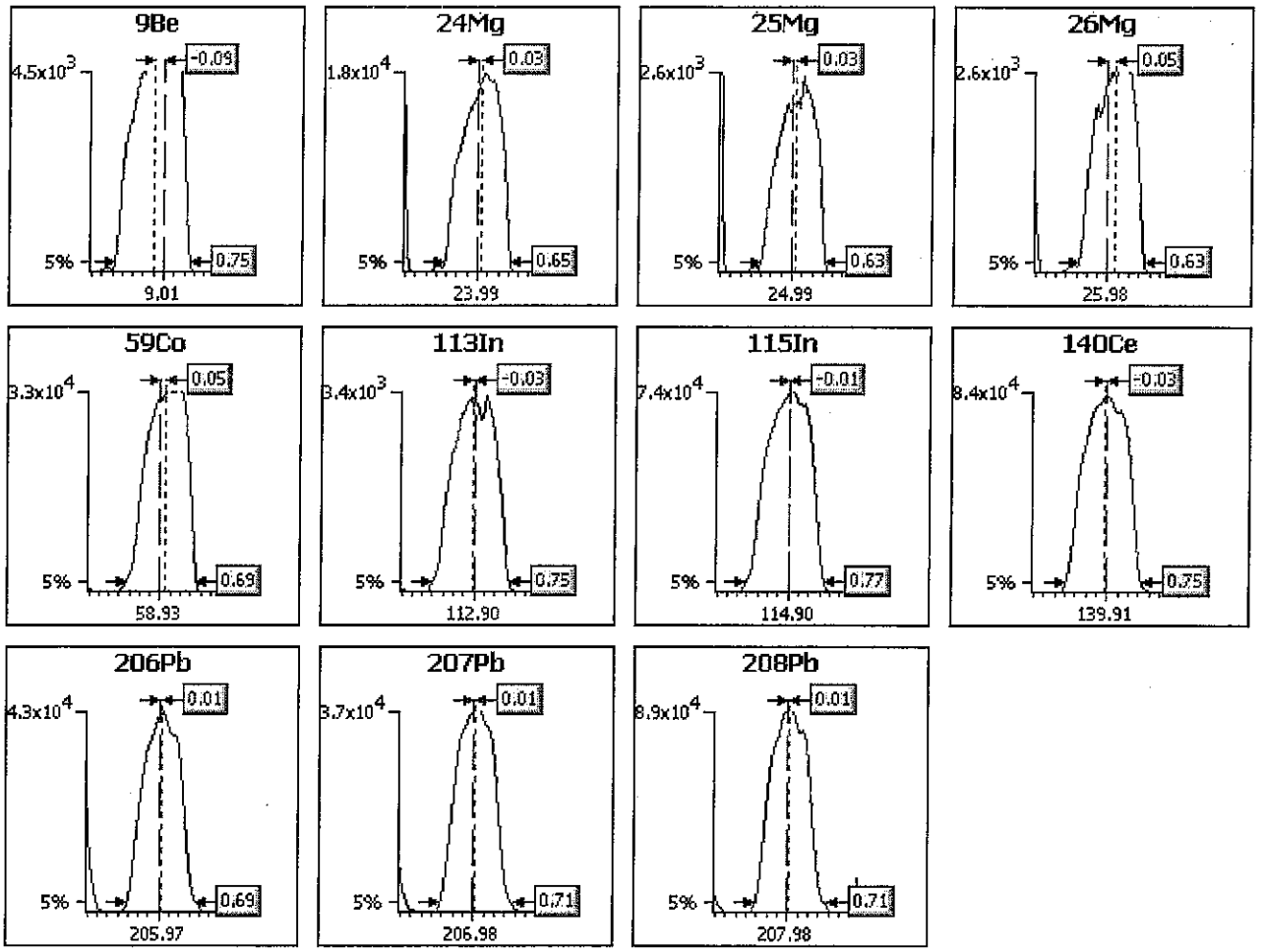
Run	Time	9Be	23Na	26Mg	27Al	39K	44Ca	51V	52Cr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.008	2.368	4.158	0.585	-11.680	13.800	0.026	0.174
Run	**Time**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**	**66Zn**	**75As**	**82Se**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.156	2.705	0.000	0.004	-0.116	-0.622	-0.292	-1.506
Run	**Time**	**107Ag**	**111Cd**	**121Sb**	**137Ba**	**205Tl**	**208Pb**		
		ppb	ppb	ppb	ppb	ppb	ppb		
x		0.001	-0.209	0.074	-0.012	0.002	0.053		

Performance Report

Sample details
Sample name : PERFORMANCE REPORT
Acquired at : 11/22/2010 4:53:24 PM
Report name : EPA ILMO5.2/6020A 2.1 [9/26/2009 3:21:00 PM]

Mass Calibration verification

Acquisition parameters
Sweeps : 25
Dwell : 2.0 mSecs
Point spacing : 0.02 amu
Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.90	0.45	0.10	0.75	-0.09
24Mg	0.90	0.45	0.10	0.65	0.03
25Mg	0.90	0.45	0.10	0.63	0.03
26Mg	0.90	0.45	0.10	0.63	0.05
59Co	0.90	0.45	0.10	0.69	0.05
113In	0.90	0.45	0.10	0.75	-0.03
115In	0.90	0.45	0.10	0.77	-0.01
140Ce	0.90	0.45	0.10	0.75	-0.03
206Pb	0.90	0.45	0.10	0.69	0.01
207Pb	0.90	0.45	0.10	0.71	0.01
208Pb	0.90	0.45	0.10	0.71	0.01

Sample details
Sample name : PERFORMANCE REPORT
Acquired at : 11/22/2010 4:53:24 PM
Report name : EPA ILMO5.2/6020A 2.1 [9/26/2009 3:21:00 PM]

Tune conditions

Major	
Extraction	-161
Lens 1	2.9
Focus	24.3
D1	-36.9
Pole Bias	2.0
Hexapole Bias	-4.0
Nebuliser	0.72
Sampling Depth	150

Minor	
Lens 2	-25.9
Lens 3	-187.5
Forward power	1349
Horizontal	103
Vertical	302
D2	-151
DA	-54.1
Cool	15.0
Auxiliary	0.80

Global	
Standard resolution	n/a
High resolution	n/a
Analogue Detector	n/a
PC Detector	n/a

Add. Gases	
He/H2	0.00
He/NH3	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 150

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	56Ar O	59Co	137Ba++
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	-	5.0%	-
	Countrate	-	>1000	>1000	>1000	>1000	-	>10000	-
1	4:54:13 PM	0	4140	15294	2141	2508	70663	32051	2
2	4:55:38 PM	0	4159	15264	2101	2539	61129	32135	0
3	4:57:03 PM	0	4106	15368	2172	2539	57909	32191	1
4	4:58:28 PM	0	4105	15373	2208	2562	56352	31996	1
5	4:59:53 PM	0	4085	15705	2212	2544	56069	31993	0
x		0	4119	15401	2167	2538	60424	32073	1
σ		0.09	30.09	176.40	46.65	19.45	6066.71	87.38	0.82
%RSD		72.436	0.731	1.145	2.153	0.766	10.040	0.272	122.474

Run	Time	138Ba++	101Bkg	113In	115In	138Ba	140Ce	156Ce O	206Pb
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	-	5.0%	5.0%	-	5.0%	-	5.0%
	Countrate	-	-	>200	>10000	-	>10000	-	>1000
1	4:54:13 PM	7	0	3202	72625	531	81679	1110	42206
2	4:55:38 PM	8	0	3046	71913	394	82629	1114	42068
3	4:57:03 PM	6	0	3148	72319	434	83009	1118	42534
4	4:58:28 PM	5	0	3110	72729	461	83471	1096	43390
5	4:59:53 PM	8	0	3250	72708	441	83627	1113	43311
x		7	0	3151	72459	452	82883	1110	42702
σ		1.43	0.06	79.03	346.21	50.23	779.25	8.45	616.31
%RSD		21.539	34.401	2.508	0.478	11.110	0.940	0.761	1.443

Run	Time	207Pb	208Pb	220Bkg
Dwell (mSecs)		0.0	0.0	0.0
Limits	%RSD	5.0%	5.0%	-
	Countrate	>1000	>5000	<100
1	4:54:13 PM	37219	90049	0
2	4:55:38 PM	37237	90362	0
3	4:57:03 PM	37516	91144	0
4	4:58:28 PM	37788	92448	0
5	4:59:53 PM	37992	93349	0
x		37550	91470	0
σ		339.44	1399.92	0.07
%RSD		0.904	1.530	60.858

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0500
1	4:54:13 PM	0
2	4:55:38 PM	0

3	4:57:03 PM	0
4	4:58:28 PM	0
5	4:59:53 PM	0
x		0.0134
σ		0.00
%RSD		1.3444

Result : The performance report passed.

Dilution Corrected Concentrations

STD1 MET6338-10 INT STD 11/22/2010 5:16:01 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:16:44	99.222%	0.000	0.041	-0.016	0.000	0.210	-0.073	-0.013
2	17:17:27	100.560%	0.007	-0.220	0.007	0.000	-0.235	-0.312	-0.024
3	17:18:10	100.219%	-0.007	0.179	0.009	0.000	0.024	0.384	0.038
x		100.000%	-0.000	0.000	0.000	0.000	0.000	0.000	0.000
σ		0.695%	0.007	0.203	0.014	0.000	0.223	0.354	0.033
%RSD		0.695	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:16:44	0.022	0.070	0.000	-0.178	5.350	-0.693	99.756%	0.062
2	17:17:27	-0.058	-0.200	0.000	0.207	-2.693	1.137	100.589%	0.023
3	17:18:10	0.036	0.130	0.000	-0.028	-2.657	-0.444	99.655%	-0.085
x		0.000	0.000	0.000	0.000	0.000	-0.000	100.000%	-0.000
σ		0.051	0.176	0.000	0.194	4.634	0.992	0.512%	0.076
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.512	0.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:16:44	0.021	0.003	-0.019	0.877	-0.573	0.001	-0.007	0.018
2	17:17:27	-0.013	0.004	0.009	-0.102	0.593	0.001	-0.008	-0.007
3	17:18:10	-0.008	-0.008	0.010	-0.775	-0.019	-0.001	0.016	-0.010
x		-0.000	-0.000	0.000	0.000	-0.000	0.000	0.000	0.000
σ		0.018	0.007	0.016	0.831	0.583	0.001	0.014	0.015
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:16:44	0.013	0.079	0.089	0.035	0.305	0.077	0.000	-0.002
2	17:17:27	-0.011	-0.047	-0.024	-0.013	-0.102	0.118	0.000	0.000
3	17:18:10	-0.002	-0.031	-0.064	-0.023	-0.202	-0.195	0.000	0.002
x		0.000	-0.000	0.000	0.000	0.000	-0.000	0.000	0.000
σ		0.012	0.068	0.079	0.031	0.269	0.170	0.000	0.002
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:16:44	98.123%	0.008	-0.003	98.546%	-0.007	-0.005	-0.056	-0.033
2	17:17:27	100.875%	-0.011	-0.008	100.321%	0.009	0.003	0.065	0.037
3	17:18:10	101.001%	0.003	0.011	101.133%	-0.002	0.001	-0.009	-0.003
x		100.000%	0.000	-0.000	100.000%	-0.000	0.000	-0.000	-0.000
σ		1.626%	0.010	0.010	1.323%	0.008	0.004	0.061	0.035
%RSD		1.626	0.000	0.000	1.323	0.000	0.000	0.000	0.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:16:44	98.749%	0.115	-0.003	0.001	0.015	0.019	98.330%	97.658%
2	17:17:27	100.406%	-0.005	0.013	-0.014	-0.014	-0.002	100.576%	101.046%
3	17:18:10	100.845%	-0.109	-0.009	0.013	-0.001	-0.018	101.095%	101.296%
x		100.000%	0.000	0.000	-0.000	-0.000	0.000	100.000%	100.000%
σ		1.106%	0.112	0.011	0.014	0.014	0.018	1.470%	2.032%
%RSD		1.106	0.000	0.000	0.000	0.000	0.000	1.470	2.032

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:16:44	-0.000	0.003	-0.018	0.008	-0.007	99.847%
2	17:17:27	-0.000	-0.000	0.002	-0.015	0.006	100.117%
3	17:18:10	0.001	-0.002	0.015	0.007	0.001	100.035%
x		0.000	-0.000	-0.000	-0.000	0.000	100.000%
σ		0.000	0.002	0.017	0.013	0.006	0.138%
%RSD		0.000	0.000	0.000	0.000	0.000	0.138

STD2X MET5569-10 11/22/2010 5:20:18 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:00	79.284%	198.300	0.400	0.564	0.000	99050.000	98540.000	98420.000
2	17:21:43	77.862%	200.200	0.513	0.423	0.000	100100.000	100000.000	100400.000
3	17:22:26	75.835%	201.500	0.159	0.626	0.000	100900.000	101400.000	101100.000
x		77.660%	200.000	0.357	0.538	0.000	100000.000	100000.000	100000.000
σ		1.733%	1.601	0.180	0.104	0.000	903.300	1442.000	1416.000
%RSD		2.232	0.801	50.520	19.320	0.000	0.903	1.442	1.416

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:00	989.900	8.638	0.000	99470.000	99710.000	97530.000	78.379%	0.030
2	17:21:43	1000.000	7.927	0.000	100600.000	100800.000	98470.000	76.182%	0.159
3	17:22:26	1010.000	8.292	0.000	99930.000	99500.000	104000.000	75.896%	0.330
x		1000.000	8.286	0.000	100000.000	100000.000	100000.000	76.819%	0.173
σ		10.020	0.356	0.000	570.500	695.500	3490.000	1.359%	0.150
%RSD		1.002	4.291	0.000	0.571	0.696	3.490	1.769	86.830

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:00	198.600	198.100	985.800	49370.000	49480.000	199.100	198.300	198.600
2	17:21:43	202.500	200.000	1001.000	50130.000	50110.000	200.300	200.000	199.500
3	17:22:26	199.000	201.900	1013.000	50500.000	50420.000	200.600	201.600	201.900
x		200.000	200.000	1000.000	50000.000	50000.000	200.000	200.000	200.000
σ		2.152	1.855	13.500	573.700	478.200	0.758	1.642	1.725
%RSD		1.076	0.927	1.350	1.147	0.957	0.379	0.821	0.862

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:00	196.900	197.700	197.600	198.000	198.900	197.000	0.000	199.700
2	17:21:43	199.000	200.200	201.800	200.900	197.600	200.100	0.000	200.000
3	17:22:26	204.000	202.200	200.600	201.100	203.400	202.900	0.000	200.300
x		200.000	200.000	200.000	200.000	200.000	200.000	0.000	200.000
σ		3.663	2.265	2.174	1.748	3.031	2.918	0.000	0.320
%RSD		1.832	1.133	1.087	0.874	1.516	1.459	0.000	0.160

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:00	77.302%	0.068	0.038	74.444%	198.900	199.300	196.000	197.900
2	17:21:43	76.973%	0.046	0.036	73.720%	201.000	199.800	201.300	199.400
3	17:22:26	76.042%	0.133	0.032	73.312%	200.100	200.900	202.800	202.800
x		76.772%	0.082	0.035	73.826%	200.000	200.000	200.000	200.000
σ		0.653%	0.045	0.003	0.573%	1.039	0.833	3.573	2.513
%RSD		0.851	54.900	9.384	0.777	0.519	0.416	1.787	1.256

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:00	77.044%	0.087	0.041	0.056	199.800	198.100	80.430%	81.651%
2	17:21:43	75.882%	0.038	0.061	0.070	199.200	200.500	80.012%	81.280%
3	17:22:26	75.211%	0.080	0.062	0.063	201.000	201.400	80.068%	81.188%
x		76.045%	0.068	0.055	0.063	200.000	200.000	80.170%	81.373%
σ		0.928%	0.026	0.012	0.007	0.951	1.726	0.227%	0.245%
%RSD		1.220	38.460	22.280	11.180	0.475	0.863	0.283	0.301

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:21:00	192.000	190.800	191.100	190.200	190.300	91.108%
2	17:21:43	200.400	201.200	200.800	200.900	200.900	86.273%
3	17:22:26	207.600	208.100	208.000	208.900	208.700	82.858%
x		200.000	200.000	200.000	200.000	200.000	86.747%
σ		7.799	8.686	8.476	9.340	9.216	4.145%
%RSD		3.900	4.343	4.238	4.670	4.608	4.779

STD3X MET5570-10 11/22/2010 5:24:34 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:17	81.267%	0.310	197.500	199.400	0.000	94.160	88.280	86.110
2	17:26:00	81.554%	0.192	199.800	201.000	0.000	95.100	92.210	86.650
3	17:26:43	82.451%	0.155	202.700	199.700	0.000	94.410	86.500	84.580
x		81.758%	0.219	200.000	200.000	0.000	94.560	89.000	85.780
σ		0.618%	0.081	2.571	0.834	0.000	0.487	2.919	1.071
%RSD		0.756	36.950	1.286	0.417	0.000	0.515	3.280	1.249

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:17	7.898	9992.000	0.000	95.040	81.980	199.900	83.464%	201.100
2	17:26:00	7.733	10030.000	0.000	89.150	80.290	189.900	85.167%	197.700
3	17:26:43	7.702	9982.000	0.000	88.740	63.760	193.100	85.213%	201.200
x		7.778	10000.000	0.000	90.980	75.340	194.300	84.615%	200.000
σ		0.105	22.870	0.000	3.524	10.070	5.144	0.997%	1.954
%RSD		1.352	0.229	0.000	3.873	13.360	2.647	1.178	0.977

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:17	0.142	0.286	1.114	157.900	151.700	0.202	0.259	0.410
2	17:26:00	-0.003	0.246	1.055	97.150	87.100	0.182	0.236	0.335
3	17:26:43	0.192	0.325	1.092	80.760	68.270	0.172	0.287	0.399
x		0.111	0.285	1.087	111.900	102.300	0.186	0.261	0.382
σ		0.101	0.039	0.030	40.610	43.730	0.015	0.026	0.040
%RSD		91.470	13.730	2.721	36.280	42.730	8.266	9.935	10.570

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:17	0.514	1.646	1.687	0.389	2.031	0.717	0.000	0.190
2	17:26:00	0.525	1.518	1.506	0.398	1.038	0.421	0.000	0.176
3	17:26:43	0.415	1.822	1.708	0.220	0.325	-0.265	0.000	0.205
x		0.485	1.662	1.634	0.336	1.132	0.291	0.000	0.190
σ		0.060	0.153	0.111	0.100	0.857	0.504	0.000	0.014
%RSD		12.450	9.196	6.802	29.800	75.720	173.200	0.000	7.432

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:17	83.449%	194.100	194.100	83.535%	0.331	0.292	0.304	-0.160
2	17:26:00	85.665%	201.600	202.200	85.809%	0.294	0.292	0.229	-0.435
3	17:26:43	88.092%	204.200	203.700	88.506%	0.285	0.252	0.117	-0.152
x		85.736%	200.000	200.000	85.950%	0.303	0.279	0.217	-0.249
σ		2.322%	5.240	5.202	2.488%	0.024	0.023	0.094	0.161
%RSD		2.709	2.620	2.601	2.895	8.008	8.196	43.500	64.670

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:17	83.922%	198.900	196.100	196.600	0.254	0.569	85.905%	86.080%
2	17:26:00	86.682%	200.400	200.800	200.900	0.173	0.589	88.940%	89.743%
3	17:26:43	88.457%	200.700	203.100	202.400	0.168	0.617	91.515%	91.679%
x		86.354%	200.000	200.000	200.000	0.198	0.591	88.787%	89.167%
σ		2.286%	0.987	3.570	3.010	0.048	0.024	2.808%	2.844%
%RSD		2.647	0.494	1.785	1.505	24.430	4.097	3.162	3.189

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:17	0.236	0.222	0.216	0.179	0.211	85.092%
2	17:26:00	0.217	0.211	0.208	0.199	0.224	87.687%
3	17:26:43	0.234	0.204	0.208	0.195	0.219	89.479%
x		0.229	0.212	0.210	0.191	0.218	87.420%
σ		0.010	0.009	0.004	0.010	0.007	2.205%
%RSD		4.469	4.304	2.138	5.401	3.180	2.523

ICV1 MET5571-10 11/22/2010 5:28:53 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:29:36	82.310%	81.940	79.660	79.910	0.000	40240.000	40980.000	40750.000
2	17:30:18	82.133%	81.500	81.640	81.480	0.000	40110.000	41020.000	40750.000
3	17:31:02	82.285%	82.440	79.760	80.320	0.000	40010.000	41100.000	40670.000
x		82.242%	102.451%	100.441%	100.709%	0.000	100.301%	102.591%	101.800%
σ		0.096%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.116	0.572	1.386	1.012	0.000	0.299	0.153	0.115

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:29:36	411.300	4275.000	0.000	40580.000	40100.000	39250.000	84.785%	77.170
2	17:30:18	414.800	4292.000	0.000	40470.000	40500.000	39250.000	83.670%	79.720
3	17:31:02	418.800	4341.000	0.000	40780.000	40280.000	39840.000	83.028%	79.350
x		103.740%	107.573%	0.000	101.520%	100.728%	98.612%	83.828%	98.434%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.889%	n/a
%RSD		0.900	0.800	0.000	0.395	0.500	0.868	1.060	1.748

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:29:36	80.020	79.910	398.000	19980.000	20110.000	79.950	81.090	80.670
2	17:30:18	79.660	80.410	397.200	20070.000	19960.000	78.910	79.170	80.720
3	17:31:02	80.310	80.390	401.500	20240.000	20200.000	80.030	82.060	82.210
x		99.996%	100.295%	99.719%	100.501%	100.450%	99.536%	100.967%	101.499%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.404	0.353	0.575	0.664	0.607	0.782	1.817	1.074

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:29:36	81.330	83.340	83.210	79.290	79.410	76.940	0.000	76.690
2	17:30:18	80.020	82.730	81.440	81.730	79.460	80.540	0.000	76.500
3	17:31:02	82.100	82.990	82.790	79.800	80.110	78.550	0.000	77.300
x		101.438%	103.770%	103.099%	100.340%	99.574%	98.343%	0.000	96.041%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.295	0.370	1.117	1.601	0.496	2.291	0.000	0.544

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:29:36	88.380%	81.720	82.610	84.424%	79.810	79.920	80.790	78.980
2	17:30:18	88.279%	82.180	83.560	83.767%	79.420	80.320	81.130	79.960
3	17:31:02	86.793%	83.330	83.760	83.286%	80.410	80.470	80.010	80.610
x		87.817%	103.015%	104.136%	83.826%	99.851%	100.293%	100.803%	99.809%
σ		0.889%	n/a	n/a	0.571%	n/a	n/a	n/a	n/a
%RSD		1.012	1.008	0.740	0.682	0.624	0.357	0.714	1.030

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:29:36	85.607%	78.840	83.340	83.800	81.900	81.600	87.014%	87.156%
2	17:30:18	85.187%	79.860	83.250	83.390	82.480	82.340	85.325%	87.152%
3	17:31:02	84.707%	79.330	82.130	81.760	80.850	83.650	86.024%	87.108%
x		85.167%	99.176%	103.637%	103.731%	102.182%	103.162%	86.121%	87.139%
σ		0.450%	n/a	n/a	n/a	n/a	n/a	0.849%	0.026%
%RSD		0.529	0.646	0.814	1.299	1.011	1.258	0.985	0.030

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:29:36	83.220	83.320	80.940	79.330	80.260	95.940%
2	17:30:18	85.070	85.030	82.210	81.280	81.850	94.472%
3	17:31:02	85.350	85.240	83.510	81.240	82.560	93.182%
x		105.684%	105.663%	102.775%	100.771%	101.943%	94.531%
σ		n/a	n/a	n/a	n/a	n/a	1.380%
%RSD		1.368	1.245	1.558	1.378	1.444	1.460

ICB1 11/22/2010 5:36:09 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:36:52	92.826%	-0.006	0.521	0.604	0.000	-5.660	-0.249	-0.200
2	17:37:35	90.784%	-0.014	0.862	0.783	0.000	-3.531	-0.099	-0.255
3	17:38:18	92.475%	0.002	0.092	0.605	0.000	-5.395	-0.218	-0.236
x		92.028%	-0.006	0.492	0.664	0.000	-4.862	-0.189	-0.230
σ		1.092%	0.008	0.386	0.103	0.000	1.161	0.079	0.028
%RSD		1.186	129.000	78.500	15.540	0.000	23.870	41.860	12.300

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:36:52	-0.753	0.844	0.000	3.518	2.140	3.390	90.616%	-0.210
2	17:37:35	-0.737	0.853	0.000	2.734	6.440	3.003	91.472%	-0.191
3	17:38:18	-0.750	0.275	0.000	2.581	10.640	5.878	92.292%	-0.211
x		-0.747	0.657	0.000	2.944	6.408	4.090	91.460%	-0.204
σ		0.008	0.331	0.000	0.503	4.252	1.560	0.838%	0.012
%RSD		1.120	50.330	0.000	17.080	66.350	38.140	0.916	5.674

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:36:52	-0.030	-0.036	0.019	3.179	6.203	-0.002	-0.003	-0.110
2	17:37:35	-0.103	-0.019	0.013	2.319	6.291	-0.002	0.001	-0.095
3	17:38:18	-0.065	-0.045	0.003	1.510	4.648	0.000	-0.004	-0.102
x		-0.066	-0.033	0.011	2.336	5.714	-0.001	-0.002	-0.102
σ		0.036	0.013	0.008	0.835	0.924	0.001	0.003	0.008
%RSD		55.210	40.330	71.540	35.730	16.170	127.000	140.600	7.385

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:36:52	-0.053	-0.793	-0.756	-0.010	0.103	0.055	0.000	0.003
2	17:37:35	-0.098	-0.833	-0.683	0.068	-0.387	0.637	0.000	-0.005
3	17:38:18	-0.061	-0.693	-0.670	-0.045	-0.334	0.076	0.000	-0.005
x		-0.071	-0.773	-0.703	0.004	-0.206	0.256	0.000	-0.002
σ		0.024	0.072	0.046	0.057	0.269	0.331	0.000	0.004
%RSD		33.600	9.342	6.605	1275.000	130.300	129.100	0.000	181.900

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:36:52	92.172%	0.586	0.693	91.523%	0.030	0.042	-0.015	0.009
2	17:37:35	93.234%	0.696	0.635	93.110%	0.040	0.019	0.004	0.010
3	17:38:18	94.253%	0.565	0.596	94.447%	0.030	0.033	-0.036	-0.030
x		93.220%	0.616	0.642	93.027%	0.033	0.031	-0.016	-0.004
σ		1.040%	0.070	0.049	1.464%	0.005	0.012	0.020	0.023
%RSD		1.116	11.430	7.619	1.574	16.220	37.820	126.400	632.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:36:52	92.469%	-0.539	0.002	0.020	-0.033	-0.036	92.902%	92.702%
2	17:37:35	93.303%	-0.534	0.022	0.004	-0.055	-0.032	94.520%	94.670%
3	17:38:18	94.226%	-0.553	0.031	0.019	-0.048	-0.044	95.677%	95.755%
x		93.333%	-0.542	0.018	0.014	-0.045	-0.037	94.366%	94.376%
σ		0.879%	0.009	0.015	0.009	0.011	0.006	1.394%	1.548%
%RSD		0.942	1.751	82.870	64.710	25.080	17.400	1.477	1.640

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:36:52	0.013	0.005	-0.013	-0.011	-0.011	85.242%
2	17:37:35	0.004	-0.001	-0.028	-0.016	-0.020	86.703%
3	17:38:18	0.004	-0.002	-0.025	0.001	-0.017	87.848%
x		0.007	0.001	-0.022	-0.009	-0.016	86.598%
σ		0.005	0.004	0.008	0.009	0.005	1.306%
%RSD		73.230	711.400	36.830	100.200	28.540	1.508

CRI MET5572-10 11/22/2010 5:40:31 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:41:14	93.875%	1.128	4.867	4.959	0.000	100.700	102.800	103.000
2	17:41:57	93.726%	1.132	5.426	4.963	0.000	98.150	104.000	103.500
3	17:42:40	90.763%	0.984	5.583	5.235	0.000	99.940	104.800	104.400
x		92.788%	108.128%	105.843%	101.044%	0.000	99.594%	103.876%	103.620%
σ		1.756%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.892	7.797	7.115	3.129	0.000	1.308	1.006	0.694

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:41:14	35.190	472.800	0.000	103.300	96.080	107.700	93.264%	4.927
2	17:41:57	34.820	476.700	0.000	103.300	102.000	113.300	91.798%	4.308
3	17:42:40	35.490	478.400	0.000	103.400	105.400	107.300	89.027%	4.529
x		117.215%	95.194%	0.000	103.359%	101.147%	109.416%	91.363%	91.758%
σ		n/a	n/a	0.000	n/a	n/a	n/a	2.152%	n/a
%RSD		0.955	0.604	0.000	0.062	4.654	3.049	2.355	6.834

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:41:14	0.790	1.880	0.519	60.810	60.510	0.496	1.032	2.017
2	17:41:57	0.944	1.813	0.533	58.810	60.420	0.559	1.180	1.876
3	17:42:40	0.836	1.924	0.488	58.960	61.260	0.513	1.064	1.841
x		85.634%	93.606%	102.671%	119.050%	121.466%	104.543%	109.219%	95.568%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		9.231	2.976	4.521	1.866	0.762	6.275	7.130	4.884

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:41:14	1.977	4.423	4.929	0.957	5.139	4.292	0.000	4.719
2	17:41:57	2.002	4.351	4.984	1.031	5.256	4.762	0.000	4.798
3	17:42:40	2.258	4.601	4.536	1.122	4.947	5.242	0.000	5.040
x		103.956%	89.163%	96.331%	103.662%	102.274%	95.308%	0.000	97.053%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		7.476	2.890	5.068	7.964	3.045	9.969	0.000	3.448

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:41:14	92.731%	4.763	4.761	92.176%	1.024	0.971	1.023	1.128
2	17:41:57	91.799%	4.844	4.721	91.910%	1.024	0.973	1.035	1.066
3	17:42:40	90.713%	4.776	5.030	90.712%	0.975	0.978	0.942	0.975
x		91.748%	95.884%	96.749%	91.599%	100.776%	97.376%	99.968%	105.624%
σ		1.010%	n/a	n/a	0.780%	n/a	n/a	n/a	n/a
%RSD		1.101	0.915	3.475	0.851	2.787	0.364	5.062	7.263

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:41:14	91.948%	4.112	1.945	1.907	9.092	9.457	91.850%	91.739%
2	17:41:57	91.098%	3.978	1.982	2.029	9.622	9.463	92.012%	92.204%
3	17:42:40	90.685%	4.216	1.955	2.020	9.790	9.769	91.369%	91.623%
x		91.243%	82.042%	98.034%	99.271%	95.012%	95.632%	91.744%	91.855%
σ		0.644%	n/a	n/a	n/a	n/a	n/a	0.334%	0.308%
%RSD		0.706	2.907	0.974	3.420	3.837	1.865	0.364	0.335

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:41:14	1.123	1.089	1.069	1.041	1.092	90.239%
2	17:41:57	1.135	1.123	0.998	1.103	1.084	88.754%
3	17:42:40	1.156	1.153	1.056	1.088	1.069	87.914%
x		113.759%	112.182%	104.065%	107.764%	108.171%	88.969%
σ		n/a	n/a	n/a	n/a	n/a	1.177%
%RSD		1.466	2.850	3.637	2.992	1.050	1.323

ICSA MET5573-10 11/22/2010 5:44:51 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:34	72.840%	-0.012	1.682	1.725	0.000	93290.000	99220.000	96350.000
2	17:46:17	71.159%	-0.001	1.480	1.859	0.000	93350.000	99550.000	97250.000
3	17:47:00	70.512%	-0.001	1.395	1.677	0.000	94270.000	100400.000	97340.000
x		71.504%	-0.005	1.519	1.754	0.000	93640.000	99740.000	96980.000
σ		1.202%	0.006	0.148	0.094	0.000	547.200	633.100	544.400
%RSD		1.681	125.800	9.726	5.385	0.000	0.584	0.635	0.561

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:34	95180.000	22.250	0.000	92550.000	93500.000	96500.000	73.405%	1921.000
2	17:46:17	95800.000	21.890	0.000	93410.000	92980.000	92800.000	72.822%	1925.000
3	17:47:00	95230.000	22.350	0.000	93560.000	93410.000	92430.000	72.999%	1933.000
x		95410.000	22.170	0.000	93170.000	93300.000	93910.000	73.076%	1926.000
σ		346.600	0.242	0.000	547.100	276.400	2249.000	0.299%	6.159
%RSD		0.363	1.093	0.000	0.587	0.296	2.395	0.409	0.320

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:34	-0.251	0.004	0.157	94490.000	94940.000	0.200	0.381	0.384
2	17:46:17	-0.440	0.089	0.220	95280.000	94930.000	0.235	0.288	0.516
3	17:47:00	-0.288	0.102	0.250	94700.000	94850.000	0.184	0.463	0.549
x		-0.327	0.065	0.209	94820.000	94910.000	0.206	0.377	0.483
σ		0.100	0.053	0.048	407.200	49.680	0.026	0.088	0.087
%RSD		30.760	81.850	22.910	0.429	0.052	12.600	23.250	18.100

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:34	1.226	5.049	4.435	0.054	1.129	0.446	0.000	4.902
2	17:46:17	1.100	5.007	3.967	0.017	1.204	-0.050	0.000	4.745
3	17:47:00	1.092	4.977	4.464	0.011	1.022	-0.671	0.000	4.698
x		1.140	5.011	4.289	0.027	1.118	-0.092	0.000	4.782
σ		0.075	0.036	0.279	0.023	0.092	0.560	0.000	0.107
%RSD		6.602	0.720	6.499	84.980	8.201	611.400	0.000	2.243

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:34	77.713%	1863.000	1888.000	73.556%	0.483	0.441	0.471	0.378
2	17:46:17	78.579%	1927.000	1948.000	74.658%	0.437	0.422	0.390	0.247
3	17:47:00	78.784%	1950.000	1980.000	74.580%	0.412	0.397	0.343	0.462
x		78.359%	1913.000	1939.000	74.264%	0.444	0.420	0.401	0.362
σ		0.569%	45.190	46.460	0.615%	0.036	0.022	0.065	0.109
%RSD		0.726	2.362	2.396	0.828	8.130	5.250	16.150	29.970

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:34	78.496%	-0.054	0.350	0.321	0.191	0.178	85.322%	86.087%
2	17:46:17	79.286%	-0.196	0.286	0.257	0.271	0.142	87.145%	87.989%
3	17:47:00	79.907%	-0.160	0.296	0.272	0.169	0.212	87.144%	88.456%
x		79.230%	-0.137	0.311	0.284	0.210	0.177	86.537%	87.510%
σ		0.707%	0.074	0.034	0.033	0.053	0.035	1.052%	1.255%
%RSD		0.893	54.050	11.030	11.800	25.410	19.760	1.216	1.434

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:45:34	0.021	0.013	0.134	0.161	0.152	100.386%
2	17:46:17	0.016	0.004	0.172	0.133	0.163	92.807%
3	17:47:00	0.019	0.005	0.178	0.184	0.178	88.826%
x		0.018	0.007	0.162	0.159	0.164	94.006%
σ		0.003	0.005	0.024	0.026	0.013	5.873%
%RSD		13.820	70.380	14.760	16.210	8.154	6.247

ICSAB MET5574-10 11/22/2010 5:49:12 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:55	71.455%	20.400	45.240	45.240	0.000	101400.000	107600.000	104400.000
2	17:50:38	71.484%	18.210	46.620	44.420	0.000	101500.000	107800.000	104700.000
3	17:51:21	71.087%	19.240	47.670	44.180	0.000	101800.000	108500.000	104800.000
x		71.342%	96.428%	93.018%	89.228%	0.000	101.576%	107.927%	104.652%
σ		0.221%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.310	5.695	2.612	1.247	0.000	0.215	0.445	0.195

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:55	102400.000	503.300	0.000	100900.000	100800.000	104700.000	73.262%	2086.000
2	17:50:38	102400.000	501.700	0.000	100600.000	99990.000	99490.000	72.081%	2104.000
3	17:51:21	103400.000	503.900	0.000	102300.000	101800.000	100100.000	72.119%	2099.000
x		102.723%	100.596%	0.000	101.234%	100.844%	101.442%	72.487%	104.831%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.671%	n/a
%RSD		0.563	0.230	0.000	0.892	0.875	2.839	0.926	0.446

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:55	18.650	18.760	19.310	101900.000	101300.000	18.650	18.850	19.440
2	17:50:38	18.910	18.690	19.540	103500.000	103400.000	18.980	19.610	19.880
3	17:51:21	18.500	18.640	19.230	103000.000	103300.000	18.770	18.810	19.950
x		93.439%	93.494%	84.172%	102.811%	102.669%	93.997%	95.458%	98.768%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.099	0.323	0.823	0.807	1.175	0.891	2.372	1.406

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:55	20.370	23.570	22.110	20.330	53.790	49.610	0.000	24.520
2	17:50:38	20.690	24.140	22.770	20.310	54.290	51.710	0.000	24.490
3	17:51:21	20.200	23.940	23.050	19.400	52.950	47.630	0.000	24.240
x		102.091%	95.531%	90.576%	100.068%	107.352%	99.302%	0.000	122.067%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.210	1.213	2.148	2.646	1.268	4.112	0.000	0.636

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:55	77.973%	2085.000	2129.000	73.397%	19.610	19.270	19.360	19.140
2	17:50:38	78.144%	2131.000	2149.000	73.837%	19.260	19.670	19.720	19.580
3	17:51:21	78.760%	2121.000	2162.000	73.918%	19.380	19.680	20.720	19.440
x		78.292%	105.617%	107.336%	73.717%	97.091%	97.697%	99.662%	96.920%
σ		0.414%	n/a	n/a	0.280%	n/a	n/a	n/a	n/a
%RSD		0.529	1.155	0.770	0.380	0.918	1.214	3.535	1.149

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:55	78.121%	99.490	20.900	20.560	19.620	19.210	85.799%	86.232%
2	17:50:38	79.014%	98.940	20.580	20.780	18.970	19.280	86.593%	87.888%
3	17:51:21	79.234%	99.250	20.860	20.780	19.590	19.820	86.693%	87.825%
x		78.790%	99.225%	103.905%	103.549%	96.958%	97.181%	86.362%	87.315%
σ		0.590%	n/a	n/a	n/a	n/a	n/a	0.490%	0.939%
%RSD		0.748	0.277	0.837	0.607	1.894	1.700	0.567	1.075

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:55	20.680	20.630	21.150	21.380	21.220	84.371%
2	17:50:38	21.300	21.450	21.930	22.060	22.110	82.412%
3	17:51:21	21.870	21.670	21.950	22.390	22.490	81.296%
x		106.422%	106.251%	108.377%	109.709%	109.695%	82.693%
σ		n/a	n/a	n/a	n/a	n/a	1.557%
%RSD		2.815	2.587	2.093	2.341	2.963	1.882

CCV1-1 MET5575-10 11/22/2010 5:56:27 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:09	77.162%	97.730	88.560	91.190	0.000	48560.000	50490.000	49690.000
2	17:57:52	76.401%	97.970	92.600	90.530	0.000	48780.000	51180.000	50190.000
3	17:58:35	76.349%	96.420	89.230	90.340	0.000	48780.000	50880.000	49850.000
x		76.638%	97.371%	90.130%	90.686%	0.000	97.407%	101.704%	99.823%
σ		0.455%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.594	0.859	2.403	0.492	0.000	0.264	0.680	0.518

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:09	494.100	4800.000	0.000	47670.000	47290.000	47150.000	77.971%	97.870
2	17:57:52	494.300	4832.000	0.000	48430.000	48850.000	47860.000	76.963%	97.800
3	17:58:35	493.600	4809.000	0.000	48600.000	48730.000	48250.000	75.496%	99.530
x		98.800%	96.274%	0.000	96.473%	96.585%	95.502%	76.810%	98.398%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.245%	n/a
%RSD		0.067	0.351	0.000	1.028	1.797	1.169	1.620	0.994

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:09	93.890	93.600	476.600	23820.000	23500.000	94.640	94.480	96.270
2	17:57:52	95.150	94.920	477.700	24010.000	24020.000	94.450	95.670	96.440
3	17:58:35	96.190	95.650	486.500	24270.000	24210.000	95.830	96.380	97.800
x		95.078%	94.726%	96.052%	96.138%	95.635%	94.973%	95.507%	96.838%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.210	1.095	1.124	0.944	1.527	0.784	1.006	0.868

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:09	96.350	97.550	98.600	94.380	97.000	94.160	0.000	92.510
2	17:57:52	98.460	100.300	99.260	94.520	100.800	94.130	0.000	93.560
3	17:58:35	98.680	99.450	99.850	95.710	101.100	97.260	0.000	93.420
x		97.830%	99.099%	99.238%	94.872%	99.637%	95.181%	0.000	93.163%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.316	1.418	0.632	0.767	2.297	1.889	0.000	0.612

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:09	83.344%	96.940	99.700	80.606%	95.050	95.070	96.010	96.160
2	17:57:52	82.161%	102.000	103.300	79.980%	94.790	95.300	97.210	97.020
3	17:58:35	82.171%	104.900	105.700	79.423%	95.200	96.140	98.250	97.060
x		82.559%	101.277%	102.898%	80.003%	95.012%	95.505%	97.155%	96.751%
σ		0.680%	n/a	n/a	0.592%	n/a	n/a	n/a	n/a
%RSD		0.824	3.979	2.924	0.740	0.218	0.589	1.157	0.525

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:09	80.615%	93.420	94.700	93.860	94.410	93.400	87.974%	89.180%
2	17:57:52	79.919%	94.630	95.640	95.740	95.600	94.660	87.739%	88.708%
3	17:58:35	79.259%	94.240	97.090	96.360	94.160	94.540	87.916%	88.370%
x		79.931%	94.101%	95.811%	95.319%	94.722%	94.197%	87.876%	88.753%
σ		0.678%	n/a	n/a	n/a	n/a	n/a	0.123%	0.407%
%RSD		0.849	0.657	1.256	1.367	0.812	0.739	0.139	0.458

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	17:57:09	99.970	100.600	100.900	101.100	101.600	87.895%
2	17:57:52	104.200	105.100	105.500	105.700	106.100	84.367%
3	17:58:35	104.600	104.700	105.200	105.400	106.200	83.820%
x		102.912%	103.470%	103.886%	104.035%	104.605%	85.360%
σ		n/a	n/a	n/a	n/a	n/a	2.212%
%RSD		2.480	2.378	2.469	2.461	2.524	2.591

CCB1 11/22/2010 6:03:41 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:24	91.464%	0.010	0.259	0.300	0.000	1.316	0.264	0.369
2	18:05:07	92.975%	0.025	0.597	0.278	0.000	0.963	1.001	0.864
3	18:05:50	91.420%	0.018	0.060	0.290	0.000	2.780	0.758	0.599
x		91.953%	0.018	0.305	0.289	0.000	1.686	0.674	0.611
σ		0.885%	0.008	0.271	0.011	0.000	0.963	0.376	0.248
%RSD		0.962	42.830	88.760	3.788	0.000	57.120	55.710	40.570

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:24	-0.537	-0.616	0.000	11.460	10.980	4.345	90.499%	-0.069
2	18:05:07	-0.525	-0.940	0.000	11.060	4.286	6.225	91.087%	-0.030
3	18:05:50	-0.472	-0.676	0.000	11.820	2.027	3.587	91.938%	-0.012
x		-0.511	-0.744	0.000	11.450	5.764	4.719	91.175%	-0.037
σ		0.034	0.172	0.000	0.379	4.655	1.358	0.723%	0.029
%RSD		6.716	23.100	0.000	3.312	80.770	28.780	0.793	79.290

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:24	-0.079	-0.018	0.033	11.180	13.740	-0.006	-0.004	-0.016
2	18:05:07	-0.046	-0.002	0.010	9.050	8.173	0.000	0.036	-0.102
3	18:05:50	0.026	-0.011	0.017	7.705	9.247	-0.002	-0.020	-0.077
x		-0.033	-0.010	0.020	9.313	10.390	-0.002	0.004	-0.065
σ		0.054	0.008	0.012	1.754	2.954	0.003	0.029	0.044
%RSD		162.700	79.480	58.920	18.830	28.440	134.800	666.200	67.750

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:24	-0.153	-0.646	-0.717	0.077	1.527	0.515	0.000	-0.007
2	18:05:07	-0.095	-0.753	-0.712	0.006	1.561	-0.198	0.000	-0.001
3	18:05:50	-0.083	-0.732	-0.657	0.155	1.040	0.424	0.000	-0.003
x		-0.110	-0.710	-0.695	0.079	1.376	0.247	0.000	-0.004
σ		0.037	0.056	0.033	0.074	0.291	0.388	0.000	0.003
%RSD		33.870	7.933	4.789	93.610	21.190	157.200	0.000	78.110

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:24	94.469%	4.019	3.977	94.285%	0.009	0.023	-0.037	-0.020
2	18:05:07	95.959%	3.707	3.803	95.466%	0.020	0.027	-0.093	-0.044
3	18:05:50	96.661%	3.283	3.321	96.527%	0.015	0.004	-0.122	-0.074
x		95.696%	3.670	3.700	95.426%	0.015	0.018	-0.084	-0.046
σ		1.119%	0.369	0.340	1.122%	0.005	0.012	0.043	0.027
%RSD		1.170	10.070	9.192	1.175	35.410	68.390	51.680	59.350

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:24	94.785%	-0.530	0.154	0.136	-0.041	-0.044	96.654%	96.294%
2	18:05:07	96.683%	-0.549	0.192	0.168	-0.048	-0.036	98.163%	98.759%
3	18:05:50	98.616%	-0.547	0.192	0.164	-0.021	-0.045	100.414%	100.372%
x		96.695%	-0.542	0.179	0.156	-0.037	-0.042	98.410%	98.475%
σ		1.915%	0.010	0.022	0.017	0.014	0.005	1.892%	2.054%
%RSD		1.981	1.868	12.200	11.220	39.120	11.170	1.923	2.085

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:04:24	0.016	0.019	-0.021	-0.018	-0.013	88.680%
2	18:05:07	0.019	0.013	-0.013	-0.026	-0.017	90.090%
3	18:05:50	0.003	0.013	-0.013	-0.016	-0.014	91.778%
x		0.012	0.015	-0.015	-0.020	-0.015	90.182%
σ		0.009	0.004	0.005	0.005	0.002	1.551%
%RSD		69.220	24.160	29.690	24.690	14.140	1.720

L94NFB 11/22/2010 6:08:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:45	94.906%	-0.006	0.189	0.275	0.000	23.920	8.298	8.456
2	18:09:29	95.954%	0.001	0.445	0.203	0.000	23.530	8.024	8.814
3	18:10:11	95.066%	-0.007	0.149	0.313	0.000	22.520	8.289	7.333
x		95.308%	-0.004	0.261	0.264	0.000	23.320	8.204	8.201
σ		0.564%	0.004	0.161	0.056	0.000	0.722	0.156	0.773
%RSD		0.592	107.600	61.560	21.140	0.000	3.096	1.900	9.421

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:45	5.827	1.913	0.000	22.460	16.830	18.430	93.432%	0.436
2	18:09:29	5.856	2.124	0.000	19.000	23.130	19.870	93.728%	0.570
3	18:10:11	6.009	1.650	0.000	18.500	14.690	21.000	93.445%	0.573
x		5.898	1.896	0.000	19.990	18.210	19.760	93.535%	0.526
σ		0.098	0.237	0.000	2.156	4.388	1.289	0.167%	0.078
%RSD		1.659	12.510	0.000	10.790	24.090	6.523	0.179	14.890

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:45	-0.019	0.195	0.056	37.630	35.890	0.003	0.044	0.482
2	18:09:29	0.106	0.160	0.053	33.660	33.680	0.000	-0.006	0.471
3	18:10:11	-0.035	0.163	0.049	29.070	28.370	0.001	0.044	0.482
x		0.017	0.172	0.053	33.460	32.650	0.002	0.028	0.478
σ		0.077	0.019	0.004	4.283	3.865	0.002	0.029	0.007
%RSD		446.800	11.140	7.007	12.800	11.840	100.600	104.100	1.372

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:45	0.242	-0.292	-0.227	0.100	1.678	0.017	0.000	0.070
2	18:09:29	0.302	-0.343	-0.329	-0.159	0.943	-0.008	0.000	0.067
3	18:10:11	0.228	-0.412	-0.280	0.140	1.060	0.243	0.000	0.062
x		0.258	-0.349	-0.279	0.027	1.227	0.084	0.000	0.066
σ		0.039	0.060	0.051	0.162	0.395	0.138	0.000	0.004
%RSD		15.150	17.210	18.280	593.600	32.200	164.200	0.000	5.837

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:45	96.869%	3.913	3.895	95.583%	0.080	0.071	-0.022	-0.023
2	18:09:29	97.627%	3.522	3.478	96.417%	0.076	0.079	-0.075	-0.051
3	18:10:11	97.692%	3.011	3.131	97.417%	0.077	0.096	-0.022	-0.019
x		97.396%	3.482	3.501	96.472%	0.078	0.082	-0.040	-0.031
σ		0.457%	0.452	0.383	0.918%	0.002	0.012	0.030	0.017
%RSD		0.470	12.980	10.940	0.951	2.627	15.210	76.420	55.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:45	96.658%	-0.215	0.221	0.224	0.066	0.066	96.070%	97.571%
2	18:09:29	97.219%	-0.205	0.184	0.167	0.029	0.040	99.020%	98.679%
3	18:10:11	97.879%	-0.299	0.140	0.199	0.071	0.043	99.515%	99.724%
x		97.252%	-0.239	0.182	0.197	0.055	0.050	98.202%	98.658%
σ		0.611%	0.052	0.040	0.028	0.023	0.014	1.862%	1.077%
%RSD		0.628	21.560	22.230	14.430	41.190	28.730	1.896	1.091

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:45	0.080	0.068	0.018	0.001	0.010	101.009%
2	18:09:29	0.049	0.050	-0.020	-0.003	-0.003	98.024%
3	18:10:11	0.021	0.024	-0.003	0.004	0.002	96.746%
x		0.050	0.047	-0.002	0.001	0.003	98.593%
σ		0.030	0.022	0.019	0.003	0.007	2.188%
%RSD		59.180	46.620	1053.000	348.400	228.900	2.219

MAA1GB 11/22/2010 6:12:21 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:04	96.412%	0.008	0.401	0.167	0.000	5.736	-0.209	-0.219
2	18:13:46	94.236%	-0.014	0.270	0.143	0.000	5.405	-0.095	-0.180
3	18:14:30	94.661%	-0.014	0.266	0.077	0.000	3.315	-0.271	-0.094
x		95.103%	-0.007	0.312	0.129	0.000	4.819	-0.192	-0.164
σ		1.153%	0.013	0.077	0.047	0.000	1.313	0.089	0.064
%RSD		1.212	196.700	24.690	36.090	0.000	27.250	46.530	38.920

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:04	-0.755	-0.040	0.000	13.830	-4.562	-0.051	94.936%	0.058
2	18:13:46	-0.809	0.070	0.000	12.760	-0.337	0.235	94.717%	-0.057
3	18:14:30	-0.838	0.116	0.000	12.220	-4.555	1.508	94.699%	-0.019
x		-0.800	0.048	0.000	12.940	-3.151	0.564	94.784%	-0.006
σ		0.042	0.080	0.000	0.822	2.437	0.830	0.132%	0.059
%RSD		5.283	165.600	0.000	6.354	77.340	147.100	0.139	973.500

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:04	-0.108	0.197	-0.134	4.039	4.681	-0.008	-0.030	0.151
2	18:13:46	0.027	0.219	-0.133	2.529	1.860	-0.009	-0.011	0.122
3	18:14:30	0.252	0.164	-0.135	1.045	2.429	-0.004	-0.001	0.046
x		0.057	0.193	-0.134	2.538	2.990	-0.007	-0.014	0.106
σ		0.182	0.028	0.001	1.497	1.492	0.003	0.015	0.055
%RSD		317.800	14.250	0.724	59.000	49.890	38.080	105.200	51.370

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:04	-0.018	-0.805	-0.690	0.123	1.156	-0.067	0.000	-0.006
2	18:13:46	-0.071	-0.807	-0.612	0.067	0.537	0.918	0.000	-0.010
3	18:14:30	-0.031	-0.790	-0.684	-0.000	0.563	0.965	0.000	-0.012
x		-0.040	-0.801	-0.662	0.063	0.752	0.605	0.000	-0.009
σ		0.028	0.009	0.044	0.062	0.350	0.583	0.000	0.003
%RSD		70.060	1.175	6.573	97.590	46.580	96.310	0.000	32.930

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:04	98.373%	1.905	1.720	97.719%	0.054	0.038	-0.026	-0.025
2	18:13:46	99.628%	1.661	1.621	98.776%	0.038	0.051	0.018	0.017
3	18:14:30	99.764%	1.590	1.444	99.483%	0.032	0.038	-0.054	-0.038
x		99.255%	1.719	1.595	98.660%	0.041	0.043	-0.021	-0.015
σ		0.767%	0.165	0.140	0.888%	0.011	0.008	0.036	0.029
%RSD		0.773	9.614	8.763	0.900	26.430	17.700	175.400	187.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:04	98.444%	-0.396	0.083	0.064	-0.048	-0.045	98.685%	99.912%
2	18:13:46	100.021%	-0.388	0.040	0.038	-0.042	-0.037	101.807%	102.056%
3	18:14:30	100.726%	-0.477	0.041	0.034	-0.028	-0.041	102.902%	102.441%
x		99.730%	-0.420	0.055	0.045	-0.039	-0.041	101.131%	101.470%
σ		1.169%	0.049	0.025	0.016	0.010	0.004	2.189%	1.363%
%RSD		1.172	11.740	45.030	36.020	26.060	9.314	2.164	1.343

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:13:04	0.001	0.008	-0.035	-0.020	-0.023	100.146%
2	18:13:46	0.011	0.007	-0.028	-0.007	-0.016	97.425%
3	18:14:30	0.002	0.006	-0.036	-0.020	-0.024	96.442%
x		0.005	0.007	-0.033	-0.016	-0.021	98.004%
σ		0.006	0.001	0.004	0.007	0.004	1.919%
%RSD		114.800	15.610	13.330	46.580	20.150	1.958

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:20	75.831%	44.440	885.600	860.900	0.000	44870.000	47510.000	45640.000
2	18:18:03	77.525%	45.480	854.600	817.400	0.000	44300.000	47110.000	44690.000
3	18:18:46	77.774%	45.150	865.500	812.200	0.000	44720.000	47290.000	45210.000
x		77.044%	45.020	868.600	830.100	0.000	44630.000	47300.000	45180.000
σ		1.057%	0.536	15.730	26.760	0.000	295.600	198.600	476.300
%RSD		1.372	1.190	1.811	3.224	0.000	0.662	0.420	1.054

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:20	1734.000	7886.000	0.000	43160.000	43540.000	43460.000	74.208%	842.900
2	18:18:03	1715.000	7775.000	0.000	43280.000	43770.000	43810.000	74.434%	841.400
3	18:18:46	1716.000	7823.000	0.000	43800.000	44520.000	43480.000	74.312%	845.000
x		1722.000	7828.000	0.000	43410.000	43940.000	43580.000	74.318%	843.100
σ		11.060	55.770	0.000	344.500	514.100	195.200	0.113%	1.800
%RSD		0.642	0.713	0.000	0.793	1.170	0.448	0.152	0.214

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:20	429.800	175.700	440.300	904.700	1074.000	438.900	438.900	223.200
2	18:18:03	431.900	175.500	439.900	900.700	1044.000	437.300	440.400	223.000
3	18:18:46	435.200	176.500	439.600	901.300	1059.000	443.000	438.700	223.300
x		432.300	175.900	439.900	902.200	1059.000	439.700	439.300	223.200
σ		2.709	0.497	0.317	2.192	15.030	2.930	0.927	0.148
%RSD		0.627	0.282	0.072	0.243	1.419	0.666	0.211	0.066

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:20	224.400	467.300	464.600	34.820	9.582	10.250	0.000	854.600
2	18:18:03	223.400	464.700	463.400	33.760	9.355	9.272	0.000	843.700
3	18:18:46	225.100	471.100	467.200	34.300	8.517	8.115	0.000	850.400
x		224.300	467.700	465.100	34.290	9.151	9.213	0.000	849.600
σ		0.863	3.245	1.969	0.527	0.561	1.070	0.000	5.499
%RSD		0.385	0.694	0.423	1.537	6.132	11.610	0.000	0.647

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:20	78.474%	863.800	872.700	76.083%	44.850	44.830	45.390	40.560
2	18:18:03	79.775%	893.300	896.800	76.968%	44.240	44.380	43.360	40.030
3	18:18:46	79.692%	900.500	910.800	77.445%	44.710	44.450	45.370	41.130
x		79.313%	885.900	893.400	76.832%	44.600	44.550	44.710	40.570
σ		0.728%	19.440	19.280	0.691%	0.324	0.246	1.164	0.550
%RSD		0.918	2.195	2.158	0.900	0.725	0.551	2.603	1.356

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:20	78.854%	1726.000	438.300	439.900	1715.000	1717.000	86.563%	87.031%
2	18:18:03	80.290%	1714.000	436.900	438.700	1705.000	1705.000	88.433%	88.633%
3	18:18:46	80.294%	1728.000	439.200	440.800	1715.000	1721.000	88.583%	89.471%
x		79.813%	1723.000	438.100	439.800	1712.000	1714.000	87.859%	88.378%
σ		0.830%	7.395	1.158	1.039	6.100	8.083	1.126%	1.240%
%RSD		1.040	0.429	0.264	0.236	0.356	0.472	1.281	1.403

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:20	48.480	48.860	19.230	21.280	20.390	80.595%
2	18:18:03	49.980	50.310	19.970	21.700	20.780	80.361%
3	18:18:46	50.220	50.380	19.640	21.840	20.730	80.648%
x		49.560	49.850	19.620	21.610	20.630	80.535%
σ		0.942	0.860	0.373	0.293	0.211	0.153%
%RSD		1.900	1.724	1.899	1.355	1.024	0.190

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:37	79.446%	47.060	896.000	856.800	0.000	45520.000	47750.000	45560.000
2	18:22:20	79.401%	45.310	861.000	809.900	0.000	45520.000	47690.000	45530.000
3	18:23:03	79.291%	45.450	860.700	817.800	0.000	45810.000	48050.000	45310.000
x		79.379%	45.940	872.600	828.200	0.000	45620.000	47830.000	45470.000
σ		0.080%	0.974	20.250	25.140	0.000	165.100	192.700	133.900
%RSD		0.101	2.119	2.321	3.035	0.000	0.362	0.403	0.294

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:37	1735.000	8290.000	0.000	43640.000	44610.000	44280.000	75.288%	899.200
2	18:22:20	1746.000	8134.000	0.000	44070.000	45030.000	44630.000	74.798%	900.400
3	18:23:03	1717.000	8092.000	0.000	44210.000	44710.000	44610.000	74.860%	903.200
x		1733.000	8172.000	0.000	43970.000	44780.000	44510.000	74.982%	900.900
σ		14.570	104.000	0.000	296.200	221.000	195.600	0.267%	2.018
%RSD		0.841	1.272	0.000	0.674	0.493	0.440	0.356	0.224

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:37	438.400	178.600	442.700	905.400	1060.000	444.300	443.700	225.900
2	18:22:20	434.400	176.500	447.700	909.200	1067.000	449.100	446.500	226.300
3	18:23:03	438.700	178.200	446.800	916.300	1059.000	450.000	444.100	225.200
x		437.200	177.800	445.700	910.300	1062.000	447.800	444.800	225.800
σ		2.389	1.073	2.650	5.529	4.471	3.075	1.522	0.586
%RSD		0.546	0.604	0.595	0.607	0.421	0.687	0.342	0.259

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:37	227.700	471.800	471.600	36.510	9.053	9.008	0.000	857.400
2	18:22:20	226.300	474.900	476.900	35.470	9.541	7.637	0.000	852.100
3	18:23:03	226.500	479.800	479.100	33.770	8.912	9.047	0.000	851.300
x		226.800	475.500	475.900	35.250	9.169	8.564	0.000	853.600
σ		0.727	4.036	3.829	1.384	0.330	0.803	0.000	3.327
%RSD		0.320	0.849	0.804	3.926	3.601	9.381	0.000	0.390

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:37	79.903%	945.200	954.700	77.985%	44.870	44.910	45.410	40.550
2	18:22:20	81.488%	954.000	965.800	78.737%	45.350	44.830	44.840	40.650
3	18:23:03	82.405%	963.900	975.300	79.347%	45.050	44.970	45.530	40.670
x		81.265%	954.400	965.200	78.690%	45.090	44.900	45.260	40.620
σ		1.266%	9.340	10.340	0.683%	0.244	0.070	0.369	0.064
%RSD		1.558	0.979	1.071	0.867	0.541	0.156	0.815	0.158

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:37	80.301%	1830.000	466.900	468.400	1726.000	1723.000	87.480%	88.723%
2	18:22:20	82.134%	1819.000	464.000	467.500	1715.000	1723.000	90.467%	91.074%
3	18:23:03	82.976%	1820.000	466.200	467.300	1719.000	1709.000	91.300%	92.277%
x		81.804%	1823.000	465.700	467.700	1720.000	1718.000	89.749%	90.691%
σ		1.368%	6.225	1.494	0.572	5.638	8.126	2.009%	1.808%
%RSD		1.672	0.341	0.321	0.122	0.328	0.473	2.238	1.993

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:21:37	50.450	51.000	19.960	21.960	20.920	79.531%
2	18:22:20	50.580	50.830	19.970	21.620	20.880	82.416%
3	18:23:03	50.980	51.100	20.090	21.900	20.950	83.503%
x		50.670	50.980	20.010	21.830	20.920	81.817%
σ		0.278	0.134	0.073	0.180	0.036	2.053%
%RSD		0.549	0.263	0.366	0.826	0.173	2.509

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:33	67.519%	0.021	16.630	16.370	0.000	2744000.000	60.820	58.630
2	18:30:16	66.976%	0.033	16.720	15.610	0.000	2765000.000	60.000	60.040
3	18:30:59	65.983%	0.000	15.430	15.190	0.000	2795000.000	62.840	56.950
x		66.826%	0.018	16.260	15.730	0.000	2768000.000	61.220	58.540
σ		0.779%	0.016	0.718	0.598	0.000	25780.000	1.462	1.548
%RSD		1.165	90.940	4.413	3.800	0.000	0.931	2.387	2.644

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:33	43.550	2596.000	0.000	1528.000	284.900	339.100	67.099%	3.080
2	18:30:16	42.940	2557.000	0.000	1555.000	264.200	334.400	66.309%	3.087
3	18:30:59	43.640	2549.000	0.000	1580.000	257.700	338.300	65.713%	3.309
x		43.380	2567.000	0.000	1555.000	268.900	337.300	66.374%	3.159
σ		0.380	25.030	0.000	26.060	14.210	2.542	0.695%	0.131
%RSD		0.877	0.975	0.000	1.677	5.286	0.754	1.047	4.133

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:33	-1.175	73.660	28.410	9380.000	9191.000	0.492	20.320	92.750
2	18:30:16	-0.812	74.160	28.910	9563.000	9282.000	0.471	20.400	97.100
3	18:30:59	0.345	74.720	29.140	9610.000	9339.000	0.492	20.150	97.550
x		-0.547	74.180	28.820	9518.000	9270.000	0.485	20.290	95.800
σ		0.794	0.529	0.377	121.600	74.660	0.012	0.131	2.650
%RSD		145.100	0.714	1.307	1.277	0.805	2.505	0.644	2.766

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:33	55.700	71.710	72.790	3183.000	0.845	2.039	0.000	9.401
2	18:30:16	57.920	73.610	73.140	3217.000	1.178	1.221	0.000	9.375
3	18:30:59	57.340	75.780	73.950	3215.000	0.402	0.820	0.000	9.352
x		56.990	73.700	73.290	3205.000	0.809	1.360	0.000	9.376
σ		1.147	2.040	0.595	19.060	0.389	0.621	0.000	0.025
%RSD		2.013	2.769	0.812	0.595	48.160	45.660	0.000	0.263

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:33	70.419%	45.300	47.070	64.355%	0.185	0.149	0.435	0.388
2	18:30:16	71.718%	44.170	44.530	65.256%	0.146	0.121	0.335	0.338
3	18:30:59	72.491%	43.350	44.120	65.732%	0.125	0.127	0.461	0.426
x		71.543%	44.270	45.240	65.114%	0.152	0.132	0.410	0.384
σ		1.047%	0.980	1.596	0.699%	0.030	0.014	0.067	0.044
%RSD		1.463	2.214	3.529	1.074	20.050	10.920	16.240	11.480

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:33	70.127%	12.140	2.110	2.263	3.157	3.041	76.486%	78.527%
2	18:30:16	71.580%	10.850	2.197	2.126	3.346	2.966	79.889%	80.537%
3	18:30:59	72.806%	10.010	2.043	2.157	2.972	3.213	80.711%	81.767%
x		71.504%	11.000	2.117	2.182	3.159	3.073	79.029%	80.277%
σ		1.341%	1.074	0.077	0.072	0.187	0.126	2.240%	1.636%
%RSD		1.876	9.765	3.637	3.282	5.919	4.114	2.834	2.038

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:33	0.198	0.200	43.340	43.430	43.420	63.083%
2	18:30:16	0.145	0.148	43.310	43.190	43.580	65.012%
3	18:30:59	0.120	0.124	43.240	43.140	43.280	66.336%
x		0.154	0.157	43.300	43.250	43.430	64.810%
σ		0.040	0.039	0.055	0.154	0.152	1.636%
%RSD		25.990	24.580	0.126	0.356	0.350	2.524

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:50	74.922%	0.027	6.023	6.333	0.000	563800.000	11.790	12.220
2	18:34:33	74.717%	-0.002	5.411	4.935	0.000	565200.000	13.550	11.620
3	18:35:16	75.297%	-0.012	5.364	5.072	0.000	564900.000	11.500	11.670
x		74.979%	0.004	5.599	5.447	0.000	564600.000	12.280	11.840
σ		0.294%	0.020	0.368	0.771	0.000	744.000	1.108	0.332
%RSD		0.392	494.000	6.571	14.150	0.000	0.132	9.020	2.806

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:50	8.568	556.700	0.000	357.100	36.360	94.670	74.227%	0.735
2	18:34:33	8.604	552.300	0.000	358.400	60.720	79.640	74.049%	1.132
3	18:35:16	8.870	554.600	0.000	357.400	54.840	85.690	74.648%	0.950
x		8.681	554.600	0.000	357.600	50.640	86.670	74.308%	0.939
σ		0.165	2.198	0.000	0.695	12.710	7.566	0.308%	0.199
%RSD		1.898	0.396	0.000	0.194	25.100	8.730	0.414	21.150

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:50	-0.143	15.460	5.819	2004.000	1950.000	0.052	4.474	21.550
2	18:34:33	0.231	15.490	5.847	2016.000	1946.000	0.100	4.703	21.310
3	18:35:16	-0.001	15.600	5.660	1991.000	1937.000	0.095	4.052	21.060
x		0.029	15.520	5.775	2004.000	1944.000	0.082	4.410	21.310
σ		0.189	0.075	0.101	12.400	7.068	0.026	0.331	0.242
%RSD		642.700	0.484	1.742	0.619	0.363	31.770	7.496	1.136

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:50	12.560	14.770	15.760	673.200	1.571	0.527	0.000	1.879
2	18:34:33	12.320	14.700	15.050	666.500	2.460	0.818	0.000	1.892
3	18:35:16	12.140	15.440	15.200	672.300	1.849	0.925	0.000	1.907
x		12.340	14.970	15.340	670.700	1.960	0.757	0.000	1.893
σ		0.210	0.412	0.370	3.648	0.455	0.206	0.000	0.014
%RSD		1.704	2.750	2.415	0.544	23.220	27.210	0.000	0.733

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:50	79.927%	9.633	10.200	75.961%	0.039	0.038	-0.006	0.015
2	18:34:33	80.929%	9.444	9.547	76.303%	0.040	0.039	-0.001	0.057
3	18:35:16	80.307%	10.110	9.540	76.345%	0.049	0.039	-0.008	0.011
x		80.387%	9.728	9.763	76.203%	0.043	0.039	-0.005	0.028
σ		0.506%	0.341	0.381	0.210%	0.006	0.001	0.003	0.026
%RSD		0.629	3.501	3.906	0.276	13.460	1.888	67.970	93.360

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:50	80.250%	0.874	0.400	0.369	0.659	0.613	86.818%	87.648%
2	18:34:33	80.105%	0.784	0.371	0.348	0.773	0.606	87.579%	88.588%
3	18:35:16	80.087%	0.822	0.336	0.396	0.709	0.551	87.123%	87.789%
x		80.147%	0.827	0.369	0.371	0.714	0.590	87.174%	88.009%
σ		0.089%	0.045	0.032	0.024	0.057	0.034	0.383%	0.507%
%RSD		0.111	5.437	8.610	6.434	8.011	5.735	0.439	0.576

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:33:50	0.060	0.047	8.912	8.926	8.939	71.858%
2	18:34:33	0.051	0.050	8.665	8.823	8.937	72.736%
3	18:35:16	0.066	0.063	8.863	8.960	8.902	73.018%
x		0.059	0.053	8.813	8.903	8.926	72.537%
σ		0.007	0.008	0.131	0.071	0.021	0.605%
%RSD		12.440	15.510	1.488	0.800	0.236	0.834

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:03	92.174%	-0.022	1.533	1.816	0.000	59.260	-0.551	-0.492
2	18:41:47	94.336%	0.024	1.910	1.880	0.000	52.710	-0.315	-0.553
3	18:42:29	94.318%	-0.006	1.909	1.563	0.000	50.380	-0.658	-0.440
x		93.609%	-0.001	1.784	1.753	0.000	54.110	-0.508	-0.495
σ		1.243%	0.024	0.218	0.168	0.000	4.604	0.176	0.057
%RSD		1.328	1794.000	12.190	9.573	0.000	8.507	34.590	11.500

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:03	-0.859	-0.194	0.000	5.176	-0.570	9.836	98.660%	-0.083
2	18:41:47	-0.903	-0.357	0.000	4.364	-4.619	11.590	97.868%	0.012
3	18:42:29	-0.848	1.013	0.000	1.704	-6.664	7.684	98.326%	-0.083
x		-0.870	0.154	0.000	3.748	-3.951	9.702	98.285%	-0.051
σ		0.029	0.749	0.000	1.816	3.101	1.956	0.398%	0.055
%RSD		3.325	486.600	0.000	48.450	78.500	20.150	0.405	106.300

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:03	-0.125	0.315	-0.143	-0.711	-3.954	-0.008	-0.007	0.579
2	18:41:47	0.208	0.264	-0.117	-2.830	-6.614	-0.008	-0.007	0.462
3	18:42:29	-0.068	0.265	-0.132	-4.059	-8.252	-0.004	0.007	0.364
x		0.005	0.281	-0.130	-2.534	-6.274	-0.007	-0.002	0.468
σ		0.178	0.029	0.013	1.693	2.169	0.002	0.008	0.108
%RSD		3406.000	10.430	9.879	66.840	34.580	33.540	363.500	22.950

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:03	-0.053	-0.685	-0.615	0.243	-0.255	-0.947	0.000	-0.006
2	18:41:47	-0.033	-0.703	-0.703	0.291	-0.659	-0.726	0.000	-0.008
3	18:42:29	-0.031	-0.852	-0.706	-0.059	-0.985	-1.209	0.000	-0.011
x		-0.039	-0.747	-0.674	0.158	-0.633	-0.961	0.000	-0.008
σ		0.012	0.092	0.052	0.190	0.366	0.242	0.000	0.002
%RSD		31.290	12.310	7.692	119.600	57.790	25.160	0.000	28.300

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:03	97.083%	0.922	0.898	89.608%	0.010	0.021	-0.153	-0.108
2	18:41:47	98.288%	1.012	0.903	90.216%	0.026	0.015	-0.061	-0.040
3	18:42:29	99.648%	0.854	0.782	91.386%	0.003	0.016	0.012	0.010
x		98.340%	0.929	0.861	90.403%	0.013	0.017	-0.067	-0.046
σ		1.283%	0.079	0.069	0.904%	0.012	0.003	0.083	0.059
%RSD		1.305	8.554	7.979	1.000	90.340	19.230	122.500	127.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:03	91.240%	-0.474	-0.059	-0.051	-0.033	-0.040	93.523%	94.218%
2	18:41:47	92.135%	-0.548	-0.044	-0.048	-0.048	-0.036	95.240%	95.565%
3	18:42:29	92.557%	-0.555	-0.061	-0.055	-0.048	-0.036	96.443%	96.975%
x		91.977%	-0.526	-0.055	-0.052	-0.043	-0.037	95.069%	95.586%
σ		0.673%	0.045	0.009	0.003	0.009	0.002	1.468%	1.379%
%RSD		0.732	8.565	16.730	6.686	20.300	6.138	1.544	1.442

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:41:03	0.014	0.027	-0.027	-0.024	-0.021	89.341%
2	18:41:47	0.023	0.016	-0.030	-0.037	-0.024	88.115%
3	18:42:29	0.015	0.017	-0.022	-0.031	-0.023	88.778%
x		0.018	0.020	-0.026	-0.031	-0.023	88.744%
σ		0.005	0.006	0.004	0.006	0.001	0.614%
%RSD		27.280	29.770	14.610	21.060	6.166	0.692

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:22	82.863%	46.030	897.400	884.200	0.000	73.580	7.128	7.231
2	18:46:05	84.584%	47.000	894.600	865.800	0.000	58.120	6.872	6.738
3	18:46:47	86.060%	46.420	872.000	854.800	0.000	48.230	7.446	7.693
x		84.502%	46.480	888.000	868.300	0.000	59.980	7.149	7.220
σ		1.600%	0.492	13.930	14.870	0.000	12.780	0.288	0.478
%RSD		1.894	1.058	1.568	1.712	0.000	21.300	4.024	6.614

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:22	1792.000	8230.000	0.000	22.260	524.400	370.700	83.112%	812.800
2	18:46:05	1801.000	8105.000	0.000	25.910	566.600	357.000	81.726%	836.500
3	18:46:47	1796.000	8105.000	0.000	26.410	461.700	370.300	82.989%	838.800
x		1796.000	8147.000	0.000	24.860	517.600	366.000	82.609%	829.300
σ		4.594	72.110	0.000	2.268	52.770	7.764	0.767%	14.420
%RSD		0.256	0.885	0.000	9.122	10.200	2.121	0.929	1.738

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:22	428.000	178.100	441.200	897.600	859.800	444.700	448.300	234.300
2	18:46:05	440.300	182.300	454.000	916.400	907.500	452.100	457.400	237.200
3	18:46:47	438.900	183.900	452.200	917.400	887.600	454.500	459.000	237.400
x		435.700	181.400	449.100	910.400	885.000	450.500	454.900	236.300
σ		6.746	2.996	6.938	11.180	23.920	5.099	5.766	1.715
%RSD		1.548	1.651	1.545	1.227	2.703	1.132	1.268	0.726

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:22	237.100	482.100	485.900	36.960	8.621	10.430	0.000	867.700
2	18:46:05	238.900	489.500	490.200	36.640	7.997	9.314	0.000	870.900
3	18:46:47	241.400	493.900	494.400	35.690	9.001	10.520	0.000	870.400
x		239.200	488.500	490.200	36.430	8.539	10.090	0.000	869.700
σ		2.156	5.945	4.257	0.663	0.507	0.671	0.000	1.742
%RSD		0.902	1.217	0.869	1.821	5.936	6.655	0.000	0.200

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:22	83.537%	857.700	860.300	82.880%	46.500	46.800	44.890	40.970
2	18:46:05	85.557%	874.200	879.100	85.411%	46.740	46.680	45.840	42.310
3	18:46:47	86.722%	887.700	893.600	86.434%	46.670	46.490	46.000	41.030
x		85.272%	873.200	877.700	84.909%	46.640	46.660	45.580	41.440
σ		1.611%	15.050	16.720	1.830%	0.126	0.154	0.596	0.758
%RSD		1.890	1.724	1.905	2.155	0.270	0.331	1.308	1.829

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:22	84.328%	1735.000	436.800	437.900	1762.000	1760.000	88.837%	89.333%
2	18:46:05	86.216%	1740.000	439.000	439.500	1770.000	1761.000	90.641%	91.880%
3	18:46:47	87.011%	1748.000	440.000	443.400	1772.000	1774.000	92.230%	93.365%
x		85.852%	1741.000	438.600	440.300	1768.000	1765.000	90.570%	91.526%
σ		1.378%	6.744	1.673	2.846	5.280	8.063	1.698%	2.039%
%RSD		1.605	0.387	0.382	0.646	0.299	0.457	1.874	2.228

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:22	49.700	49.860	19.950	21.240	20.880	83.261%
2	18:46:05	50.340	50.340	20.110	21.820	21.140	85.276%
3	18:46:47	50.710	50.760	20.010	21.630	20.880	86.581%
x		50.250	50.320	20.020	21.560	20.970	85.039%
σ		0.509	0.453	0.079	0.297	0.151	1.673%
%RSD		1.014	0.900	0.397	1.376	0.720	1.967

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:53:17	76.352%	0.007	496.000	502.600	0.000	1281000.000	163800.000	156600.000
2	18:54:00	77.265%	-0.012	505.700	502.300	0.000	1284000.000	164200.000	157300.000
3	18:54:43	77.060%	0.007	498.500	503.900	0.000	1296000.000	165900.000	158700.000
x		76.892%	0.000	500.100	503.000	0.000	1287000.000	164600.000	157500.000
σ		0.479%	0.011	5.051	0.864	0.000	7934.000	1124.000	1092.000
%RSD		0.623	3377.000	1.010	0.172	0.000	0.617	0.683	0.693

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:53:17	0.095	1628.000	0.000	46370.000	49600.000	48940.000	74.565%	0.977
2	18:54:00	0.239	1616.000	0.000	46530.000	50730.000	49430.000	75.475%	0.380
3	18:54:43	0.252	1635.000	0.000	46500.000	49610.000	49810.000	75.857%	0.449
x		0.195	1626.000	0.000	46470.000	49980.000	49390.000	75.299%	0.602
σ		0.087	9.170	0.000	83.760	649.100	434.300	0.664%	0.327
%RSD		44.560	0.564	0.000	0.180	1.299	0.879	0.881	54.280

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:53:17	-0.589	1.998	2490.000	495.300	690.900	0.144	0.889	10.510
2	18:54:00	-0.387	2.061	2509.000	499.800	696.000	0.127	0.683	10.340
3	18:54:43	-0.682	2.156	2521.000	502.900	673.000	0.150	0.723	10.340
x		-0.552	2.072	2507.000	499.300	686.600	0.140	0.765	10.400
σ		0.151	0.080	15.860	3.793	12.080	0.012	0.110	0.100
%RSD		27.280	3.845	0.632	0.759	1.760	8.474	14.310	0.963

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:53:17	0.346	0.775	0.385	10.180	2.633	6.524	0.000	932.700
2	18:54:00	0.393	0.366	0.548	9.627	1.675	5.166	0.000	932.200
3	18:54:43	0.455	0.649	0.708	10.220	1.467	6.381	0.000	938.000
x		0.398	0.597	0.547	10.010	1.925	6.024	0.000	934.300
σ		0.055	0.210	0.161	0.331	0.622	0.747	0.000	3.230
%RSD		13.700	35.160	29.490	3.302	32.300	12.390	0.000	0.346

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:53:17	78.578%	8.815	8.676	72.263%	0.015	0.026	-0.086	-0.087
2	18:54:00	80.295%	7.531	8.176	73.564%	0.022	0.036	-0.135	-0.076
3	18:54:43	80.771%	7.569	7.486	74.359%	0.029	0.036	-0.160	-0.127
x		79.881%	7.972	8.113	73.395%	0.022	0.033	-0.127	-0.096
σ		1.153%	0.730	0.597	1.058%	0.007	0.006	0.037	0.026
%RSD		1.444	9.161	7.363	1.441	31.510	17.570	29.490	27.450

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:53:17	77.989%	2.063	0.148	0.117	14.470	13.380	83.463%	83.723%
2	18:54:00	79.829%	1.606	0.148	0.162	13.610	13.670	85.756%	85.663%
3	18:54:43	80.199%	1.491	0.106	0.187	13.740	13.740	86.561%	86.789%
x		79.339%	1.720	0.134	0.155	13.940	13.600	85.260%	85.392%
σ		1.183%	0.303	0.024	0.035	0.460	0.188	1.607%	1.551%
%RSD		1.491	17.590	18.110	22.560	3.302	1.382	1.885	1.816

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:53:17	0.135	0.144	0.024	0.020	0.010	72.156%
2	18:54:00	0.121	0.128	0.015	0.009	0.017	71.246%
3	18:54:43	0.106	0.098	0.014	0.026	0.021	71.025%
x		0.121	0.123	0.018	0.018	0.016	71.476%
σ		0.014	0.024	0.005	0.008	0.006	0.599%
%RSD		11.910	19.320	30.820	47.040	34.550	0.839

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:36	86.259%	-0.013	108.000	113.900	0.000	250000.000	32410.000	31570.000
2	18:58:20	85.730%	-0.013	108.900	113.000	0.000	253200.000	32660.000	31690.000
3	18:59:03	84.909%	-0.013	108.000	111.800	0.000	253700.000	32860.000	31460.000
x		85.633%	-0.013	108.300	112.900	0.000	252300.000	32640.000	31570.000
σ		0.681%	0.000	0.513	1.051	0.000	2008.000	224.700	115.100
%RSD		0.795	0.506	0.474	0.931	0.000	0.796	0.689	0.365

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:36	-0.435	341.700	0.000	9361.000	9860.000	9754.000	85.790%	0.369
2	18:58:20	-0.397	333.500	0.000	9442.000	9979.000	9829.000	84.339%	0.118
3	18:59:03	-0.361	330.900	0.000	9392.000	9622.000	9869.000	84.421%	0.096
x		-0.398	335.400	0.000	9398.000	9821.000	9817.000	84.850%	0.195
σ		0.037	5.663	0.000	40.520	181.700	57.960	0.815%	0.151
%RSD		9.329	1.689	0.000	0.431	1.851	0.590	0.961	77.850

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:36	0.167	0.808	487.900	115.100	145.200	0.011	0.222	1.588
2	18:58:20	-0.070	0.740	496.700	116.000	137.700	0.020	0.126	1.471
3	18:59:03	0.085	0.755	492.400	114.300	141.300	0.033	0.222	1.360
x		0.061	0.768	492.300	115.100	141.400	0.021	0.190	1.473
σ		0.120	0.035	4.418	0.833	3.738	0.011	0.055	0.114
%RSD		198.400	4.613	0.897	0.723	2.644	53.130	29.050	7.752

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:36	0.019	-0.393	-0.265	2.129	-0.094	1.855	0.000	185.800
2	18:58:20	0.130	-0.382	-0.328	2.294	-0.688	1.829	0.000	186.600
3	18:59:03	0.029	-0.453	-0.361	2.500	-0.657	2.821	0.000	185.700
x		0.059	-0.409	-0.318	2.308	-0.480	2.168	0.000	186.000
σ		0.061	0.038	0.049	0.186	0.335	0.565	0.000	0.486
%RSD		103.100	9.395	15.290	8.037	69.720	26.070	0.000	0.262

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:36	88.143%	2.664	2.476	83.973%	0.009	0.013	-0.016	-0.017
2	18:58:20	88.760%	2.344	2.263	84.462%	0.013	0.011	-0.063	-0.037
3	18:59:03	88.841%	2.129	1.983	84.827%	0.002	0.007	-0.153	-0.099
x		88.581%	2.379	2.241	84.421%	0.008	0.010	-0.077	-0.051
σ		0.381%	0.269	0.247	0.428%	0.006	0.003	0.069	0.042
%RSD		0.431	11.320	11.040	0.508	73.040	31.630	89.870	83.410

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:36	87.135%	-0.202	-0.028	-0.039	2.690	2.592	90.948%	90.878%
2	18:58:20	87.587%	-0.314	-0.036	-0.022	2.824	2.675	92.999%	93.016%
3	18:59:03	88.294%	-0.383	-0.030	-0.038	2.640	2.773	93.228%	94.134%
x		87.672%	-0.300	-0.032	-0.033	2.718	2.680	92.392%	92.676%
σ		0.584%	0.091	0.004	0.009	0.095	0.090	1.255%	1.654%
%RSD		0.666	30.440	13.980	28.890	3.502	3.375	1.359	1.785

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:36	0.056	0.057	-0.027	-0.009	-0.015	73.301%
2	18:58:20	0.061	0.058	-0.011	0.005	-0.004	75.129%
3	18:59:03	0.045	0.046	-0.020	0.005	-0.010	79.706%
x		0.054	0.054	-0.019	0.000	-0.010	76.045%
σ		0.008	0.007	0.008	0.008	0.005	3.300%
%RSD		15.650	12.260	41.560	9467.000	53.630	4.339

CCV1-2 11/22/2010 7:04:07 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:50	77.517%	98.650	94.960	94.390	0.000	48320.000	49950.000	49180.000
2	19:05:33	76.529%	97.530	93.090	95.070	0.000	49010.000	50830.000	50270.000
3	19:06:16	74.813%	99.590	93.570	96.960	0.000	49710.000	51500.000	50580.000
x		76.286%	98.587%	93.874%	95.471%	0.000	98.026%	101.517%	100.022%
σ		1.368%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.793	1.046	1.030	1.396	0.000	1.412	1.532	1.467

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:50	487.500	4835.000	0.000	47710.000	47000.000	46020.000	81.109%	95.400
2	19:05:33	497.900	4923.000	0.000	48480.000	47420.000	47460.000	79.155%	95.540
3	19:06:16	499.900	4935.000	0.000	48910.000	47370.000	47720.000	78.430%	93.030
x		99.018%	97.960%	0.000	96.736%	94.528%	94.136%	79.565%	94.658%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.386%	n/a
%RSD		1.335	1.119	0.000	1.264	0.480	1.952	1.741	1.488

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:50	91.850	92.330	468.000	23610.000	23400.000	94.340	96.100	96.160
2	19:05:33	96.210	94.740	476.400	24140.000	24020.000	95.580	97.160	98.230
3	19:06:16	93.730	94.690	483.700	24290.000	24190.000	96.530	96.260	98.550
x		93.929%	93.921%	95.202%	96.062%	95.469%	95.486%	96.508%	97.646%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.332	1.470	1.653	1.501	1.741	1.150	0.595	1.329

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:50	96.990	99.770	98.540	97.220	96.870	98.460	0.000	96.690
2	19:05:33	98.160	99.110	103.100	99.390	97.760	100.500	0.000	97.080
3	19:06:16	97.540	99.530	98.480	99.070	98.510	99.610	0.000	96.680
x		97.565%	99.471%	100.033%	98.557%	97.713%	99.512%	0.000	96.814%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.598	0.333	2.630	1.189	0.839	1.012	0.000	0.237

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:50	79.340%	83.900	85.030	75.011%	98.170	98.040	98.170	96.760
2	19:05:33	79.597%	91.770	93.090	75.491%	98.220	98.450	98.230	97.300
3	19:06:16	79.785%	95.800	96.490	75.665%	98.530	98.690	97.800	97.040
x		79.574%	90.491%	91.537%	75.389%	98.304%	98.393%	98.065%	97.034%
σ		0.223%	n/a	n/a	0.339%	n/a	n/a	n/a	n/a
%RSD		0.280	6.689	6.433	0.450	0.201	0.333	0.234	0.281

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:50	78.717%	93.630	94.120	94.070	94.920	94.940	84.656%	84.846%
2	19:05:33	78.942%	92.650	95.430	95.090	96.800	95.270	85.798%	86.208%
3	19:06:16	79.582%	94.320	96.340	95.720	95.050	94.840	86.760%	86.766%
x		79.080%	93.531%	95.297%	94.959%	95.590%	95.017%	85.738%	85.940%
σ		0.449%	n/a	n/a	n/a	n/a	n/a	1.053%	0.988%
%RSD		0.568	0.899	1.168	0.878	1.099	0.236	1.228	1.149

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:04:50	102.600	103.000	103.500	103.900	104.300	81.204%
2	19:05:33	104.000	104.500	105.000	105.200	105.500	81.251%
3	19:06:16	105.100	104.500	104.900	105.300	105.800	81.744%
x		103.918%	103.998%	104.473%	104.795%	105.220%	81.400%
σ		n/a	n/a	n/a	n/a	n/a	0.299%
%RSD		1.203	0.860	0.773	0.738	0.756	0.368

CCB2 11/22/2010 7:11:23 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:12:05	91.086%	-0.014	2.900	2.747	0.000	11.540	0.691	0.472
2	19:12:48	91.996%	0.010	2.231	2.531	0.000	10.110	0.452	0.667
3	19:13:31	91.081%	-0.014	2.097	2.467	0.000	9.883	0.495	0.583
x		91.388%	-0.006	2.409	2.582	0.000	10.510	0.546	0.574
σ		0.527%	0.014	0.430	0.146	0.000	0.901	0.127	0.098
%RSD		0.576	231.700	17.850	5.666	0.000	8.575	23.270	17.100

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:12:05	-0.650	-0.459	0.000	5.765	4.695	10.170	87.736%	-0.126
2	19:12:48	-0.570	-0.413	0.000	5.979	9.011	13.650	89.029%	-0.127
3	19:13:31	-0.562	0.085	0.000	4.068	6.767	12.550	89.113%	-0.127
x		-0.594	-0.262	0.000	5.271	6.824	12.120	88.626%	-0.127
σ		0.049	0.301	0.000	1.047	2.159	1.780	0.772%	0.001
%RSD		8.212	114.900	0.000	19.860	31.630	14.680	0.871	0.820

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:12:05	-0.193	0.017	0.135	9.433	10.210	-0.005	-0.002	0.020
2	19:12:48	0.036	0.013	0.117	8.037	6.778	-0.003	-0.029	-0.020
3	19:13:31	-0.017	0.032	0.123	6.692	5.144	-0.005	0.013	-0.037
x		-0.058	0.020	0.125	8.054	7.377	-0.004	-0.006	-0.012
σ		0.120	0.010	0.009	1.371	2.585	0.001	0.021	0.029
%RSD		206.800	48.850	7.525	17.020	35.050	31.510	355.900	242.800

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:12:05	-0.089	-0.687	-0.638	0.194	-1.162	1.159	0.000	0.000
2	19:12:48	-0.165	-0.783	-0.582	0.280	-1.207	0.875	0.000	-0.002
3	19:13:31	-0.069	-0.795	-0.563	-0.098	-1.393	-0.611	0.000	-0.006
x		-0.108	-0.755	-0.594	0.125	-1.254	0.474	0.000	-0.003
σ		0.051	0.059	0.039	0.198	0.123	0.951	0.000	0.003
%RSD		46.980	7.828	6.575	158.000	9.766	200.500	0.000	119.400

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:12:05	91.755%	1.863	1.907	91.614%	0.015	0.005	-0.109	-0.075
2	19:12:48	92.030%	1.960	1.643	91.921%	0.015	0.014	-0.062	-0.039
3	19:13:31	91.568%	1.529	1.727	91.872%	0.009	0.014	-0.105	-0.075
x		91.785%	1.784	1.759	91.802%	0.013	0.011	-0.092	-0.063
σ		0.232%	0.226	0.135	0.165%	0.003	0.005	0.026	0.021
%RSD		0.253	12.680	7.677	0.180	25.840	45.340	28.320	33.140

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:12:05	91.690%	-0.481	0.236	0.255	-0.010	-0.036	93.010%	93.326%
2	19:12:48	92.420%	-0.478	0.198	0.216	-0.055	-0.040	93.266%	93.647%
3	19:13:31	92.665%	-0.544	0.178	0.211	-0.033	-0.036	93.448%	93.759%
x		92.259%	-0.501	0.204	0.228	-0.033	-0.037	93.241%	93.577%
σ		0.507%	0.037	0.029	0.024	0.022	0.002	0.220%	0.224%
%RSD		0.550	7.447	14.440	10.670	68.130	6.646	0.236	0.240

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:12:05	0.021	0.020	0.026	0.025	0.028	84.466%
2	19:12:48	0.033	0.024	0.007	0.005	0.021	84.221%
3	19:13:31	0.029	0.027	0.015	0.006	0.008	85.115%
x		0.027	0.024	0.016	0.012	0.019	84.601%
σ		0.006	0.004	0.009	0.011	0.011	0.462%
%RSD		22.060	14.950	59.590	91.930	55.800	0.546

L9TWPSF/5 11/22/2010 7:15:43 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:16:26	74.836%	8.510	658.200	656.200	0.000	1269000.000	163400.000	157700.000
2	19:17:09	75.474%	8.704	648.500	639.400	0.000	1269000.000	163200.000	155800.000
3	19:17:52	72.498%	8.727	664.100	665.900	0.000	1320000.000	168900.000	161100.000
x		74.269%	8.647	656.900	653.800	0.000	1286000.000	165200.000	158200.000
σ		1.567%	0.119	7.846	13.380	0.000	29350.000	3244.000	2666.000
%RSD		2.110	1.378	1.194	2.047	0.000	2.283	1.964	1.685

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:16:26	357.000	3373.000	0.000	46510.000	50190.000	49590.000	73.145%	175.900
2	19:17:09	349.200	3301.000	0.000	46470.000	49710.000	49740.000	74.295%	171.400
3	19:17:52	361.800	3353.000	0.000	46710.000	50500.000	49760.000	75.023%	171.300
x		356.000	3343.000	0.000	46560.000	50130.000	49700.000	74.154%	172.900
σ		6.385	37.050	0.000	128.900	399.700	91.360	0.947%	2.605
%RSD		1.794	1.108	0.000	0.277	0.797	0.184	1.277	1.507

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:16:26	90.190	36.710	2623.000	696.300	900.000	87.140	85.600	55.180
2	19:17:09	89.170	36.320	2606.000	687.500	862.600	85.730	85.190	54.080
3	19:17:52	88.380	36.260	2620.000	686.900	855.200	85.890	84.420	54.340
x		89.250	36.430	2616.000	690.200	872.600	86.250	85.070	54.540
σ		0.908	0.244	9.012	5.273	24.000	0.766	0.599	0.574
%RSD		1.018	0.670	0.344	0.764	2.750	0.889	0.704	1.053

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:16:26	43.690	92.510	90.370	16.140	3.651	6.902	0.000	1141.000
2	19:17:09	43.550	90.110	90.870	17.230	3.096	7.927	0.000	1138.000
3	19:17:52	43.200	91.010	90.470	16.650	2.998	8.585	0.000	1144.000
x		43.480	91.210	90.570	16.670	3.248	7.805	0.000	1141.000
σ		0.252	1.214	0.267	0.547	0.352	0.848	0.000	2.824
%RSD		0.580	1.331	0.294	3.279	10.840	10.860	0.000	0.247

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:16:26	74.041%	181.300	185.500	70.270%	8.848	8.895	8.399	8.067
2	19:17:09	77.057%	189.200	191.800	72.344%	8.603	8.821	8.774	7.938
3	19:17:52	78.124%	194.000	195.900	73.540%	8.500	8.474	8.686	7.910
x		76.407%	188.200	191.100	72.052%	8.650	8.730	8.620	7.972
σ		2.118%	6.369	5.223	1.655%	0.179	0.225	0.196	0.084
%RSD		2.772	3.385	2.733	2.296	2.064	2.576	2.273	1.049

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:16:26	75.338%	346.000	90.410	91.100	368.100	368.300	80.501%	81.091%
2	19:17:09	77.365%	350.400	90.790	91.030	370.400	370.300	83.913%	85.127%
3	19:17:52	79.730%	345.200	90.940	90.270	372.900	369.000	85.940%	87.474%
x		77.478%	347.200	90.710	90.800	370.500	369.200	83.451%	84.564%
σ		2.198%	2.828	0.274	0.459	2.373	1.018	2.749%	3.228%
%RSD		2.837	0.815	0.302	0.505	0.641	0.276	3.294	3.818

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:16:26	8.767	8.785	3.545	3.763	3.676	82.574%
2	19:17:09	10.280	10.110	3.946	4.366	4.138	74.770%
3	19:17:52	10.410	10.440	3.998	4.483	4.325	74.068%
x		9.820	9.779	3.830	4.204	4.046	77.137%
σ		0.914	0.877	0.248	0.386	0.334	4.722%
%RSD		9.313	8.964	6.483	9.187	8.253	6.121

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:46	74.313%	9.138	658.400	651.600	0.000	1308000.000	167700.000	160600.000
2	19:21:29	74.574%	8.434	647.400	647.900	0.000	1318000.000	168600.000	160100.000
3	19:22:12	75.420%	8.834	667.700	639.200	0.000	1320000.000	168300.000	159200.000
x		74.769%	8.802	657.800	646.200	0.000	1315000.000	168200.000	159900.000
σ		0.579%	0.353	10.140	6.383	0.000	6597.000	439.000	683.200
%RSD		0.774	4.010	1.541	0.988	0.000	0.502	0.261	0.427

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:46	366.700	3281.000	0.000	47190.000	50970.000	49860.000	76.022%	168.200
2	19:21:29	366.200	3303.000	0.000	47850.000	50970.000	50600.000	76.081%	175.900
3	19:22:12	362.700	3252.000	0.000	47670.000	51210.000	50440.000	75.617%	168.100
x		365.200	3279.000	0.000	47570.000	51050.000	50300.000	75.907%	170.700
σ		2.187	25.530	0.000	342.000	138.700	389.400	0.252%	4.470
%RSD		0.599	0.779	0.000	0.719	0.272	0.774	0.333	2.618

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:46	90.840	37.380	2606.000	681.900	858.600	88.130	86.920	52.410
2	19:21:29	92.770	37.890	2636.000	688.000	869.100	88.910	87.710	52.950
3	19:22:12	92.870	38.160	2654.000	691.600	857.600	88.850	88.660	51.920
x		92.160	37.810	2632.000	687.200	861.800	88.630	87.760	52.430
σ		1.143	0.397	24.140	4.897	6.401	0.433	0.867	0.516
%RSD		1.240	1.049	0.917	0.713	0.743	0.488	0.988	0.983

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:46	44.500	95.140	91.690	17.010	3.983	7.447	0.000	1107.000
2	19:21:29	44.700	94.550	92.990	17.030	4.421	9.453	0.000	1106.000
3	19:22:12	43.710	92.850	93.260	17.100	4.420	7.224	0.000	1112.000
x		44.300	94.180	92.650	17.050	4.275	8.041	0.000	1108.000
σ		0.524	1.188	0.838	0.048	0.253	1.227	0.000	3.090
%RSD		1.182	1.262	0.904	0.280	5.908	15.260	0.000	0.279

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:46	82.424%	180.500	186.800	74.164%	9.298	8.747	9.498	8.280
2	19:21:29	83.694%	186.200	192.700	74.744%	9.220	9.066	9.298	8.273
3	19:22:12	83.823%	188.000	195.200	75.098%	9.165	9.163	8.782	8.118
x		83.313%	184.900	191.600	74.668%	9.228	8.992	9.193	8.224
σ		0.773%	3.875	4.326	0.472%	0.067	0.218	0.370	0.091
%RSD		0.928	2.096	2.258	0.632	0.724	2.420	4.021	1.112

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:46	78.888%	348.900	90.470	90.840	388.600	387.800	85.734%	86.765%
2	19:21:29	81.343%	346.300	89.870	90.190	390.300	384.900	87.228%	88.567%
3	19:22:12	81.238%	346.800	91.150	90.910	387.600	382.100	88.905%	88.504%
x		80.489%	347.300	90.490	90.650	388.800	385.000	87.289%	87.945%
σ		1.388%	1.401	0.641	0.396	1.348	2.876	1.587%	1.023%
%RSD		1.725	0.404	0.708	0.437	0.347	0.747	1.818	1.163

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:20:46	10.410	10.570	4.157	4.459	4.353	76.585%
2	19:21:29	10.740	10.850	4.191	4.587	4.431	76.002%
3	19:22:12	10.930	11.080	4.317	4.642	4.473	75.006%
x		10.690	10.830	4.222	4.563	4.419	75.864%
σ		0.262	0.259	0.084	0.094	0.061	0.799%
%RSD		2.454	2.390	1.995	2.052	1.371	1.053

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:28:00	87.027%	-0.014	6.538	6.116	0.000	83.660	1.292	0.487
2	19:28:43	87.620%	0.011	5.672	5.295	0.000	74.140	0.614	0.566
3	19:29:26	87.247%	0.003	5.903	5.359	0.000	72.310	1.106	1.502
x		87.298%	0.000	6.038	5.590	0.000	76.700	1.004	0.852
σ		0.300%	0.013	0.448	0.457	0.000	6.097	0.350	0.564
%RSD		0.343	3358.000	7.423	8.175	0.000	7.949	34.890	66.280

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:28:00	-0.803	0.463	0.000	10.320	-4.392	8.082	87.963%	-0.022
2	19:28:43	-0.821	0.346	0.000	9.832	-6.664	5.446	87.377%	-0.083
3	19:29:26	-0.816	0.721	0.000	8.859	-6.664	8.593	87.496%	-0.083
x		-0.813	0.510	0.000	9.670	-5.907	7.374	87.612%	-0.063
σ		0.009	0.192	0.000	0.744	1.311	1.689	0.310%	0.036
%RSD		1.096	37.600	0.000	7.689	22.200	22.900	0.354	56.570

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:28:00	-0.783	0.288	-0.026	6.701	-4.053	-0.007	-0.013	0.307
2	19:28:43	-0.196	0.277	-0.029	4.824	-6.541	-0.001	-0.013	0.257
3	19:29:26	-0.614	0.249	-0.008	3.904	-2.457	-0.010	-0.023	0.138
x		-0.531	0.272	-0.021	5.143	-4.350	-0.006	-0.016	0.234
σ		0.302	0.020	0.012	1.426	2.058	0.005	0.006	0.087
%RSD		56.920	7.466	55.490	27.720	47.310	72.790	37.370	37.190

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:28:00	-0.007	-0.776	-0.580	0.456	-1.597	1.190	0.000	-0.006
2	19:28:43	-0.059	-0.869	-0.727	0.615	-1.475	1.752	0.000	-0.007
3	19:29:26	-0.060	-0.727	-0.750	0.105	-1.693	0.668	0.000	-0.002
x		-0.042	-0.791	-0.686	0.392	-1.588	1.203	0.000	-0.005
σ		0.030	0.072	0.092	0.261	0.109	0.542	0.000	0.003
%RSD		71.870	9.072	13.410	66.620	6.863	45.030	0.000	48.160

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:28:00	92.662%	2.122	2.211	91.355%	0.009	0.003	-0.059	-0.034
2	19:28:43	93.328%	1.787	1.875	92.761%	0.003	0.000	-0.096	-0.048
3	19:29:26	93.375%	1.605	1.603	92.845%	0.005	0.006	-0.089	-0.069
x		93.122%	1.838	1.897	92.320%	0.006	0.003	-0.081	-0.050
σ		0.399%	0.262	0.304	0.837%	0.003	0.003	0.020	0.017
%RSD		0.428	14.270	16.060	0.907	52.900	87.650	24.030	34.720

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:28:00	93.413%	0.815	-0.001	-0.003	-0.019	-0.044	94.823%	94.994%
2	19:28:43	94.626%	0.497	-0.006	0.005	-0.034	-0.032	96.924%	97.007%
3	19:29:26	95.479%	0.261	-0.013	0.020	-0.027	-0.032	97.925%	98.673%
x		94.506%	0.524	-0.007	0.007	-0.026	-0.036	96.557%	96.891%
σ		1.038%	0.278	0.006	0.012	0.008	0.007	1.583%	1.842%
%RSD		1.098	52.970	92.090	160.400	28.600	19.280	1.639	1.902

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:28:00	0.054	0.049	-0.030	-0.028	-0.020	88.897%
2	19:28:43	0.029	0.029	-0.044	-0.031	-0.028	89.225%
3	19:29:26	0.032	0.030	-0.030	-0.024	-0.022	89.250%
x		0.039	0.036	-0.035	-0.028	-0.024	89.124%
σ		0.014	0.011	0.008	0.003	0.004	0.197%
%RSD		35.250	31.500	22.700	11.990	17.710	0.221

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:16	81.382%	45.170	863.300	859.100	0.000	128.600	8.274	7.239
2	19:32:59	81.803%	45.590	863.000	840.000	0.000	103.400	7.273	7.100
3	19:33:43	82.653%	44.520	870.900	822.700	0.000	88.060	7.063	7.181
x		81.946%	45.090	865.700	840.600	0.000	106.700	7.537	7.173
σ		0.647%	0.537	4.476	18.210	0.000	20.490	0.647	0.070
%RSD		0.790	1.190	0.517	2.166	0.000	19.210	8.587	0.969

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:16	1777.000	8155.000	0.000	23.720	510.400	375.400	81.092%	835.700
2	19:32:59	1789.000	8153.000	0.000	26.700	514.400	370.700	80.416%	847.200
3	19:33:43	1787.000	8058.000	0.000	25.630	555.000	361.700	81.347%	846.700
x		1784.000	8122.000	0.000	25.350	526.600	369.300	80.952%	843.200
σ		6.508	55.430	0.000	1.507	24.710	6.924	0.481%	6.476
%RSD		0.365	0.682	0.000	5.944	4.693	1.875	0.595	0.768

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:16	436.000	179.800	446.500	912.200	872.600	453.000	457.300	236.600
2	19:32:59	442.700	180.500	453.900	926.900	890.500	457.300	456.500	234.800
3	19:33:43	436.900	180.800	451.000	919.600	896.500	454.500	458.700	238.700
x		438.500	180.400	450.500	919.600	886.500	454.900	457.500	236.700
σ		3.643	0.488	3.701	7.350	12.450	2.140	1.094	1.955
%RSD		0.831	0.270	0.822	0.799	1.404	0.470	0.239	0.826

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:16	239.100	468.000	465.000	35.100	7.923	9.349	0.000	865.200
2	19:32:59	236.100	473.600	476.500	35.170	7.544	10.430	0.000	867.300
3	19:33:43	241.500	478.800	474.500	35.140	7.531	9.499	0.000	869.900
x		238.900	473.500	472.000	35.140	7.666	9.761	0.000	867.500
σ		2.718	5.379	6.124	0.035	0.223	0.588	0.000	2.337
%RSD		1.138	1.136	1.298	0.099	2.906	6.025	0.000	0.269

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:16	83.847%	885.200	891.200	82.848%	46.110	46.190	44.950	39.900
2	19:32:59	86.210%	890.600	898.800	84.644%	45.800	46.270	44.630	40.240
3	19:33:43	86.196%	906.300	911.000	85.424%	46.330	46.230	45.770	40.280
x		85.417%	894.000	900.300	84.306%	46.080	46.230	45.120	40.140
σ		1.360%	10.980	10.010	1.321%	0.267	0.045	0.589	0.207
%RSD		1.593	1.228	1.112	1.567	0.578	0.097	1.304	0.516

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:16	85.010%	1740.000	434.700	435.600	1763.000	1763.000	89.693%	89.745%
2	19:32:59	86.643%	1753.000	440.000	439.800	1769.000	1764.000	92.427%	92.485%
3	19:33:43	87.300%	1759.000	439.500	443.000	1770.000	1767.000	93.798%	94.531%
x		86.318%	1751.000	438.000	439.500	1767.000	1765.000	91.973%	92.254%
σ		1.179%	9.791	2.943	3.737	3.549	2.214	2.090%	2.402%
%RSD		1.366	0.559	0.672	0.850	0.201	0.126	2.273	2.603

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:32:16	49.840	50.720	20.010	21.790	20.930	83.574%
2	19:32:59	50.310	50.950	20.170	21.580	21.050	85.885%
3	19:33:43	50.930	50.870	19.990	21.540	20.990	87.467%
x		50.360	50.850	20.060	21.640	20.990	85.642%
σ		0.543	0.114	0.100	0.135	0.062	1.958%
%RSD		1.079	0.225	0.497	0.624	0.295	2.286

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:34	82.710%	46.390	885.200	833.300	0.000	70.500	7.145	8.046
2	19:37:17	82.704%	46.140	891.000	831.900	0.000	64.920	8.237	7.266
3	19:38:00	82.775%	45.800	863.200	837.400	0.000	58.260	7.717	7.515
x		82.730%	46.110	879.800	834.200	0.000	64.560	7.700	7.609
σ		0.039%	0.292	14.650	2.872	0.000	6.123	0.546	0.399
%RSD		0.048	0.634	1.665	0.344	0.000	9.485	7.094	5.238

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:34	1792.000	8234.000	0.000	33.150	523.500	366.000	82.077%	857.000
2	19:37:17	1790.000	8170.000	0.000	31.900	435.900	359.400	82.572%	855.000
3	19:38:00	1782.000	8047.000	0.000	34.720	503.800	352.200	82.537%	843.600
x		1788.000	8150.000	0.000	33.250	487.700	359.200	82.396%	851.800
σ		5.201	95.410	0.000	1.411	45.980	6.870	0.276%	7.234
%RSD		0.291	1.171	0.000	4.243	9.427	1.913	0.335	0.849

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:34	439.400	180.200	448.300	911.900	876.900	453.000	460.700	237.100
2	19:37:17	437.700	180.400	454.300	913.800	899.200	452.800	454.700	235.500
3	19:38:00	440.500	182.700	454.500	918.700	889.400	459.000	456.500	235.600
x		439.200	181.100	452.400	914.800	888.500	454.900	457.300	236.100
σ		1.446	1.380	3.499	3.508	11.160	3.536	3.086	0.908
%RSD		0.329	0.762	0.773	0.384	1.256	0.777	0.675	0.385

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:34	235.900	480.000	475.500	36.250	7.699	9.466	0.000	864.000
2	19:37:17	239.600	478.600	480.600	34.850	8.020	10.330	0.000	867.700
3	19:38:00	238.800	483.100	484.600	35.940	7.878	9.633	0.000	869.100
x		238.100	480.500	480.200	35.680	7.866	9.810	0.000	866.900
σ		1.934	2.304	4.554	0.734	0.161	0.460	0.000	2.642
%RSD		0.812	0.479	0.948	2.056	2.045	4.688	0.000	0.305

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:34	87.121%	905.400	907.600	85.459%	45.860	45.720	44.210	40.750
2	19:37:17	88.147%	908.100	914.500	87.269%	46.080	46.370	45.080	40.310
3	19:38:00	89.153%	917.000	923.200	87.971%	46.310	45.950	45.080	39.840
x		88.141%	910.100	915.100	86.900%	46.080	46.010	44.790	40.300
σ		1.016%	6.052	7.864	1.296%	0.225	0.330	0.504	0.455
%RSD		1.153	0.665	0.859	1.491	0.488	0.716	1.126	1.128

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:34	87.548%	1766.000	440.600	445.300	1764.000	1760.000	93.534%	93.895%
2	19:37:17	88.972%	1778.000	446.100	446.500	1773.000	1764.000	95.538%	96.108%
3	19:38:00	90.733%	1769.000	442.400	444.300	1766.000	1764.000	96.743%	97.584%
x		89.085%	1771.000	443.000	445.400	1768.000	1763.000	95.272%	95.862%
σ		1.596%	6.254	2.807	1.132	4.521	2.588	1.621%	1.857%
%RSD		1.791	0.353	0.634	0.254	0.256	0.147	1.701	1.937

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:36:34	50.010	50.790	20.150	21.640	20.970	86.928%
2	19:37:17	50.640	50.980	19.840	21.720	20.820	89.447%
3	19:38:00	51.200	50.940	19.610	21.940	20.970	90.470%
x		50.620	50.900	19.870	21.770	20.920	88.949%
σ		0.596	0.099	0.274	0.158	0.087	1.823%
%RSD		1.177	0.194	1.377	0.725	0.417	2.049

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:29	80.221%	0.069	425.500	424.700	0.000	1202000.000	153300.000	146300.000
2	19:45:12	79.521%	0.015	433.900	424.100	0.000	1212000.000	155000.000	147300.000
3	19:45:55	77.571%	0.035	425.200	425.900	0.000	1234000.000	157100.000	148200.000
x		79.104%	0.040	428.200	424.900	0.000	1216000.000	155100.000	147300.000
σ		1.373%	0.028	4.978	0.896	0.000	16240.000	1902.000	905.400
%RSD		1.736	69.640	1.163	0.211	0.000	1.336	1.226	0.615
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:29	406.700	1570.000	0.000	44540.000	45540.000	44680.000	78.462%	8.134
2	19:45:12	402.300	1539.000	0.000	45330.000	45830.000	45600.000	78.700%	7.217
3	19:45:55	405.900	1529.000	0.000	45300.000	45780.000	45820.000	77.999%	7.720
x		405.000	1546.000	0.000	45060.000	45720.000	45370.000	78.387%	7.690
σ		2.335	21.140	0.000	448.300	155.800	603.600	0.357%	0.459
%RSD		0.577	1.367	0.000	0.995	0.341	1.331	0.455	5.972
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:29	1.968	2.586	1297.000	347.800	521.500	0.274	0.691	4.473
2	19:45:12	1.389	2.613	1308.000	348.600	499.600	0.248	0.563	4.567
3	19:45:55	0.851	2.788	1310.000	347.300	508.300	0.218	0.456	4.536
x		1.403	2.662	1305.000	347.900	509.800	0.246	0.570	4.525
σ		0.558	0.110	7.097	0.657	11.050	0.028	0.117	0.048
%RSD		39.800	4.121	0.544	0.189	2.168	11.350	20.600	1.064
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:29	0.676	1.347	1.360	3.226	0.843	5.580	0.000	841.100
2	19:45:12	0.665	1.363	1.403	2.102	0.816	6.498	0.000	838.000
3	19:45:55	0.628	1.415	1.375	2.492	0.295	5.547	0.000	828.600
x		0.657	1.375	1.379	2.607	0.651	5.875	0.000	835.900
σ		0.025	0.035	0.022	0.571	0.309	0.539	0.000	6.511
%RSD		3.841	2.565	1.607	21.900	47.390	9.183	0.000	0.779
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:29	81.438%	7.558	7.592	74.612%	0.002	0.007	-0.075	-0.085
2	19:45:12	83.450%	6.635	6.566	76.458%	0.008	0.012	-0.103	-0.097
3	19:45:55	85.085%	6.140	6.073	77.592%	0.011	0.003	-0.098	-0.068
x		83.324%	6.777	6.744	76.221%	0.007	0.007	-0.092	-0.083
σ		1.827%	0.720	0.775	1.504%	0.005	0.004	0.015	0.014
%RSD		2.192	10.620	11.490	1.974	70.070	55.530	16.700	17.370
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:44:29	79.887%	2.780	0.156	0.137	9.193	8.615	85.053%	86.008%
2	19:45:12	82.821%	2.447	0.134	0.140	8.580	8.992	88.415%	88.933%
3	19:45:55	83.301%	1.962	0.101	0.107	8.486	8.848	89.790%	90.320%
x		82.003%	2.396	0.130	0.128	8.753	8.818	87.753%	88.420%
σ		1.848%	0.411	0.027	0.018	0.384	0.190	2.437%	2.201%
%RSD		2.253	17.160	20.980	14.180	4.390	2.159	2.777	2.489
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	19:44:29	0.123	0.133	0.269	0.234	0.256	72.121%		
2	19:45:12	0.085	0.096	0.277	0.266	0.268	72.590%		
3	19:45:55	0.081	0.096	0.253	0.256	0.257	73.336%		
x		0.096	0.109	0.266	0.252	0.260	72.682%		
σ		0.023	0.021	0.012	0.016	0.007	0.613%		
%RSD		24.010	19.740	4.601	6.470	2.656	0.843		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:48:47	88.233%	0.028	98.960	97.740	0.000	240200.000	31170.000	30050.000
2	19:49:31	86.789%	-0.013	95.430	96.710	0.000	242600.000	31570.000	30250.000
3	19:50:14	87.608%	-0.022	95.230	97.220	0.000	243100.000	31470.000	30480.000
x		87.543%	-0.003	96.540	97.220	0.000	242000.000	31400.000	30260.000
σ		0.724%	0.027	2.095	0.517	0.000	1529.000	208.700	216.200
%RSD		0.827	1056.000	2.170	0.532	0.000	0.632	0.665	0.715

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:48:47	82.240	321.500	0.000	9142.000	9001.000	9157.000	86.831%	1.860
2	19:49:31	85.270	327.800	0.000	9144.000	9111.000	9223.000	86.844%	1.036
3	19:50:14	85.090	325.200	0.000	9200.000	9158.000	9236.000	86.624%	1.737
x		84.200	324.800	0.000	9162.000	9090.000	9205.000	86.766%	1.544
σ		1.698	3.187	0.000	32.900	80.710	42.250	0.123%	0.444
%RSD		2.016	0.981	0.000	0.359	0.888	0.459	0.142	28.770

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:48:47	-0.120	0.890	265.900	84.320	95.670	0.040	0.123	0.729
2	19:49:31	-0.162	0.828	265.100	83.740	100.800	0.046	0.143	0.603
3	19:50:14	-0.235	0.841	266.000	83.640	109.600	0.043	0.127	0.569
x		-0.172	0.853	265.700	83.900	102.000	0.043	0.131	0.633
σ		0.058	0.033	0.517	0.366	7.019	0.003	0.011	0.084
%RSD		33.730	3.839	0.195	0.437	6.880	6.712	8.164	13.310

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:48:47	0.051	-0.399	-0.372	0.758	-0.544	2.888	0.000	169.300
2	19:49:31	0.010	-0.286	-0.314	0.957	-0.977	3.034	0.000	169.300
3	19:50:14	0.028	-0.293	-0.274	0.553	-0.751	1.852	0.000	169.100
x		0.030	-0.326	-0.320	0.756	-0.757	2.592	0.000	169.200
σ		0.020	0.063	0.049	0.202	0.217	0.644	0.000	0.111
%RSD		68.210	19.310	15.450	26.740	28.610	24.870	0.000	0.066

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:48:47	90.137%	2.318	2.251	86.433%	0.004	-0.004	-0.108	-0.090
2	19:49:31	90.305%	2.286	2.123	86.303%	0.000	0.006	-0.073	-0.048
3	19:50:14	90.664%	2.136	2.196	86.386%	0.003	0.009	-0.039	-0.026
x		90.369%	2.247	2.190	86.374%	0.002	0.004	-0.073	-0.055
σ		0.269%	0.097	0.064	0.066%	0.002	0.007	0.035	0.033
%RSD		0.298	4.328	2.919	0.076	86.560	191.900	47.680	59.860

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:48:47	89.172%	-0.234	-0.026	-0.018	1.827	1.752	93.275%	93.647%
2	19:49:31	89.145%	-0.304	-0.019	0.011	1.902	1.764	94.268%	94.643%
3	19:50:14	89.897%	-0.305	-0.026	-0.037	1.916	1.839	94.204%	94.362%
x		89.405%	-0.281	-0.024	-0.015	1.882	1.785	93.916%	94.217%
σ		0.427%	0.041	0.004	0.024	0.048	0.047	0.556%	0.513%
%RSD		0.477	14.440	16.640	163.900	2.533	2.621	0.592	0.545

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:48:47	0.074	0.068	0.039	0.018	0.033	74.131%
2	19:49:31	0.066	0.061	0.008	0.032	0.015	78.173%
3	19:50:14	0.066	0.063	0.032	0.027	0.035	75.842%
x		0.068	0.064	0.026	0.026	0.028	76.049%
σ		0.005	0.004	0.016	0.007	0.011	2.029%
%RSD		7.074	6.097	61.740	26.720	40.940	2.668

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:44	89.441%	0.027	4.741	5.369	0.000	49.750	0.184	-0.016
2	19:57:26	89.797%	0.011	3.879	4.788	0.000	47.530	0.077	0.161
3	19:58:09	90.519%	-0.014	4.207	4.591	0.000	43.150	0.702	0.341
x		89.919%	0.008	4.276	4.916	0.000	46.810	0.321	0.162
σ		0.549%	0.021	0.435	0.405	0.000	3.358	0.334	0.179
%RSD		0.611	257.000	10.170	8.230	0.000	7.174	104.100	110.600

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:44	-0.906	1.257	0.000	8.529	-2.130	11.480	88.017%	-0.147
2	19:57:26	-0.913	1.074	0.000	8.318	-6.664	8.708	86.907%	-0.124
3	19:58:09	-0.967	0.728	0.000	8.523	-4.376	9.347	87.125%	-0.188
x		-0.929	1.020	0.000	8.457	-4.390	9.844	87.350%	-0.153
σ		0.033	0.269	0.000	0.120	2.267	1.450	0.588%	0.032
%RSD		3.596	26.340	0.000	1.419	51.640	14.730	0.673	21.020

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:44	0.194	0.401	-0.089	3.696	-4.222	-0.005	-0.023	0.047
2	19:57:26	-0.470	0.379	-0.089	3.044	-4.569	-0.006	0.004	0.074
3	19:58:09	-0.213	0.356	-0.094	1.700	-7.054	-0.006	-0.007	0.013
x		-0.163	0.379	-0.091	2.813	-5.281	-0.006	-0.009	0.045
σ		0.335	0.022	0.003	1.018	1.545	0.001	0.013	0.030
%RSD		204.900	5.917	3.542	36.180	29.250	11.690	153.200	68.080

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:44	-0.089	-0.754	-0.698	0.270	-1.340	1.197	0.000	-0.008
2	19:57:26	-0.049	-0.797	-0.714	0.071	-1.775	1.269	0.000	-0.008
3	19:58:09	-0.053	-0.779	-0.776	-0.276	-1.749	0.590	0.000	-0.002
x		-0.064	-0.776	-0.729	0.021	-1.621	1.019	0.000	-0.006
σ		0.022	0.021	0.041	0.276	0.244	0.373	0.000	0.003
%RSD		34.580	2.748	5.652	1293.000	15.060	36.590	0.000	55.030

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:44	90.727%	0.544	0.628	90.223%	0.007	-0.000	-0.118	-0.070
2	19:57:26	91.455%	0.672	0.660	90.969%	0.000	-0.000	-0.063	-0.032
3	19:58:09	91.591%	0.776	0.747	90.575%	-0.004	-0.001	-0.068	-0.041
x		91.258%	0.664	0.678	90.589%	0.001	-0.001	-0.083	-0.048
σ		0.465%	0.116	0.062	0.373%	0.006	0.001	0.031	0.020
%RSD		0.509	17.520	9.112	0.412	558.800	120.500	36.780	41.720

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:44	91.386%	-0.478	-0.045	-0.055	0.005	-0.031	92.541%	93.206%
2	19:57:26	91.666%	-0.487	-0.070	-0.060	-0.018	-0.036	93.524%	94.616%
3	19:58:09	91.893%	-0.523	-0.048	-0.053	-0.026	-0.036	93.897%	94.935%
x		91.648%	-0.496	-0.054	-0.056	-0.013	-0.034	93.320%	94.252%
σ		0.254%	0.024	0.013	0.003	0.016	0.003	0.701%	0.920%
%RSD		0.277	4.784	24.780	6.182	122.100	7.471	0.751	0.976

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	19:56:44	0.021	0.022	-0.048	-0.037	-0.031	92.232%
2	19:57:26	0.042	0.025	-0.029	-0.011	-0.023	89.512%
3	19:58:09	0.023	0.027	-0.033	-0.026	-0.023	87.730%
x		0.028	0.024	-0.037	-0.025	-0.026	89.825%
σ		0.011	0.003	0.010	0.013	0.005	2.268%
%RSD		40.360	10.690	27.250	53.180	18.320	2.524

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:02	80.886%	45.900	869.300	843.300	0.000	45090.000	47750.000	45860.000
2	20:01:45	82.104%	44.980	852.000	822.800	0.000	44990.000	47640.000	45620.000
3	20:02:28	78.740%	45.490	867.900	838.700	0.000	45840.000	48660.000	46480.000
x		80.577%	45.460	863.100	834.900	0.000	45310.000	48020.000	45990.000
σ		1.703%	0.460	9.587	10.730	0.000	462.600	563.400	447.200
%RSD		2.113	1.012	1.111	1.285	0.000	1.021	1.173	0.972

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:02	1773.000	8100.000	0.000	43770.000	44180.000	43730.000	80.439%	847.700
2	20:01:45	1755.000	7936.000	0.000	44000.000	44600.000	44200.000	78.953%	850.400
3	20:02:28	1770.000	7939.000	0.000	44700.000	44400.000	44600.000	77.898%	851.400
x		1766.000	7992.000	0.000	44160.000	44390.000	44180.000	79.097%	849.900
σ		9.726	94.150	0.000	486.400	205.600	433.900	1.276%	1.906
%RSD		0.551	1.178	0.000	1.101	0.463	0.982	1.614	0.224

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:02	437.800	177.400	439.900	894.900	1043.000	440.400	439.600	226.400
2	20:01:45	442.700	179.600	446.000	903.600	1059.000	448.000	441.800	227.100
3	20:02:28	440.400	178.800	451.700	911.800	1067.000	448.300	445.100	227.900
x		440.300	178.600	445.900	903.400	1056.000	445.500	442.200	227.100
σ		2.445	1.079	5.882	8.465	12.220	4.489	2.782	0.742
%RSD		0.555	0.604	1.319	0.937	1.157	1.008	0.629	0.327

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:02	228.000	458.100	460.000	35.960	7.691	9.619	0.000	883.000
2	20:01:45	227.500	467.100	464.400	35.240	8.241	9.428	0.000	874.100
3	20:02:28	230.800	475.200	477.300	34.910	8.892	9.919	0.000	874.000
x		228.800	466.800	467.200	35.370	8.274	9.655	0.000	877.000
σ		1.747	8.550	8.980	0.539	0.601	0.248	0.000	5.147
%RSD		0.764	1.832	1.922	1.523	7.265	2.566	0.000	0.587

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:02	81.774%	903.400	916.600	78.545%	45.840	45.700	46.130	40.730
2	20:01:45	83.346%	917.000	927.900	79.712%	45.710	45.810	44.960	40.630
3	20:02:28	83.193%	928.200	939.000	80.079%	45.750	45.440	44.890	40.400
x		82.771%	916.200	927.800	79.445%	45.770	45.650	45.330	40.590
σ		0.867%	12.400	11.230	0.801%	0.069	0.189	0.694	0.170
%RSD		1.048	1.354	1.210	1.008	0.151	0.414	1.530	0.419

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:02	81.960%	1738.000	441.300	442.200	1777.000	1769.000	87.310%	87.631%
2	20:01:45	83.112%	1751.000	445.500	446.200	1769.000	1780.000	89.122%	90.148%
3	20:02:28	83.281%	1751.000	445.800	448.200	1775.000	1766.000	90.659%	91.205%
x		82.785%	1747.000	444.200	445.500	1774.000	1772.000	89.030%	89.661%
σ		0.719%	7.356	2.508	3.071	4.081	7.233	1.677%	1.836%
%RSD		0.869	0.421	0.565	0.689	0.230	0.408	1.883	2.048

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:02	53.370	53.950	21.060	23.160	22.310	74.902%
2	20:01:45	53.670	53.900	21.550	22.880	22.320	77.184%
3	20:02:28	51.880	52.450	20.390	22.670	21.490	81.452%
x		52.980	53.430	21.000	22.900	22.040	77.846%
σ		0.958	0.852	0.582	0.248	0.477	3.325%
%RSD		1.809	1.594	2.773	1.081	2.163	4.271

L9L03/5 11/22/2010 8:08:16 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:08:59	84.795%	-0.005	41.260	41.080	0.000	15320.000	3579.000	3492.000
2	20:09:41	84.519%	-0.013	41.510	41.120	0.000	15360.000	3619.000	3519.000
3	20:10:24	82.571%	0.005	42.200	41.020	0.000	15540.000	3625.000	3477.000
x		83.962%	-0.004	41.660	41.070	0.000	15410.000	3608.000	3496.000
σ		1.212%	0.009	0.487	0.050	0.000	117.000	25.270	21.340
%RSD		1.444	207.600	1.168	0.122	0.000	0.760	0.700	0.610

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:08:59	80.900	563.400	0.000	1508.000	9240.000	9218.000	78.832%	1.609
2	20:09:41	85.410	548.700	0.000	1519.000	9523.000	9312.000	78.141%	3.054
3	20:10:24	76.960	533.800	0.000	1512.000	9178.000	9238.000	76.973%	1.580
x		81.090	548.600	0.000	1513.000	9314.000	9256.000	77.982%	2.081
σ		4.229	14.810	0.000	5.782	184.300	49.700	0.940%	0.843
%RSD		5.215	2.699	0.000	0.382	1.978	0.537	1.205	40.500

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:08:59	-1.029	1.626	5.154	94.880	122.000	0.126	1.126	1.371
2	20:09:41	-0.103	1.522	5.103	93.830	125.400	0.111	0.930	1.244
3	20:10:24	-0.200	1.552	4.936	94.670	127.300	0.117	0.991	1.319
x		-0.444	1.567	5.064	94.460	124.900	0.118	1.016	1.311
σ		0.509	0.053	0.114	0.554	2.705	0.007	0.101	0.064
%RSD		114.600	3.409	2.248	0.587	2.165	6.226	9.897	4.864

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:08:59	1.337	4.452	4.831	0.114	0.002	0.327	0.000	39.150
2	20:09:41	1.008	4.692	5.082	0.444	-0.337	1.580	0.000	39.280
3	20:10:24	1.240	4.449	4.834	0.872	-0.107	1.525	0.000	39.820
x		1.195	4.531	4.915	0.477	-0.147	1.144	0.000	39.420
σ		0.169	0.139	0.144	0.380	0.173	0.708	0.000	0.353
%RSD		14.150	3.069	2.929	79.700	117.300	61.910	0.000	0.897

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:08:59	82.147%	5.784	5.633	81.137%	0.010	0.007	-0.081	-0.064
2	20:09:41	82.423%	5.045	4.790	81.434%	0.021	0.019	-0.136	-0.099
3	20:10:24	82.533%	4.252	3.976	81.260%	0.004	0.016	-0.055	-0.032
x		82.368%	5.027	4.799	81.277%	0.012	0.014	-0.091	-0.065
σ		0.199%	0.767	0.829	0.149%	0.009	0.006	0.041	0.033
%RSD		0.242	15.250	17.260	0.184	74.750	46.170	45.160	51.280

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:08:59	83.067%	1.318	0.091	0.098	3.571	3.678	86.450%	85.850%
2	20:09:41	83.877%	0.881	0.119	0.127	3.649	3.693	87.283%	87.628%
3	20:10:24	83.418%	0.580	0.139	0.115	3.790	3.443	88.122%	88.860%
x		83.454%	0.926	0.117	0.113	3.670	3.605	87.285%	87.446%
σ		0.406%	0.371	0.024	0.015	0.111	0.141	0.836%	1.513%
%RSD		0.487	40.040	20.650	12.850	3.030	3.897	0.957	1.730

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:08:59	0.135	0.145	0.769	0.681	0.720	82.312%
2	20:09:41	0.106	0.105	0.714	0.780	0.750	80.689%
3	20:10:24	0.086	0.093	0.791	0.732	0.757	81.326%
x		0.109	0.114	0.758	0.731	0.742	81.442%
σ		0.024	0.027	0.039	0.050	0.020	0.818%
%RSD		22.410	23.750	5.188	6.772	2.697	1.004

CCV1-3 11/22/2010 8:15:29 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:12	77.561%	97.970	93.630	93.430	0.000	49110.000	50720.000	49700.000
2	20:16:55	76.748%	96.170	89.510	91.000	0.000	49030.000	51140.000	50290.000
3	20:17:38	77.141%	97.370	98.910	93.070	0.000	48960.000	51140.000	50270.000
x		77.150%	97.168%	94.013%	92.502%	0.000	98.063%	102.000%	100.176%
σ		0.407%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.527	0.940	5.012	1.418	0.000	0.150	0.478	0.677

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:12	492.100	4869.000	0.000	48360.000	47250.000	46950.000	80.919%	94.870
2	20:16:55	493.800	4883.000	0.000	48840.000	47780.000	47720.000	79.207%	92.810
3	20:17:38	498.600	4870.000	0.000	49220.000	48860.000	48240.000	78.254%	97.340
x		98.967%	97.482%	0.000	97.613%	95.920%	95.273%	79.460%	95.007%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.350%	n/a
%RSD		0.677	0.162	0.000	0.882	1.712	1.368	1.699	2.387

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:12	93.000	93.850	475.100	23750.000	23650.000	95.630	94.370	97.570
2	20:16:55	94.800	95.020	482.900	24250.000	24120.000	95.940	97.540	98.250
3	20:17:38	93.990	95.580	484.200	24380.000	24320.000	97.560	98.190	99.480
x		93.930%	94.817%	96.148%	96.501%	96.118%	96.376%	96.697%	98.433%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.963	0.930	1.027	1.393	1.420	1.074	2.114	0.982

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:12	97.220	99.780	100.900	98.950	100.600	98.610	0.000	97.820
2	20:16:55	98.110	101.600	100.200	99.900	99.790	101.400	0.000	98.260
3	20:17:38	100.500	101.400	100.800	100.000	100.900	102.900	0.000	97.950
x		98.606%	100.940%	100.651%	99.626%	100.436%	100.978%	0.000	98.010%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.708	1.001	0.397	0.589	0.586	2.176	0.000	0.230

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:12	79.998%	84.230	84.660	76.552%	98.880	97.680	98.900	97.190
2	20:16:55	80.204%	92.270	93.500	76.569%	99.260	98.730	97.610	97.000
3	20:17:38	79.722%	95.370	97.000	75.945%	98.830	97.890	99.080	97.220
x		79.975%	90.620%	91.720%	76.355%	98.987%	98.099%	98.532%	97.137%
σ		0.242%	n/a	n/a	0.355%	n/a	n/a	n/a	n/a
%RSD		0.303	6.345	6.932	0.465	0.238	0.566	0.813	0.124

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:12	80.021%	93.420	95.490	94.810	95.480	96.120	86.607%	87.328%
2	20:16:55	80.448%	94.930	96.580	96.140	96.180	96.640	87.387%	87.373%
3	20:17:38	79.641%	94.370	97.960	98.230	96.010	97.010	86.780%	87.436%
x		80.037%	94.239%	96.678%	96.395%	95.888%	96.590%	86.925%	87.379%
σ		0.403%	n/a	n/a	n/a	n/a	n/a	0.410%	0.054%
%RSD		0.504	0.811	1.281	1.790	0.382	0.462	0.471	0.062

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:12	105.300	105.800	105.600	107.000	107.100	81.688%
2	20:16:55	106.200	107.000	107.500	107.700	108.200	81.007%
3	20:17:38	106.700	107.200	107.100	106.900	108.300	80.967%
x		106.085%	106.655%	106.739%	107.220%	107.869%	81.220%
σ		n/a	n/a	n/a	n/a	n/a	0.405%
%RSD		0.684	0.740	0.976	0.398	0.599	0.499

CCB3 11/22/2010 8:22:44 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:27	87.491%	-0.022	2.700	3.373	0.000	5.456	1.592	1.308
2	20:24:10	91.477%	-0.022	3.317	3.188	0.000	2.990	0.930	1.392
3	20:24:53	90.057%	0.035	3.815	3.048	0.000	4.208	1.863	1.486
x		89.675%	-0.003	3.277	3.203	0.000	4.218	1.462	1.395
σ		2.020%	0.033	0.559	0.163	0.000	1.233	0.480	0.089
%RSD		2.253	1107.000	17.050	5.088	0.000	29.240	32.840	6.398

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:27	-0.469	-0.536	0.000	14.700	9.304	17.800	87.545%	-0.167
2	20:24:10	-0.542	-0.618	0.000	11.490	9.011	19.320	89.057%	-0.107
3	20:24:53	-0.636	0.048	0.000	11.840	6.776	13.640	89.104%	-0.148
x		-0.549	-0.368	0.000	12.680	8.363	16.920	88.569%	-0.141
σ		0.083	0.363	0.000	1.761	1.383	2.941	0.887%	0.031
%RSD		15.210	98.560	0.000	13.890	16.540	17.380	1.001	21.910

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:27	-0.027	0.032	0.106	8.843	10.640	-0.000	0.019	-0.090
2	20:24:10	0.071	0.015	0.116	6.879	9.441	-0.004	0.007	-0.126
3	20:24:53	-0.005	-0.015	0.138	5.663	7.492	-0.004	-0.008	-0.101
x		0.013	0.010	0.120	7.128	9.191	-0.003	0.006	-0.106
σ		0.052	0.024	0.016	1.605	1.588	0.002	0.014	0.019
%RSD		396.800	230.700	13.710	22.510	17.280	80.170	221.700	17.580

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:27	-0.120	-0.748	-0.532	0.572	-1.351	2.842	0.000	-0.001
2	20:24:10	-0.122	-0.736	-0.601	0.294	-1.098	1.205	0.000	0.008
3	20:24:53	-0.087	-0.749	-0.738	0.331	-1.823	1.313	0.000	0.004
x		-0.110	-0.745	-0.624	0.399	-1.424	1.787	0.000	0.004
σ		0.019	0.007	0.105	0.151	0.368	0.916	0.000	0.005
%RSD		17.660	0.956	16.800	37.820	25.830	51.250	0.000	131.100

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:27	91.268%	1.592	1.749	90.699%	0.009	0.008	-0.109	-0.063
2	20:24:10	92.984%	1.630	1.608	92.092%	0.002	-0.005	-0.030	-0.015
3	20:24:53	93.301%	1.382	1.448	92.176%	-0.005	-0.006	-0.092	-0.062
x		92.518%	1.535	1.602	91.656%	0.002	-0.001	-0.077	-0.047
σ		1.094%	0.133	0.150	0.829%	0.007	0.008	0.042	0.027
%RSD		1.182	8.690	9.379	0.905	306.400	668.100	53.930	58.170

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:27	92.692%	-0.542	0.186	0.201	-0.041	-0.032	93.556%	93.689%
2	20:24:10	93.785%	-0.522	0.184	0.186	-0.033	-0.023	94.796%	94.896%
3	20:24:53	93.228%	-0.507	0.187	0.177	-0.033	-0.040	95.307%	95.645%
x		93.235%	-0.524	0.185	0.188	-0.036	-0.032	94.553%	94.743%
σ		0.547%	0.018	0.002	0.012	0.004	0.008	0.900%	0.987%
%RSD		0.586	3.358	1.020	6.379	11.560	26.360	0.952	1.042

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:27	0.026	0.023	0.011	0.008	0.011	84.398%
2	20:24:10	0.025	0.023	-0.026	0.017	0.001	85.531%
3	20:24:53	0.021	0.019	-0.001	0.006	0.007	86.423%
x		0.024	0.022	-0.005	0.010	0.006	85.451%
σ		0.003	0.003	0.019	0.006	0.005	1.015%
%RSD		10.910	11.690	347.900	54.610	81.230	1.188

L9TT8 11/22/2010 8:27:05 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:48	65.293%	0.034	1957.000	1880.000	0.000	4867000.000	827000.000	742100.000
2	20:28:31	62.396%	0.036	1973.000	1862.000	0.000	5053000.000	833000.000	746300.000
3	20:29:14	61.387%	0.085	1987.000	1858.000	0.000	5102000.000	841200.000	746100.000
x		63.026%	0.052	1972.000	1866.000	0.000	5007000.000	833700.000	744800.000
σ		2.027%	0.029	14.920	11.660	0.000	124100.000	7110.000	2338.000
%RSD		3.217	55.340	0.756	0.625	0.000	2.477	0.853	0.314

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:48	1465.000	3696.000	0.000	236100.000	248700.000	265500.000	65.889%	32.500
2	20:28:31	1462.000	3715.000	0.000	246100.000	255300.000	274000.000	64.033%	31.020
3	20:29:14	1462.000	3724.000	0.000	250600.000	258800.000	276200.000	64.075%	33.970
x		1463.000	3712.000	0.000	244300.000	254300.000	271900.000	64.666%	32.490
σ		1.977	14.180	0.000	7395.000	5150.000	5673.000	1.060%	1.477
%RSD		0.135	0.382	0.000	3.027	2.026	2.086	1.639	4.545

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:48	4.956	8.445	27.390	1269.000	2153.000	1.277	1.517	44.630
2	20:28:31	6.392	9.273	28.020	1298.000	2134.000	1.226	1.660	43.870
3	20:29:14	8.794	9.517	27.870	1310.000	2117.000	1.396	1.549	36.060
x		6.714	9.078	27.760	1292.000	2135.000	1.300	1.575	41.520
σ		1.939	0.561	0.326	21.140	17.980	0.088	0.075	4.746
%RSD		28.890	6.184	1.174	1.636	0.843	6.749	4.748	11.430

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:48	2.491	6.038	5.807	8.029	5.729	29.530	0.000	4657.000
2	20:28:31	2.585	6.135	5.547	9.165	6.581	27.140	0.000	4690.000
3	20:29:14	2.664	6.108	6.172	7.071	6.354	28.450	0.000	4714.000
x		2.580	6.094	5.842	8.088	6.221	28.370	0.000	4687.000
σ		0.087	0.050	0.314	1.048	0.441	1.199	0.000	28.740
%RSD		3.371	0.817	5.373	12.960	7.088	4.227	0.000	0.613

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:48	70.496%	10.680	10.650	59.629%	0.022	0.019	0.006	-0.043
2	20:28:31	71.734%	10.050	9.709	60.755%	0.021	0.012	-0.065	-0.157
3	20:29:14	72.809%	9.939	9.503	61.146%	0.031	0.018	-0.029	-0.010
x		71.680%	10.220	9.954	60.510%	0.025	0.016	-0.029	-0.070
σ		1.158%	0.397	0.612	0.787%	0.005	0.004	0.035	0.077
%RSD		1.615	3.880	6.149	1.301	21.100	24.470	120.600	110.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:48	66.999%	14.000	0.874	0.994	24.490	24.990	75.144%	75.190%
2	20:28:31	69.259%	12.210	0.524	0.784	25.420	24.430	77.039%	78.258%
3	20:29:14	69.795%	10.430	0.422	0.621	24.580	24.670	78.326%	79.056%
x		68.685%	12.210	0.606	0.799	24.830	24.700	76.836%	77.502%
σ		1.484%	1.783	0.237	0.187	0.512	0.284	1.601%	2.041%
%RSD		2.161	14.600	39.100	23.400	2.062	1.149	2.083	2.634

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:48	0.073	0.075	1.126	1.158	1.180	55.981%
2	20:28:31	0.070	0.068	1.072	1.139	1.142	57.852%
3	20:29:14	0.067	0.071	1.171	1.237	1.158	58.916%
x		0.070	0.071	1.123	1.178	1.160	57.583%
σ		0.003	0.004	0.050	0.052	0.019	1.486%
%RSD		4.100	5.396	4.431	4.413	1.645	2.581

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:07	81.418%	0.032	449.400	436.800	0.000	1333000.000	169300.000	160000.000
2	20:32:50	78.704%	-0.003	449.400	435.200	0.000	1351000.000	170700.000	159400.000
3	20:33:34	75.994%	0.026	450.900	426.300	0.000	1380000.000	171500.000	161500.000
x		78.705%	0.018	449.900	432.700	0.000	1355000.000	170500.000	160300.000
σ		2.712%	0.019	0.868	5.657	0.000	23820.000	1099.000	1068.000
%RSD		3.446	103.900	0.193	1.307	0.000	1.758	0.644	0.666

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:07	317.500	829.100	0.000	49280.000	51240.000	50810.000	81.367%	6.296
2	20:32:50	321.100	835.500	0.000	49900.000	50910.000	51500.000	80.842%	6.110
3	20:33:34	323.500	837.300	0.000	50660.000	53100.000	52230.000	77.586%	6.745
x		320.700	834.000	0.000	49950.000	51750.000	51510.000	79.931%	6.383
σ		3.028	4.306	0.000	692.300	1179.000	708.000	2.049%	0.327
%RSD		0.944	0.516	0.000	1.386	2.278	1.374	2.563	5.118

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:07	1.233	3.617	5.730	282.500	468.600	0.204	0.157	1.896
2	20:32:50	1.192	3.384	5.660	278.000	453.800	0.195	0.261	1.883
3	20:33:34	2.720	3.363	5.706	283.700	444.500	0.178	0.363	1.899
x		1.715	3.455	5.699	281.400	455.600	0.192	0.260	1.893
σ		0.871	0.141	0.036	3.017	12.140	0.013	0.103	0.009
%RSD		50.760	4.086	0.624	1.072	2.664	6.622	39.720	0.462

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:07	0.733	0.846	0.470	2.698	0.556	8.589	0.000	919.400
2	20:32:50	0.684	0.765	0.740	2.571	1.562	9.008	0.000	921.300
3	20:33:34	0.700	0.954	0.906	1.908	1.499	8.381	0.000	930.000
x		0.706	0.855	0.705	2.392	1.206	8.659	0.000	923.600
σ		0.025	0.095	0.220	0.424	0.564	0.319	0.000	5.635
%RSD		3.544	11.080	31.210	17.740	46.730	3.689	0.000	0.610

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:07	86.710%	2.280	1.920	78.042%	-0.001	-0.001	-0.071	-0.036
2	20:32:50	86.860%	2.289	2.052	78.665%	0.003	0.002	-0.108	-0.082
3	20:33:34	85.923%	2.386	1.921	77.743%	-0.001	0.001	-0.106	-0.065
x		86.497%	2.318	1.964	78.150%	0.001	0.001	-0.095	-0.061
σ		0.503%	0.059	0.076	0.470%	0.002	0.001	0.021	0.023
%RSD		0.582	2.531	3.849	0.602	371.800	202.400	21.930	38.440

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:07	84.430%	0.607	0.012	0.001	5.282	5.095	89.298%	89.576%
2	20:32:50	84.501%	0.535	0.006	0.038	5.170	5.080	91.422%	91.691%
3	20:33:34	84.949%	0.557	0.004	0.055	5.041	5.025	90.916%	91.440%
x		84.627%	0.567	0.007	0.031	5.164	5.067	90.546%	90.902%
σ		0.281%	0.037	0.004	0.028	0.121	0.037	1.109%	1.155%
%RSD		0.332	6.569	56.890	88.900	2.340	0.722	1.225	1.271

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:32:07	0.031	0.018	0.155	0.208	0.219	70.635%
2	20:32:50	0.009	0.024	0.195	0.207	0.191	72.475%
3	20:33:34	0.018	0.021	0.183	0.178	0.189	72.564%
x		0.019	0.021	0.178	0.198	0.200	71.892%
σ		0.011	0.003	0.020	0.017	0.017	1.089%
%RSD		55.930	12.730	11.440	8.703	8.270	1.515

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:28	58.438%	38.590	2673.000	2486.000	0.000	5353000.000	925700.000	826600.000
2	20:37:11	60.347%	38.840	2709.000	2506.000	0.000	5170000.000	918300.000	809100.000
3	20:37:53	58.019%	39.390	2696.000	2486.000	0.000	5332000.000	916200.000	812200.000
x		58.935%	38.940	2692.000	2493.000	0.000	5285000.000	920100.000	816000.000
σ		1.241%	0.414	18.560	11.110	0.000	100100.000	4984.000	9367.000
%RSD		2.106	1.063	0.690	0.446	0.000	1.894	0.542	1.148

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:28	4188.000	12420.000	0.000	307000.000	317000.000	339700.000	61.180%	878.100
2	20:37:11	4316.000	12430.000	0.000	305400.000	314100.000	333000.000	63.672%	856.700
3	20:37:53	4101.000	12300.000	0.000	305500.000	315000.000	334500.000	62.283%	868.500
x		4202.000	12380.000	0.000	306000.000	315400.000	335700.000	62.378%	867.700
σ		108.100	72.700	0.000	851.500	1490.000	3520.000	1.248%	10.750
%RSD		2.572	0.587	0.000	0.278	0.472	1.049	2.001	1.239

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:28	430.600	172.700	452.900	2434.000	3328.000	396.200	370.400	199.500
2	20:37:11	421.600	171.000	444.800	2385.000	3293.000	389.500	371.200	200.000
3	20:37:53	423.800	169.900	445.500	2300.000	3247.000	388.200	368.600	199.200
x		425.400	171.200	447.700	2373.000	3289.000	391.300	370.100	199.600
σ		4.704	1.450	4.440	67.590	40.940	4.308	1.298	0.392
%RSD		1.106	0.847	0.992	2.848	1.245	1.101	0.351	0.196

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:28	191.300	429.600	429.800	42.590	15.340	41.090	0.000	5900.000
2	20:37:11	186.200	419.300	419.700	41.080	15.050	40.960	0.000	5762.000
3	20:37:53	184.700	422.100	421.300	40.570	15.190	37.280	0.000	5761.000
x		187.400	423.700	423.600	41.410	15.190	39.780	0.000	5808.000
σ		3.454	5.296	5.393	1.053	0.143	2.162	0.000	79.900
%RSD		1.844	1.250	1.273	2.543	0.945	5.435	0.000	1.376

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:28	68.822%	953.200	989.800	57.721%	41.850	41.150	43.770	37.600
2	20:37:11	71.538%	941.900	982.200	59.653%	40.970	40.580	41.880	36.640
3	20:37:53	70.997%	942.800	987.900	59.073%	41.380	40.420	41.250	36.620
x		70.452%	946.000	986.700	58.815%	41.400	40.720	42.300	36.950
σ		1.437%	6.257	3.941	0.991%	0.439	0.386	1.308	0.558
%RSD		2.040	0.661	0.399	1.686	1.061	0.947	3.093	1.510

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:28	65.445%	1737.000	455.000	457.200	1810.000	1801.000	74.230%	74.658%
2	20:37:11	67.620%	1697.000	444.500	445.800	1744.000	1755.000	76.816%	77.063%
3	20:37:53	66.831%	1709.000	447.800	449.100	1762.000	1765.000	76.999%	76.780%
x		66.632%	1714.000	449.100	450.700	1772.000	1774.000	76.015%	76.167%
σ		1.101%	20.630	5.368	5.877	33.820	24.210	1.548%	1.315%
%RSD		1.652	1.203	1.195	1.304	1.908	1.365	2.037	1.726

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:36:28	53.580	54.000	22.190	24.410	23.630	55.653%
2	20:37:11	53.030	54.020	21.800	23.920	23.260	56.662%
3	20:37:53	53.270	53.380	22.140	24.270	23.320	56.794%
x		53.290	53.800	22.040	24.200	23.410	56.370%
σ		0.274	0.367	0.211	0.255	0.199	0.624%
%RSD		0.515	0.682	0.958	1.055	0.849	1.107

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:47	59.315%	38.430	2592.000	2426.000	0.000	5225000.000	873100.000	776700.000
2	20:41:30	59.543%	38.540	2609.000	2412.000	0.000	5140000.000	857100.000	755300.000
3	20:42:13	60.511%	37.090	2508.000	2336.000	0.000	5124000.000	843200.000	746200.000
x		59.790%	38.020	2569.000	2391.000	0.000	5163000.000	857800.000	759400.000
σ		0.635%	0.806	54.070	48.420	0.000	54350.000	14970.000	15660.000
%RSD		1.062	2.120	2.104	2.025	0.000	1.053	1.745	2.062

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:47	4010.000	11980.000	0.000	289800.000	296600.000	317300.000	62.958%	847.700
2	20:41:30	4052.000	11740.000	0.000	281900.000	289700.000	306800.000	65.050%	821.300
3	20:42:13	3844.000	11550.000	0.000	282400.000	290600.000	308900.000	63.933%	817.100
x		3969.000	11760.000	0.000	284700.000	292300.000	311000.000	63.980%	828.700
σ		110.100	217.800	0.000	4448.000	3773.000	5577.000	1.047%	16.630
%RSD		2.774	1.853	0.000	1.562	1.291	1.793	1.636	2.007

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:47	422.600	170.000	439.800	2295.000	3214.000	386.300	368.500	196.900
2	20:41:30	404.900	163.600	425.900	2139.000	3082.000	376.400	354.700	190.500
3	20:42:13	413.400	165.500	429.600	2153.000	3087.000	378.300	360.900	193.400
x		413.700	166.300	431.800	2196.000	3128.000	380.300	361.400	193.600
σ		8.835	3.285	7.230	86.540	75.010	5.232	6.911	3.185
%RSD		2.136	1.975	1.674	3.941	2.398	1.376	1.913	1.645

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:47	189.300	416.600	416.900	40.430	17.440	38.030	0.000	5478.000
2	20:41:30	181.800	404.300	404.800	42.210	18.470	34.200	0.000	5317.000
3	20:42:13	182.900	407.900	408.200	39.090	21.160	35.530	0.000	5336.000
x		184.700	409.600	410.000	40.580	19.020	35.920	0.000	5377.000
σ		4.080	6.324	6.196	1.567	1.918	1.947	0.000	88.170
%RSD		2.209	1.544	1.511	3.862	10.080	5.419	0.000	1.640

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:47	70.080%	916.900	948.800	59.138%	40.840	40.340	40.400	36.130
2	20:41:30	72.318%	897.900	934.100	61.340%	39.210	38.730	38.290	35.090
3	20:42:13	71.679%	900.700	939.200	60.565%	40.010	39.120	39.240	34.810
x		71.359%	905.200	940.700	60.348%	40.020	39.400	39.310	35.340
σ		1.153%	10.270	7.471	1.117%	0.818	0.838	1.055	0.698
%RSD		1.616	1.134	0.794	1.851	2.043	2.128	2.683	1.976

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:47	66.567%	1653.000	432.000	433.600	1734.000	1729.000	75.252%	75.783%
2	20:41:30	69.078%	1600.000	421.000	423.200	1691.000	1693.000	76.605%	78.036%
3	20:42:13	68.829%	1606.000	419.200	421.200	1677.000	1690.000	77.778%	78.456%
x		68.158%	1620.000	424.000	426.000	1700.000	1704.000	76.545%	77.425%
σ		1.383%	29.180	6.951	6.665	29.850	21.920	1.264%	1.437%
%RSD		2.030	1.801	1.639	1.565	1.756	1.286	1.651	1.856

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:40:47	52.290	53.270	22.060	23.920	23.250	55.676%
2	20:41:30	51.470	51.760	21.390	23.120	22.530	57.842%
3	20:42:13	51.190	52.020	21.190	22.930	22.400	57.741%
x		51.650	52.350	21.550	23.320	22.730	57.086%
σ		0.569	0.808	0.455	0.523	0.458	1.222%
%RSD		1.101	1.543	2.113	2.245	2.015	2.141

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:44	54.706%	0.190	2035.000	1921.000	0.000	5635000.000	860700.000	766100.000
2	20:49:27	53.416%	0.222	2053.000	1913.000	0.000	5727000.000	850900.000	760300.000
3	20:50:10	54.662%	0.204	1991.000	1876.000	0.000	5610000.000	843900.000	749400.000
x		54.262%	0.205	2026.000	1904.000	0.000	5657000.000	851800.000	758600.000
σ		0.733%	0.016	32.200	24.040	0.000	61430.000	8452.000	8519.000
%RSD		1.350	7.831	1.589	1.263	0.000	1.086	0.992	1.123

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:44	5361.000	9916.000	0.000	254300.000	266300.000	283300.000	58.395%	100.900
2	20:49:27	5322.000	9816.000	0.000	256900.000	266900.000	282500.000	57.902%	109.400
3	20:50:10	5241.000	9834.000	0.000	256100.000	267300.000	281200.000	58.968%	108.500
x		5308.000	9855.000	0.000	255700.000	266800.000	282300.000	58.422%	106.300
σ		60.800	53.610	0.000	1340.000	482.900	1067.000	0.534%	4.720
%RSD		1.145	0.544	0.000	0.524	0.181	0.378	0.913	4.441

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:44	13.400	14.580	112.800	5237.000	5893.000	2.156	2.687	15.540
2	20:49:27	15.170	14.420	113.300	5215.000	5842.000	2.041	2.465	19.060
3	20:50:10	15.000	13.820	112.100	5199.000	5853.000	1.921	2.406	22.020
x		14.530	14.270	112.700	5217.000	5863.000	2.039	2.519	18.870
σ		0.974	0.401	0.604	19.250	26.670	0.118	0.148	3.249
%RSD		6.708	2.807	0.536	0.369	0.455	5.769	5.877	17.210

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:44	3.994	16.630	17.330	10.810	20.180	30.850	0.000	4782.000
2	20:49:27	4.033	16.470	16.260	10.310	21.960	30.030	0.000	4704.000
3	20:50:10	3.974	16.620	16.260	9.287	24.060	29.580	0.000	4698.000
x		4.000	16.570	16.620	10.140	22.070	30.150	0.000	4728.000
σ		0.030	0.090	0.621	0.775	1.940	0.646	0.000	46.810
%RSD		0.747	0.545	3.736	7.650	8.790	2.142	0.000	0.990

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:44	66.686%	13.740	13.480	55.197%	0.015	0.015	-0.195	-0.078
2	20:49:27	68.658%	12.810	12.200	56.429%	0.010	0.007	0.011	-0.105
3	20:50:10	69.683%	11.410	10.990	57.394%	0.039	0.012	-0.195	-0.137
x		68.342%	12.660	12.220	56.340%	0.021	0.011	-0.126	-0.107
σ		1.523%	1.172	1.243	1.101%	0.016	0.004	0.119	0.030
%RSD		2.228	9.257	10.170	1.955	73.160	35.340	94.450	28.010

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:44	63.250%	10.090	0.306	0.457	29.660	30.640	71.426%	72.090%
2	20:49:27	64.993%	8.258	0.259	0.416	29.770	30.090	73.902%	74.343%
3	20:50:10	65.741%	6.855	0.267	0.451	30.660	29.800	75.018%	75.675%
x		64.661%	8.400	0.278	0.441	30.030	30.180	73.449%	74.036%
σ		1.278%	1.620	0.025	0.022	0.547	0.426	1.839%	1.812%
%RSD		1.977	19.290	9.026	4.999	1.823	1.412	2.503	2.448

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:44	0.220	0.242	4.249	3.967	4.113	53.653%
2	20:49:27	0.203	0.201	4.150	3.964	4.136	55.542%
3	20:50:10	0.197	0.168	4.041	4.016	4.038	55.938%
x		0.207	0.203	4.147	3.982	4.095	55.044%
σ		0.012	0.037	0.104	0.029	0.051	1.221%
%RSD		5.728	18.360	2.513	0.730	1.248	2.218

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:01	83.437%	0.005	27.750	26.760	0.000	1587.000	25.970	25.570
2	20:53:45	83.944%	0.004	21.800	23.460	0.000	1231.000	22.460	19.780
3	20:54:28	83.255%	0.005	19.730	19.960	0.000	988.000	18.960	17.360
x		83.545%	0.005	23.090	23.390	0.000	1269.000	22.460	20.900
σ		0.357%	0.000	4.165	3.402	0.000	301.300	3.505	4.218
%RSD		0.428	2.238	18.030	14.540	0.000	23.750	15.600	20.180

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:01	1.985	21.680	0.000	186.000	11.410	53.180	77.043%	0.842
2	20:53:45	1.770	19.060	0.000	172.900	-6.664	46.960	75.937%	0.689
3	20:54:28	2.051	17.310	0.000	166.500	9.057	45.760	75.868%	0.714
x		1.935	19.350	0.000	175.100	4.601	48.630	76.282%	0.749
σ		0.147	2.202	0.000	9.919	9.826	3.984	0.660%	0.082
%RSD		7.581	11.380	0.000	5.665	213.600	8.192	0.865	10.990

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:01	-1.530	5.181	0.060	11.560	3.373	-0.000	0.100	2.028
2	20:53:45	0.006	5.277	0.046	8.213	-3.595	-0.007	0.126	1.697
3	20:54:28	0.791	5.401	0.102	6.616	-2.651	-0.004	0.078	1.604
x		-0.244	5.287	0.069	8.797	-0.958	-0.004	0.102	1.776
σ		1.181	0.110	0.029	2.524	3.780	0.003	0.024	0.223
%RSD		483.800	2.088	42.000	28.690	394.800	91.110	23.540	12.570

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:01	0.500	0.261	0.539	0.654	10.680	4.119	0.000	0.067
2	20:53:45	0.486	0.496	0.578	1.253	9.954	3.657	0.000	0.045
3	20:54:28	0.515	0.221	0.648	0.021	9.886	2.951	0.000	0.036
x		0.500	0.326	0.588	0.643	10.170	3.576	0.000	0.049
σ		0.014	0.149	0.055	0.616	0.440	0.589	0.000	0.016
%RSD		2.896	45.590	9.310	95.820	4.321	16.460	0.000	32.590

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:01	81.674%	2.610	2.053	79.567%	-0.002	-0.001	-0.167	-0.105
2	20:53:45	81.857%	2.447	1.940	80.281%	-0.002	0.007	-0.142	-0.088
3	20:54:28	80.962%	2.236	1.709	79.990%	0.009	0.007	-0.147	-0.114
x		81.497%	2.431	1.901	79.946%	0.002	0.004	-0.152	-0.102
σ		0.473%	0.187	0.176	0.359%	0.007	0.004	0.013	0.013
%RSD		0.580	7.707	9.238	0.449	395.400	98.090	8.629	12.810

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:01	82.203%	2.597	0.036	0.041	-0.031	-0.025	85.957%	87.100%
2	20:53:45	82.862%	2.671	0.018	0.032	0.001	-0.011	88.552%	88.524%
3	20:54:28	83.489%	2.561	0.016	0.011	-0.007	0.025	87.972%	89.123%
x		82.851%	2.610	0.023	0.028	-0.012	-0.003	87.494%	88.249%
σ		0.643%	0.056	0.011	0.015	0.017	0.026	1.362%	1.039%
%RSD		0.776	2.149	48.400	54.610	137.500	753.100	1.557	1.178

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:01	0.090	0.093	0.011	0.010	0.009	79.705%
2	20:53:45	0.104	0.100	0.008	0.039	0.023	81.024%
3	20:54:28	0.097	0.089	-0.003	0.004	0.003	81.386%
x		0.097	0.094	0.005	0.017	0.012	80.705%
σ		0.007	0.006	0.008	0.019	0.011	0.885%
%RSD		7.088	5.993	145.800	108.500	90.780	1.096

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:14	95.263%	-0.007	9.409	8.840	0.000	393.900	6.664	5.867
2	21:00:57	93.917%	-0.006	8.317	8.512	0.000	376.200	7.166	7.042
3	21:01:40	93.589%	-0.014	7.539	8.142	0.000	380.900	10.330	9.758
x		94.256%	-0.009	8.421	8.498	0.000	383.700	8.054	7.556
σ		0.887%	0.004	0.939	0.349	0.000	9.175	1.989	1.995
%RSD		0.942	49.220	11.150	4.112	0.000	2.391	24.700	26.410

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:14	0.810	0.052	0.000	127.700	4.076	26.510	92.844%	0.007
2	21:00:57	-0.086	0.007	0.000	130.100	-0.124	27.340	91.477%	-0.030
3	21:01:40	-0.165	0.294	0.000	133.300	-0.059	23.600	90.552%	0.033
x		0.186	0.117	0.000	130.400	1.298	25.820	91.624%	0.003
σ		0.541	0.155	0.000	2.763	2.406	1.963	1.153%	0.032
%RSD		290.400	131.600	0.000	2.119	185.400	7.603	1.259	919.300

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:14	0.738	1.107	-0.104	-3.708	-9.464	-0.006	0.017	1.195
2	21:00:57	-0.651	0.983	-0.086	-4.421	-10.010	-0.008	-0.003	1.123
3	21:01:40	0.102	0.846	-0.122	-4.508	-13.790	-0.004	-0.018	1.133
x		0.063	0.979	-0.104	-4.212	-11.090	-0.006	-0.001	1.150
σ		0.695	0.131	0.018	0.439	2.357	0.002	0.018	0.039
%RSD		1109.000	13.360	17.170	10.410	21.260	37.840	1365.000	3.418

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:14	0.221	-0.705	-0.538	-0.149	13.440	0.626	0.000	-0.002
2	21:00:57	0.145	-0.684	-0.484	-0.037	14.260	0.839	0.000	0.003
3	21:01:40	0.104	-0.643	-0.497	0.325	14.560	0.856	0.000	0.028
x		0.157	-0.677	-0.506	0.046	14.090	0.774	0.000	0.010
σ		0.059	0.031	0.028	0.248	0.578	0.128	0.000	0.016
%RSD		37.820	4.640	5.559	538.000	4.099	16.510	0.000	162.300

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:14	88.428%	1.526	0.423	89.981%	-0.002	-0.002	-0.216	-0.132
2	21:00:57	88.882%	1.292	0.400	90.427%	-0.004	-0.009	-0.147	-0.100
3	21:01:40	88.247%	1.454	0.424	90.255%	-0.008	-0.011	-0.151	-0.098
x		88.519%	1.424	0.416	90.221%	-0.005	-0.007	-0.171	-0.110
σ		0.327%	0.120	0.014	0.225%	0.003	0.004	0.039	0.019
%RSD		0.369	8.412	3.313	0.250	63.810	59.920	22.590	17.390

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:14	90.237%	1.868	-0.073	-0.073	-0.025	-0.002	95.217%	95.824%
2	21:00:57	91.314%	1.677	-0.070	-0.068	-0.033	-0.002	96.164%	97.126%
3	21:01:40	90.576%	1.659	-0.058	-0.048	-0.041	-0.040	96.125%	96.767%
x		90.709%	1.735	-0.067	-0.063	-0.033	-0.015	95.835%	96.572%
σ		0.551%	0.116	0.008	0.013	0.008	0.022	0.536%	0.672%
%RSD		0.607	6.672	12.040	21.100	22.760	150.300	0.559	0.696

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:14	0.024	0.023	-0.048	-0.028	-0.033	90.978%
2	21:00:57	0.024	0.024	-0.024	-0.011	-0.019	89.746%
3	21:01:40	0.016	0.022	-0.025	-0.043	-0.026	85.985%
x		0.021	0.023	-0.032	-0.027	-0.026	88.903%
σ		0.004	0.001	0.013	0.016	0.007	2.601%
%RSD		20.350	5.478	41.880	58.550	26.300	2.926

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:31	76.891%	45.400	870.900	842.400	0.000	46810.000	49020.000	46550.000
2	21:05:14	74.797%	47.270	892.800	844.500	0.000	47360.000	49470.000	46880.000
3	21:05:58	74.435%	48.710	891.000	849.400	0.000	47680.000	49860.000	46840.000
x		75.374%	47.130	884.900	845.500	0.000	47280.000	49450.000	46760.000
σ		1.326%	1.662	12.150	3.604	0.000	438.300	420.400	176.200
%RSD		1.759	3.526	1.373	0.426	0.000	0.927	0.850	0.377

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:31	1785.000	7588.000	0.000	45820.000	46970.000	46610.000	72.402%	890.700
2	21:05:14	1781.000	7530.000	0.000	46540.000	47060.000	47110.000	71.667%	883.600
3	21:05:58	1800.000	7521.000	0.000	46730.000	47880.000	47560.000	70.558%	905.400
x		1789.000	7547.000	0.000	46360.000	47300.000	47090.000	71.542%	893.200
σ		9.961	36.500	0.000	477.700	502.600	476.200	0.928%	11.140
%RSD		0.557	0.484	0.000	1.030	1.063	1.011	1.297	1.247

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:31	451.900	187.600	462.000	948.400	1106.000	452.100	447.200	231.100
2	21:05:14	454.200	186.300	466.900	956.100	1118.000	456.400	450.000	230.700
3	21:05:58	453.900	190.200	467.600	961.900	1120.000	454.000	445.700	230.600
x		453.300	188.100	465.500	955.500	1115.000	454.200	447.600	230.800
σ		1.246	1.997	3.021	6.757	7.744	2.148	2.153	0.271
%RSD		0.275	1.062	0.649	0.707	0.695	0.473	0.481	0.117

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:31	230.600	466.300	467.500	35.880	20.380	11.660	0.000	872.200
2	21:05:14	232.500	472.100	471.800	32.600	17.850	12.700	0.000	880.700
3	21:05:58	232.800	475.500	473.200	35.710	18.690	11.070	0.000	878.200
x		232.000	471.300	470.800	34.730	18.970	11.810	0.000	877.100
σ		1.181	4.663	2.989	1.847	1.289	0.827	0.000	4.365
%RSD		0.509	0.990	0.635	5.318	6.796	7.004	0.000	0.498

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:31	78.725%	936.300	956.600	72.401%	47.260	46.790	45.200	41.410
2	21:05:14	79.048%	949.000	970.500	73.238%	46.540	46.760	46.380	41.260
3	21:05:58	79.249%	952.000	968.700	72.980%	46.650	46.500	46.930	40.940
x		79.007%	945.700	965.300	72.873%	46.810	46.680	46.170	41.210
σ		0.264%	8.313	7.564	0.429%	0.387	0.161	0.887	0.240
%RSD		0.334	0.879	0.784	0.588	0.826	0.345	1.922	0.583

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:31	75.528%	1845.000	459.000	459.100	1836.000	1835.000	81.101%	82.072%
2	21:05:14	76.905%	1845.000	457.700	457.800	1823.000	1822.000	83.604%	84.249%
3	21:05:58	77.300%	1847.000	458.600	460.600	1824.000	1824.000	84.717%	84.863%
x		76.577%	1846.000	458.400	459.200	1828.000	1827.000	83.141%	83.728%
σ		0.930%	1.096	0.623	1.366	7.279	7.099	1.852%	1.467%
%RSD		1.215	0.059	0.136	0.298	0.398	0.389	2.228	1.752

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:04:31	51.870	51.410	20.420	22.330	21.600	75.332%
2	21:05:14	52.100	52.400	20.820	22.690	21.730	76.585%
3	21:05:58	52.230	52.450	20.460	22.340	21.510	78.187%
x		52.070	52.080	20.570	22.450	21.610	76.701%
σ		0.182	0.586	0.218	0.201	0.113	1.431%
%RSD		0.349	1.125	1.058	0.896	0.522	1.866

L9HH3 11/22/2010 9:11:02 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:11:45	76.348%	0.678	51.820	51.250	0.000	1704.000	9642.000	9238.000
2	21:12:28	76.875%	0.770	56.860	50.760	0.000	1674.000	9627.000	9135.000
3	21:13:11	77.258%	0.633	54.360	49.640	0.000	1648.000	9554.000	9157.000
x		76.827%	0.694	54.340	50.550	0.000	1675.000	9608.000	9177.000
σ		0.457%	0.069	2.521	0.824	0.000	27.980	46.920	54.350
%RSD		0.594	10.010	4.639	1.630	0.000	1.670	0.488	0.592

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:11:45	14080.000	3560.000	0.000	1646.000	171800.000	179500.000	72.320%	161.200
2	21:12:28	13800.000	3524.000	0.000	1650.000	173500.000	181800.000	71.714%	167.300
3	21:13:11	13750.000	3535.000	0.000	1651.000	177700.000	182600.000	71.408%	166.700
x		13870.000	3540.000	0.000	1649.000	174400.000	181300.000	71.814%	165.000
σ		179.300	18.580	0.000	2.748	3038.000	1582.000	0.464%	3.362
%RSD		1.292	0.525	0.000	0.167	1.743	0.873	0.647	2.037

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:11:45	26.150	23.130	445.700	36070.000	36210.000	9.938	27.720	41.510
2	21:12:28	25.480	22.380	452.400	36380.000	36820.000	9.878	27.250	41.780
3	21:13:11	28.030	22.100	456.500	36550.000	36650.000	10.190	26.000	42.110
x		26.550	22.540	451.600	36330.000	36560.000	10.000	26.990	41.800
σ		1.323	0.533	5.441	242.800	316.000	0.167	0.890	0.304
%RSD		4.981	2.367	1.205	0.668	0.864	1.668	3.299	0.727

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:11:45	40.540	149.900	151.000	32.790	15.280	4.740	0.000	149.700
2	21:12:28	40.490	151.500	155.500	31.900	13.630	3.851	0.000	149.600
3	21:13:11	40.870	154.400	154.500	32.470	14.850	3.561	0.000	150.700
x		40.630	152.000	153.700	32.380	14.580	4.051	0.000	150.000
σ		0.210	2.305	2.328	0.451	0.857	0.614	0.000	0.571
%RSD		0.517	1.517	1.515	1.391	5.872	15.160	0.000	0.381

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:11:45	85.635%	12.880	12.830	72.436%	0.195	0.120	0.901	1.066
2	21:12:28	87.262%	11.510	11.680	73.400%	0.138	0.164	1.179	1.144
3	21:13:11	86.747%	11.260	10.700	73.507%	0.111	0.183	1.132	1.126
x		86.548%	11.880	11.740	73.114%	0.148	0.156	1.071	1.112
σ		0.832%	0.871	1.065	0.590%	0.043	0.033	0.149	0.041
%RSD		0.961	7.331	9.075	0.807	28.990	20.900	13.910	3.675

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:11:45	76.260%	30.050	1.061	0.988	654.200	655.000	83.494%	84.195%
2	21:12:28	77.111%	28.800	0.981	1.057	653.800	657.200	84.782%	85.422%
3	21:13:11	78.615%	27.660	0.976	1.027	650.700	651.000	85.780%	87.170%
x		77.329%	28.840	1.006	1.024	652.900	654.400	84.685%	85.596%
σ		1.192%	1.193	0.048	0.035	1.900	3.145	1.146%	1.495%
%RSD		1.542	4.137	4.728	3.396	0.291	0.481	1.353	1.747

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:11:45	0.642	0.665	105.600	104.400	105.600	71.978%
2	21:12:28	0.647	0.645	106.100	105.200	105.800	73.688%
3	21:13:11	0.627	0.666	106.600	104.600	106.400	73.992%
x		0.639	0.659	106.100	104.700	106.000	73.219%
σ		0.010	0.012	0.500	0.377	0.391	1.086%
%RSD		1.610	1.763	0.472	0.360	0.369	1.483

L9HH6 11/22/2010 9:15:21 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:04	71.172%	2.760	67.700	59.490	0.000	3387.000	30620.000	29140.000
2	21:16:47	69.061%	2.802	62.230	59.290	0.000	3392.000	30750.000	29100.000
3	21:17:29	69.694%	2.790	58.690	58.810	0.000	3361.000	30550.000	28580.000
x		69.976%	2.784	62.880	59.200	0.000	3380.000	30640.000	28940.000
σ		1.084%	0.021	4.540	0.347	0.000	16.510	97.420	314.900
%RSD		1.548	0.766	7.220	0.586	0.000	0.488	0.318	1.088

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:04	66700.000	5128.000	0.000	9074.000	698900.000	727400.000	69.377%	606.200
2	21:16:47	66620.000	5147.000	0.000	9219.000	714400.000	741800.000	67.742%	607.000
3	21:17:29	65310.000	5156.000	0.000	9168.000	709900.000	749100.000	67.259%	608.900
x		66210.000	5144.000	0.000	9154.000	707700.000	739400.000	68.126%	607.400
σ		782.200	14.160	0.000	73.690	8004.000	11050.000	1.110%	1.421
%RSD		1.181	0.275	0.000	0.805	1.131	1.494	1.630	0.234

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:04	134.100	1976.000	675.400	89100.000	91800.000	60.710	643.400	2467.000
2	21:16:47	132.800	2003.000	695.300	90040.000	93120.000	60.240	651.500	2477.000
3	21:17:29	135.700	1999.000	692.600	90390.000	94060.000	61.450	655.800	2507.000
x		134.200	1992.000	687.800	89840.000	92990.000	60.800	650.200	2483.000
σ		1.410	14.400	10.780	667.200	1136.000	0.612	6.317	21.160
%RSD		1.051	0.723	1.567	0.743	1.221	1.007	0.972	0.852

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:04	2506.000	25650.000	25070.000	19.430	20.490	12.700	0.000	988.900
2	21:16:47	2512.000	26190.000	25500.000	18.820	19.510	12.310	0.000	985.500
3	21:17:29	2522.000	26400.000	25690.000	16.520	20.400	11.950	0.000	990.200
x		2513.000	26080.000	25420.000	18.260	20.130	12.320	0.000	988.200
σ		8.384	386.300	314.500	1.535	0.539	0.375	0.000	2.388
%RSD		0.334	1.481	1.237	8.406	2.680	3.043	0.000	0.242

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:04	0.000	97.220	97.060	66.978%	154.700	152.300	1521.000	1480.000
2	21:16:47	0.000	98.160	98.920	67.629%	154.200	151.500	1519.000	1479.000
3	21:17:29	0.000	98.080	98.950	67.400%	154.000	152.400	1519.000	1481.000
x		0.000	97.820	98.310	67.336%	154.300	152.100	1520.000	1480.000
σ		0.000	0.522	1.081	0.330%	0.323	0.518	0.899	1.062
%RSD		0.000	0.534	1.100	0.490	0.209	0.341	0.059	0.072

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:04	72.472%	43.950	17.150	17.250	2018.000	2019.000	83.326%	83.012%
2	21:16:47	73.862%	43.330	17.360	17.000	2021.000	2022.000	85.295%	84.601%
3	21:17:29	73.882%	43.390	17.430	17.040	2018.000	2018.000	86.737%	85.609%
x		73.405%	43.560	17.310	17.100	2019.000	2020.000	85.120%	84.408%
σ		0.808%	0.344	0.146	0.133	1.987	2.461	1.712%	1.309%
%RSD		1.101	0.789	0.845	0.775	0.098	0.122	2.011	1.551

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:16:04	2.472	2.341	5710.000	5407.000	5552.000	67.084%
2	21:16:47	2.408	2.408	5709.000	5402.000	5554.000	68.842%
3	21:17:29	2.392	2.411	5714.000	5398.000	5544.000	69.703%
x		2.424	2.387	5711.000	5403.000	5550.000	68.543%
σ		0.042	0.039	2.251	4.686	5.524	1.335%
%RSD		1.740	1.654	0.039	0.087	0.100	1.948

CCV1-4 11/22/2010 9:22:35 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:23:17	70.067%	95.880	90.940	91.660	0.000	49420.000	51190.000	49240.000
2	21:24:01	69.126%	97.670	89.870	86.810	0.000	49270.000	51610.000	49360.000
3	21:24:44	65.997%	98.300	90.450	92.170	0.000	50740.000	52560.000	50480.000
x		68.396%	97.282%	90.421%	90.218%	0.000	99.619%	103.572%	99.384%
σ		2.131%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		3.115	1.291	0.596	3.279	0.000	1.620	1.355	1.374

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:23:17	490.500	4742.000	0.000	48480.000	47820.000	47810.000	73.114%	93.720
2	21:24:01	488.800	4691.000	0.000	48770.000	48620.000	48430.000	71.524%	94.320
3	21:24:44	498.400	4727.000	0.000	49580.000	50110.000	49130.000	69.900%	94.520
x		98.520%	94.398%	0.000	97.888%	97.697%	96.912%	71.513%	94.189%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.607%	n/a
%RSD		1.039	0.557	0.000	1.163	2.382	1.365	2.247	0.444

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:23:17	92.460	93.570	477.000	23590.000	23690.000	94.410	96.500	97.670
2	21:24:01	94.990	94.600	485.700	24050.000	24010.000	95.330	93.770	98.230
3	21:24:44	93.790	93.490	486.500	24160.000	24220.000	95.790	95.060	98.900
x		93.745%	93.889%	96.610%	95.733%	95.893%	95.178%	95.111%	98.267%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.348	0.658	1.093	1.253	1.109	0.735	1.436	0.622

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:23:17	96.900	102.300	99.710	99.730	107.200	97.280	0.000	94.540
2	21:24:01	96.340	102.400	102.500	99.290	108.500	97.590	0.000	93.460
3	21:24:44	97.910	101.300	104.100	96.750	109.500	95.250	0.000	93.970
x		97.048%	101.981%	102.108%	98.594%	108.402%	96.704%	0.000	93.991%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.819	0.605	2.188	1.631	1.088	1.313	0.000	0.572

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:23:17	78.560%	81.410	82.480	71.860%	98.790	97.950	97.830	96.640
2	21:24:01	78.341%	88.040	89.540	71.483%	98.550	97.920	97.860	97.430
3	21:24:44	78.321%	91.760	94.910	71.208%	98.840	98.370	99.770	97.320
x		78.408%	87.067%	88.978%	71.517%	98.729%	98.080%	98.483%	97.134%
σ		0.133%	n/a	n/a	0.327%	n/a	n/a	n/a	n/a
%RSD		0.169	6.023	7.005	0.458	0.155	0.261	1.128	0.440

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:23:17	76.206%	93.420	95.180	94.920	93.610	95.650	83.167%	83.458%
2	21:24:01	75.655%	94.140	97.870	97.510	96.570	97.330	83.654%	84.207%
3	21:24:44	75.974%	94.940	98.080	97.650	96.450	96.720	84.143%	85.149%
x		75.945%	94.164%	97.044%	96.693%	95.544%	96.563%	83.655%	84.272%
σ		0.277%	n/a	n/a	n/a	n/a	n/a	0.488%	0.847%
%RSD		0.365	0.806	1.663	1.590	1.753	0.882	0.583	1.005

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:23:17	103.300	104.000	104.400	105.300	105.200	79.540%
2	21:24:01	104.100	104.600	104.700	105.700	105.400	80.751%
3	21:24:44	103.200	103.600	104.000	104.300	104.700	81.936%
x		103.554%	104.083%	104.361%	105.098%	105.122%	80.743%
σ		n/a	n/a	n/a	n/a	n/a	1.198%
%RSD		0.465	0.492	0.337	0.687	0.349	1.484

CCB4 11/22/2010 9:29:51 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:34	115.109%	-0.016	3.137	2.947	0.000	99.640	2.152	2.366
2	21:31:17	114.741%	-0.015	3.250	3.176	0.000	97.920	3.271	2.858
3	21:32:00	114.795%	-0.003	3.651	3.046	0.000	95.090	2.295	2.583
x		114.882%	-0.011	3.346	3.056	0.000	97.550	2.573	2.603
σ		0.199%	0.007	0.270	0.115	0.000	2.295	0.609	0.247
%RSD		0.173	65.330	8.071	3.745	0.000	2.353	23.680	9.472

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:34	-0.616	-2.139	0.000	54.700	5.925	30.960	110.823%	-0.168
2	21:31:17	-0.729	-1.772	0.000	57.290	-3.010	29.650	109.029%	-0.132
3	21:32:00	-0.709	-2.196	0.000	54.010	2.293	27.870	111.295%	-0.135
x		-0.685	-2.035	0.000	55.340	1.736	29.490	110.383%	-0.145
σ		0.060	0.230	0.000	1.729	4.494	1.551	1.196%	0.020
%RSD		8.795	11.310	0.000	3.125	258.800	5.260	1.083	13.540

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:34	0.305	0.109	0.021	2.974	-1.280	-0.004	-0.015	0.630
2	21:31:17	-0.024	0.100	0.023	1.217	0.699	-0.002	-0.014	0.650
3	21:32:00	0.210	0.143	-0.010	-1.068	-1.911	-0.005	-0.020	0.637
x		0.164	0.117	0.011	1.041	-0.831	-0.003	-0.016	0.639
σ		0.170	0.022	0.018	2.027	1.362	0.002	0.003	0.010
%RSD		103.800	19.030	162.500	194.700	163.900	44.050	17.860	1.562

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:34	-0.112	-0.433	-0.147	-0.036	10.490	0.751	0.000	0.006
2	21:31:17	-0.081	-0.467	-0.333	0.196	11.680	0.756	0.000	-0.003
3	21:32:00	-0.118	-0.449	-0.377	0.259	11.030	0.638	0.000	0.004
x		-0.104	-0.450	-0.285	0.139	11.070	0.715	0.000	0.003
σ		0.020	0.017	0.122	0.155	0.592	0.067	0.000	0.005
%RSD		18.880	3.854	42.760	111.200	5.351	9.322	0.000	195.400

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:34	97.198%	2.311	1.628	90.670%	-0.001	-0.001	-0.057	-0.035
2	21:31:17	97.941%	2.041	1.515	90.940%	-0.005	-0.002	-0.096	-0.054
3	21:32:00	99.945%	1.971	1.185	92.496%	-0.010	-0.003	-0.097	-0.046
x		98.362%	2.107	1.443	91.369%	-0.005	-0.002	-0.083	-0.045
σ		1.421%	0.179	0.230	0.986%	0.005	0.001	0.023	0.010
%RSD		1.445	8.511	15.940	1.079	87.010	72.060	27.690	21.510

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:34	95.159%	-0.530	0.222	0.213	-0.019	-0.032	94.965%	95.190%
2	21:31:17	95.524%	-0.526	0.203	0.203	-0.034	-0.032	95.636%	96.248%
3	21:32:00	96.451%	-0.541	0.186	0.172	-0.041	-0.036	96.980%	97.271%
x		95.711%	-0.532	0.204	0.196	-0.031	-0.033	95.860%	96.237%
σ		0.666%	0.008	0.018	0.022	0.011	0.003	1.026%	1.041%
%RSD		0.696	1.435	8.933	10.980	35.890	7.542	1.070	1.081

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:30:34	0.022	0.023	0.101	0.103	0.102	83.786%
2	21:31:17	0.026	0.018	0.079	0.088	0.088	87.242%
3	21:32:00	0.017	0.012	0.098	0.048	0.082	87.904%
x		0.021	0.018	0.093	0.080	0.091	86.311%
σ		0.004	0.006	0.012	0.029	0.010	2.212%
%RSD		20.850	32.790	12.840	35.750	11.510	2.562

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:55	71.045%	2.313	50.190	45.720	0.000	2955.000	25790.000	24560.000
2	21:35:38	70.575%	2.258	49.810	46.300	0.000	2944.000	25470.000	24120.000
3	21:36:20	68.313%	2.340	46.760	46.160	0.000	3006.000	26060.000	24670.000
x		69.978%	2.303	48.920	46.060	0.000	2968.000	25770.000	24450.000
σ		1.461%	0.042	1.880	0.301	0.000	33.270	298.200	293.800
%RSD		2.087	1.827	3.843	0.654	0.000	1.121	1.157	1.202

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:55	55160.000	4497.000	0.000	7373.000	604600.000	628700.000	69.356%	517.100
2	21:35:38	54520.000	4442.000	0.000	7396.000	616300.000	642100.000	68.166%	513.900
3	21:36:20	55390.000	4463.000	0.000	7472.000	614500.000	639500.000	67.235%	527.900
x		55020.000	4467.000	0.000	7414.000	611800.000	636800.000	68.252%	519.600
σ		449.500	27.830	0.000	51.740	6347.000	7077.000	1.063%	7.322
%RSD		0.817	0.623	0.000	0.698	1.037	1.111	1.557	1.409

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:55	107.900	1659.000	573.900	73790.000	76070.000	49.940	546.200	2089.000
2	21:35:38	105.400	1652.000	577.600	74600.000	76890.000	51.030	553.200	2107.000
3	21:36:20	108.000	1679.000	593.000	76330.000	78180.000	51.540	555.900	2125.000
x		107.100	1663.000	581.500	74910.000	77050.000	50.840	551.700	2107.000
σ		1.494	14.330	10.080	1299.000	1063.000	0.815	5.009	17.960
%RSD		1.395	0.861	1.734	1.734	1.380	1.603	0.908	0.853

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:55	2117.000	21630.000	21060.000	14.770	23.100	9.855	0.000	841.800
2	21:35:38	2122.000	21890.000	21400.000	15.690	21.480	10.600	0.000	842.700
3	21:36:20	2148.000	22260.000	21870.000	15.070	20.220	10.150	0.000	848.300
x		2129.000	21930.000	21440.000	15.180	21.600	10.200	0.000	844.300
σ		16.940	317.300	405.000	0.470	1.444	0.373	0.000	3.515
%RSD		0.796	1.447	1.889	3.097	6.687	3.658	0.000	0.416

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:55	0.000	81.400	80.630	67.130%	127.900	127.500	1256.000	1227.000
2	21:35:38	0.000	80.300	81.090	67.886%	128.900	126.900	1261.000	1234.000
3	21:36:20	0.000	80.860	80.310	67.562%	129.800	128.100	1278.000	1242.000
x		0.000	80.850	80.680	67.526%	128.900	127.500	1265.000	1234.000
σ		0.000	0.549	0.389	0.379%	0.916	0.599	11.620	7.687
%RSD		0.000	0.678	0.483	0.562	0.711	0.470	0.918	0.623

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:55	72.267%	39.210	14.920	14.850	1753.000	1742.000	82.657%	82.425%
2	21:35:38	73.215%	39.190	14.700	14.930	1759.000	1750.000	84.781%	85.010%
3	21:36:20	73.045%	39.060	14.520	14.930	1759.000	1748.000	85.666%	85.180%
x		72.842%	39.150	14.720	14.900	1757.000	1747.000	84.368%	84.205%
σ		0.505%	0.082	0.201	0.042	3.198	4.147	1.546%	1.544%
%RSD		0.693	0.210	1.365	0.285	0.182	0.237	1.833	1.833

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:34:55	1.937	1.901	4799.000	4537.000	4653.000	67.561%
2	21:35:38	1.962	1.961	4811.000	4558.000	4668.000	69.223%
3	21:36:20	2.033	2.003	4818.000	4554.000	4678.000	70.007%
x		1.977	1.955	4809.000	4550.000	4667.000	68.931%
σ		0.049	0.051	9.551	11.080	12.380	1.249%
%RSD		2.502	2.618	0.199	0.244	0.265	1.812

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:13	70.832%	5.325	41.920	38.510	0.000	3302.000	28610.000	26940.000
2	21:39:56	69.291%	5.306	42.380	39.230	0.000	3294.000	28790.000	26880.000
3	21:40:39	70.033%	4.923	42.840	37.530	0.000	3259.000	27980.000	26720.000
x		70.052%	5.185	42.380	38.420	0.000	3285.000	28460.000	26850.000
σ		0.771%	0.227	0.459	0.852	0.000	22.460	428.000	113.600
%RSD		1.100	4.370	1.084	2.217	0.000	0.684	1.504	0.423

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:13	101800.000	3639.000	0.000	8033.000	572100.000	598500.000	70.213%	361.200
2	21:39:56	100700.000	3613.000	0.000	8145.000	583000.000	606800.000	68.951%	361.700
3	21:40:39	99280.000	3513.000	0.000	8092.000	578700.000	605000.000	68.347%	366.000
x		100600.000	3588.000	0.000	8090.000	577900.000	603400.000	69.170%	363.000
σ		1250.000	66.770	0.000	56.220	5514.000	4381.000	0.952%	2.647
%RSD		1.243	1.861	0.000	0.695	0.954	0.726	1.377	0.729

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:13	133.600	1113.000	696.600	113600.000	116500.000	63.910	559.100	1366.000
2	21:39:56	139.800	1120.000	701.500	115100.000	117600.000	64.510	558.900	1364.000
3	21:40:39	136.900	1123.000	701.700	115200.000	117900.000	64.520	563.100	1354.000
x		136.800	1119.000	699.900	114600.000	117300.000	64.310	560.400	1361.000
σ		3.088	5.031	2.867	926.700	744.900	0.352	2.364	6.626
%RSD		2.258	0.450	0.410	0.809	0.635	0.547	0.422	0.487

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:13	1375.000	14430.000	14500.000	20.400	20.960	12.450	0.000	811.800
2	21:39:56	1378.000	14570.000	14700.000	19.360	19.670	12.040	0.000	819.200
3	21:40:39	1361.000	14550.000	14650.000	19.740	19.380	10.680	0.000	819.000
x		1372.000	14520.000	14620.000	19.830	20.000	11.720	0.000	816.700
σ		9.295	72.400	105.200	0.528	0.838	0.926	0.000	4.190
%RSD		0.678	0.499	0.720	2.665	4.189	7.899	0.000	0.513

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:13	0.000	15.580	14.990	67.476%	70.320	68.460	845.100	826.600
2	21:39:56	0.000	15.870	15.010	67.318%	69.960	69.390	860.300	841.000
3	21:40:39	0.000	15.690	14.920	67.705%	69.650	69.120	848.200	829.100
x		0.000	15.710	14.970	67.500%	69.980	68.990	851.200	832.200
σ		0.000	0.146	0.049	0.194%	0.337	0.479	8.041	7.687
%RSD		0.000	0.930	0.325	0.288	0.482	0.694	0.945	0.924

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:13	73.038%	31.370	3.106	3.072	2723.000	2721.000	86.574%	86.505%
2	21:39:56	72.487%	31.470	3.055	3.087	2736.000	2723.000	88.216%	87.832%
3	21:40:39	72.966%	31.840	2.922	3.071	2722.000	2699.000	89.330%	87.771%
x		72.830%	31.560	3.027	3.077	2727.000	2714.000	88.040%	87.369%
σ		0.299%	0.247	0.095	0.009	7.720	13.520	1.387%	0.749%
%RSD		0.411	0.784	3.137	0.289	0.283	0.498	1.575	0.858

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:13	2.661	2.635	2608.000	2416.000	2510.000	67.431%
2	21:39:56	2.690	2.644	2612.000	2423.000	2518.000	68.342%
3	21:40:39	2.687	2.707	2619.000	2422.000	2518.000	68.840%
x		2.679	2.662	2613.000	2421.000	2516.000	68.204%
σ		0.016	0.039	5.809	4.014	4.492	0.715%
%RSD		0.589	1.477	0.222	0.166	0.179	1.048

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:43:33	71.035%	2.173	35.420	34.320	0.000	3113.000	25270.000	24100.000
2	21:44:16	69.024%	2.268	34.030	34.050	0.000	3123.000	25290.000	23890.000
3	21:44:59	68.262%	2.112	37.840	32.000	0.000	3123.000	25170.000	23540.000
x		69.440%	2.185	35.760	33.460	0.000	3120.000	25240.000	23850.000
σ		1.432%	0.079	1.926	1.274	0.000	5.984	63.410	280.800
%RSD		2.063	3.606	5.386	3.806	0.000	0.192	0.251	1.178

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:43:33	51780.000	3952.000	0.000	5434.000	965500.000	1069000.000	67.593%	381.500
2	21:44:16	51360.000	3856.000	0.000	5509.000	992600.000	1083000.000	65.975%	384.400
3	21:44:59	51120.000	3838.000	0.000	5517.000	1016000.000	1091000.000	65.116%	385.800
x		51420.000	3882.000	0.000	5487.000	991200.000	1081000.000	66.228%	383.900
σ		337.100	61.480	0.000	45.550	25040.000	10870.000	1.258%	2.157
%RSD		0.656	1.584	0.000	0.830	2.526	1.006	1.899	0.562

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:43:33	76.490	1336.000	579.500	72650.000	77000.000	52.080	569.000	2106.000
2	21:44:16	73.240	1337.000	586.600	73820.000	77660.000	53.000	572.600	2118.000
3	21:44:59	67.870	1333.000	588.900	74540.000	78020.000	54.690	571.700	2114.000
x		72.530	1335.000	585.000	73670.000	77560.000	53.250	571.100	2112.000
σ		4.352	2.039	4.890	956.900	516.500	1.324	1.882	6.064
%RSD		6.000	0.153	0.836	1.299	0.666	2.486	0.330	0.287

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:43:33	2112.000	26810.000	26160.000	12.530	13.790	10.640	0.000	1447.000
2	21:44:16	2140.000	27300.000	26560.000	12.220	13.770	10.060	0.000	1453.000
3	21:44:59	2147.000	27490.000	26780.000	11.080	11.750	9.219	0.000	1467.000
x		2133.000	27200.000	26500.000	11.950	13.100	9.976	0.000	1456.000
σ		18.450	352.100	316.700	0.763	1.173	0.717	0.000	10.090
%RSD		0.865	1.295	1.195	6.389	8.952	7.182	0.000	0.693

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:43:33	0.000	33.840	32.430	66.050%	119.700	118.300	1675.000	1631.000
2	21:44:16	0.000	32.690	32.780	66.039%	120.000	118.700	1690.000	1637.000
3	21:44:59	0.000	31.720	33.180	65.928%	119.700	117.700	1678.000	1643.000
x		0.000	32.750	32.800	66.005%	119.800	118.200	1681.000	1637.000
σ		0.000	1.061	0.374	0.068%	0.166	0.465	7.818	5.783
%RSD		0.000	3.239	1.139	0.102	0.139	0.393	0.465	0.353

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:43:33	71.921%	33.880	5.530	5.639	2370.000	2358.000	83.664%	82.393%
2	21:44:16	71.871%	33.760	5.404	5.650	2391.000	2376.000	85.232%	83.782%
3	21:44:59	71.860%	34.360	5.642	5.727	2381.000	2387.000	84.733%	84.696%
x		71.884%	34.000	5.525	5.672	2381.000	2374.000	84.543%	83.624%
σ		0.032%	0.319	0.119	0.048	10.450	14.800	0.801%	1.160%
%RSD		0.045	0.939	2.153	0.843	0.439	0.624	0.948	1.387

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:43:33	2.300	2.251	3919.000	3706.000	3793.000	66.011%
2	21:44:16	2.208	2.280	3944.000	3705.000	3807.000	67.228%
3	21:44:59	2.162	2.257	3820.000	3609.000	3697.000	69.925%
x		2.224	2.263	3894.000	3674.000	3766.000	67.721%
σ		0.070	0.015	65.570	55.580	59.760	2.003%
%RSD		3.148	0.673	1.684	1.513	1.587	2.958

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:53	68.996%	2.924	59.490	50.950	0.000	3494.000	32760.000	30710.000
2	21:48:36	68.498%	2.658	57.550	50.960	0.000	3444.000	32440.000	30370.000
3	21:49:19	68.210%	2.798	60.300	52.630	0.000	3477.000	32530.000	30380.000
x		68.568%	2.793	59.110	51.520	0.000	3472.000	32580.000	30480.000
σ		0.398%	0.133	1.411	0.968	0.000	25.530	166.200	192.600
%RSD		0.581	4.768	2.387	1.878	0.000	0.735	0.510	0.632

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:53	65740.000	4487.000	0.000	9357.000	1014000.000	1065000.000	66.766%	629.500
2	21:48:36	64470.000	4341.000	0.000	9289.000	1013000.000	1065000.000	66.129%	621.500
3	21:49:19	64560.000	4369.000	0.000	9324.000	1017000.000	1059000.000	65.884%	623.000
x		64920.000	4399.000	0.000	9323.000	1015000.000	1063000.000	66.260%	624.700
σ		708.900	77.780	0.000	33.630	2183.000	3500.000	0.455%	4.226
%RSD		1.092	1.768	0.000	0.361	0.215	0.329	0.687	0.676

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:53	110.100	2320.000	687.100	84390.000	87390.000	56.380	587.500	3052.000
2	21:48:36	104.400	2311.000	686.900	84860.000	87830.000	55.340	585.700	3032.000
3	21:49:19	106.600	2321.000	689.500	84340.000	87400.000	55.430	573.900	3016.000
x		107.000	2317.000	687.800	84530.000	87540.000	55.720	582.400	3033.000
σ		2.894	5.409	1.452	282.700	249.300	0.580	7.368	18.060
%RSD		2.704	0.234	0.211	0.335	0.285	1.041	1.265	0.595

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:53	3105.000	37150.000	35990.000	21.030	14.600	11.900	0.000	1375.000
2	21:48:36	3080.000	37100.000	36080.000	17.740	14.250	13.580	0.000	1379.000
3	21:49:19	3069.000	37140.000	36160.000	20.940	14.270	12.970	0.000	1373.000
x		3085.000	37130.000	36080.000	19.900	14.370	12.820	0.000	1375.000
σ		18.210	28.330	87.330	1.873	0.196	0.848	0.000	3.118
%RSD		0.590	0.076	0.242	9.410	1.362	6.620	0.000	0.227

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:53	0.000	49.630	50.260	64.778%	208.900	205.400	2107.000	2042.000
2	21:48:36	0.000	48.940	49.700	65.312%	207.800	204.900	2092.000	2027.000
3	21:49:19	0.000	49.020	49.730	65.298%	206.200	204.100	2090.000	2033.000
x		0.000	49.200	49.900	65.129%	207.600	204.800	2096.000	2034.000
σ		0.000	0.376	0.315	0.305%	1.344	0.638	9.288	7.504
%RSD		0.000	0.764	0.631	0.468	0.647	0.312	0.443	0.369

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:53	70.736%	47.830	11.130	11.480	2629.000	2619.000	82.786%	81.951%
2	21:48:36	71.890%	47.520	11.340	11.360	2599.000	2597.000	84.186%	82.767%
3	21:49:19	71.642%	46.840	10.970	11.300	2616.000	2604.000	85.015%	83.609%
x		71.423%	47.390	11.150	11.380	2615.000	2607.000	83.996%	82.776%
σ		0.607%	0.508	0.184	0.092	14.750	11.250	1.127%	0.829%
%RSD		0.850	1.071	1.653	0.806	0.564	0.432	1.341	1.001

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:53	2.863	2.782	8552.000	8054.000	8281.000	65.210%
2	21:48:36	2.915	2.816	8527.000	8031.000	8258.000	66.206%
3	21:49:19	2.783	2.888	8520.000	8020.000	8244.000	66.616%
x		2.854	2.829	8533.000	8035.000	8261.000	66.011%
σ		0.066	0.054	16.560	17.310	18.830	0.723%
%RSD		2.327	1.913	0.194	0.215	0.228	1.095

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:14	68.930%	2.325	50.510	45.680	0.000	3115.000	30450.000	28450.000
2	21:52:57	68.649%	2.647	48.620	43.500	0.000	3084.000	29400.000	27920.000
3	21:53:40	66.511%	2.783	49.820	45.600	0.000	3133.000	29810.000	28160.000
x		68.030%	2.585	49.650	44.930	0.000	3110.000	29880.000	28180.000
σ		1.323%	0.235	0.955	1.234	0.000	24.960	529.600	265.800
%RSD		1.945	9.102	1.923	2.747	0.000	0.802	1.772	0.943

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:14	58630.000	4201.000	0.000	7756.000	1090000.000	1134000.000	65.683%	550.200
2	21:52:57	57280.000	4075.000	0.000	7759.000	1083000.000	1137000.000	64.468%	551.300
3	21:53:40	57280.000	4151.000	0.000	7842.000	1097000.000	1145000.000	63.761%	552.100
x		57730.000	4142.000	0.000	7786.000	1090000.000	1139000.000	64.637%	551.200
σ		779.300	63.210	0.000	48.890	7151.000	5759.000	0.972%	0.949
%RSD		1.350	1.526	0.000	0.628	0.656	0.506	1.504	0.172

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:14	110.700	1960.000	673.500	79470.000	83060.000	57.700	661.100	3004.000
2	21:52:57	107.600	1968.000	676.800	79980.000	83470.000	58.750	659.500	3013.000
3	21:53:40	116.600	1982.000	676.500	79960.000	83500.000	58.130	653.800	3001.000
x		111.700	1970.000	675.600	79810.000	83340.000	58.190	658.100	3006.000
σ		4.570	10.900	1.828	289.600	244.100	0.528	3.858	6.004
%RSD		4.093	0.553	0.271	0.363	0.293	0.907	0.586	0.200

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:14	3029.000	37610.000	36590.000	16.580	10.750	11.030	0.000	1530.000
2	21:52:57	3059.000	37910.000	36900.000	18.250	10.810	12.730	0.000	1539.000
3	21:53:40	3049.000	38020.000	36880.000	16.870	10.630	11.080	0.000	1544.000
x		3046.000	37850.000	36790.000	17.230	10.730	11.610	0.000	1538.000
σ		15.120	211.700	176.200	0.892	0.088	0.967	0.000	7.344
%RSD		0.496	0.559	0.479	5.175	0.824	8.326	0.000	0.478

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:14	0.000	45.080	46.200	64.034%	181.400	177.700	2268.000	2199.000
2	21:52:57	0.000	45.660	47.250	64.050%	180.800	178.700	2270.000	2205.000
3	21:53:40	0.000	46.040	46.500	63.766%	178.800	176.100	2239.000	2165.000
x		0.000	45.590	46.650	63.950%	180.300	177.500	2259.000	2190.000
σ		0.000	0.486	0.543	0.159%	1.353	1.317	17.700	21.890
%RSD		0.000	1.067	1.164	0.249	0.751	0.742	0.783	1.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:14	70.142%	43.980	8.870	9.027	2645.000	2624.000	82.246%	80.990%
2	21:52:57	70.480%	43.270	8.663	8.890	2641.000	2629.000	83.177%	82.743%
3	21:53:40	71.635%	42.780	8.707	8.717	2598.000	2598.000	84.699%	82.938%
x		70.752%	43.350	8.747	8.878	2628.000	2617.000	83.374%	82.223%
σ		0.783%	0.602	0.109	0.155	26.180	16.670	1.238%	1.073%
%RSD		1.106	1.388	1.249	1.750	0.996	0.637	1.485	1.304

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:52:14	2.616	2.625	6324.000	5979.000	6139.000	64.569%
2	21:52:57	2.626	2.635	6342.000	5971.000	6154.000	65.959%
3	21:53:40	2.511	2.534	6151.000	5804.000	5966.000	68.500%
x		2.584	2.598	6272.000	5918.000	6086.000	66.342%
σ		0.064	0.056	105.500	98.510	104.800	1.993%
%RSD		2.469	2.144	1.682	1.665	1.722	3.004

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:56:34	71.595%	0.880	56.900	54.240	0.000	1858.000	11820.000	11270.000
2	21:57:18	69.932%	1.027	59.190	54.980	0.000	1876.000	12070.000	11480.000
3	21:58:01	70.498%	0.957	57.990	50.910	0.000	1852.000	11700.000	11010.000
x		70.675%	0.955	58.030	53.380	0.000	1862.000	11860.000	11250.000
σ		0.846%	0.073	1.147	2.168	0.000	12.800	185.100	239.600
%RSD		1.196	7.676	1.977	4.062	0.000	0.688	1.560	2.130

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:56:34	16010.000	3258.000	0.000	1771.000	245200.000	255200.000	65.944%	229.700
2	21:57:18	16000.000	3252.000	0.000	1793.000	244200.000	255700.000	65.083%	233.500
3	21:58:01	15540.000	3176.000	0.000	1759.000	242600.000	254900.000	65.046%	222.700
x		15850.000	3229.000	0.000	1774.000	244000.000	255300.000	65.358%	228.600
σ		265.800	45.540	0.000	17.320	1290.000	388.100	0.508%	5.488
%RSD		1.677	1.410	0.000	0.976	0.529	0.152	0.778	2.400

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:56:34	31.040	52.890	572.500	45820.000	46330.000	12.210	48.860	52.090
2	21:57:18	29.970	54.180	577.200	46140.000	46680.000	12.460	50.970	52.060
3	21:58:01	32.070	53.360	574.800	46030.000	46500.000	12.680	49.650	51.840
x		31.030	53.470	574.800	46000.000	46500.000	12.450	49.830	52.000
σ		1.054	0.653	2.339	163.000	174.200	0.232	1.063	0.134
%RSD		3.396	1.222	0.407	0.354	0.375	1.860	2.134	0.257

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:56:34	51.860	203.100	205.400	42.760	6.820	6.517	0.000	199.500
2	21:57:18	51.750	207.100	206.000	42.970	6.189	5.301	0.000	199.000
3	21:58:01	51.400	203.100	202.600	43.300	6.558	5.230	0.000	198.500
x		51.670	204.400	204.700	43.010	6.523	5.682	0.000	199.000
σ		0.239	2.321	1.827	0.274	0.317	0.724	0.000	0.462
%RSD		0.464	1.136	0.892	0.636	4.858	12.730	0.000	0.232

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:56:34	84.418%	13.600	14.930	68.010%	0.218	0.160	1.757	1.626
2	21:57:18	84.398%	14.200	14.640	68.590%	0.184	0.180	1.776	1.669
3	21:58:01	84.604%	14.160	14.370	67.945%	0.197	0.180	1.795	1.612
x		84.474%	13.990	14.650	68.182%	0.200	0.173	1.776	1.636
σ		0.114%	0.334	0.280	0.355%	0.017	0.011	0.019	0.029
%RSD		0.135	2.387	1.913	0.521	8.589	6.526	1.081	1.799

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:56:34	72.929%	26.250	1.087	1.093	908.400	912.200	80.545%	81.053%
2	21:57:18	73.072%	26.680	1.098	1.151	907.200	909.500	81.544%	82.420%
3	21:58:01	73.086%	26.240	1.036	1.144	908.900	918.600	80.896%	82.602%
x		73.029%	26.390	1.074	1.129	908.200	913.500	80.995%	82.025%
σ		0.087%	0.252	0.033	0.031	0.874	4.696	0.507%	0.847%
%RSD		0.119	0.955	3.045	2.774	0.096	0.514	0.626	1.032

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:56:34	0.779	0.747	144.100	142.200	143.600	68.753%
2	21:57:18	0.729	0.738	143.400	141.600	142.900	69.790%
3	21:58:01	0.783	0.735	142.800	141.100	143.300	69.844%
x		0.763	0.740	143.400	141.600	143.300	69.462%
σ		0.030	0.006	0.619	0.537	0.357	0.615%
%RSD		3.935	0.838	0.432	0.379	0.249	0.885

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:54	68.470%	9.432	422.500	389.700	0.000	3913.000	203300.000	191400.000
2	22:01:37	67.754%	10.330	418.400	389.700	0.000	3912.000	200400.000	189800.000
3	22:02:19	66.855%	9.688	418.200	386.500	0.000	3924.000	203800.000	190600.000
x		67.693%	9.818	419.700	388.600	0.000	3916.000	202500.000	190600.000
σ		0.810%	0.465	2.397	1.829	0.000	6.491	1856.000	801.300
%RSD		1.196	4.734	0.571	0.470	0.000	0.166	0.916	0.420

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:54	103300.000	3358.000	0.000	17460.000	409500.000	424900.000	66.883%	2060.000
2	22:01:37	102600.000	3320.000	0.000	17660.000	409600.000	427200.000	65.875%	2051.000
3	22:02:19	101800.000	3307.000	0.000	17740.000	409500.000	427700.000	64.836%	2029.000
x		102600.000	3328.000	0.000	17620.000	409500.000	426600.000	65.865%	2047.000
σ		728.700	26.820	0.000	146.000	54.660	1492.000	1.023%	16.280
%RSD		0.711	0.806	0.000	0.829	0.013	0.350	1.554	0.795

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:54	146.200	6823.000	4948.000	383800.000	383500.000	204.700	1830.000	4286.000
2	22:01:37	132.200	6860.000	5005.000	389900.000	387700.000	206.200	1858.000	4424.000
3	22:02:19	140.600	6922.000	5041.000	392300.000	388600.000	205.600	1839.000	4259.000
x		139.700	6869.000	4998.000	388700.000	386600.000	205.500	1842.000	4323.000
σ		7.073	49.910	46.800	4371.000	2754.000	0.723	14.070	88.810
%RSD		5.064	0.727	0.937	1.125	0.712	0.352	0.764	2.054

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:54	4361.000	21720.000	21280.000	158.900	24.430	26.690	0.000	1155.000
2	22:01:37	4360.000	22100.000	21650.000	163.000	23.300	26.230	0.000	1149.000
3	22:02:19	4368.000	22150.000	21790.000	163.100	24.520	25.000	0.000	1157.000
x		4363.000	21990.000	21570.000	161.700	24.090	25.970	0.000	1153.000
σ		4.212	238.600	262.300	2.388	0.680	0.873	0.000	4.061
%RSD		0.097	1.085	1.216	1.477	2.823	3.361	0.000	0.352

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:54	0.000	87.950	88.050	62.252%	163.100	162.000	657.800	643.200
2	22:01:37	0.000	87.960	87.880	62.759%	163.400	161.300	657.700	647.300
3	22:02:19	0.000	87.730	89.740	62.905%	163.000	161.900	658.500	640.500
x		0.000	87.880	88.560	62.639%	163.200	161.800	658.000	643.600
σ		0.000	0.129	1.025	0.343%	0.228	0.364	0.464	3.409
%RSD		0.000	0.147	1.157	0.547	0.140	0.225	0.071	0.530

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:54	68.018%	503.300	41.450	41.270	3470.000	3441.000	80.179%	80.922%
2	22:01:37	68.080%	507.900	40.910	40.730	3464.000	3448.000	81.768%	82.348%
3	22:02:19	68.657%	503.400	41.080	41.310	3451.000	3423.000	81.490%	82.292%
x		68.251%	504.900	41.150	41.100	3462.000	3438.000	81.146%	81.854%
σ		0.352%	2.622	0.276	0.321	9.725	12.970	0.849%	0.808%
%RSD		0.516	0.519	0.672	0.780	0.281	0.377	1.046	0.987

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:54	15.720	16.090	7694.000	7526.000	7618.000	66.099%
2	22:01:37	15.820	15.970	7639.000	7496.000	7586.000	67.986%
3	22:02:19	15.750	15.880	7636.000	7488.000	7588.000	68.340%
x		15.760	15.980	7656.000	7503.000	7597.000	67.475%
σ		0.053	0.105	32.780	20.020	18.070	1.204%
%RSD		0.334	0.658	0.428	0.267	0.238	1.785

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:11	67.111%	16.150	471.500	439.900	0.000	4761.000	192600.000	183400.000
2	22:05:53	67.008%	16.900	464.800	441.000	0.000	4787.000	195900.000	184900.000
3	22:06:36	67.239%	15.500	466.100	433.100	0.000	4770.000	191600.000	181800.000
x		67.119%	16.180	467.500	438.000	0.000	4773.000	193400.000	183400.000
σ		0.116%	0.702	3.552	4.267	0.000	13.260	2216.000	1580.000
%RSD		0.172	4.339	0.760	0.974	0.000	0.278	1.146	0.862

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:11	124100.000	3121.000	0.000	20510.000	394000.000	414600.000	67.022%	2198.000
2	22:05:53	123000.000	3077.000	0.000	20690.000	398600.000	417000.000	65.926%	2203.000
3	22:06:36	123400.000	3143.000	0.000	20960.000	403000.000	418900.000	66.060%	2201.000
x		123500.000	3114.000	0.000	20720.000	398500.000	416800.000	66.336%	2201.000
σ		554.200	33.670	0.000	224.600	4506.000	2178.000	0.598%	2.209
%RSD		0.449	1.081	0.000	1.084	1.131	0.523	0.901	0.100

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:11	171.500	8192.000	4673.000	383700.000	383200.000	181.400	2410.000	5729.000
2	22:05:53	194.800	8322.000	4730.000	389000.000	389500.000	184.000	2407.000	5766.000
3	22:06:36	176.900	8409.000	4816.000	393800.000	390400.000	184.400	2423.000	5801.000
x		181.100	8308.000	4740.000	388800.000	387700.000	183.300	2413.000	5765.000
σ		12.180	109.500	71.580	5043.000	3932.000	1.625	8.664	35.710
%RSD		6.724	1.318	1.510	1.297	1.014	0.887	0.359	0.619

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:11	5762.000	35800.000	34860.000	262.700	30.780	33.030	0.000	1208.000
2	22:05:53	5758.000	36340.000	35350.000	265.900	32.140	35.620	0.000	1214.000
3	22:06:36	5777.000	36410.000	35490.000	263.000	31.880	34.890	0.000	1218.000
x		5766.000	36180.000	35240.000	263.900	31.600	34.510	0.000	1213.000
σ		10.240	335.400	330.200	1.787	0.722	1.336	0.000	5.190
%RSD		0.178	0.927	0.937	0.677	2.285	3.872	0.000	0.428

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:11	0.000	90.350	90.100	61.331%	193.800	190.900	943.600	930.100
2	22:05:53	0.000	90.650	91.220	61.234%	193.300	189.700	943.800	923.500
3	22:06:36	0.000	91.440	93.580	61.257%	193.200	190.800	958.000	930.700
x		0.000	90.810	91.630	61.274%	193.500	190.500	948.400	928.100
σ		0.000	0.565	1.775	0.051%	0.319	0.677	8.242	3.986
%RSD		0.000	0.622	1.937	0.083	0.165	0.356	0.869	0.429

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:11	66.924%	630.700	50.030	50.760	4131.000	4124.000	79.995%	80.695%
2	22:05:53	67.117%	631.600	50.390	50.340	4167.000	4129.000	80.481%	81.438%
3	22:06:36	66.885%	634.800	50.790	50.610	4159.000	4150.000	80.895%	81.517%
x		66.975%	632.400	50.400	50.570	4152.000	4134.000	80.457%	81.217%
σ		0.125%	2.164	0.380	0.212	19.090	13.970	0.450%	0.453%
%RSD		0.186	0.342	0.753	0.418	0.460	0.338	0.560	0.558

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:05:11	26.980	27.170	9051.000	9043.000	9084.000	65.435%
2	22:05:53	26.750	27.070	9074.000	9066.000	9105.000	65.868%
3	22:06:36	27.220	27.250	9098.000	9077.000	9110.000	65.690%
x		26.980	27.160	9074.000	9062.000	9099.000	65.665%
σ		0.238	0.091	23.740	17.700	13.730	0.218%
%RSD		0.880	0.333	0.262	0.195	0.151	0.332

L9TVE 11/22/2010 10:08:46 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:28	78.882%	4.941	194.000	189.800	0.000	94920.000	35060.000	33210.000
2	22:10:12	76.488%	4.894	188.800	185.900	0.000	96160.000	35080.000	32920.000
3	22:10:54	75.650%	4.795	197.600	182.400	0.000	96790.000	35460.000	33420.000
x		77.006%	4.877	193.500	186.000	0.000	95950.000	35200.000	33190.000
σ		1.677%	0.075	4.463	3.688	0.000	953.200	224.700	251.400
%RSD		2.178	1.535	2.307	1.982	0.000	0.993	0.638	0.757

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:28	81540.000	3445.000	0.000	13890.000	68250.000	67820.000	75.523%	1546.000
2	22:10:12	80810.000	3353.000	0.000	13940.000	68780.000	67650.000	75.291%	1541.000
3	22:10:54	81900.000	3448.000	0.000	14110.000	69140.000	68840.000	74.414%	1522.000
x		81420.000	3415.000	0.000	13980.000	68720.000	68100.000	75.076%	1537.000
σ		556.000	53.980	0.000	117.000	445.500	644.500	0.585%	12.950
%RSD		0.683	1.580	0.000	0.837	0.648	0.946	0.779	0.843

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:28	206.100	159.000	2413.000	102300.000	102200.000	25.510	45.990	47.070
2	22:10:12	209.200	159.000	2411.000	102100.000	102200.000	25.530	44.600	47.480
3	22:10:54	208.500	159.600	2431.000	103700.000	103300.000	25.750	45.120	47.450
x		207.900	159.200	2418.000	102700.000	102600.000	25.600	45.240	47.340
σ		1.641	0.339	11.080	849.600	629.200	0.134	0.700	0.228
%RSD		0.789	0.213	0.458	0.827	0.613	0.525	1.547	0.482

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:28	47.660	209.200	209.400	57.570	4.876	8.061	0.000	580.700
2	22:10:12	48.190	208.400	214.400	57.900	4.810	7.445	0.000	588.000
3	22:10:54	48.640	210.400	209.000	59.380	4.334	6.806	0.000	583.900
x		48.160	209.300	210.900	58.290	4.673	7.437	0.000	584.200
σ		0.492	1.019	3.010	0.961	0.296	0.627	0.000	3.656
%RSD		1.022	0.487	1.427	1.648	6.325	8.437	0.000	0.626

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:28	0.000	4.827	4.731	69.767%	0.224	0.224	1.312	1.139
2	22:10:12	0.000	4.548	4.351	70.559%	0.219	0.187	1.047	1.018
3	22:10:54	0.000	4.659	4.145	71.146%	0.231	0.216	1.002	0.904
x		0.000	4.678	4.409	70.491%	0.225	0.209	1.120	1.021
σ		0.000	0.140	0.298	0.692%	0.006	0.020	0.168	0.117
%RSD		0.000	2.993	6.750	0.982	2.870	9.433	14.960	11.510

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:28	73.010%	18.900	0.347	0.317	120.600	122.100	82.934%	83.633%
2	22:10:12	74.795%	18.740	0.342	0.368	119.300	118.700	85.872%	85.930%
3	22:10:54	74.910%	18.380	0.278	0.347	120.700	120.500	86.565%	87.487%
x		74.238%	18.670	0.322	0.344	120.200	120.500	85.124%	85.683%
σ		1.065%	0.266	0.039	0.026	0.777	1.683	1.928%	1.939%
%RSD		1.435	1.427	12.010	7.515	0.647	1.397	2.265	2.263

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:28	1.126	1.090	82.330	79.680	81.730	65.277%
2	22:10:12	0.993	1.066	80.710	79.310	80.920	67.819%
3	22:10:54	0.961	1.007	81.520	79.390	81.040	69.078%
x		1.027	1.054	81.520	79.460	81.230	67.391%
σ		0.088	0.043	0.811	0.193	0.435	1.936%
%RSD		8.531	4.064	0.995	0.242	0.536	2.873

L9TVJ 11/22/2010 10:13:04 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:47	78.839%	8.475	244.500	237.700	0.000	109000.000	41840.000	39460.000
2	22:14:30	77.957%	8.586	244.500	239.900	0.000	110300.000	41970.000	39300.000
3	22:15:13	78.162%	8.325	237.700	235.000	0.000	109400.000	41500.000	38900.000
x		78.319%	8.462	242.200	237.600	0.000	109600.000	41770.000	39220.000
σ		0.462%	0.131	3.954	2.443	0.000	648.500	242.000	290.900
%RSD		0.589	1.545	1.632	1.028	0.000	0.592	0.579	0.742

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:47	150200.000	3952.000	0.000	21250.000	21070.000	20590.000	82.865%	2573.000
2	22:14:30	149000.000	3868.000	0.000	21400.000	21160.000	20720.000	81.199%	2581.000
3	22:15:13	148700.000	3885.000	0.000	21160.000	21020.000	20870.000	80.911%	2589.000
x		149300.000	3902.000	0.000	21270.000	21080.000	20730.000	81.658%	2581.000
σ		768.400	44.400	0.000	120.800	72.280	138.000	1.054%	7.819
%RSD		0.515	1.138	0.000	0.568	0.343	0.666	1.291	0.303

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:47	326.800	252.800	1232.000	181800.000	180500.000	42.680	73.720	67.170
2	22:14:30	331.900	254.500	1258.000	185000.000	184200.000	43.350	74.750	66.450
3	22:15:13	331.500	255.100	1262.000	185400.000	184400.000	43.120	74.490	66.280
x		330.100	254.100	1251.000	184100.000	183000.000	43.050	74.320	66.630
σ		2.845	1.181	16.040	1964.000	2207.000	0.339	0.535	0.476
%RSD		0.862	0.465	1.282	1.067	1.206	0.787	0.720	0.715

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:47	67.570	306.900	305.800	91.430	5.389	9.727	0.000	385.500
2	22:14:30	67.110	309.400	310.600	91.160	5.422	11.050	0.000	386.100
3	22:15:13	67.350	306.700	314.400	92.360	3.944	11.460	0.000	389.000
x		67.340	307.700	310.300	91.650	4.918	10.750	0.000	386.900
σ		0.231	1.535	4.272	0.629	0.844	0.906	0.000	1.864
%RSD		0.343	0.499	1.377	0.686	17.160	8.430	0.000	0.482

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:47	0.000	14.760	14.700	71.954%	0.391	0.344	1.798	1.399
2	22:14:30	0.000	15.010	14.610	71.737%	0.394	0.332	1.934	1.509
3	22:15:13	0.000	14.460	14.840	71.911%	0.361	0.341	1.679	1.411
x		0.000	14.740	14.720	71.867%	0.382	0.339	1.804	1.440
σ		0.000	0.272	0.118	0.115%	0.018	0.006	0.128	0.061
%RSD		0.000	1.843	0.801	0.160	4.693	1.894	7.082	4.209

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:47	75.912%	19.320	0.428	0.490	168.400	169.300	90.346%	90.661%
2	22:14:30	76.012%	19.930	0.482	0.430	172.200	170.300	91.121%	92.074%
3	22:15:13	75.719%	19.530	0.426	0.524	169.400	169.900	90.876%	91.629%
x		75.881%	19.590	0.445	0.481	170.000	169.800	90.781%	91.455%
σ		0.149%	0.314	0.032	0.048	1.961	0.493	0.396%	0.722%
%RSD		0.196	1.604	7.084	9.908	1.153	0.290	0.437	0.790

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:13:47	1.802	1.717	132.500	128.800	132.200	68.057%
2	22:14:30	1.702	1.721	132.300	129.000	132.200	68.874%
3	22:15:13	1.699	1.774	132.400	129.800	132.300	69.093%
x		1.734	1.737	132.400	129.200	132.200	68.674%
σ		0.059	0.032	0.110	0.506	0.084	0.546%
%RSD		3.396	1.831	0.083	0.391	0.063	0.795

CCV1-5 11/22/2010 10:20:18 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:21:01	70.308%	96.530	89.470	84.380	0.000	48150.000	50530.000	48260.000
2	22:21:44	69.056%	93.780	84.300	84.150	0.000	47890.000	50240.000	47690.000
3	22:22:27	66.580%	98.380	92.080	86.930	0.000	48850.000	50580.000	47950.000
x		68.648%	96.232%	88.617%	85.153%	0.000	96.595%	100.898%	95.936%
σ		1.897%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.764	2.405	4.466	1.815	0.000	1.027	0.369	0.590

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:21:01	484.800	4643.000	0.000	48820.000	48680.000	48530.000	68.057%	98.660
2	22:21:44	474.800	4573.000	0.000	48960.000	49060.000	49420.000	66.201%	96.380
3	22:22:27	478.300	4586.000	0.000	49290.000	49420.000	49530.000	65.453%	94.680
x		95.858%	92.014%	0.000	98.049%	98.109%	98.322%	66.570%	96.574%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.341%	n/a
%RSD		1.054	0.810	0.000	0.498	0.757	1.122	2.014	2.070

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:21:01	93.520	95.920	490.000	24400.000	24410.000	98.080	98.120	99.910
2	22:21:44	96.540	96.860	491.800	24440.000	24490.000	97.470	97.270	101.500
3	22:22:27	94.270	96.620	497.100	24590.000	24720.000	97.580	97.120	100.300
x		94.773%	96.468%	98.593%	97.909%	98.163%	97.711%	97.505%	100.582%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.660	0.504	0.752	0.405	0.655	0.329	0.553	0.833

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:21:01	99.870	105.100	106.100	102.100	101.700	100.700	0.000	97.580
2	22:21:44	99.950	105.600	106.400	101.500	99.430	100.900	0.000	98.080
3	22:22:27	99.650	106.300	105.100	102.600	100.500	103.000	0.000	97.840
x		99.825%	105.649%	105.857%	102.045%	100.530%	101.493%	0.000	97.833%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.156	0.586	0.651	0.536	1.130	1.255	0.000	0.253

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:21:01	72.086%	82.960	84.660	67.289%	99.130	98.270	99.100	97.380
2	22:21:44	71.510%	89.770	90.990	67.067%	99.090	99.090	99.770	98.100
3	22:22:27	71.275%	94.760	96.700	66.721%	99.750	98.560	99.080	96.730
x		71.624%	89.160%	90.782%	67.026%	99.325%	98.642%	99.318%	97.404%
σ		0.417%	n/a	n/a	0.286%	n/a	n/a	n/a	n/a
%RSD		0.582	6.644	6.635	0.427	0.373	0.420	0.392	0.708

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:21:01	71.490%	93.720	97.270	96.630	94.190	97.280	79.192%	79.126%
2	22:21:44	71.572%	94.790	97.340	98.280	97.690	97.640	79.556%	80.090%
3	22:22:27	71.306%	95.080	98.000	98.810	96.000	98.190	79.944%	80.510%
x		71.456%	94.532%	97.539%	97.907%	95.962%	97.704%	79.564%	79.908%
σ		0.136%	n/a	n/a	n/a	n/a	n/a	0.376%	0.710%
%RSD		0.190	0.755	0.412	1.166	1.823	0.470	0.472	0.888

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:21:01	101.600	102.200	102.300	103.500	103.400	78.393%
2	22:21:44	101.700	101.700	103.000	102.500	102.900	79.458%
3	22:22:27	101.600	101.800	103.200	103.600	103.700	79.691%
x		101.634%	101.918%	102.816%	103.216%	103.323%	79.180%
σ		n/a	n/a	n/a	n/a	n/a	0.692%
%RSD		0.074	0.236	0.434	0.588	0.408	0.874

CCB5 11/22/2010 10:27:34 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:28:17	94.288%	0.024	3.412	2.912	0.000	49.050	2.640	2.596
2	22:29:00	93.486%	0.001	2.324	2.548	0.000	48.240	2.765	2.863
3	22:29:43	90.402%	0.010	3.056	2.852	0.000	48.710	2.526	2.602
x		92.725%	0.012	2.931	2.771	0.000	48.670	2.644	2.687
σ		2.051%	0.012	0.555	0.195	0.000	0.408	0.120	0.153
%RSD		2.212	95.950	18.940	7.052	0.000	0.839	4.519	5.684

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:28:17	-0.394	-0.588	0.000	4.382	7.964	34.160	95.631%	0.018
2	22:29:00	-0.446	-0.917	0.000	2.371	3.810	30.470	95.427%	-0.077
3	22:29:43	-0.398	-0.948	0.000	4.089	3.917	33.920	94.589%	-0.212
x		-0.413	-0.818	0.000	3.614	5.230	32.850	95.216%	-0.090
σ		0.029	0.199	0.000	1.086	2.368	2.065	0.552%	0.116
%RSD		7.023	24.380	0.000	30.060	45.270	6.285	0.580	128.100

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:28:17	0.420	0.380	0.011	5.460	2.387	-0.002	-0.000	0.345
2	22:29:00	0.203	0.331	0.032	3.310	-0.065	0.001	-0.000	0.327
3	22:29:43	0.577	0.302	0.016	1.834	-0.323	0.002	0.020	0.344
x		0.400	0.338	0.020	3.535	0.666	0.001	0.007	0.339
σ		0.188	0.039	0.011	1.823	1.495	0.002	0.012	0.010
%RSD		46.870	11.660	57.680	51.570	224.400	363.400	177.300	3.012

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:28:17	-0.054	0.703	0.670	0.126	-0.707	0.637	0.000	0.004
2	22:29:00	-0.050	0.614	0.471	-0.072	-0.706	0.360	0.000	0.003
3	22:29:43	-0.083	0.496	0.719	0.602	-0.970	1.512	0.000	0.006
x		-0.063	0.604	0.620	0.219	-0.794	0.836	0.000	0.004
σ		0.018	0.103	0.132	0.346	0.152	0.601	0.000	0.001
%RSD		29.010	17.130	21.220	158.300	19.140	71.870	0.000	26.210

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:28:17	92.328%	1.134	1.070	91.082%	-0.013	0.011	-0.164	-0.090
2	22:29:00	92.616%	1.048	0.928	92.415%	0.003	0.004	-0.125	-0.055
3	22:29:43	93.386%	0.703	0.724	92.965%	0.002	0.008	-0.139	-0.082
x		92.777%	0.962	0.907	92.154%	-0.003	0.008	-0.142	-0.076
σ		0.547%	0.228	0.174	0.968%	0.009	0.004	0.020	0.018
%RSD		0.590	23.690	19.210	1.051	326.200	46.670	13.920	23.740

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:28:17	92.714%	-0.678	0.158	0.127	-0.048	-0.023	92.563%	92.303%
2	22:29:00	94.143%	-0.664	0.124	0.113	0.025	-0.036	94.968%	94.657%
3	22:29:43	95.268%	-0.659	0.130	0.095	-0.041	-0.011	95.661%	95.881%
x		94.042%	-0.667	0.137	0.112	-0.021	-0.023	94.397%	94.280%
σ		1.280%	0.010	0.018	0.016	0.040	0.012	1.626%	1.818%
%RSD		1.361	1.464	13.320	14.380	189.400	52.500	1.722	1.929

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:28:17	0.002	0.006	0.338	0.343	0.342	89.551%
2	22:29:00	0.001	0.004	0.287	0.284	0.289	92.501%
3	22:29:43	0.010	-0.001	0.251	0.259	0.261	94.179%
x		0.004	0.003	0.292	0.295	0.297	92.077%
σ		0.005	0.004	0.043	0.043	0.041	2.343%
%RSD		110.600	121.600	14.890	14.690	13.660	2.544

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:38	79.983%	6.649	196.900	190.400	0.000	53340.000	58590.000	56180.000
2	22:33:21	79.887%	6.496	194.200	185.200	0.000	52890.000	58740.000	55670.000
3	22:34:04	81.351%	6.398	185.400	180.600	0.000	53340.000	59140.000	55750.000
x		80.407%	6.514	192.200	185.400	0.000	53190.000	58820.000	55870.000
σ		0.819%	0.126	5.989	4.905	0.000	260.000	285.900	271.100
%RSD		1.018	1.941	3.117	2.645	0.000	0.489	0.486	0.485

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:38	117000.000	3964.000	0.000	23720.000	24240.000	23480.000	83.464%	2697.000
2	22:33:21	114800.000	3934.000	0.000	23750.000	23980.000	23680.000	82.966%	2717.000
3	22:34:04	114300.000	3963.000	0.000	23770.000	23930.000	23760.000	82.583%	2715.000
x		115300.000	3954.000	0.000	23750.000	24050.000	23640.000	83.004%	2710.000
σ		1413.000	17.140	0.000	21.180	168.400	144.500	0.442%	10.790
%RSD		1.225	0.434	0.000	0.089	0.700	0.611	0.532	0.398

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:38	286.500	322.200	2700.000	242000.000	240100.000	96.430	227.900	293.600
2	22:33:21	288.200	323.700	2716.000	243000.000	241200.000	95.220	225.600	291.600
3	22:34:04	287.200	321.800	2727.000	243600.000	242600.000	96.210	224.400	293.100
x		287.300	322.600	2714.000	242900.000	241300.000	95.950	226.000	292.800
σ		0.878	1.003	13.600	822.100	1270.000	0.647	1.774	1.034
%RSD		0.305	0.311	0.501	0.339	0.526	0.674	0.785	0.353

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:38	297.400	847.200	858.300	86.170	4.937	10.270	0.000	230.400
2	22:33:21	296.300	850.200	865.400	85.370	4.573	10.070	0.000	232.600
3	22:34:04	299.800	857.000	869.800	87.400	4.913	9.893	0.000	232.500
x		297.800	851.500	864.500	86.310	4.808	10.080	0.000	231.800
σ		1.816	4.995	5.769	1.020	0.203	0.188	0.000	1.248
%RSD		0.610	0.587	0.667	1.182	4.230	1.867	0.000	0.538

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:38	0.000	17.630	18.140	73.427%	7.189	7.099	3.812	3.418
2	22:33:21	0.000	17.780	17.430	73.475%	7.149	6.878	4.257	3.632
3	22:34:04	0.000	17.210	17.730	73.516%	6.967	7.163	3.649	3.335
x		0.000	17.540	17.760	73.473%	7.102	7.047	3.906	3.462
σ		0.000	0.293	0.356	0.044%	0.118	0.149	0.315	0.153
%RSD		0.000	1.669	2.002	0.060	1.668	2.122	8.054	4.427

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:38	77.509%	37.420	1.861	1.889	358.800	355.600	94.399%	94.019%
2	22:33:21	77.179%	38.020	1.579	1.731	360.400	357.600	94.646%	94.554%
3	22:34:04	77.727%	37.070	1.498	1.529	361.400	357.300	94.792%	94.559%
x		77.472%	37.500	1.646	1.716	360.200	356.800	94.612%	94.377%
σ		0.276%	0.480	0.191	0.181	1.268	1.075	0.198%	0.310%
%RSD		0.357	1.279	11.570	10.530	0.352	0.301	0.209	0.329

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:38	1.618	1.601	349.600	346.800	351.900	69.303%
2	22:33:21	1.566	1.546	352.300	348.500	353.700	69.921%
3	22:34:04	1.588	1.594	351.100	347.300	352.900	70.293%
x		1.591	1.580	351.000	347.500	352.800	69.839%
σ		0.026	0.030	1.332	0.916	0.873	0.500%
%RSD		1.618	1.887	0.379	0.264	0.247	0.716

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:56	82.041%	1.245	39.000	39.750	0.000	10920.000	12230.000	11860.000
2	22:37:39	78.933%	1.458	38.410	38.270	0.000	10950.000	12300.000	11770.000
3	22:38:22	79.395%	1.304	37.840	36.950	0.000	10900.000	12200.000	11620.000
x		80.123%	1.336	38.420	38.320	0.000	10920.000	12250.000	11750.000
σ		1.677%	0.110	0.580	1.403	0.000	26.150	49.210	121.800
%RSD		2.093	8.243	1.509	3.661	0.000	0.239	0.402	1.037

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:56	24240.000	891.900	0.000	5127.000	4866.000	5153.000	78.308%	586.500
2	22:37:39	24180.000	870.100	0.000	5128.000	4971.000	5203.000	77.581%	574.300
3	22:38:22	23810.000	840.900	0.000	5136.000	5120.000	5126.000	76.744%	569.000
x		24070.000	867.600	0.000	5130.000	4986.000	5161.000	77.544%	576.600
σ		230.600	25.590	0.000	4.781	127.200	39.200	0.783%	8.958
%RSD		0.958	2.950	0.000	0.093	2.552	0.759	1.009	1.554

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:56	60.810	67.800	552.700	49390.000	48740.000	19.050	45.850	59.600
2	22:37:39	59.410	68.230	557.200	49580.000	48730.000	18.990	44.820	58.940
3	22:38:22	60.910	67.520	555.000	49620.000	49010.000	19.490	45.760	59.740
x		60.380	67.850	555.000	49530.000	48830.000	19.180	45.480	59.430
σ		0.838	0.356	2.258	122.500	156.900	0.273	0.569	0.427
%RSD		1.388	0.524	0.407	0.247	0.321	1.424	1.252	0.718

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:56	59.690	170.500	169.100	15.870	0.759	1.955	0.000	38.310
2	22:37:39	59.630	170.200	170.200	16.280	0.403	2.652	0.000	38.160
3	22:38:22	58.920	172.000	172.900	16.920	0.654	2.952	0.000	38.330
x		59.410	170.900	170.700	16.360	0.605	2.520	0.000	38.270
σ		0.431	0.933	1.962	0.531	0.183	0.511	0.000	0.089
%RSD		0.725	0.546	1.149	3.248	30.210	20.290	0.000	0.232

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:56	94.590%	2.990	3.101	78.012%	1.415	1.452	0.624	0.682
2	22:37:39	94.825%	2.901	3.035	78.654%	1.370	1.352	0.741	0.649
3	22:38:22	94.810%	2.899	3.034	78.758%	1.401	1.379	0.558	0.606
x		94.742%	2.930	3.057	78.475%	1.395	1.394	0.641	0.646
σ		0.132%	0.052	0.039	0.404%	0.023	0.052	0.093	0.038
%RSD		0.139	1.778	1.261	0.515	1.644	3.724	14.440	5.877

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:56	81.265%	6.550	0.234	0.238	76.120	75.090	86.076%	86.047%
2	22:37:39	81.349%	6.574	0.198	0.229	75.950	75.940	87.891%	87.900%
3	22:38:22	82.287%	6.412	0.239	0.229	73.430	75.450	88.678%	88.410%
x		81.633%	6.512	0.223	0.232	75.170	75.490	87.548%	87.452%
σ		0.568%	0.087	0.022	0.005	1.508	0.427	1.335%	1.244%
%RSD		0.695	1.341	9.940	2.210	2.006	0.565	1.525	1.422

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:36:56	0.287	0.326	70.690	69.320	70.740	72.170%
2	22:37:39	0.313	0.320	70.180	68.910	69.960	74.286%
3	22:38:22	0.327	0.299	70.110	68.730	69.830	75.325%
x		0.309	0.315	70.320	68.980	70.180	73.927%
σ		0.020	0.014	0.315	0.301	0.492	1.608%
%RSD		6.528	4.510	0.448	0.436	0.702	2.175

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:15	74.006%	51.010	1056.000	991.900	0.000	95910.000	108400.000	101700.000
2	22:41:58	73.646%	51.420	1039.000	968.100	0.000	95860.000	107500.000	101600.000
3	22:42:41	72.777%	51.350	1051.000	973.300	0.000	96350.000	107900.000	103200.000
x		73.476%	51.260	1049.000	977.800	0.000	96040.000	107900.000	102200.000
σ		0.632%	0.220	9.172	12.490	0.000	272.000	431.200	904.800
%RSD		0.860	0.430	0.875	1.278	0.000	0.283	0.400	0.885

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:15	160700.000	6755.000	0.000	76000.000	67010.000	64990.000	78.496%	4155.000
2	22:41:58	158900.000	6714.000	0.000	76330.000	66050.000	65140.000	77.847%	4167.000
3	22:42:41	161700.000	6777.000	0.000	76420.000	65740.000	65280.000	77.592%	4202.000
x		160400.000	6749.000	0.000	76250.000	66270.000	65130.000	77.978%	4174.000
σ		1428.000	31.970	0.000	219.800	659.800	148.300	0.466%	24.760
%RSD		0.890	0.474	0.000	0.288	0.996	0.228	0.598	0.593

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:15	753.400	517.100	3180.000	249400.000	247400.000	506.000	643.800	503.800
2	22:41:58	747.500	515.800	3182.000	251200.000	248200.000	507.200	642.800	501.000
3	22:42:41	759.200	521.800	3214.000	251600.000	249700.000	508.800	642.200	502.500
x		753.400	518.200	3192.000	250700.000	248400.000	507.300	642.900	502.400
σ		5.848	3.178	19.220	1178.000	1168.000	1.385	0.794	1.431
%RSD		0.776	0.613	0.602	0.470	0.470	0.273	0.123	0.285

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:15	508.400	1319.000	1339.000	118.800	14.400	18.770	0.000	1182.000
2	22:41:58	508.400	1328.000	1343.000	115.100	13.710	18.470	0.000	1200.000
3	22:42:41	511.600	1327.000	1332.000	119.300	13.580	17.930	0.000	1197.000
x		509.500	1325.000	1338.000	117.700	13.900	18.390	0.000	1193.000
σ		1.822	4.869	5.603	2.284	0.437	0.428	0.000	9.500
%RSD		0.358	0.367	0.419	1.940	3.142	2.328	0.000	0.796

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:15	0.000	963.000	975.500	68.378%	52.850	51.950	50.080	43.810
2	22:41:58	0.000	978.200	987.200	67.983%	53.450	52.620	48.680	43.660
3	22:42:41	0.000	989.100	995.700	67.821%	53.190	51.830	48.450	42.880
x		0.000	976.800	986.100	68.061%	53.160	52.130	49.070	43.450
σ		0.000	13.080	10.180	0.286%	0.302	0.429	0.882	0.500
%RSD		0.000	1.339	1.032	0.421	0.568	0.823	1.798	1.151

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:15	72.177%	1780.000	253.300	252.100	2240.000	2226.000	89.882%	89.989%
2	22:41:58	72.099%	1795.000	255.100	254.300	2253.000	2235.000	90.115%	90.688%
3	22:42:41	72.005%	1797.000	254.900	255.900	2258.000	2243.000	90.239%	90.174%
x		72.094%	1791.000	254.400	254.100	2251.000	2234.000	90.079%	90.284%
σ		0.086%	9.526	0.970	1.928	9.527	8.458	0.181%	0.363%
%RSD		0.119	0.532	0.381	0.759	0.423	0.379	0.201	0.402

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:41:15	55.080	56.020	376.000	372.500	378.500	65.655%
2	22:41:58	55.650	56.160	377.500	374.900	379.800	66.220%
3	22:42:41	55.740	56.660	377.200	375.600	379.900	65.992%
x		55.490	56.280	376.900	374.300	379.400	65.956%
σ		0.357	0.338	0.772	1.586	0.814	0.284%
%RSD		0.644	0.601	0.205	0.424	0.214	0.430

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:35	76.756%	52.620	1079.000	1018.000	0.000	99890.000	113200.000	107100.000
2	22:46:18	75.846%	52.380	1057.000	1008.000	0.000	101300.000	113700.000	107600.000
3	22:47:01	74.494%	52.790	1062.000	1005.000	0.000	101500.000	114100.000	107500.000
x		75.699%	52.600	1066.000	1010.000	0.000	100900.000	113700.000	107400.000
σ		1.138%	0.208	11.870	7.048	0.000	881.000	412.600	291.700
%RSD		1.503	0.395	1.114	0.698	0.000	0.873	0.363	0.272

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:35	175700.000	6173.000	0.000	78970.000	69150.000	67870.000	79.988%	4489.000
2	22:46:18	174400.000	6017.000	0.000	79130.000	68120.000	67370.000	79.185%	4476.000
3	22:47:01	173500.000	6033.000	0.000	80020.000	69510.000	68680.000	78.757%	4474.000
x		174500.000	6074.000	0.000	79370.000	68920.000	67970.000	79.310%	4480.000
σ		1133.000	85.790	0.000	564.200	722.200	662.800	0.625%	7.866
%RSD		0.649	1.412	0.000	0.711	1.048	0.975	0.788	0.176

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:35	791.500	558.600	3480.000	274800.000	271500.000	511.800	665.100	530.500
2	22:46:18	798.300	560.600	3482.000	274700.000	273700.000	513.700	663.400	534.600
3	22:47:01	790.400	556.500	3487.000	274700.000	272700.000	513.900	663.300	531.100
x		793.400	558.600	3483.000	274800.000	272600.000	513.100	663.900	532.000
σ		4.261	2.038	3.654	57.320	1088.000	1.138	1.020	2.201
%RSD		0.537	0.365	0.105	0.021	0.399	0.222	0.154	0.414

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:35	539.700	1392.000	1419.000	127.600	14.910	19.920	0.000	1211.000
2	22:46:18	539.500	1410.000	1428.000	128.900	14.490	17.170	0.000	1227.000
3	22:47:01	541.600	1416.000	1432.000	127.700	14.040	19.020	0.000	1222.000
x		540.300	1406.000	1426.000	128.000	14.480	18.700	0.000	1220.000
σ		1.142	12.560	6.735	0.720	0.434	1.401	0.000	8.197
%RSD		0.211	0.893	0.472	0.562	3.000	7.489	0.000	0.672

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:35	0.000	981.500	983.700	67.380%	54.030	53.310	49.770	44.800
2	22:46:18	0.000	983.600	988.900	67.750%	54.040	53.740	51.060	44.530
3	22:47:01	0.000	975.700	991.300	68.448%	53.880	53.310	49.580	43.970
x		0.000	980.200	988.000	67.859%	53.980	53.450	50.140	44.430
σ		0.000	4.073	3.895	0.543%	0.091	0.248	0.805	0.424
%RSD		0.000	0.415	0.394	0.800	0.168	0.463	1.606	0.955

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:35	70.999%	1789.000	238.300	237.700	2291.000	2258.000	89.294%	88.580%
2	22:46:18	72.103%	1793.000	238.000	238.500	2274.000	2254.000	91.308%	90.828%
3	22:47:01	72.584%	1781.000	238.400	237.700	2277.000	2262.000	91.898%	91.633%
x		71.895%	1788.000	238.200	238.000	2281.000	2258.000	90.834%	90.347%
σ		0.812%	5.827	0.195	0.456	8.895	4.074	1.365%	1.583%
%RSD		1.130	0.326	0.082	0.192	0.390	0.180	1.503	1.752

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:45:35	55.780	56.540	417.000	414.100	420.300	63.645%
2	22:46:18	56.050	56.740	419.300	415.800	421.700	65.329%
3	22:47:01	56.060	57.150	417.600	416.500	420.800	66.011%
x		55.960	56.810	418.000	415.400	420.900	64.995%
σ		0.159	0.313	1.175	1.259	0.731	1.218%
%RSD		0.283	0.550	0.281	0.303	0.174	1.874

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:55	64.856%	8.095	262.500	254.800	0.000	52680.000	76670.000	72540.000
2	22:50:38	64.615%	7.854	263.000	241.900	0.000	52550.000	75710.000	71750.000
3	22:51:20	62.575%	7.812	275.400	250.800	0.000	53800.000	77550.000	72150.000
x		64.015%	7.920	267.000	249.200	0.000	53010.000	76640.000	72150.000
σ		1.253%	0.153	7.307	6.592	0.000	690.000	916.600	397.500
%RSD		1.958	1.931	2.737	2.646	0.000	1.302	1.196	0.551

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:55	147900.000	2620.000	0.000	32270.000	653800.000	677800.000	68.681%	4047.000
2	22:50:38	146500.000	2598.000	0.000	32710.000	664700.000	686300.000	67.291%	4043.000
3	22:51:20	146200.000	2600.000	0.000	32580.000	657600.000	686800.000	67.554%	4059.000
x		146900.000	2606.000	0.000	32520.000	658700.000	683600.000	67.842%	4050.000
σ		906.700	12.280	0.000	222.900	5569.000	5097.000	0.738%	8.373
%RSD		0.617	0.471	0.000	0.685	0.846	0.746	1.088	0.207

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:55	315.500	345.200	3317.000	251600.000	253300.000	97.290	227.300	285.600
2	22:50:38	320.300	348.200	3356.000	254800.000	256400.000	99.020	229.900	287.200
3	22:51:20	316.700	345.900	3344.000	252700.000	254600.000	99.070	229.200	283.000
x		317.500	346.400	3339.000	253000.000	254800.000	98.460	228.800	285.300
σ		2.549	1.571	19.880	1620.000	1534.000	1.014	1.379	2.103
%RSD		0.803	0.453	0.595	0.640	0.602	1.030	0.603	0.737

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:55	286.300	1629.000	1655.000	84.040	6.393	9.864	0.000	4405.000
2	22:50:38	292.500	1655.000	1674.000	85.410	6.146	9.201	0.000	4429.000
3	22:51:20	287.400	1647.000	1683.000	85.160	6.488	10.480	0.000	4440.000
x		288.700	1644.000	1671.000	84.870	6.342	9.848	0.000	4425.000
σ		3.320	13.300	14.180	0.728	0.176	0.640	0.000	17.950
%RSD		1.150	0.809	0.849	0.858	2.782	6.498	0.000	0.406

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:55	0.000	26.920	26.350	62.238%	6.583	6.291	4.088	3.513
2	22:50:38	0.000	21.160	21.510	62.697%	6.637	6.287	4.415	3.930
3	22:51:20	0.000	19.940	19.790	62.384%	6.602	6.400	4.433	3.512
x		0.000	22.670	22.550	62.440%	6.607	6.326	4.312	3.652
σ		0.000	3.727	3.406	0.234%	0.027	0.064	0.195	0.241
%RSD		0.000	16.440	15.100	0.375	0.416	1.016	4.511	6.605

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:55	68.028%	40.830	1.571	1.746	556.400	549.400	84.081%	85.063%
2	22:50:38	68.376%	38.460	1.534	1.643	549.800	546.300	86.174%	86.817%
3	22:51:20	68.125%	38.520	1.605	1.592	553.600	551.000	86.128%	85.700%
x		68.176%	39.270	1.570	1.660	553.300	548.900	85.461%	85.860%
σ		0.179%	1.353	0.036	0.078	3.353	2.343	1.195%	0.888%
%RSD		0.263	3.445	2.264	4.724	0.606	0.427	1.399	1.034

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:49:55	1.778	1.786	366.500	360.900	366.700	62.444%
2	22:50:38	1.710	1.671	364.100	359.300	366.200	63.719%
3	22:51:20	1.753	1.649	364.100	361.100	366.300	63.473%
x		1.747	1.702	364.900	360.400	366.400	63.212%
σ		0.034	0.074	1.366	0.987	0.253	0.676%
%RSD		1.967	4.330	0.374	0.274	0.069	1.070

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:14	77.395%	9.046	250.100	241.300	0.000	100400.000	82180.000	78500.000
2	22:54:58	77.175%	8.674	243.600	235.300	0.000	101000.000	82770.000	78600.000
3	22:55:41	74.503%	8.622	254.700	232.700	0.000	101400.000	82290.000	78500.000
x		76.358%	8.781	249.500	236.400	0.000	100900.000	82410.000	78540.000
σ		1.610%	0.231	5.546	4.434	0.000	520.400	312.900	58.090
%RSD		2.108	2.634	2.223	1.875	0.000	0.516	0.380	0.074

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:14	140500.000	2245.000	0.000	30700.000	57460.000	56110.000	81.370%	3296.000
2	22:54:58	140000.000	2203.000	0.000	30920.000	56920.000	57140.000	80.295%	3301.000
3	22:55:41	139500.000	2228.000	0.000	30940.000	56900.000	56680.000	80.257%	3267.000
x		140000.000	2225.000	0.000	30850.000	57090.000	56640.000	80.641%	3288.000
σ		489.400	20.820	0.000	129.300	318.800	516.300	0.632%	18.230
%RSD		0.350	0.935	0.000	0.419	0.559	0.911	0.784	0.554

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:14	345.200	998.000	4502.000	307900.000	306300.000	107.800	342.900	1266.000
2	22:54:58	349.600	1001.000	4559.000	312500.000	310500.000	109.100	344.000	1271.000
3	22:55:41	349.400	992.300	4525.000	309300.000	307400.000	107.600	337.000	1255.000
x		348.100	997.200	4529.000	309900.000	308100.000	108.200	341.300	1264.000
σ		2.483	4.575	28.440	2316.000	2184.000	0.812	3.796	8.460
%RSD		0.713	0.459	0.628	0.747	0.709	0.750	1.112	0.669

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:14	1281.000	2513.000	2552.000	142.100	10.570	15.390	0.000	478.100
2	22:54:58	1295.000	2535.000	2573.000	140.800	9.125	14.130	0.000	479.700
3	22:55:41	1279.000	2532.000	2566.000	140.500	9.568	15.280	0.000	483.200
x		1285.000	2527.000	2564.000	141.100	9.755	14.940	0.000	480.300
σ		8.635	11.900	11.160	0.888	0.741	0.698	0.000	2.619
%RSD		0.672	0.471	0.435	0.629	7.600	4.676	0.000	0.545

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:14	0.000	26.510	26.500	70.320%	42.950	42.490	25.520	25.590
2	22:54:58	0.000	25.890	26.230	70.792%	42.410	41.780	27.320	25.200
3	22:55:41	0.000	25.290	25.950	70.593%	42.430	41.620	27.350	25.760
x		0.000	25.900	26.220	70.569%	42.600	41.960	26.730	25.520
σ		0.000	0.613	0.276	0.237%	0.306	0.462	1.051	0.287
%RSD		0.000	2.365	1.053	0.336	0.717	1.102	3.933	1.123

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:14	74.193%	162.900	3.496	3.581	761.000	749.900	91.653%	91.937%
2	22:54:58	75.471%	163.600	3.410	3.430	755.300	747.300	93.560%	92.895%
3	22:55:41	75.357%	163.200	3.541	3.675	757.300	750.100	94.483%	94.649%
x		75.007%	163.200	3.482	3.562	757.800	749.100	93.232%	93.160%
σ		0.707%	0.318	0.067	0.123	2.899	1.579	1.443%	1.375%
%RSD		0.943	0.195	1.924	3.458	0.383	0.211	1.548	1.476

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:14	3.047	3.032	1709.000	1691.000	1720.000	66.855%
2	22:54:58	3.064	2.947	1707.000	1694.000	1726.000	68.345%
3	22:55:41	3.014	3.064	1704.000	1689.000	1724.000	69.024%
x		3.042	3.014	1707.000	1691.000	1723.000	68.075%
σ		0.025	0.061	2.705	2.081	3.337	1.110%
%RSD		0.829	2.010	0.159	0.123	0.194	1.630

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:35	64.882%	9.164	310.200	296.100	0.000	92030.000	98590.000	91420.000
2	22:59:18	63.180%	8.837	309.500	293.900	0.000	92750.000	98770.000	92240.000
3	23:00:01	63.510%	9.591	311.500	292.100	0.000	92720.000	97150.000	90910.000
x		63.857%	9.197	310.400	294.000	0.000	92500.000	98170.000	91520.000
σ		0.903%	0.378	1.001	1.997	0.000	404.800	888.200	669.700
%RSD		1.413	4.111	0.323	0.679	0.000	0.438	0.905	0.732

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:35	170600.000	2444.000	0.000	40440.000	744000.000	772600.000	69.001%	4791.000
2	22:59:18	171000.000	2430.000	0.000	40550.000	750700.000	778500.000	68.355%	4866.000
3	23:00:01	168400.000	2379.000	0.000	40160.000	751800.000	774200.000	67.516%	4837.000
x		170000.000	2418.000	0.000	40390.000	748800.000	775100.000	68.291%	4832.000
σ		1393.000	34.140	0.000	202.300	4243.000	3046.000	0.744%	37.640
%RSD		0.820	1.412	0.000	0.501	0.567	0.393	1.090	0.779

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:35	371.400	952.200	4940.000	307800.000	310200.000	113.600	326.800	1124.000
2	22:59:18	372.500	951.700	4978.000	311600.000	312600.000	115.100	332.800	1136.000
3	23:00:01	376.400	958.600	4973.000	310100.000	311400.000	113.600	328.400	1131.000
x		373.400	954.200	4963.000	309800.000	311400.000	114.100	329.300	1130.000
σ		2.610	3.827	20.860	1954.000	1229.000	0.883	3.070	5.653
%RSD		0.699	0.401	0.420	0.631	0.395	0.774	0.932	0.500

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:35	1150.000	3136.000	3180.000	136.400	10.620	14.050	0.000	5047.000
2	22:59:18	1148.000	3161.000	3220.000	133.800	10.570	15.950	0.000	5075.000
3	23:00:01	1151.000	3185.000	3249.000	136.700	10.470	15.970	0.000	5102.000
x		1150.000	3161.000	3216.000	135.600	10.560	15.320	0.000	5075.000
σ		1.565	24.720	34.550	1.581	0.078	1.106	0.000	27.560
%RSD		0.136	0.782	1.074	1.165	0.742	7.215	0.000	0.543

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:35	0.000	24.040	24.850	60.971%	37.200	37.170	26.340	23.900
2	22:59:18	0.000	24.820	25.320	60.773%	37.280	36.680	24.910	24.000
3	23:00:01	0.000	24.200	24.230	60.762%	37.680	37.200	24.860	23.200
x		0.000	24.350	24.800	60.835%	37.390	37.020	25.370	23.700
σ		0.000	0.412	0.548	0.117%	0.257	0.294	0.842	0.437
%RSD		0.000	1.692	2.212	0.193	0.688	0.793	3.320	1.843

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:35	67.161%	146.800	3.222	3.441	911.200	906.500	84.510%	84.183%
2	22:59:18	67.202%	146.000	3.192	3.367	920.400	916.500	85.831%	85.849%
3	23:00:01	67.238%	146.100	3.268	3.274	928.200	915.100	85.441%	86.154%
x		67.200%	146.300	3.227	3.360	920.000	912.700	85.260%	85.395%
σ		0.038%	0.440	0.038	0.084	8.546	5.406	0.679%	1.061%
%RSD		0.057	0.301	1.172	2.490	0.929	0.592	0.796	1.242

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:35	2.657	2.613	1578.000	1566.000	1597.000	61.803%
2	22:59:18	2.758	2.657	1584.000	1570.000	1602.000	62.520%
3	23:00:01	2.693	2.729	1585.000	1576.000	1605.000	62.386%
x		2.703	2.666	1582.000	1571.000	1601.000	62.236%
σ		0.051	0.059	3.943	4.765	4.128	0.382%
%RSD		1.880	2.208	0.249	0.303	0.258	0.613

L9X1M 11/22/2010 11:02:13 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:56	77.598%	7.388	202.000	203.300	0.000	84820.000	71180.000	68270.000
2	23:03:39	76.065%	7.756	207.900	202.500	0.000	85440.000	71860.000	67830.000
3	23:04:22	74.574%	7.445	209.400	200.300	0.000	85930.000	72060.000	67840.000
x		76.079%	7.530	206.400	202.000	0.000	85400.000	71700.000	67980.000
σ		1.512%	0.198	3.914	1.577	0.000	552.000	461.900	253.500
%RSD		1.988	2.631	1.897	0.780	0.000	0.646	0.644	0.373

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:56	105500.000	2285.000	0.000	24600.000	80890.000	80240.000	78.282%	3149.000
2	23:03:39	104900.000	2241.000	0.000	24840.000	81860.000	80190.000	78.247%	3132.000
3	23:04:22	104800.000	2237.000	0.000	24750.000	81920.000	84570.000	77.836%	3117.000
x		105100.000	2254.000	0.000	24730.000	81560.000	81670.000	78.122%	3133.000
σ		353.000	26.900	0.000	120.900	575.900	2514.000	0.248%	16.060
%RSD		0.336	1.193	0.000	0.489	0.706	3.078	0.317	0.512

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:56	285.200	492.400	4594.000	247800.000	247000.000	90.020	252.300	665.400
2	23:03:39	279.500	484.400	4615.000	247300.000	246700.000	90.130	248.500	656.700
3	23:04:22	280.300	484.700	4598.000	245500.000	246000.000	89.570	248.400	654.200
x		281.700	487.200	4602.000	246800.000	246600.000	89.910	249.700	658.800
σ		3.076	4.535	10.710	1216.000	488.600	0.296	2.191	5.864
%RSD		1.092	0.931	0.233	0.493	0.198	0.329	0.877	0.890

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:56	673.600	1420.000	1437.000	88.460	6.729	10.850	0.000	423.400
2	23:03:39	662.900	1423.000	1440.000	88.130	6.298	10.690	0.000	425.300
3	23:04:22	667.700	1430.000	1440.000	87.330	6.219	10.610	0.000	419.800
x		668.100	1424.000	1439.000	87.970	6.415	10.720	0.000	422.800
σ		5.384	4.860	1.873	0.581	0.274	0.125	0.000	2.783
%RSD		0.806	0.341	0.130	0.660	4.275	1.164	0.000	0.658

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:56	0.000	12.670	12.430	70.448%	17.950	17.510	8.523	8.171
2	23:03:39	0.000	12.310	12.580	70.824%	17.480	17.190	8.675	7.914
3	23:04:22	0.000	12.590	12.380	71.307%	17.340	17.470	8.593	8.001
x		0.000	12.520	12.460	70.859%	17.590	17.390	8.597	8.029
σ		0.000	0.190	0.107	0.430%	0.318	0.173	0.076	0.131
%RSD		0.000	1.516	0.859	0.607	1.807	0.993	0.886	1.625

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:56	73.770%	73.360	2.177	2.199	593.400	592.600	89.907%	90.191%
2	23:03:39	75.403%	72.060	2.070	2.139	596.500	592.900	90.814%	91.735%
3	23:04:22	75.841%	71.220	2.184	2.095	593.300	590.800	92.308%	92.807%
x		75.005%	72.210	2.144	2.145	594.400	592.100	91.010%	91.577%
σ		1.091%	1.076	0.064	0.052	1.806	1.175	1.212%	1.315%
%RSD		1.455	1.490	2.984	2.418	0.304	0.198	1.332	1.436

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:56	2.125	2.101	791.600	783.100	793.300	65.420%
2	23:03:39	2.170	2.158	786.100	779.900	789.500	67.410%
3	23:04:22	2.163	2.144	792.900	784.200	793.000	67.775%
x		2.153	2.134	790.200	782.400	792.000	66.868%
σ		0.024	0.030	3.600	2.239	2.138	1.267%
%RSD		1.122	1.397	0.456	0.286	0.270	1.895

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:07:16	64.296%	8.705	318.000	307.100	0.000	82210.000	89840.000	83930.000
2	23:07:59	62.997%	8.886	323.800	299.800	0.000	83240.000	91210.000	84620.000
3	23:08:42	63.678%	8.676	306.900	296.400	0.000	81040.000	88100.000	82610.000
x		63.657%	8.755	316.200	301.100	0.000	82160.000	89720.000	83720.000
σ		0.650%	0.114	8.547	5.508	0.000	1097.000	1561.000	1021.000
%RSD		1.021	1.300	2.703	1.829	0.000	1.335	1.739	1.219

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:07:16	147000.000	2684.000	0.000	36820.000	727700.000	755200.000	67.264%	5090.000
2	23:07:59	146300.000	2657.000	0.000	36850.000	726800.000	759200.000	66.959%	5054.000
3	23:08:42	143300.000	2613.000	0.000	36550.000	728100.000	757800.000	66.563%	5054.000
x		145500.000	2651.000	0.000	36740.000	727500.000	757400.000	66.929%	5066.000
σ		1944.000	36.030	0.000	161.500	691.100	2045.000	0.352%	20.770
%RSD		1.336	1.359	0.000	0.440	0.095	0.270	0.526	0.410

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:07:16	336.800	514.600	5210.000	263700.000	264500.000	102.000	260.200	618.200
2	23:07:59	333.300	513.100	5192.000	262800.000	266400.000	100.900	256.700	615.700
3	23:08:42	342.200	516.400	5218.000	263700.000	265800.000	100.800	260.900	613.200
x		337.400	514.700	5206.000	263400.000	265600.000	101.200	259.300	615.700
σ		4.456	1.633	13.470	521.900	942.300	0.630	2.262	2.489
%RSD		1.321	0.317	0.259	0.198	0.355	0.622	0.873	0.404

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:07:16	627.000	2210.000	2244.000	90.550	7.152	12.180	0.000	4774.000
2	23:07:59	624.800	2228.000	2250.000	90.620	6.688	11.480	0.000	4788.000
3	23:08:42	623.400	2219.000	2270.000	89.330	6.636	10.400	0.000	4798.000
x		625.100	2219.000	2255.000	90.170	6.825	11.360	0.000	4786.000
σ		1.810	9.330	13.560	0.723	0.284	0.897	0.000	12.050
%RSD		0.289	0.420	0.601	0.801	4.163	7.904	0.000	0.252

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:07:16	0.000	12.970	12.900	60.473%	16.540	16.370	9.699	9.181
2	23:07:59	0.000	12.530	13.040	60.806%	16.470	16.580	9.967	9.156
3	23:08:42	0.000	13.060	12.900	60.535%	16.590	16.370	9.979	9.109
x		0.000	12.860	12.950	60.605%	16.530	16.440	9.882	9.149
σ		0.000	0.284	0.085	0.177%	0.060	0.123	0.158	0.037
%RSD		0.000	2.208	0.655	0.292	0.361	0.750	1.603	0.400

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:07:16	66.547%	72.680	2.330	2.265	817.600	816.900	82.790%	83.279%
2	23:07:59	66.726%	72.860	2.179	2.306	823.700	815.600	84.842%	84.607%
3	23:08:42	65.938%	74.100	2.174	2.365	830.100	820.000	84.102%	84.804%
x		66.404%	73.210	2.228	2.312	823.800	817.500	83.911%	84.230%
σ		0.413%	0.775	0.089	0.050	6.211	2.305	1.039%	0.830%
%RSD		0.622	1.058	3.990	2.175	0.754	0.282	1.238	0.985

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:07:16	1.990	2.245	790.700	783.200	795.100	60.810%
2	23:07:59	2.164	2.193	790.100	785.400	795.500	62.045%
3	23:08:42	2.299	2.318	793.200	785.400	797.100	61.877%
x		2.151	2.252	791.300	784.700	795.900	61.577%
σ		0.155	0.063	1.621	1.247	1.040	0.670%
%RSD		7.207	2.795	0.205	0.159	0.131	1.088

L9X11 11/22/2010 11:10:51 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:34	76.538%	8.231	224.400	212.500	0.000	79060.000	75620.000	71920.000
2	23:12:17	77.000%	8.811	220.800	212.400	0.000	77690.000	74290.000	70490.000
3	23:13:00	77.014%	7.880	212.900	206.400	0.000	77780.000	74410.000	70280.000
x		76.851%	8.307	219.300	210.400	0.000	78180.000	74770.000	70900.000
σ		0.271%	0.470	5.881	3.509	0.000	765.600	740.200	891.000
%RSD		0.352	5.660	2.681	1.668	0.000	0.979	0.990	1.257

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:34	133800.000	2502.000	0.000	28220.000	50390.000	50280.000	79.877%	3156.000
2	23:12:17	132800.000	2453.000	0.000	27500.000	50710.000	49760.000	80.785%	3112.000
3	23:13:00	131700.000	2427.000	0.000	27960.000	50870.000	50260.000	80.171%	3173.000
x		132700.000	2461.000	0.000	27890.000	50660.000	50100.000	80.278%	3147.000
σ		1038.000	38.380	0.000	362.700	244.000	293.800	0.463%	31.290
%RSD		0.782	1.560	0.000	1.300	0.482	0.586	0.577	0.994

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:34	340.500	805.500	3984.000	299900.000	296700.000	104.900	324.600	993.700
2	23:12:17	337.000	789.300	3922.000	296100.000	293800.000	104.300	320.600	980.100
3	23:13:00	339.300	793.700	3932.000	296300.000	295900.000	105.000	323.100	980.700
x		338.900	796.200	3946.000	297400.000	295500.000	104.700	322.800	984.800
σ		1.771	8.414	33.480	2141.000	1473.000	0.382	1.984	7.692
%RSD		0.523	1.057	0.848	0.720	0.499	0.365	0.615	0.781

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:34	1012.000	2008.000	2036.000	129.400	9.161	14.860	0.000	399.600
2	23:12:17	994.100	1999.000	2026.000	128.700	8.628	12.660	0.000	397.900
3	23:13:00	994.400	2009.000	2033.000	125.900	8.097	13.030	0.000	400.400
x		1000.000	2005.000	2032.000	128.000	8.629	13.520	0.000	399.300
σ		10.150	5.600	5.286	1.826	0.532	1.175	0.000	1.274
%RSD		1.015	0.279	0.260	1.426	6.166	8.690	0.000	0.319

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:34	0.000	21.080	21.760	69.848%	30.140	30.120	19.910	19.820
2	23:12:17	0.000	21.680	21.990	69.989%	30.510	29.490	19.980	19.440
3	23:13:00	0.000	21.660	21.730	70.433%	30.480	29.930	20.270	19.000
x		0.000	21.470	21.820	70.090%	30.380	29.850	20.050	19.420
σ		0.000	0.342	0.141	0.305%	0.206	0.325	0.191	0.410
%RSD		0.000	1.594	0.647	0.435	0.678	1.088	0.952	2.114

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:34	73.146%	121.100	3.060	3.105	676.600	671.300	90.061%	89.636%
2	23:12:17	74.149%	119.300	3.056	3.065	675.800	671.600	90.987%	90.753%
3	23:13:00	74.283%	120.800	3.062	3.088	675.900	674.900	91.384%	91.748%
x		73.860%	120.400	3.059	3.086	676.100	672.600	90.811%	90.712%
σ		0.621%	0.974	0.003	0.020	0.446	1.994	0.679%	1.057%
%RSD		0.841	0.809	0.098	0.646	0.066	0.296	0.748	1.165

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:11:34	2.470	2.524	1321.000	1307.000	1332.000	65.069%
2	23:12:17	2.461	2.551	1322.000	1306.000	1334.000	66.303%
3	23:13:00	2.462	2.541	1317.000	1314.000	1335.000	67.285%
x		2.465	2.539	1320.000	1309.000	1334.000	66.219%
σ		0.005	0.014	2.831	4.433	1.490	1.110%
%RSD		0.197	0.546	0.215	0.339	0.112	1.677

CCV1-6 11/22/2010 11:18:04 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:47	69.179%	99.330	90.520	89.400	0.000	48940.000	51370.000	49430.000
2	23:19:30	66.523%	101.600	90.800	90.850	0.000	49780.000	52440.000	50370.000
3	23:20:13	66.178%	99.980	90.700	89.650	0.000	49580.000	51860.000	49990.000
x		67.293%	100.294%	90.671%	89.966%	0.000	98.863%	103.779%	99.860%
σ		1.642%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.440	1.144	0.159	0.861	0.000	0.883	1.038	0.941

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:47	501.000	4855.000	0.000	50190.000	50710.000	49960.000	67.033%	99.300
2	23:19:30	506.500	4871.000	0.000	50060.000	50060.000	50130.000	64.983%	101.200
3	23:20:13	503.800	4821.000	0.000	50690.000	50690.000	50520.000	63.394%	102.700
x		100.756%	96.982%	0.000	100.626%	100.970%	100.404%	65.137%	101.058%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.824%	n/a
%RSD		0.551	0.526	0.000	0.659	0.726	0.574	2.800	1.673

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:47	98.760	99.640	503.300	24780.000	24790.000	99.210	98.900	102.400
2	23:19:30	97.340	99.470	505.800	25130.000	25230.000	101.200	100.700	103.700
3	23:20:13	98.540	99.540	508.600	25200.000	25370.000	100.700	100.100	102.700
x		98.214%	99.549%	101.179%	100.144%	100.513%	100.382%	99.896%	102.946%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.779	0.085	0.515	0.889	1.196	1.046	0.918	0.636

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:47	103.200	107.200	107.700	106.600	102.600	103.900	0.000	101.200
2	23:19:30	104.500	109.000	107.700	106.400	102.100	106.200	0.000	102.200
3	23:20:13	102.700	106.200	108.200	105.000	103.000	102.300	0.000	100.400
x		103.444%	107.481%	107.854%	106.013%	102.576%	104.109%	0.000	101.268%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.874	1.307	0.238	0.799	0.435	1.899	0.000	0.891

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:47	69.206%	86.500	86.770	64.771%	101.700	101.100	102.100	99.540
2	23:19:30	67.612%	93.360	95.780	63.688%	102.100	101.200	102.300	100.900
3	23:20:13	67.573%	97.990	99.370	63.065%	102.100	101.300	100.900	99.920
x		68.130%	92.616%	93.972%	63.841%	101.996%	101.198%	101.733%	100.118%
σ		0.932%	n/a	n/a	0.863%	n/a	n/a	n/a	n/a
%RSD		1.367	6.246	6.911	1.352	0.219	0.121	0.738	0.704

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:47	68.309%	95.540	99.440	99.680	99.400	100.700	74.354%	74.544%
2	23:19:30	67.201%	97.970	101.000	101.000	101.900	101.400	74.089%	74.380%
3	23:20:13	66.793%	98.030	100.600	101.400	100.600	101.100	73.717%	74.601%
x		67.434%	97.179%	100.353%	100.695%	100.623%	101.077%	74.053%	74.508%
σ		0.784%	n/a	n/a	n/a	n/a	n/a	0.320%	0.115%
%RSD		1.163	1.463	0.806	0.895	1.244	0.372	0.433	0.154

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:47	106.100	106.700	108.200	107.400	108.300	71.543%
2	23:19:30	106.800	107.500	107.600	108.700	109.100	71.035%
3	23:20:13	107.200	107.600	108.500	110.200	109.800	70.749%
x		106.700%	107.255%	108.122%	108.774%	109.067%	71.109%
σ		n/a	n/a	n/a	n/a	n/a	0.402%
%RSD		0.492	0.438	0.423	1.299	0.648	0.566

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:26:02	94.563%	-0.006	4.553	2.994	0.000	28.590	4.039	2.867
2	23:26:46	93.433%	-0.006	2.289	3.257	0.000	28.330	4.493	3.671
3	23:27:29	95.274%	0.009	2.655	3.199	0.000	28.420	4.435	3.696
x		94.423%	-0.001	3.166	3.150	0.000	28.450	4.322	3.412
σ		0.928%	0.009	1.215	0.138	0.000	0.132	0.247	0.471
%RSD		0.983	660.100	38.390	4.386	0.000	0.464	5.720	13.820

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:26:02	-0.026	-0.497	0.000	-4.327	8.069	28.780	94.898%	0.001
2	23:26:46	0.052	-0.115	0.000	-3.905	10.200	25.790	94.780%	0.001
3	23:27:29	-0.030	-0.025	0.000	-4.336	-0.352	23.570	94.893%	0.098
x		-0.001	-0.212	0.000	-4.189	5.974	26.040	94.857%	0.033
σ		0.046	0.251	0.000	0.247	5.581	2.615	0.067%	0.056
%RSD		3674.000	118.300	0.000	5.887	93.430	10.040	0.070	166.800

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:26:02	-0.145	0.379	0.038	8.686	5.667	-0.004	0.040	0.090
2	23:26:46	0.312	0.347	0.046	7.639	4.854	-0.003	-0.010	0.085
3	23:27:29	-0.566	0.320	0.021	5.799	3.725	-0.004	-0.010	0.090
x		-0.133	0.349	0.035	7.375	4.749	-0.004	0.007	0.088
σ		0.439	0.030	0.013	1.461	0.975	0.001	0.029	0.003
%RSD		330.700	8.481	36.350	19.810	20.540	17.410	413.600	3.605

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:26:02	-0.061	0.022	0.134	0.487	-1.746	0.935	0.000	0.006
2	23:26:46	-0.103	-0.024	0.177	0.128	-1.520	1.216	0.000	0.010
3	23:27:29	-0.095	0.027	-0.035	0.149	-2.141	1.328	0.000	0.015
x		-0.086	0.008	0.092	0.255	-1.802	1.160	0.000	0.010
σ		0.022	0.028	0.112	0.202	0.314	0.203	0.000	0.004
%RSD		25.800	337.700	121.500	79.270	17.440	17.460	0.000	43.060

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:26:02	91.377%	1.322	1.164	90.067%	-0.001	0.007	-0.133	-0.077
2	23:26:46	91.280%	1.269	1.156	90.271%	-0.007	0.003	-0.141	-0.073
3	23:27:29	91.678%	0.970	1.151	90.906%	-0.004	0.012	-0.112	-0.059
x		91.445%	1.187	1.157	90.415%	-0.004	0.007	-0.128	-0.070
σ		0.208%	0.190	0.007	0.438%	0.003	0.005	0.015	0.009
%RSD		0.227	15.970	0.580	0.484	73.630	61.930	11.750	13.170

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:26:02	92.301%	-0.625	0.130	0.132	-0.010	-0.031	90.356%	90.379%
2	23:26:46	92.864%	-0.647	0.167	0.157	-0.033	-0.053	91.258%	91.455%
3	23:27:29	92.903%	-0.637	0.172	0.148	-0.018	-0.019	91.688%	91.250%
x		92.689%	-0.636	0.156	0.146	-0.020	-0.034	91.100%	91.028%
σ		0.337%	0.011	0.023	0.013	0.012	0.017	0.680%	0.571%
%RSD		0.364	1.726	14.520	8.693	57.200	50.630	0.746	0.627

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:26:02	0.013	0.004	0.212	0.163	0.200	86.962%
2	23:26:46	0.012	0.004	0.163	0.170	0.173	87.545%
3	23:27:29	0.005	0.005	0.169	0.200	0.178	87.759%
x		0.010	0.004	0.181	0.177	0.184	87.422%
σ		0.005	0.001	0.027	0.020	0.014	0.412%
%RSD		48.050	20.620	14.740	11.170	7.609	0.472

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:23	69.157%	7.052	262.600	249.000	0.000	60590.000	79820.000	76110.000
2	23:31:06	66.757%	7.466	267.200	251.500	0.000	61680.000	80510.000	76590.000
3	23:31:49	66.074%	7.645	261.800	247.600	0.000	62090.000	80560.000	76570.000
x		67.330%	7.387	263.800	249.400	0.000	61450.000	80300.000	76430.000
σ		1.619%	0.304	2.906	1.972	0.000	777.300	414.700	270.400
%RSD		2.405	4.118	1.101	0.791	0.000	1.265	0.516	0.354

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:23	143700.000	3096.000	0.000	32930.000	673500.000	697500.000	68.122%	4371.000
2	23:31:06	144700.000	3067.000	0.000	33280.000	681800.000	706600.000	67.495%	4366.000
3	23:31:49	142700.000	3052.000	0.000	33780.000	686400.000	711700.000	66.555%	4420.000
x		143700.000	3072.000	0.000	33330.000	680600.000	705300.000	67.391%	4386.000
σ		1004.000	22.530	0.000	424.000	6521.000	7158.000	0.788%	29.720
%RSD		0.699	0.734	0.000	1.272	0.958	1.015	1.170	0.678

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:23	290.100	607.900	3284.000	213700.000	212100.000	76.860	212.300	559.600
2	23:31:06	293.500	611.400	3317.000	216200.000	212900.000	76.150	214.100	565.100
3	23:31:49	301.900	619.200	3356.000	219100.000	215800.000	78.510	217.900	567.700
x		295.100	612.800	3319.000	216300.000	213600.000	77.170	214.800	564.200
σ		6.120	5.783	36.020	2729.000	1983.000	1.209	2.843	4.159
%RSD		2.073	0.944	1.085	1.262	0.928	1.567	1.324	0.737

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:23	548.300	1633.000	1584.000	58.260	0.189	-0.604	0.000	1795.000
2	23:31:06	553.800	1659.000	1609.000	58.500	0.354	-0.954	0.000	1807.000
3	23:31:49	558.000	1682.000	1625.000	59.800	0.672	-0.397	0.000	1813.000
x		553.400	1658.000	1606.000	58.850	0.405	-0.652	0.000	1805.000
σ		4.901	24.280	20.340	0.829	0.245	0.281	0.000	8.917
%RSD		0.886	1.465	1.267	1.409	60.550	43.160	0.000	0.494

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:23	158.159%	12.850	15.460	58.984%	23.440	22.750	15.840	14.930
2	23:31:06	159.712%	12.340	15.420	59.923%	23.440	22.860	15.900	15.250
3	23:31:49	160.323%	12.330	14.750	60.348%	23.600	23.040	16.480	15.420
x		159.398%	12.510	15.210	59.752%	23.490	22.880	16.070	15.200
σ		1.116%	0.296	0.399	0.698%	0.089	0.146	0.354	0.250
%RSD		0.700	2.367	2.624	1.167	0.378	0.637	2.203	1.646

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:23	63.452%	98.700	3.504	3.571	783.800	785.500	76.844%	78.226%
2	23:31:06	65.025%	98.180	3.258	3.378	790.000	777.700	79.731%	80.549%
3	23:31:49	65.610%	98.160	3.131	3.172	787.400	779.300	81.305%	81.833%
x		64.696%	98.350	3.298	3.374	787.100	780.800	79.293%	80.203%
σ		1.116%	0.309	0.190	0.200	3.081	4.107	2.263%	1.828%
%RSD		1.725	0.314	5.748	5.917	0.392	0.526	2.853	2.279

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:23	1.944	2.004	1066.000	1052.000	1069.000	58.152%
2	23:31:06	1.906	2.027	1067.000	1057.000	1071.000	60.264%
3	23:31:49	1.984	1.978	1072.000	1056.000	1074.000	61.049%
x		1.945	2.003	1068.000	1055.000	1071.000	59.822%
σ		0.039	0.024	3.239	2.564	2.683	1.498%
%RSD		2.001	1.210	0.303	0.243	0.250	2.504

L9QC2B 11/22/2010 11:36:53 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:36	94.629%	-0.006	4.047	3.105	0.000	26.830	2.177	2.044
2	23:38:19	96.712%	0.001	3.430	2.723	0.000	24.200	3.059	2.853
3	23:39:02	96.247%	0.001	3.303	3.086	0.000	24.250	2.612	2.540
x		95.863%	-0.002	3.593	2.971	0.000	25.090	2.616	2.479
σ		1.093%	0.004	0.398	0.215	0.000	1.505	0.441	0.408
%RSD		1.140	261.500	11.070	7.237	0.000	5.998	16.870	16.450

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:36	3.162	3.366	0.000	-3.948	9.976	23.780	96.083%	0.515
2	23:38:19	2.456	3.337	0.000	-6.453	7.846	26.060	96.318%	0.150
3	23:39:02	2.933	3.082	0.000	-5.180	1.728	23.980	95.125%	0.213
x		2.850	3.262	0.000	-5.194	6.517	24.610	95.842%	0.293
σ		0.360	0.156	0.000	1.252	4.281	1.259	0.632%	0.195
%RSD		12.640	4.792	0.000	24.110	65.700	5.118	0.659	66.660

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:36	-0.095	0.296	-0.025	26.040	19.380	-0.003	0.005	0.169
2	23:38:19	-0.027	0.317	-0.026	15.360	13.930	-0.001	0.005	0.086
3	23:39:02	-0.049	0.281	-0.035	10.260	6.732	-0.005	0.025	0.134
x		-0.057	0.298	-0.029	17.220	13.350	-0.003	0.011	0.130
σ		0.035	0.018	0.005	8.055	6.343	0.002	0.012	0.041
%RSD		61.070	6.094	19.080	46.770	47.520	71.290	101.800	31.810

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:36	-0.024	0.453	0.601	0.419	-0.937	1.641	0.000	0.024
2	23:38:19	-0.000	0.434	0.486	0.029	-1.379	0.503	0.000	0.022
3	23:39:02	-0.042	0.317	0.502	0.432	-1.353	2.226	0.000	0.036
x		-0.022	0.402	0.530	0.293	-1.223	1.456	0.000	0.028
σ		0.021	0.074	0.062	0.229	0.248	0.876	0.000	0.008
%RSD		93.880	18.320	11.770	78.090	20.290	60.160	0.000	27.800

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:36	91.366%	0.282	0.256	90.060%	-0.001	-0.002	-0.173	-0.116
2	23:38:19	91.955%	0.202	0.251	90.967%	-0.004	0.002	-0.185	-0.136
3	23:39:02	93.071%	0.170	0.164	91.705%	-0.009	0.001	-0.181	-0.113
x		92.131%	0.218	0.224	90.911%	-0.005	0.000	-0.180	-0.122
σ		0.866%	0.058	0.052	0.824%	0.004	0.002	0.006	0.013
%RSD		0.940	26.500	23.220	0.906	88.450	1607.000	3.162	10.480

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:36	90.773%	-0.746	-0.076	-0.054	-0.009	0.013	88.665%	89.102%
2	23:38:19	91.823%	-0.776	-0.062	-0.046	-0.033	-0.009	90.533%	90.527%
3	23:39:02	92.829%	-0.774	-0.052	-0.045	-0.025	0.003	91.668%	91.507%
x		91.808%	-0.765	-0.063	-0.048	-0.022	0.002	90.289%	90.378%
σ		1.028%	0.017	0.012	0.005	0.012	0.011	1.516%	1.209%
%RSD		1.120	2.197	18.810	9.988	53.530	518.900	1.679	1.338

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:37:36	0.011	0.009	0.079	0.113	0.097	85.237%
2	23:38:19	0.005	0.010	0.078	0.098	0.098	85.874%
3	23:39:02	0.004	0.002	0.093	0.068	0.088	87.252%
x		0.007	0.007	0.083	0.093	0.094	86.121%
σ		0.004	0.004	0.009	0.023	0.006	1.030%
%RSD		60.350	66.070	10.280	24.620	6.320	1.195

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:55	74.843%	32.050	545.200	532.400	0.000	31480.000	33760.000	32230.000
2	23:42:38	73.541%	31.880	551.600	527.600	0.000	31720.000	33980.000	32020.000
3	23:43:21	72.460%	31.700	560.300	541.000	0.000	32280.000	34620.000	32760.000
x		73.615%	31.880	552.400	533.700	0.000	31830.000	34120.000	32340.000
σ		1.193%	0.175	7.536	6.776	0.000	407.400	443.300	381.700
%RSD		1.621	0.548	1.364	1.270	0.000	1.280	1.299	1.180

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:55	1312.000	918.100	0.000	32730.000	33410.000	33010.000	68.144%	646.500
2	23:42:38	1296.000	895.500	0.000	33140.000	33670.000	33020.000	67.298%	651.400
3	23:43:21	1321.000	924.200	0.000	33610.000	33630.000	33410.000	65.825%	661.500
x		1309.000	912.600	0.000	33160.000	33570.000	33150.000	67.089%	653.100
σ		12.810	15.120	0.000	440.900	135.400	225.700	1.174%	7.633
%RSD		0.979	1.657	0.000	1.330	0.403	0.681	1.750	1.169

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:55	328.800	132.200	331.200	722.600	842.300	329.800	333.600	172.900
2	23:42:38	330.000	131.900	328.000	715.200	835.800	329.400	334.200	170.600
3	23:43:21	332.000	134.300	336.400	721.400	848.800	338.500	337.700	174.200
x		330.200	132.800	331.900	719.700	842.300	332.500	335.200	172.600
σ		1.611	1.277	4.239	3.992	6.501	5.150	2.222	1.823
%RSD		0.488	0.961	1.277	0.555	0.772	1.549	0.663	1.056

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:55	175.000	362.200	359.000	27.120	7.472	9.970	0.000	652.000
2	23:42:38	174.100	362.700	361.500	27.950	7.466	9.959	0.000	652.800
3	23:43:21	175.800	366.500	362.400	27.470	7.840	10.040	0.000	649.500
x		175.000	363.800	361.000	27.510	7.593	9.989	0.000	651.400
σ		0.834	2.348	1.778	0.415	0.214	0.043	0.000	1.760
%RSD		0.477	0.645	0.493	1.508	2.816	0.426	0.000	0.270

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:55	71.760%	642.000	646.600	68.620%	33.400	33.420	34.330	29.190
2	23:42:38	71.572%	664.500	666.200	68.865%	33.870	33.400	34.140	28.710
3	23:43:21	72.007%	669.800	681.900	68.829%	33.670	33.550	33.340	29.880
x		71.780%	658.800	664.900	68.771%	33.650	33.460	33.940	29.260
σ		0.218%	14.760	17.670	0.132%	0.239	0.082	0.526	0.588
%RSD		0.304	2.240	2.657	0.192	0.711	0.246	1.550	2.009

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:55	71.308%	1284.000	332.600	333.200	1351.000	1344.000	74.821%	75.237%
2	23:42:38	72.119%	1287.000	332.600	333.800	1344.000	1352.000	75.902%	77.125%
3	23:43:21	72.450%	1295.000	335.600	336.500	1349.000	1351.000	76.537%	77.413%
x		71.959%	1289.000	333.600	334.500	1348.000	1349.000	75.753%	76.591%
σ		0.587%	5.821	1.733	1.753	3.274	4.527	0.868%	1.182%
%RSD		0.816	0.452	0.519	0.524	0.243	0.336	1.146	1.543

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:55	38.120	38.250	15.620	16.810	16.290	68.570%
2	23:42:38	39.560	39.890	15.760	17.150	16.750	67.853%
3	23:43:21	40.260	40.050	15.910	17.160	16.850	67.993%
x		39.310	39.400	15.760	17.040	16.630	68.138%
σ		1.092	0.996	0.146	0.199	0.300	0.380%
%RSD		2.778	2.529	0.926	1.166	1.801	0.558

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:14	78.694%	19.670	53.730	53.110	0.000	1651.000	23800.000	22920.000
2	23:46:57	79.386%	20.700	51.310	51.450	0.000	1634.000	23500.000	23040.000
3	23:47:40	81.119%	21.110	51.840	49.290	0.000	1632.000	23230.000	22630.000
x		79.733%	20.490	52.290	51.280	0.000	1639.000	23510.000	22860.000
σ		1.249%	0.744	1.269	1.917	0.000	10.170	283.600	214.200
%RSD		1.567	3.629	2.427	3.738	0.000	0.620	1.206	0.937

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:14	149600.000	1634.000	0.000	12630.000	30120.000	29350.000	85.090%	680.800
2	23:46:57	149200.000	1614.000	0.000	12740.000	29820.000	29680.000	84.178%	687.800
3	23:47:40	147400.000	1583.000	0.000	12640.000	30480.000	29890.000	83.957%	692.800
x		148700.000	1610.000	0.000	12670.000	30140.000	29640.000	84.408%	687.100
σ		1193.000	25.940	0.000	58.630	329.900	272.700	0.601%	6.007
%RSD		0.802	1.611	0.000	0.463	1.095	0.920	0.712	0.874

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:14	253.700	385.400	8451.000	635000.000	627900.000	207.900	473.100	743.200
2	23:46:57	256.900	392.800	8630.000	643000.000	634000.000	211.800	476.200	748.800
3	23:47:40	256.900	390.900	8558.000	644600.000	637500.000	211.300	479.700	752.200
x		255.800	389.700	8547.000	640900.000	633200.000	210.300	476.300	748.100
σ		1.872	3.802	90.120	5150.000	4874.000	2.105	3.317	4.546
%RSD		0.732	0.976	1.054	0.804	0.770	1.001	0.696	0.608

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:14	753.300	3385.000	3426.000	222.500	11.670	17.400	0.000	315.800
2	23:46:57	760.800	3434.000	3478.000	224.200	11.380	18.630	0.000	316.300
3	23:47:40	765.900	3449.000	3474.000	222.400	11.610	17.990	0.000	318.400
x		760.000	3423.000	3459.000	223.000	11.550	18.000	0.000	316.800
σ		6.344	33.300	28.800	0.983	0.156	0.612	0.000	1.365
%RSD		0.835	0.973	0.833	0.441	1.346	3.402	0.000	0.431

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:14	0.000	54.420	54.430	69.031%	4.775	4.371	15.740	14.150
2	23:46:57	0.000	44.710	44.510	69.484%	4.543	4.672	15.710	13.800
3	23:47:40	0.000	39.740	40.590	69.643%	4.611	4.480	14.420	14.060
x		0.000	46.290	46.510	69.386%	4.643	4.507	15.290	14.000
σ		0.000	7.467	7.134	0.317%	0.119	0.152	0.755	0.183
%RSD		0.000	16.130	15.340	0.457	2.569	3.380	4.936	1.310

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:14	71.873%	224.500	14.100	14.330	1452.000	1432.000	92.181%	90.862%
2	23:46:57	72.912%	219.800	13.640	13.760	1454.000	1434.000	93.287%	92.292%
3	23:47:40	73.073%	216.500	13.800	13.880	1451.000	1441.000	93.941%	93.287%
x		72.619%	220.300	13.850	13.990	1452.000	1435.000	93.136%	92.147%
σ		0.651%	4.001	0.231	0.301	1.630	4.919	0.890%	1.219%
%RSD		0.897	1.816	1.671	2.150	0.112	0.343	0.955	1.323

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:14	3.988	4.041	1308.000	1280.000	1316.000	63.495%
2	23:46:57	3.877	4.038	1320.000	1280.000	1320.000	64.163%
3	23:47:40	3.879	3.977	1325.000	1287.000	1328.000	64.075%
x		3.914	4.019	1318.000	1283.000	1321.000	63.911%
σ		0.063	0.036	8.997	3.803	6.288	0.363%
%RSD		1.619	0.896	0.683	0.297	0.476	0.568

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:34	79.137%	16.470	47.860	44.670	0.000	1951.000	19760.000	19120.000
2	23:51:17	77.998%	17.440	47.700	43.850	0.000	1967.000	19640.000	19180.000
3	23:52:00	77.816%	17.070	46.110	44.930	0.000	1973.000	19990.000	19220.000
x		78.317%	16.990	47.220	44.480	0.000	1963.000	19800.000	19170.000
σ		0.716%	0.488	0.965	0.565	0.000	11.590	181.800	48.020
%RSD		0.914	2.870	2.043	1.271	0.000	0.590	0.918	0.251

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:34	128400.000	1534.000	0.000	11700.000	19530.000	19330.000	83.568%	678.200
2	23:51:17	126500.000	1512.000	0.000	11650.000	19630.000	19310.000	82.995%	682.400
3	23:52:00	127700.000	1535.000	0.000	11870.000	19880.000	19660.000	81.748%	683.200
x		127500.000	1527.000	0.000	11740.000	19680.000	19430.000	82.771%	681.300
σ		981.400	12.900	0.000	111.800	179.400	199.800	0.930%	2.656
%RSD		0.769	0.845	0.000	0.952	0.912	1.028	1.124	0.390

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:34	236.600	223.400	8139.000	530500.000	522500.000	156.800	336.200	667.900
2	23:51:17	238.500	223.400	8221.000	531600.000	522200.000	156.400	337.200	664.300
3	23:52:00	241.000	225.900	8290.000	536800.000	527300.000	156.300	336.700	673.500
x		238.700	224.300	8217.000	533000.000	524000.000	156.500	336.700	668.600
σ		2.195	1.468	75.480	3341.000	2886.000	0.284	0.510	4.599
%RSD		0.919	0.654	0.919	0.627	0.551	0.181	0.151	0.688

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:34	673.600	2418.000	2444.000	185.400	11.500	17.080	0.000	251.300
2	23:51:17	672.500	2432.000	2451.000	185.000	10.960	16.120	0.000	251.200
3	23:52:00	682.500	2447.000	2476.000	186.700	10.770	17.790	0.000	252.100
x		676.200	2432.000	2457.000	185.700	11.070	17.000	0.000	251.600
σ		5.461	14.600	16.570	0.888	0.379	0.839	0.000	0.478
%RSD		0.808	0.600	0.674	0.478	3.425	4.934	0.000	0.190

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:34	0.000	20.950	21.360	70.236%	2.437	2.203	11.320	10.510
2	23:51:17	0.000	19.080	19.970	70.364%	2.315	2.152	12.210	10.570
3	23:52:00	0.000	19.440	19.760	70.989%	2.380	2.162	11.830	10.200
x		0.000	19.820	20.370	70.530%	2.377	2.172	11.790	10.420
σ		0.000	0.989	0.868	0.403%	0.061	0.027	0.449	0.196
%RSD		0.000	4.990	4.261	0.571	2.564	1.233	3.810	1.880

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:34	73.721%	175.700	12.860	12.910	1302.000	1279.000	91.659%	90.613%
2	23:51:17	74.740%	175.000	12.910	13.380	1285.000	1277.000	93.079%	92.399%
3	23:52:00	74.227%	175.500	13.040	13.100	1287.000	1286.000	93.534%	92.487%
x		74.229%	175.400	12.930	13.130	1291.000	1281.000	92.757%	91.833%
σ		0.510%	0.390	0.091	0.237	9.344	4.427	0.978%	1.057%
%RSD		0.687	0.222	0.707	1.808	0.724	0.346	1.055	1.151

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:50:34	3.123	3.139	1015.000	992.200	1010.000	64.476%
2	23:51:17	3.162	3.189	1020.000	988.600	1010.000	65.920%
3	23:52:00	3.071	3.163	1023.000	995.700	1015.000	66.251%
x		3.119	3.164	1019.000	992.200	1012.000	65.549%
σ		0.046	0.025	4.003	3.526	2.820	0.944%
%RSD		1.459	0.786	0.393	0.355	0.279	1.440

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:54	80.164%	18.290	47.070	46.620	0.000	2027.000	22630.000	22060.000
2	23:55:37	80.232%	18.080	46.380	45.890	0.000	2027.000	22920.000	22270.000
3	23:56:20	80.124%	17.880	47.840	47.270	0.000	2011.000	23050.000	22240.000
x		80.173%	18.090	47.100	46.600	0.000	2022.000	22870.000	22190.000
σ		0.055%	0.204	0.729	0.692	0.000	9.385	217.700	112.500
%RSD		0.068	1.130	1.547	1.484	0.000	0.464	0.952	0.507

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:54	136600.000	1497.000	0.000	12880.000	29860.000	28370.000	82.817%	705.400
2	23:55:37	138400.000	1502.000	0.000	12860.000	29280.000	28390.000	83.189%	702.100
3	23:56:20	137900.000	1495.000	0.000	12810.000	28600.000	28620.000	83.916%	687.000
x		137600.000	1498.000	0.000	12850.000	29250.000	28460.000	83.307%	698.200
σ		899.100	3.771	0.000	36.290	631.600	137.500	0.559%	9.773
%RSD		0.653	0.252	0.000	0.282	2.160	0.483	0.671	1.400

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:54	251.300	318.100	12350.000	582200.000	571500.000	192.200	405.500	726.400
2	23:55:37	250.600	316.200	12350.000	583400.000	571500.000	190.900	405.500	733.100
3	23:56:20	247.300	313.100	12260.000	577800.000	569100.000	192.500	406.700	730.600
x		249.700	315.800	12320.000	581100.000	570700.000	191.900	405.900	730.100
σ		2.117	2.527	49.530	2966.000	1391.000	0.857	0.736	3.406
%RSD		0.848	0.800	0.402	0.510	0.244	0.447	0.181	0.467

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:54	739.200	2985.000	3015.000	215.900	13.040	19.650	0.000	312.000
2	23:55:37	741.800	2998.000	3037.000	215.900	13.090	17.760	0.000	313.100
3	23:56:20	743.800	2994.000	3038.000	215.600	12.550	17.860	0.000	311.900
x		741.600	2992.000	3030.000	215.800	12.890	18.420	0.000	312.300
σ		2.310	7.009	13.030	0.172	0.299	1.064	0.000	0.677
%RSD		0.311	0.234	0.430	0.080	2.322	5.775	0.000	0.217

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:54	0.000	26.960	26.690	68.668%	3.314	3.174	15.880	15.010
2	23:55:37	0.000	26.210	26.480	69.612%	3.331	3.135	16.150	15.070
3	23:56:20	0.000	26.500	26.560	69.676%	3.266	3.243	16.150	15.110
x		0.000	26.560	26.580	69.319%	3.304	3.184	16.060	15.060
σ		0.000	0.383	0.105	0.565%	0.034	0.055	0.156	0.046
%RSD		0.000	1.441	0.396	0.814	1.026	1.718	0.970	0.306

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:54	72.133%	163.900	13.690	12.980	1409.000	1392.000	90.216%	89.669%
2	23:55:37	73.107%	164.600	13.430	13.260	1421.000	1404.000	92.350%	91.425%
3	23:56:20	73.026%	165.100	13.560	13.300	1421.000	1411.000	93.020%	91.511%
x		72.756%	164.500	13.560	13.180	1417.000	1402.000	91.862%	90.868%
σ		0.541%	0.612	0.129	0.173	6.626	9.398	1.464%	1.040%
%RSD		0.743	0.372	0.953	1.311	0.468	0.670	1.594	1.144

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:54	3.886	3.607	1202.000	1179.000	1212.000	62.738%
2	23:55:37	3.774	3.803	1230.000	1206.000	1238.000	62.355%
3	23:56:20	3.661	3.737	1200.000	1177.000	1208.000	64.064%
x		3.774	3.716	1211.000	1187.000	1219.000	63.053%
σ		0.113	0.100	16.910	16.020	16.210	0.897%
%RSD		2.981	2.688	1.396	1.350	1.329	1.422

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:14	77.259%	18.340	40.350	40.190	0.000	1782.000	25770.000	25090.000
2	23:59:56	78.232%	17.830	44.430	38.200	0.000	1787.000	26080.000	24950.000
3	00:00:40	76.691%	18.840	40.960	40.010	0.000	1802.000	26430.000	25140.000
x		77.394%	18.340	41.910	39.470	0.000	1791.000	26090.000	25060.000
σ		0.780%	0.506	2.202	1.101	0.000	10.490	329.600	95.040
%RSD		1.007	2.761	5.254	2.789	0.000	0.586	1.263	0.379

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:14	147500.000	1492.000	0.000	13070.000	24390.000	23550.000	81.919%	656.700
2	23:59:56	147200.000	1471.000	0.000	13010.000	23590.000	23740.000	82.248%	662.400
3	00:00:40	147400.000	1472.000	0.000	13140.000	24070.000	23860.000	81.754%	654.100
x		147400.000	1478.000	0.000	13070.000	24020.000	23720.000	81.974%	657.700
σ		185.900	11.780	0.000	67.430	401.400	157.300	0.252%	4.242
%RSD		0.126	0.797	0.000	0.516	1.671	0.663	0.307	0.645

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:14	280.400	226.100	9016.000	497000.000	488800.000	221.600	410.800	658.400
2	23:59:56	278.900	226.800	9036.000	498400.000	493000.000	222.900	408.400	657.600
3	00:00:40	280.600	223.700	9065.000	500200.000	494300.000	222.900	412.000	658.900
x		280.000	225.500	9039.000	498500.000	492100.000	222.500	410.400	658.300
σ		0.906	1.637	24.530	1622.000	2879.000	0.773	1.866	0.672
%RSD		0.324	0.726	0.271	0.325	0.585	0.347	0.455	0.102

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:14	660.700	2607.000	2629.000	225.300	11.500	13.610	0.000	301.000
2	23:59:56	668.100	2622.000	2653.000	227.000	10.390	17.030	0.000	301.800
3	00:00:40	665.900	2636.000	2674.000	228.400	10.900	18.150	0.000	302.000
x		664.900	2621.000	2652.000	226.900	10.930	16.260	0.000	301.600
σ		3.797	14.600	22.490	1.555	0.553	2.366	0.000	0.550
%RSD		0.571	0.557	0.848	0.686	5.061	14.550	0.000	0.182

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:14	0.000	16.770	16.890	68.179%	2.196	1.953	9.730	9.052
2	23:59:56	0.000	17.200	16.900	69.199%	2.060	2.018	9.491	9.103
3	00:00:40	0.000	17.070	17.190	69.431%	2.021	2.023	10.020	9.140
x		0.000	17.010	16.990	68.937%	2.092	1.998	9.747	9.098
σ		0.000	0.219	0.171	0.666%	0.092	0.039	0.265	0.044
%RSD		0.000	1.284	1.008	0.966	4.406	1.967	2.715	0.487

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:14	71.583%	114.400	9.013	8.984	1705.000	1680.000	91.445%	89.269%
2	23:59:56	73.232%	114.300	9.164	9.057	1716.000	1698.000	92.269%	92.047%
3	00:00:40	73.486%	114.800	8.908	8.944	1712.000	1694.000	93.953%	91.958%
x		72.767%	114.500	9.028	8.995	1711.000	1690.000	92.556%	91.092%
σ		1.033%	0.286	0.129	0.058	5.512	9.650	1.278%	1.579%
%RSD		1.420	0.250	1.424	0.640	0.322	0.571	1.381	1.734

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	23:59:14	3.523	3.632	888.100	868.100	885.500	62.241%
2	23:59:56	3.402	3.523	884.000	864.500	882.000	64.144%
3	00:00:40	3.480	3.599	879.000	861.200	878.500	64.862%
x		3.468	3.585	883.700	864.600	882.000	63.749%
σ		0.062	0.056	4.590	3.456	3.519	1.354%
%RSD		1.775	1.565	0.519	0.400	0.399	2.125

L9FKT 11/23/2010 12:02:51 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:34	77.749%	18.480	47.180	45.160	0.000	1769.000	29490.000	28190.000
2	00:04:17	76.178%	18.030	46.100	45.270	0.000	1767.000	29370.000	28330.000
3	00:05:00	76.260%	17.600	45.320	44.820	0.000	1762.000	29430.000	28190.000
x		76.729%	18.040	46.200	45.080	0.000	1766.000	29430.000	28240.000
σ		0.884%	0.440	0.938	0.234	0.000	3.876	59.010	81.670
%RSD		1.152	2.440	2.029	0.519	0.000	0.220	0.201	0.289

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:34	156100.000	1794.000	0.000	16020.000	25210.000	24760.000	80.692%	778.700
2	00:04:17	156900.000	1802.000	0.000	15840.000	25780.000	24850.000	81.226%	783.700
3	00:05:00	155500.000	1770.000	0.000	15820.000	24910.000	24580.000	81.001%	767.900
x		156100.000	1789.000	0.000	15890.000	25300.000	24730.000	80.973%	776.800
σ		716.800	16.500	0.000	106.000	446.300	138.900	0.268%	8.104
%RSD		0.459	0.922	0.000	0.667	1.764	0.562	0.331	1.043

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:34	301.100	224.600	10730.000	508800.000	501700.000	233.500	434.400	633.800
2	00:04:17	302.300	224.600	10770.000	510200.000	500600.000	234.700	442.800	637.200
3	00:05:00	297.200	222.700	10660.000	503400.000	499000.000	235.000	429.000	631.200
x		300.200	223.900	10720.000	507500.000	500400.000	234.400	435.400	634.100
σ		2.669	1.114	52.740	3592.000	1376.000	0.816	6.957	3.042
%RSD		0.889	0.498	0.492	0.708	0.275	0.348	1.598	0.480

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:34	646.300	2521.000	2556.000	214.800	10.610	17.330	0.000	335.900
2	00:04:17	643.200	2516.000	2542.000	216.200	10.750	15.390	0.000	331.600
3	00:05:00	640.500	2526.000	2559.000	216.600	11.150	15.960	0.000	333.100
x		643.300	2521.000	2552.000	215.900	10.840	16.230	0.000	333.600
σ		2.880	5.072	9.210	0.929	0.280	0.998	0.000	2.186
%RSD		0.448	0.201	0.361	0.430	2.588	6.146	0.000	0.655

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:34	0.000	14.920	15.110	66.180%	1.840	1.685	8.115	6.523
2	00:04:17	0.000	15.540	15.160	66.647%	1.803	1.598	7.822	6.588
3	00:05:00	0.000	15.320	15.000	66.689%	1.733	1.637	7.716	6.429
x		0.000	15.260	15.090	66.505%	1.792	1.640	7.884	6.513
σ		0.000	0.309	0.084	0.283%	0.054	0.043	0.207	0.080
%RSD		0.000	2.028	0.558	0.425	3.031	2.649	2.620	1.233

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:34	68.721%	177.300	8.853	8.665	1842.000	1819.000	88.275%	86.952%
2	00:04:17	70.334%	175.600	8.801	8.894	1817.000	1815.000	90.292%	88.476%
3	00:05:00	70.670%	175.500	8.857	8.665	1818.000	1792.000	90.505%	88.840%
x		69.908%	176.100	8.837	8.741	1826.000	1809.000	89.691%	88.089%
σ		1.042%	0.998	0.031	0.132	13.880	14.700	1.230%	1.002%
%RSD		1.490	0.567	0.351	1.512	0.760	0.813	1.372	1.137

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:03:34	3.338	3.575	810.400	790.000	808.300	60.063%
2	00:04:17	3.512	3.493	803.100	786.300	800.700	61.533%
3	00:05:00	3.631	3.518	809.600	788.700	806.600	61.132%
x		3.493	3.529	807.700	788.400	805.200	60.909%
σ		0.147	0.042	4.004	1.890	4.006	0.760%
%RSD		4.217	1.182	0.496	0.240	0.498	1.248

L9FKX 11/23/2010 12:07:12 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	77.917%	17.800	57.320	53.510	0.000	1167.000	29610.000	28530.000
2	00:08:38	76.359%	18.110	51.640	52.630	0.000	1178.000	29910.000	28710.000
3	00:09:21	75.342%	17.790	55.340	51.900	0.000	1189.000	30060.000	28880.000
x		76.539%	17.900	54.770	52.680	0.000	1178.000	29860.000	28700.000
σ		1.297%	0.185	2.886	0.803	0.000	10.900	229.800	177.300
%RSD		1.695	1.034	5.270	1.525	0.000	0.925	0.770	0.618

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	136100.000	2254.000	0.000	14810.000	41570.000	41340.000	77.616%	749.800
2	00:08:38	136100.000	2210.000	0.000	14980.000	41710.000	41590.000	76.600%	753.800
3	00:09:21	135800.000	2218.000	0.000	14810.000	41950.000	41270.000	76.603%	749.700
x		136000.000	2228.000	0.000	14870.000	41740.000	41400.000	76.940%	751.100
σ		185.700	23.660	0.000	98.140	191.100	168.100	0.586%	2.344
%RSD		0.137	1.062	0.000	0.660	0.458	0.406	0.761	0.312

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	245.000	340.300	18350.000	432600.000	428200.000	334.100	615.300	512.900
2	00:08:38	248.300	338.800	18480.000	436500.000	432600.000	338.300	625.800	522.400
3	00:09:21	244.100	335.100	18450.000	433000.000	429700.000	337.400	625.700	515.200
x		245.800	338.100	18430.000	434000.000	430200.000	336.600	622.300	516.800
σ		2.253	2.673	66.370	2108.000	2208.000	2.201	6.001	4.982
%RSD		0.917	0.791	0.360	0.486	0.513	0.654	0.965	0.964

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	517.200	3071.000	3093.000	134.100	12.940	18.130	0.000	376.000
2	00:08:38	529.200	3104.000	3139.000	136.600	12.360	17.630	0.000	378.900
3	00:09:21	519.600	3112.000	3133.000	134.100	12.930	15.750	0.000	378.400
x		522.000	3096.000	3122.000	135.000	12.740	17.170	0.000	377.800
σ		6.356	21.970	24.740	1.448	0.334	1.252	0.000	1.584
%RSD		1.218	0.710	0.792	1.073	2.621	7.292	0.000	0.419

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	0.000	26.430	26.380	66.387%	5.522	5.218	13.160	12.640
2	00:08:38	0.000	26.810	26.350	66.728%	5.431	5.209	14.110	12.710
3	00:09:21	0.000	26.640	27.220	66.733%	5.192	5.390	13.170	12.710
x		0.000	26.630	26.650	66.616%	5.382	5.272	13.480	12.690
σ		0.000	0.193	0.494	0.198%	0.170	0.102	0.545	0.042
%RSD		0.000	0.724	1.855	0.297	3.158	1.939	4.046	0.328

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	69.727%	99.830	4.587	4.557	1570.000	1563.000	85.377%	84.295%
2	00:08:38	69.969%	101.800	4.696	4.771	1590.000	1575.000	87.419%	86.250%
3	00:09:21	70.802%	100.400	4.690	4.725	1578.000	1561.000	87.371%	86.811%
x		70.166%	100.700	4.658	4.685	1579.000	1566.000	86.722%	85.785%
σ		0.564%	1.007	0.061	0.113	9.994	7.480	1.165%	1.321%
%RSD		0.803	1.001	1.320	2.411	0.633	0.477	1.344	1.540

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:55	3.703	3.711	654.100	642.400	654.900	60.501%
2	00:08:38	3.700	3.703	657.200	643.700	657.400	61.761%
3	00:09:21	3.589	3.698	655.900	647.100	658.200	62.432%
x		3.664	3.704	655.700	644.400	656.800	61.565%
σ		0.065	0.006	1.551	2.456	1.764	0.980%
%RSD		1.777	0.173	0.237	0.381	0.269	1.592

L9FKXP5 11/23/2010 12:11:33 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:16	79.071%	3.578	10.980	12.530	0.000	262.700	6203.000	6024.000
2	00:12:59	80.504%	3.214	12.500	11.860	0.000	260.800	6168.000	5927.000
3	00:13:42	78.274%	3.907	13.250	11.730	0.000	264.300	6209.000	5953.000
x		79.283%	3.567	12.250	12.040	0.000	262.600	6193.000	5968.000
σ		1.130%	0.347	1.158	0.432	0.000	1.777	21.840	49.840
%RSD		1.425	9.728	9.454	3.585	0.000	0.677	0.353	0.835

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:16	28300.000	482.600	0.000	3187.000	9255.000	8861.000	73.250%	157.400
2	00:12:59	27710.000	465.100	0.000	3169.000	9190.000	9114.000	72.033%	161.800
3	00:13:42	28190.000	464.300	0.000	3252.000	9225.000	8957.000	72.112%	161.300
x		28060.000	470.700	0.000	3203.000	9223.000	8977.000	72.465%	160.200
σ		314.000	10.380	0.000	43.600	32.930	127.800	0.681%	2.435
%RSD		1.119	2.205	0.000	1.361	0.357	1.423	0.939	1.520

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:16	50.280	69.810	3603.000	84340.000	83710.000	65.090	119.200	97.710
2	00:12:59	50.470	69.940	3669.000	85480.000	83880.000	64.840	119.100	98.480
3	00:13:42	50.500	69.530	3642.000	85610.000	84920.000	64.920	119.100	99.610
x		50.420	69.760	3638.000	85140.000	84170.000	64.950	119.200	98.600
σ		0.123	0.211	33.350	700.200	650.900	0.125	0.060	0.955
%RSD		0.243	0.303	0.917	0.822	0.773	0.192	0.050	0.969

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:16	96.690	576.900	567.200	22.830	1.584	1.516	0.000	52.430
2	00:12:59	98.630	584.400	581.400	22.700	0.982	0.916	0.000	52.020
3	00:13:42	97.160	577.500	573.800	22.590	1.266	1.571	0.000	52.270
x		97.490	579.600	574.100	22.710	1.277	1.334	0.000	52.240
σ		1.009	4.150	7.091	0.124	0.301	0.363	0.000	0.211
%RSD		1.035	0.716	1.235	0.547	23.580	27.200	0.000	0.404

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:16	102.764%	4.306	4.877	70.841%	0.981	0.948	2.668	2.506
2	00:12:59	103.213%	4.522	4.606	70.750%	1.153	1.105	2.370	2.505
3	00:13:42	103.710%	4.590	4.735	71.090%	1.061	1.074	2.493	2.386
x		103.229%	4.473	4.739	70.894%	1.065	1.042	2.510	2.466
σ		0.473%	0.148	0.136	0.176%	0.086	0.083	0.150	0.069
%RSD		0.459	3.318	2.858	0.248	8.067	7.992	5.971	2.801

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:16	72.612%	19.750	0.974	1.004	339.800	339.300	77.141%	76.591%
2	00:12:59	72.888%	19.410	0.906	0.906	337.500	336.900	78.390%	77.790%
3	00:13:42	72.875%	19.940	0.948	0.872	340.300	336.400	77.253%	77.769%
x		72.792%	19.700	0.943	0.927	339.200	337.500	77.594%	77.383%
σ		0.156%	0.271	0.034	0.069	1.485	1.549	0.691%	0.686%
%RSD		0.214	1.373	3.655	7.412	0.438	0.459	0.890	0.886

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:12:16	0.806	0.775	129.600	126.400	129.000	65.070%
2	00:12:59	0.750	0.760	130.400	128.000	130.100	65.426%
3	00:13:42	0.772	0.783	130.600	127.600	129.700	65.871%
x		0.776	0.773	130.200	127.300	129.600	65.456%
σ		0.028	0.012	0.519	0.867	0.523	0.402%
%RSD		3.642	1.541	0.399	0.681	0.404	0.613

CCV1-7 11/23/2010 12:18:49 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:32	69.329%	95.300	83.760	83.440	0.000	46750.000	49220.000	47670.000
2	00:20:15	66.456%	95.450	85.760	86.490	0.000	47190.000	50030.000	48430.000
3	00:20:58	66.757%	98.840	84.900	86.030	0.000	47040.000	49500.000	47850.000
x		67.514%	96.533%	84.803%	85.321%	0.000	93.982%	99.168%	95.966%
σ		1.579%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.339	2.074	1.182	1.923	0.000	0.480	0.821	0.832

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:32	489.200	4868.000	0.000	48410.000	48790.000	48180.000	64.946%	94.750
2	00:20:15	492.500	4799.000	0.000	49260.000	49710.000	49160.000	63.021%	97.940
3	00:20:58	485.500	4823.000	0.000	49220.000	49820.000	49350.000	61.700%	100.300
x		97.813%	96.601%	0.000	97.932%	98.878%	97.795%	63.222%	97.665%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.632%	n/a
%RSD		0.712	0.717	0.000	0.975	1.145	1.281	2.581	2.856

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:32	95.210	95.970	480.900	23920.000	24150.000	96.920	96.040	100.800
2	00:20:15	97.230	96.660	488.200	24140.000	24290.000	96.680	99.070	100.700
3	00:20:58	96.870	96.800	492.100	24320.000	24480.000	97.310	98.480	99.690
x		96.438%	96.478%	97.409%	96.501%	97.221%	96.967%	97.866%	100.410%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.121	0.460	1.169	0.819	0.683	0.328	1.639	0.620

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:32	101.100	102.900	102.500	103.300	97.940	101.300	0.000	99.210
2	00:20:15	97.910	103.000	104.100	100.300	99.370	99.430	0.000	97.900
3	00:20:58	99.630	103.900	105.100	103.000	98.630	102.400	0.000	98.780
x		99.548%	103.271%	103.906%	102.188%	98.646%	101.045%	0.000	98.630%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.601	0.525	1.285	1.617	0.722	1.468	0.000	0.676

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:32	66.470%	86.740	86.800	62.392%	97.850	98.420	98.810	96.960
2	00:20:15	65.745%	91.260	92.660	61.266%	99.280	98.800	98.660	96.820
3	00:20:58	64.947%	96.340	97.970	59.914%	100.400	100.100	99.570	98.690
x		65.720%	91.445%	92.479%	61.191%	99.174%	99.118%	99.013%	97.492%
σ		0.762%	n/a	n/a	1.241%	n/a	n/a	n/a	n/a
%RSD		1.159	5.250	6.044	2.028	1.285	0.907	0.490	1.068

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:32	65.985%	94.470	96.270	96.930	97.530	96.120	70.966%	71.033%
2	00:20:15	64.865%	95.620	97.910	98.360	98.200	96.400	70.148%	70.550%
3	00:20:58	64.032%	95.990	99.210	99.900	97.910	97.980	69.769%	69.983%
x		64.961%	95.362%	97.795%	98.400%	97.879%	96.832%	70.294%	70.522%
σ		0.980%	n/a	n/a	n/a	n/a	n/a	0.612%	0.526%
%RSD		1.509	0.831	1.510	1.511	0.346	1.035	0.871	0.746

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:19:32	103.500	103.500	105.100	104.700	105.700	69.261%
2	00:20:15	105.100	105.400	106.000	106.300	106.800	68.394%
3	00:20:58	105.900	106.200	106.900	107.600	107.700	67.533%
x		104.829%	105.026%	105.987%	106.234%	106.756%	68.396%
σ		n/a	n/a	n/a	n/a	n/a	0.864%
%RSD		1.168	1.277	0.821	1.368	0.947	1.263

CCB7 11/23/2010 12:26:05 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:26:48	94.085%	0.009	1.587	1.740	0.000	16.540	2.872	3.032
2	00:27:31	92.509%	0.018	1.463	1.782	0.000	16.510	3.395	3.234
3	00:28:14	93.397%	0.002	1.408	1.604	0.000	16.270	4.287	3.160
x		93.331%	0.009	1.486	1.709	0.000	16.440	3.518	3.142
σ		0.790%	0.008	0.092	0.093	0.000	0.147	0.716	0.102
%RSD		0.847	84.390	6.158	5.453	0.000	0.894	20.350	3.250

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:26:48	0.252	-0.080	0.000	-3.912	6.454	22.960	91.191%	-0.130
2	00:27:31	0.394	0.389	0.000	-6.129	4.221	19.390	91.684%	-0.090
3	00:28:14	0.186	-0.439	0.000	-6.031	10.900	21.520	90.818%	-0.048
x		0.278	-0.043	0.000	-5.358	7.193	21.290	91.231%	-0.090
σ		0.106	0.415	0.000	1.253	3.401	1.800	0.434%	0.041
%RSD		38.260	960.400	0.000	23.380	47.280	8.457	0.476	45.450

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:26:48	-0.249	0.261	0.087	9.391	11.830	0.012	-0.008	0.052
2	00:27:31	-0.132	0.246	0.084	7.521	7.510	-0.003	-0.003	0.016
3	00:28:14	-0.029	0.313	0.088	5.821	3.660	-0.000	-0.034	0.036
x		-0.137	0.273	0.087	7.578	7.666	0.003	-0.015	0.035
σ		0.110	0.035	0.002	1.786	4.087	0.008	0.017	0.018
%RSD		80.710	12.790	2.377	23.570	53.310	260.700	112.500	51.950

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:26:48	-0.116	-0.325	-0.323	-0.082	-1.024	1.036	0.000	0.013
2	00:27:31	-0.129	-0.300	-0.335	0.271	-1.447	1.237	0.000	0.013
3	00:28:14	-0.107	-0.328	-0.315	0.189	-1.505	0.707	0.000	0.017
x		-0.117	-0.318	-0.324	0.126	-1.325	0.994	0.000	0.014
σ		0.011	0.015	0.010	0.185	0.263	0.268	0.000	0.002
%RSD		9.600	4.834	3.002	146.700	19.840	26.950	0.000	16.390

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:26:48	87.150%	0.922	0.989	87.501%	-0.006	-0.002	-0.065	-0.024
2	00:27:31	88.028%	0.877	0.906	88.532%	0.011	0.008	-0.189	-0.105
3	00:28:14	88.285%	0.789	0.818	89.113%	-0.009	0.000	-0.141	-0.089
x		87.821%	0.863	0.904	88.382%	-0.001	0.002	-0.132	-0.072
σ		0.595%	0.068	0.086	0.817%	0.011	0.005	0.062	0.043
%RSD		0.678	7.837	9.486	0.924	1089.000	248.400	47.480	59.230

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:26:48	87.215%	-0.651	0.140	0.112	0.016	-0.030	88.056%	87.461%
2	00:27:31	87.429%	-0.693	0.107	0.124	-0.032	-0.039	89.048%	89.538%
3	00:28:14	88.749%	-0.704	0.124	0.136	-0.055	-0.013	90.107%	90.394%
x		87.798%	-0.683	0.123	0.124	-0.024	-0.027	89.070%	89.131%
σ		0.831%	0.028	0.017	0.012	0.036	0.013	1.026%	1.508%
%RSD		0.946	4.049	13.440	9.552	151.500	48.470	1.152	1.692

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:26:48	0.001	0.010	0.117	0.124	0.119	81.746%
2	00:27:31	-0.001	0.003	0.086	0.114	0.106	83.561%
3	00:28:14	0.004	0.005	0.115	0.109	0.106	84.734%
x		0.001	0.006	0.106	0.116	0.111	83.347%
σ		0.002	0.004	0.017	0.008	0.008	1.505%
%RSD		173.500	62.230	16.190	6.696	6.958	1.806

L9FKXS 11/23/2010 12:30:26 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:09	72.500%	63.520	869.100	840.900	0.000	42710.000	76280.000	74160.000
2	00:31:52	70.595%	65.790	877.600	836.200	0.000	42730.000	77100.000	75040.000
3	00:32:35	70.598%	64.990	876.400	837.900	0.000	42670.000	77790.000	74860.000
x		71.231%	64.770	874.400	838.300	0.000	42700.000	77060.000	74690.000
σ		1.099%	1.155	4.578	2.342	0.000	32.870	754.600	463.300
%RSD		1.543	1.783	0.524	0.279	0.000	0.077	0.979	0.620

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:09	224000.000	3663.000	0.000	69190.000	80720.000	83400.000	74.719%	1963.000
2	00:31:52	224100.000	3599.000	0.000	69400.000	81000.000	79150.000	73.601%	1995.000
3	00:32:35	224000.000	3626.000	0.000	70360.000	80550.000	79440.000	73.225%	1988.000
x		224000.000	3629.000	0.000	69650.000	80760.000	80660.000	73.848%	1982.000
σ		79.890	32.130	0.000	622.000	227.900	2373.000	0.777%	16.830
%RSD		0.036	0.885	0.000	0.893	0.282	2.942	1.052	0.849

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:09	744.800	562.500	17920.000	435300.000	430400.000	751.000	1047.000	721.300
2	00:31:52	756.600	565.800	18020.000	436900.000	434500.000	761.300	1060.000	728.900
3	00:32:35	751.600	567.200	18160.000	442600.000	438300.000	759.200	1050.000	726.100
x		751.000	565.200	18030.000	438300.000	434400.000	757.200	1053.000	725.400
σ		5.920	2.389	124.900	3854.000	3960.000	5.475	6.785	3.861
%RSD		0.788	0.423	0.693	0.879	0.912	0.723	0.644	0.532

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:09	724.900	3494.000	3523.000	177.300	20.550	27.810	0.000	1456.000
2	00:31:52	734.700	3538.000	3575.000	177.700	21.010	25.030	0.000	1463.000
3	00:32:35	738.300	3547.000	3581.000	178.700	19.660	26.930	0.000	1468.000
x		732.700	3526.000	3560.000	177.900	20.410	26.590	0.000	1462.000
σ		6.928	28.230	31.510	0.703	0.688	1.421	0.000	6.027
%RSD		0.946	0.800	0.885	0.395	3.369	5.345	0.000	0.412

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:09	0.000	981.900	995.800	60.811%	49.280	49.190	59.220	53.820
2	00:31:52	0.000	997.400	1008.000	60.892%	50.090	49.580	59.360	54.860
3	00:32:35	0.000	1005.000	1014.000	60.623%	50.200	48.850	59.610	53.280
x		0.000	994.600	1006.000	60.775%	49.860	49.210	59.400	53.990
σ		0.000	11.640	9.371	0.138%	0.505	0.368	0.200	0.805
%RSD		0.000	1.170	0.931	0.227	1.012	0.747	0.337	1.491

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:09	63.419%	1833.000	262.000	260.900	3471.000	3426.000	80.327%	78.717%
2	00:31:52	63.063%	1862.000	267.100	264.100	3491.000	3454.000	81.962%	80.655%
3	00:32:35	63.532%	1837.000	263.100	264.000	3488.000	3456.000	81.765%	81.094%
x		63.338%	1844.000	264.100	263.000	3483.000	3445.000	81.351%	80.155%
σ		0.245%	15.620	2.683	1.828	10.730	16.400	0.893%	1.265%
%RSD		0.386	0.847	1.016	0.695	0.308	0.476	1.097	1.578

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:09	56.820	57.550	711.200	701.400	712.700	56.371%
2	00:31:52	57.740	58.260	717.100	705.300	718.200	56.980%
3	00:32:35	57.560	58.470	715.800	706.000	717.200	57.335%
x		57.370	58.100	714.700	704.300	716.000	56.895%
σ		0.489	0.484	3.091	2.468	2.909	0.488%
%RSD		0.853	0.833	0.433	0.350	0.406	0.857

L9FKXD 11/23/2010 12:34:45 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:28	69.202%	62.890	861.200	835.700	0.000	43010.000	77310.000	75100.000
2	00:36:11	70.469%	63.750	839.700	812.200	0.000	42730.000	77250.000	74500.000
3	00:36:54	70.032%	62.370	854.300	815.000	0.000	42620.000	77410.000	74080.000
x		69.901%	63.010	851.700	821.000	0.000	42790.000	77320.000	74560.000
σ		0.643%	0.696	10.950	12.870	0.000	201.600	80.810	508.900
%RSD		0.920	1.104	1.286	1.568	0.000	0.471	0.105	0.683

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:28	216500.000	3706.000	0.000	67400.000	81300.000	79510.000	73.121%	1930.000
2	00:36:11	213900.000	3592.000	0.000	67730.000	81970.000	85420.000	72.230%	1947.000
3	00:36:54	212000.000	3561.000	0.000	67610.000	82300.000	80400.000	72.519%	1905.000
x		214100.000	3620.000	0.000	67580.000	81860.000	81780.000	72.623%	1928.000
σ		2231.000	76.380	0.000	165.900	512.500	3183.000	0.455%	21.010
%RSD		1.042	2.110	0.000	0.245	0.626	3.892	0.626	1.090

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:28	740.000	554.700	18230.000	431700.000	428500.000	747.200	1036.000	700.600
2	00:36:11	743.100	558.100	18490.000	434200.000	429700.000	750.100	1035.000	705.400
3	00:36:54	738.400	556.300	18440.000	433600.000	427300.000	750.500	1036.000	708.000
x		740.500	556.400	18380.000	433200.000	428500.000	749.300	1036.000	704.700
σ		2.370	1.676	141.100	1306.000	1176.000	1.835	0.797	3.707
%RSD		0.320	0.301	0.767	0.301	0.274	0.245	0.077	0.526

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:28	717.300	3417.000	3444.000	172.700	20.090	26.260	0.000	1455.000
2	00:36:11	715.100	3452.000	3496.000	176.000	21.210	28.670	0.000	1462.000
3	00:36:54	715.100	3447.000	3513.000	175.000	19.870	25.570	0.000	1467.000
x		715.800	3439.000	3484.000	174.500	20.390	26.830	0.000	1462.000
σ		1.306	18.900	36.170	1.694	0.720	1.629	0.000	6.165
%RSD		0.182	0.549	1.038	0.971	3.530	6.069	0.000	0.422

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:28	0.000	988.200	995.900	60.899%	48.590	48.300	59.640	52.950
2	00:36:11	0.000	1001.000	1003.000	60.882%	49.620	48.720	60.250	54.220
3	00:36:54	0.000	997.400	1004.000	61.168%	49.220	49.130	59.800	54.390
x		0.000	995.400	1001.000	60.983%	49.150	48.720	59.900	53.850
σ		0.000	6.523	4.588	0.160%	0.518	0.415	0.313	0.786
%RSD		0.000	0.655	0.458	0.263	1.054	0.853	0.523	1.459

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:28	63.712%	1792.000	259.400	257.700	3377.000	3349.000	80.769%	79.665%
2	00:36:11	63.998%	1802.000	262.500	261.400	3412.000	3372.000	81.495%	81.628%
3	00:36:54	63.661%	1823.000	263.700	263.700	3429.000	3398.000	83.088%	81.598%
x		63.791%	1806.000	261.800	260.900	3406.000	3373.000	81.784%	80.964%
σ		0.182%	15.590	2.221	3.017	26.760	24.780	1.187%	1.125%
%RSD		0.285	0.863	0.848	1.156	0.786	0.735	1.451	1.389

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:35:28	56.790	58.550	682.100	672.300	684.700	56.239%
2	00:36:11	57.400	58.840	683.400	675.900	686.400	57.329%
3	00:36:54	57.800	58.700	684.500	673.500	685.000	57.996%
x		57.330	58.700	683.300	673.900	685.400	57.188%
σ		0.507	0.149	1.216	1.802	0.898	0.887%
%RSD		0.884	0.253	0.178	0.267	0.131	1.551

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:46	77.026%	18.060	52.090	50.960	0.000	1009.000	30790.000	29790.000
2	00:40:29	76.732%	17.280	48.940	47.540	0.000	1007.000	30720.000	29610.000
3	00:41:13	76.802%	16.420	47.670	47.670	0.000	1002.000	30730.000	29570.000
x		76.853%	17.250	49.570	48.720	0.000	1006.000	30750.000	29660.000
σ		0.154%	0.820	2.276	1.938	0.000	3.558	39.930	117.000
%RSD		0.200	4.751	4.592	3.977	0.000	0.354	0.130	0.394

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:46	126300.000	1291.000	0.000	12540.000	49720.000	49410.000	76.360%	573.400
2	00:40:29	127100.000	1290.000	0.000	12490.000	50360.000	49890.000	76.012%	572.800
3	00:41:13	125200.000	1279.000	0.000	12570.000	49140.000	49180.000	76.110%	581.500
x		126200.000	1287.000	0.000	12530.000	49740.000	49500.000	76.161%	575.900
σ		967.500	6.441	0.000	39.230	610.600	364.200	0.180%	4.866
%RSD		0.767	0.501	0.000	0.313	1.228	0.736	0.236	0.845

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:46	232.300	330.000	18370.000	419400.000	415700.000	329.000	622.900	482.100
2	00:40:29	230.800	331.900	18520.000	424000.000	418900.000	331.800	622.300	480.400
3	00:41:13	233.300	328.200	18360.000	421600.000	416300.000	330.100	623.600	479.100
x		232.100	330.000	18420.000	421700.000	417000.000	330.300	622.900	480.500
σ		1.285	1.830	91.100	2267.000	1681.000	1.420	0.616	1.495
%RSD		0.554	0.554	0.495	0.538	0.403	0.430	0.099	0.311

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:46	486.200	3214.000	3236.000	136.100	12.580	18.520	0.000	378.100
2	00:40:29	487.900	3234.000	3255.000	136.200	11.750	16.970	0.000	381.400
3	00:41:13	485.900	3225.000	3249.000	137.600	11.710	17.150	0.000	383.000
x		486.700	3224.000	3247.000	136.600	12.020	17.540	0.000	380.800
σ		1.059	10.070	9.709	0.856	0.489	0.848	0.000	2.466
%RSD		0.218	0.312	0.299	0.626	4.072	4.833	0.000	0.647

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:46	0.000	42.620	43.110	65.328%	3.266	3.063	12.890	11.770
2	00:40:29	0.000	34.490	35.480	65.696%	3.335	3.118	12.290	11.800
3	00:41:13	0.000	31.700	32.690	65.707%	3.297	3.154	13.580	11.890
x		0.000	36.270	37.090	65.577%	3.299	3.112	12.920	11.820
σ		0.000	5.674	5.396	0.216%	0.034	0.046	0.645	0.064
%RSD		0.000	15.650	14.550	0.329	1.038	1.479	4.996	0.545

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:46	68.372%	96.070	4.911	4.889	1526.000	1518.000	83.807%	82.972%
2	00:40:29	68.657%	96.640	4.922	4.787	1536.000	1531.000	84.269%	83.651%
3	00:41:13	68.583%	95.930	4.579	4.666	1543.000	1530.000	84.352%	84.296%
x		68.537%	96.210	4.804	4.781	1535.000	1526.000	84.143%	83.640%
σ		0.148%	0.379	0.195	0.112	8.447	6.924	0.294%	0.662%
%RSD		0.216	0.394	4.061	2.336	0.550	0.454	0.349	0.791

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:39:46	3.699	3.654	644.300	633.100	644.500	59.617%
2	00:40:29	3.507	3.558	649.100	636.400	647.400	60.209%
3	00:41:13	3.344	3.468	647.800	635.400	646.500	60.635%
x		3.516	3.560	647.100	635.000	646.100	60.154%
σ		0.178	0.093	2.491	1.714	1.464	0.512%
%RSD		5.050	2.605	0.385	0.270	0.227	0.851

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:44:06	77.180%	19.170	55.430	55.220	0.000	1153.000	34650.000	33690.000
2	00:44:49	75.844%	20.150	56.490	52.850	0.000	1170.000	35700.000	34250.000
3	00:45:32	75.188%	19.450	55.660	52.480	0.000	1173.000	35430.000	34140.000
x		76.071%	19.590	55.860	53.520	0.000	1166.000	35260.000	34030.000
σ		1.015%	0.503	0.555	1.488	0.000	10.850	545.800	295.000
%RSD		1.335	2.569	0.994	2.779	0.000	0.931	1.548	0.867

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:44:06	155500.000	1937.000	0.000	15590.000	51110.000	50490.000	76.952%	689.600
2	00:44:49	156100.000	1916.000	0.000	15710.000	52190.000	50410.000	75.973%	707.700
3	00:45:32	154500.000	1899.000	0.000	15650.000	51330.000	50790.000	75.609%	695.200
x		155400.000	1917.000	0.000	15650.000	51550.000	50570.000	76.178%	697.500
σ		845.800	19.250	0.000	60.540	571.800	202.200	0.695%	9.286
%RSD		0.544	1.004	0.000	0.387	1.109	0.400	0.912	1.331

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:44:06	265.900	372.600	21800.000	454500.000	451000.000	384.800	700.100	559.800
2	00:44:49	264.800	374.500	21950.000	455900.000	454000.000	386.500	705.400	561.900
3	00:45:32	262.700	373.800	22110.000	459100.000	456400.000	388.000	703.200	560.400
x		264.500	373.600	21950.000	456500.000	453800.000	386.400	702.900	560.700
σ		1.584	0.985	155.900	2375.000	2715.000	1.591	2.649	1.043
%RSD		0.599	0.264	0.710	0.520	0.598	0.412	0.377	0.186

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:44:06	565.700	3702.000	3736.000	147.400	15.530	20.330	0.000	420.200
2	00:44:49	567.200	3739.000	3766.000	148.400	14.020	20.670	0.000	424.400
3	00:45:32	563.300	3751.000	3800.000	149.300	14.950	20.250	0.000	425.500
x		565.400	3731.000	3768.000	148.400	14.830	20.420	0.000	423.400
σ		1.944	25.160	31.890	0.941	0.765	0.221	0.000	2.830
%RSD		0.344	0.674	0.846	0.634	5.156	1.082	0.000	0.668

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:44:06	0.000	30.510	30.860	64.525%	4.416	4.168	15.050	14.880
2	00:44:49	0.000	30.390	30.300	64.452%	4.266	4.120	15.820	14.750
3	00:45:32	0.000	29.650	30.410	64.503%	4.333	4.043	14.830	14.910
x		0.000	30.190	30.530	64.493%	4.338	4.110	15.230	14.840
σ		0.000	0.464	0.296	0.037%	0.075	0.063	0.518	0.088
%RSD		0.000	1.537	0.970	0.057	1.733	1.529	3.399	0.591

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:44:06	66.794%	103.600	4.814	4.834	1808.000	1794.000	84.840%	83.618%
2	00:44:49	67.928%	102.800	4.973	4.691	1790.000	1769.000	87.252%	85.357%
3	00:45:32	67.884%	103.000	4.891	4.612	1809.000	1781.000	86.352%	84.773%
x		67.535%	103.100	4.893	4.713	1802.000	1781.000	86.148%	84.582%
σ		0.642%	0.411	0.080	0.112	10.480	12.700	1.218%	0.885%
%RSD		0.951	0.399	1.633	2.380	0.581	0.713	1.414	1.046

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:44:06	3.707	3.735	741.800	725.200	740.300	58.661%
2	00:44:49	3.692	3.764	745.200	728.000	742.900	59.911%
3	00:45:32	3.797	3.814	745.600	736.100	746.700	60.186%
x		3.732	3.771	744.200	729.800	743.300	59.586%
σ		0.057	0.040	2.109	5.671	3.219	0.813%
%RSD		1.519	1.055	0.283	0.777	0.433	1.364

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:48:25	77.797%	19.920	52.330	51.140	0.000	1116.000	34620.000	33780.000
2	00:49:08	75.292%	20.890	54.290	51.870	0.000	1142.000	35350.000	34150.000
3	00:49:51	76.574%	20.400	53.410	52.010	0.000	1142.000	35060.000	33770.000
x		76.554%	20.400	53.340	51.670	0.000	1133.000	35010.000	33900.000
σ		1.253%	0.484	0.982	0.467	0.000	15.010	367.400	214.700
%RSD		1.636	2.370	1.841	0.903	0.000	1.324	1.049	0.633

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:48:25	154000.000	1620.000	0.000	15120.000	50440.000	50090.000	76.277%	656.600
2	00:49:08	157200.000	1619.000	0.000	15500.000	52280.000	50630.000	75.020%	656.000
3	00:49:51	154400.000	1612.000	0.000	15320.000	52190.000	51010.000	74.431%	658.800
x		155200.000	1617.000	0.000	15310.000	51640.000	50570.000	75.243%	657.200
σ		1758.000	4.358	0.000	190.000	1040.000	461.100	0.943%	1.471
%RSD		1.132	0.270	0.000	1.241	2.013	0.912	1.253	0.224

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:48:25	259.500	396.500	22300.000	475200.000	467800.000	422.000	739.600	573.000
2	00:49:08	266.000	399.400	22400.000	476000.000	470600.000	423.600	748.200	579.900
3	00:49:51	265.000	402.100	22350.000	472500.000	471400.000	425.800	752.300	581.200
x		263.500	399.300	22350.000	474600.000	469900.000	423.800	746.700	578.000
σ		3.475	2.848	51.160	1812.000	1928.000	1.944	6.480	4.408
%RSD		1.319	0.713	0.229	0.382	0.410	0.459	0.868	0.763

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:48:25	581.300	4024.000	4066.000	150.200	15.140	21.060	0.000	414.400
2	00:49:08	587.700	4078.000	4138.000	151.900	14.070	20.980	0.000	414.500
3	00:49:51	585.000	4097.000	4136.000	152.200	15.010	21.240	0.000	417.500
x		584.600	4066.000	4113.000	151.400	14.740	21.100	0.000	415.400
σ		3.238	37.670	40.980	1.082	0.587	0.133	0.000	1.776
%RSD		0.554	0.926	0.996	0.715	3.982	0.632	0.000	0.427

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:48:25	0.000	32.710	32.670	63.089%	4.969	5.129	16.520	15.600
2	00:49:08	0.000	32.570	33.380	63.123%	5.048	4.911	16.760	15.170
3	00:49:51	0.000	32.430	32.670	62.766%	5.049	4.818	16.410	15.200
x		0.000	32.570	32.910	62.992%	5.022	4.953	16.560	15.320
σ		0.000	0.143	0.413	0.197%	0.046	0.160	0.178	0.242
%RSD		0.000	0.441	1.254	0.313	0.913	3.222	1.078	1.578

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:48:25	65.775%	154.600	4.945	4.657	1850.000	1820.000	83.054%	82.464%
2	00:49:08	66.742%	151.000	4.838	4.926	1835.000	1822.000	83.748%	83.085%
3	00:49:51	66.143%	153.200	4.974	4.819	1834.000	1821.000	83.900%	83.112%
x		66.220%	152.900	4.919	4.800	1840.000	1821.000	83.567%	82.887%
σ		0.488%	1.805	0.072	0.136	9.043	1.196	0.451%	0.367%
%RSD		0.737	1.180	1.456	2.826	0.491	0.066	0.540	0.442

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:48:25	3.747	3.832	819.500	805.100	820.600	57.313%
2	00:49:08	3.667	3.882	821.000	807.800	821.300	58.134%
3	00:49:51	3.635	3.791	824.600	811.900	823.900	57.857%
x		3.683	3.835	821.700	808.200	821.900	57.768%
σ		0.058	0.045	2.611	3.430	1.728	0.418%
%RSD		1.565	1.177	0.318	0.424	0.210	0.723

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:45	75.849%	20.220	52.730	53.230	0.000	1160.000	32820.000	32020.000
2	00:53:28	75.394%	18.500	53.440	50.070	0.000	1159.000	32980.000	31790.000
3	00:54:11	73.490%	19.680	52.520	52.050	0.000	1161.000	33080.000	31780.000
x		74.911%	19.470	52.900	51.790	0.000	1160.000	32960.000	31860.000
σ		1.251%	0.879	0.483	1.596	0.000	1.441	135.500	136.400
%RSD		1.670	4.514	0.913	3.081	0.000	0.124	0.411	0.428

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:45	147500.000	1925.000	0.000	15100.000	50100.000	48600.000	73.762%	686.300
2	00:53:28	145000.000	1856.000	0.000	15250.000	50260.000	48800.000	73.296%	696.900
3	00:54:11	146500.000	1872.000	0.000	15090.000	49430.000	48690.000	73.389%	673.000
x		146300.000	1884.000	0.000	15150.000	49930.000	48700.000	73.482%	685.400
σ		1233.000	36.320	0.000	86.790	441.200	101.400	0.247%	11.950
%RSD		0.842	1.927	0.000	0.573	0.884	0.208	0.335	1.744

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:45	261.400	370.500	19940.000	470100.000	463900.000	409.000	721.600	576.800
2	00:53:28	259.200	366.300	19950.000	470500.000	462200.000	407.200	717.100	577.300
3	00:54:11	256.400	364.300	19960.000	468300.000	460700.000	403.600	707.600	569.200
x		259.000	367.000	19950.000	469600.000	462300.000	406.600	715.400	574.400
σ		2.520	3.177	12.600	1157.000	1644.000	2.747	7.132	4.525
%RSD		0.973	0.866	0.063	0.246	0.356	0.676	0.997	0.788

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:45	580.900	3834.000	3858.000	147.800	13.780	18.700	0.000	418.200
2	00:53:28	583.900	3837.000	3903.000	145.000	13.240	17.390	0.000	417.700
3	00:54:11	579.900	3839.000	3863.000	143.800	12.900	20.820	0.000	417.000
x		581.600	3837.000	3875.000	145.600	13.310	18.970	0.000	417.600
σ		2.086	2.062	24.610	2.031	0.444	1.733	0.000	0.603
%RSD		0.359	0.054	0.635	1.395	3.336	9.136	0.000	0.144

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:45	0.000	36.140	35.430	62.463%	5.505	5.426	15.880	14.890
2	00:53:28	0.000	35.440	35.500	62.583%	5.540	5.517	15.580	14.150
3	00:54:11	0.000	35.050	35.320	62.373%	5.480	5.568	15.730	14.750
x		0.000	35.540	35.410	62.473%	5.508	5.504	15.730	14.600
σ		0.000	0.553	0.092	0.106%	0.030	0.072	0.150	0.392
%RSD		0.000	1.557	0.259	0.169	0.548	1.306	0.952	2.688

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:45	65.087%	161.000	5.831	5.609	1716.000	1693.000	80.841%	80.018%
2	00:53:28	65.791%	160.500	5.774	5.810	1692.000	1680.000	82.849%	81.408%
3	00:54:11	64.872%	162.400	5.755	6.077	1716.000	1705.000	82.786%	82.063%
x		65.250%	161.300	5.786	5.832	1708.000	1693.000	82.159%	81.163%
σ		0.481%	0.943	0.040	0.235	13.820	12.190	1.142%	1.044%
%RSD		0.737	0.585	0.683	4.024	0.809	0.720	1.390	1.286

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:45	3.900	3.945	781.800	766.500	780.800	56.784%
2	00:53:28	3.915	3.862	789.300	770.500	785.200	57.937%
3	00:54:11	3.949	3.993	786.900	771.900	787.100	58.176%
x		3.921	3.933	786.000	769.600	784.400	57.632%
σ		0.025	0.067	3.844	2.805	3.255	0.745%
%RSD		0.634	1.693	0.489	0.364	0.415	1.292

L9FLK 11/23/2010 12:56:22 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:57:05	75.493%	16.230	41.900	42.760	0.000	1093.000	26790.000	25940.000
2	00:57:48	73.722%	16.170	45.960	43.920	0.000	1095.000	27090.000	26140.000
3	00:58:31	73.656%	16.510	47.660	44.180	0.000	1084.000	26710.000	25980.000
x		74.290%	16.300	45.170	43.620	0.000	1091.000	26860.000	26020.000
σ		1.042%	0.181	2.958	0.757	0.000	6.093	199.100	108.700
%RSD		1.403	1.113	6.549	1.735	0.000	0.559	0.741	0.418

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:57:05	117800.000	1501.000	0.000	12240.000	40520.000	39490.000	72.111%	628.200
2	00:57:48	119300.000	1488.000	0.000	12360.000	40840.000	39760.000	70.773%	627.100
3	00:58:31	118700.000	1484.000	0.000	12190.000	40010.000	39830.000	70.982%	628.700
x		118600.000	1491.000	0.000	12260.000	40460.000	39690.000	71.289%	628.000
σ		750.600	8.832	0.000	85.630	419.200	181.000	0.720%	0.841
%RSD		0.633	0.592	0.000	0.698	1.036	0.456	1.010	0.134

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:57:05	224.300	315.700	18040.000	423900.000	421100.000	322.800	583.300	490.300
2	00:57:48	223.600	315.000	18240.000	430200.000	426500.000	327.400	596.800	492.800
3	00:58:31	223.300	310.800	17940.000	427900.000	422600.000	322.500	591.200	489.100
x		223.800	313.800	18070.000	427300.000	423400.000	324.300	590.400	490.700
σ		0.502	2.644	156.300	3214.000	2802.000	2.760	6.799	1.882
%RSD		0.225	0.842	0.865	0.752	0.662	0.851	1.152	0.384

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:57:05	491.800	2912.000	2913.000	129.000	11.530	17.990	0.000	333.000
2	00:57:48	500.700	2942.000	2968.000	131.200	11.720	16.750	0.000	332.500
3	00:58:31	493.000	2920.000	2941.000	129.300	11.380	15.800	0.000	330.500
x		495.200	2925.000	2941.000	129.800	11.550	16.850	0.000	332.000
σ		4.816	15.970	27.560	1.192	0.172	1.099	0.000	1.343
%RSD		0.973	0.546	0.937	0.918	1.487	6.526	0.000	0.404

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:57:05	0.000	26.910	26.610	61.591%	2.736	2.696	12.620	11.940
2	00:57:48	0.000	26.570	26.970	62.086%	2.743	2.771	12.810	11.900
3	00:58:31	0.000	26.520	26.970	61.715%	2.884	2.709	12.570	11.550
x		0.000	26.670	26.850	61.798%	2.788	2.725	12.670	11.800
σ		0.000	0.210	0.211	0.257%	0.083	0.040	0.127	0.215
%RSD		0.000	0.789	0.787	0.416	2.980	1.467	1.002	1.822

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:57:05	64.023%	104.900	4.453	4.380	1444.000	1428.000	78.044%	77.488%
2	00:57:48	64.687%	103.200	4.415	4.439	1443.000	1428.000	79.162%	78.419%
3	00:58:31	64.210%	104.500	4.367	4.176	1436.000	1428.000	78.705%	77.918%
x		64.306%	104.200	4.412	4.332	1441.000	1428.000	78.637%	77.942%
σ		0.343%	0.882	0.043	0.138	4.479	0.259	0.562%	0.466%
%RSD		0.533	0.847	0.977	3.182	0.311	0.018	0.715	0.598

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:57:05	3.140	3.233	602.000	592.800	603.500	56.520%
2	00:57:48	3.140	3.148	603.600	594.600	604.500	56.965%
3	00:58:31	3.079	3.257	606.200	598.400	606.600	56.856%
x		3.120	3.213	603.900	595.300	604.900	56.780%
σ		0.035	0.057	2.111	2.831	1.602	0.232%
%RSD		1.137	1.774	0.350	0.476	0.265	0.409

L9FLL 11/23/2010 1:00:42 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:01:25	65.501%	22.850	117.300	113.000	0.000	2743.000	148300.000	143400.000
2	01:02:08	63.379%	22.390	120.500	113.300	0.000	2808.000	152000.000	143700.000
3	01:02:51	62.189%	21.870	119.400	112.000	0.000	2806.000	151300.000	143200.000
x		63.690%	22.370	119.100	112.700	0.000	2786.000	150600.000	143400.000
σ		1.678%	0.488	1.603	0.657	0.000	37.090	1951.000	246.000
%RSD		2.635	2.182	1.346	0.583	0.000	1.331	1.296	0.172

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:01:25	148500.000	3207.000	0.000	18540.000	601200.000	619200.000	62.048%	1012.000
2	01:02:08	150000.000	3192.000	0.000	18550.000	601600.000	622600.000	61.355%	1024.000
3	01:02:51	147800.000	3156.000	0.000	18480.000	601900.000	625000.000	61.019%	1015.000
x		148700.000	3185.000	0.000	18520.000	601600.000	622300.000	61.474%	1017.000
σ		1109.000	26.080	0.000	38.430	345.900	2895.000	0.525%	6.424
%RSD		0.746	0.819	0.000	0.207	0.057	0.465	0.853	0.632

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:01:25	194.800	283.000	17510.000	385300.000	385400.000	174.300	404.600	277.200
2	01:02:08	195.200	282.800	17650.000	387600.000	387700.000	173.800	407.800	277.300
3	01:02:51	193.900	282.600	17530.000	386700.000	384600.000	171.700	408.200	276.200
x		194.600	282.800	17560.000	386500.000	385900.000	173.300	406.900	276.900
σ		0.637	0.228	72.340	1175.000	1610.000	1.411	1.982	0.639
%RSD		0.327	0.081	0.412	0.304	0.417	0.814	0.487	0.231

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:01:25	281.200	1962.000	1991.000	92.290	10.840	14.720	0.000	2828.000
2	01:02:08	282.700	1973.000	2004.000	91.340	10.840	14.400	0.000	2844.000
3	01:02:51	281.100	1989.000	2010.000	92.510	9.929	15.060	0.000	2855.000
x		281.700	1975.000	2001.000	92.050	10.540	14.720	0.000	2842.000
σ		0.869	13.650	9.865	0.621	0.527	0.329	0.000	13.500
%RSD		0.309	0.691	0.493	0.675	5.005	2.234	0.000	0.475

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:01:25	0.000	24.780	24.660	53.384%	1.389	1.134	6.725	5.855
2	01:02:08	0.000	25.130	25.380	53.493%	1.299	1.266	6.722	6.014
3	01:02:51	0.000	25.150	25.480	53.468%	1.415	1.231	6.942	5.407
x		0.000	25.020	25.170	53.448%	1.368	1.210	6.797	5.758
σ		0.000	0.206	0.451	0.057%	0.061	0.069	0.126	0.315
%RSD		0.000	0.823	1.790	0.106	4.435	5.666	1.859	5.468

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:01:25	57.130%	68.890	2.858	2.986	1543.000	1529.000	71.386%	71.463%
2	01:02:08	57.462%	68.980	2.726	2.700	1572.000	1543.000	72.314%	72.769%
3	01:02:51	57.918%	68.910	2.744	2.543	1551.000	1542.000	72.851%	73.491%
x		57.503%	68.930	2.776	2.743	1555.000	1538.000	72.184%	72.574%
σ		0.396%	0.050	0.071	0.224	14.690	7.712	0.741%	1.028%
%RSD		0.688	0.073	2.566	8.177	0.944	0.501	1.027	1.417

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:01:25	2.277	2.410	393.600	386.500	393.800	50.613%
2	01:02:08	2.391	2.357	393.800	385.400	393.600	51.975%
3	01:02:51	2.292	2.353	394.000	385.900	394.200	52.925%
x		2.320	2.373	393.800	385.900	393.900	51.838%
σ		0.062	0.032	0.155	0.584	0.342	1.162%
%RSD		2.677	1.334	0.039	0.151	0.087	2.242

L9FLT 11/23/2010 1:05:03 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:46	73.432%	19.800	55.890	53.460	0.000	2028.000	31660.000	30550.000
2	01:06:29	73.198%	19.720	53.920	51.560	0.000	2019.000	31680.000	30580.000
3	01:07:12	72.813%	19.070	54.620	52.010	0.000	2044.000	31860.000	30610.000
x		73.147%	19.530	54.810	52.340	0.000	2030.000	31730.000	30580.000
σ		0.313%	0.400	1.000	0.992	0.000	13.010	110.100	28.890
%RSD		0.427	2.050	1.824	1.896	0.000	0.641	0.347	0.094

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:46	137500.000	1658.000	0.000	14090.000	64290.000	62440.000	71.783%	756.200
2	01:06:29	136100.000	1628.000	0.000	14020.000	63940.000	63030.000	70.561%	775.000
3	01:07:12	137400.000	1642.000	0.000	13920.000	63800.000	62680.000	71.335%	746.600
x		137000.000	1643.000	0.000	14010.000	64010.000	62720.000	71.226%	759.300
σ		741.100	15.060	0.000	84.860	253.300	293.600	0.618%	14.410
%RSD		0.541	0.917	0.000	0.606	0.396	0.468	0.868	1.898

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:46	272.000	609.500	16900.000	637400.000	632500.000	342.700	745.400	666.000
2	01:06:29	276.000	610.100	17110.000	643900.000	636700.000	342.100	748.800	668.900
3	01:07:12	271.400	607.200	16850.000	632300.000	623500.000	340.300	737.000	658.900
x		273.100	608.900	16950.000	637900.000	630900.000	341.700	743.800	664.600
σ		2.508	1.524	138.000	5771.000	6755.000	1.224	6.069	5.138
%RSD		0.918	0.250	0.814	0.905	1.071	0.358	0.816	0.773

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:46	677.100	5537.000	5579.000	188.100	12.920	20.150	0.000	471.900
2	01:06:29	673.000	5592.000	5670.000	191.100	13.670	18.780	0.000	473.500
3	01:07:12	662.100	5524.000	5606.000	188.800	13.320	21.610	0.000	469.800
x		670.700	5551.000	5618.000	189.300	13.300	20.180	0.000	471.700
σ		7.777	35.810	46.530	1.592	0.371	1.419	0.000	1.827
%RSD		1.159	0.645	0.828	0.841	2.786	7.034	0.000	0.387

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:46	0.000	49.150	49.720	60.290%	5.721	5.776	20.070	18.070
2	01:06:29	0.000	50.270	49.980	59.884%	5.760	5.731	19.830	17.670
3	01:07:12	0.000	49.630	50.620	59.772%	5.722	5.820	19.630	17.520
x		0.000	49.680	50.110	59.982%	5.734	5.776	19.840	17.750
σ		0.000	0.567	0.464	0.273%	0.022	0.044	0.217	0.285
%RSD		0.000	1.140	0.925	0.455	0.388	0.768	1.092	1.606

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:46	63.397%	471.800	6.860	6.535	1705.000	1690.000	80.307%	78.870%
2	01:06:29	63.130%	474.300	6.610	7.018	1701.000	1687.000	80.864%	79.787%
3	01:07:12	62.241%	477.000	6.842	6.883	1712.000	1704.000	79.908%	79.193%
x		62.923%	474.400	6.771	6.812	1706.000	1694.000	80.360%	79.283%
σ		0.606%	2.573	0.139	0.249	5.340	9.169	0.480%	0.465%
%RSD		0.962	0.542	2.057	3.662	0.313	0.541	0.598	0.587

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:46	4.039	4.128	1214.000	1186.000	1207.000	55.735%
2	01:06:29	4.279	4.292	1224.000	1194.000	1216.000	55.705%
3	01:07:12	4.119	4.215	1216.000	1185.000	1208.000	55.866%
x		4.146	4.212	1218.000	1189.000	1211.000	55.769%
σ		0.122	0.082	5.385	4.983	4.718	0.086%
%RSD		2.938	1.945	0.442	0.419	0.390	0.154

L9FLW 11/23/2010 1:09:24 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:10:07	72.244%	16.540	42.880	42.550	0.000	2114.000	24530.000	23810.000
2	01:10:50	71.069%	16.510	45.750	42.330	0.000	2128.000	24700.000	23970.000
3	01:11:33	70.033%	17.720	43.980	44.610	0.000	2128.000	25020.000	24210.000
x		71.115%	16.920	44.200	43.160	0.000	2123.000	24750.000	24000.000
σ		1.106%	0.692	1.446	1.256	0.000	8.083	245.900	200.200
%RSD		1.555	4.087	3.271	2.910	0.000	0.381	0.994	0.834

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:10:07	132600.000	1533.000	0.000	13160.000	21580.000	21640.000	71.010%	675.500
2	01:10:50	133100.000	1506.000	0.000	13260.000	22360.000	22020.000	69.815%	682.500
3	01:11:33	135700.000	1528.000	0.000	13270.000	22840.000	22170.000	69.038%	680.500
x		133800.000	1522.000	0.000	13230.000	22260.000	21950.000	69.955%	679.500
σ		1661.000	14.430	0.000	57.850	637.500	271.700	0.993%	3.609
%RSD		1.241	0.948	0.000	0.437	2.864	1.238	1.420	0.531

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:10:07	264.800	417.100	8407.000	524200.000	515800.000	239.200	452.900	622.000
2	01:10:50	263.600	418.600	8550.000	532700.000	521900.000	241.500	459.600	621.400
3	01:11:33	264.600	422.000	8592.000	533300.000	529400.000	242.400	463.700	628.000
x		264.300	419.200	8516.000	530100.000	522400.000	241.000	458.700	623.800
σ		0.689	2.472	97.140	5094.000	6822.000	1.679	5.452	3.649
%RSD		0.261	0.590	1.141	0.961	1.306	0.697	1.189	0.585

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:10:07	635.000	3225.000	3260.000	257.300	10.370	16.680	0.000	280.000
2	01:10:50	633.600	3264.000	3300.000	257.400	9.743	14.700	0.000	282.400
3	01:11:33	635.100	3282.000	3312.000	256.700	10.270	13.740	0.000	283.800
x		634.600	3257.000	3290.000	257.100	10.130	15.040	0.000	282.100
σ		0.849	28.870	27.290	0.406	0.338	1.501	0.000	1.923
%RSD		0.134	0.886	0.829	0.158	3.335	9.976	0.000	0.682

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:10:07	0.000	24.830	24.890	58.890%	2.307	2.135	13.970	12.480
2	01:10:50	0.000	24.490	24.140	59.007%	2.402	2.139	13.490	12.400
3	01:11:33	0.000	24.440	24.820	59.121%	2.317	2.135	13.460	12.540
x		0.000	24.590	24.610	59.006%	2.342	2.136	13.640	12.470
σ		0.000	0.210	0.414	0.115%	0.052	0.002	0.287	0.073
%RSD		0.000	0.856	1.681	0.195	2.241	0.103	2.104	0.584

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:10:07	61.329%	130.000	8.286	8.481	1548.000	1526.000	77.153%	76.036%
2	01:10:50	61.880%	129.700	8.390	8.660	1559.000	1543.000	78.094%	77.251%
3	01:11:33	62.161%	130.500	8.772	8.397	1547.000	1534.000	78.620%	77.490%
x		61.790%	130.100	8.483	8.513	1551.000	1534.000	77.956%	76.925%
σ		0.423%	0.384	0.256	0.134	6.606	8.348	0.743%	0.780%
%RSD		0.685	0.295	3.018	1.579	0.426	0.544	0.953	1.013

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:10:07	3.255	3.260	922.800	901.200	921.300	54.159%
2	01:10:50	3.330	3.321	926.500	909.100	925.300	55.332%
3	01:11:33	3.476	3.330	928.000	911.000	926.000	55.613%
x		3.354	3.303	925.800	907.100	924.200	55.035%
σ		0.113	0.038	2.673	5.166	2.512	0.772%
%RSD		3.357	1.159	0.289	0.570	0.272	1.402

CCV1-8 11/23/2010 1:16:40 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:23	63.825%	97.070	89.830	85.970	0.000	45420.000	47960.000	46740.000
2	01:18:06	62.743%	97.220	88.890	86.660	0.000	46410.000	49010.000	47580.000
3	01:18:49	61.791%	97.850	90.620	86.250	0.000	46540.000	49400.000	47520.000
x		62.786%	97.380%	89.780%	86.290%	0.000	92.253%	97.573%	94.566%
σ		1.018%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.621	0.425	0.966	0.405	0.000	1.329	1.527	0.988

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:23	481.200	4857.000	0.000	48570.000	47840.000	48570.000	55.587%	100.900
2	01:18:06	493.200	4879.000	0.000	48690.000	49630.000	48530.000	54.570%	97.050
3	01:18:49	488.400	4827.000	0.000	48800.000	49210.000	49000.000	54.066%	96.880
x		97.519%	97.084%	0.000	97.372%	97.788%	97.402%	54.741%	98.278%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.775%	n/a
%RSD		1.233	0.546	0.000	0.232	1.912	0.540	1.416	2.310

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:23	98.800	98.440	491.100	24270.000	24430.000	97.440	98.780	102.400
2	01:18:06	97.720	98.670	496.000	24570.000	24810.000	98.850	98.370	101.100
3	01:18:49	97.360	97.830	494.500	24390.000	24740.000	98.360	99.410	100.400
x		97.963%	98.313%	98.770%	97.636%	98.649%	98.218%	98.850%	101.305%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.765	0.440	0.505	0.611	0.813	0.728	0.530	1.011

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:23	102.200	105.000	101.200	103.200	100.400	106.400	0.000	97.900
2	01:18:06	102.200	103.800	103.700	102.100	99.970	103.500	0.000	98.020
3	01:18:49	102.600	102.500	102.800	102.400	98.000	99.640	0.000	97.400
x		102.335%	103.795%	102.585%	102.588%	99.469%	103.180%	0.000	97.773%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.203	1.226	1.234	0.576	1.297	3.293	0.000	0.340

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:23	56.171%	86.750	89.010	52.822%	99.220	97.660	98.050	95.600
2	01:18:06	56.587%	91.650	93.890	53.096%	100.000	98.290	99.430	97.200
3	01:18:49	57.359%	96.430	98.000	53.422%	98.630	97.310	97.180	95.180
x		56.706%	91.609%	93.634%	53.113%	99.288%	97.752%	98.219%	95.995%
σ		0.603%	n/a	n/a	0.300%	n/a	n/a	n/a	n/a
%RSD		1.064	5.281	4.810	0.565	0.702	0.505	1.153	1.110

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:23	56.039%	93.280	94.060	94.470	94.460	96.230	59.948%	60.511%
2	01:18:06	55.973%	94.270	96.930	97.340	95.950	95.790	61.102%	60.828%
3	01:18:49	56.818%	95.180	95.820	97.070	95.520	96.760	61.307%	61.731%
x		56.276%	94.240%	95.605%	96.292%	95.313%	96.261%	60.786%	61.023%
σ		0.470%	n/a	n/a	n/a	n/a	n/a	0.733%	0.633%
%RSD		0.835	1.009	1.515	1.649	0.805	0.503	1.205	1.037

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:17:23	105.200	105.500	105.700	106.200	106.400	57.709%
2	01:18:06	104.800	105.100	105.700	107.000	107.200	58.877%
3	01:18:49	104.400	104.500	105.200	107.100	106.600	59.920%
x		104.800%	105.049%	105.528%	106.800%	106.718%	58.835%
σ		n/a	n/a	n/a	n/a	n/a	1.106%
%RSD		0.367	0.501	0.249	0.451	0.367	1.879

CCB8 11/23/2010 1:23:57 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:24:40	91.628%	0.002	1.069	1.401	0.000	7.344	4.030	3.692
2	01:25:23	91.723%	0.002	1.989	1.317	0.000	7.467	3.848	3.234
3	01:26:06	91.563%	-0.022	1.749	1.341	0.000	6.525	4.088	3.577
x		91.638%	-0.006	1.602	1.353	0.000	7.112	3.989	3.501
σ		0.080%	0.014	0.477	0.043	0.000	0.512	0.125	0.238
%RSD		0.088	239.900	29.770	3.179	0.000	7.202	3.136	6.802

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:24:40	0.451	1.374	0.000	-7.362	3.097	18.120	81.363%	-0.138
2	01:25:23	0.306	1.100	0.000	-8.413	10.490	16.320	81.009%	-0.115
3	01:26:06	0.439	0.914	0.000	-10.060	12.710	20.540	82.011%	-0.184
x		0.399	1.130	0.000	-8.612	8.766	18.330	81.461%	-0.146
σ		0.080	0.231	0.000	1.362	5.033	2.116	0.508%	0.035
%RSD		20.130	20.450	0.000	15.810	57.420	11.540	0.624	23.960

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:24:40	0.288	0.102	0.125	11.740	11.990	0.001	-0.009	0.042
2	01:25:23	0.044	0.150	0.143	9.836	13.540	-0.001	-0.038	-0.028
3	01:26:06	-0.097	0.166	0.121	7.588	10.690	0.010	-0.021	0.058
x		0.078	0.139	0.129	9.720	12.070	0.003	-0.023	0.024
σ		0.195	0.033	0.012	2.077	1.423	0.006	0.014	0.046
%RSD		249.300	23.660	9.055	21.370	11.790	175.000	63.380	189.100

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:24:40	-0.135	-0.531	-0.288	-0.251	-1.460	-1.025	0.000	0.012
2	01:25:23	-0.126	-0.440	-0.449	0.087	-1.725	-0.310	0.000	0.007
3	01:26:06	-0.098	-0.542	-0.405	0.193	-1.400	0.034	0.000	0.005
x		-0.120	-0.504	-0.381	0.010	-1.528	-0.434	0.000	0.008
σ		0.019	0.056	0.084	0.232	0.173	0.540	0.000	0.004
%RSD		16.110	11.150	21.960	2420.000	11.310	124.600	0.000	48.060

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:24:40	84.524%	1.062	1.038	86.774%	-0.002	-0.004	-0.157	-0.105
2	01:25:23	85.599%	1.075	1.036	87.175%	0.000	0.002	-0.247	-0.163
3	01:26:06	85.085%	1.053	0.861	87.549%	-0.013	-0.002	-0.155	-0.079
x		85.069%	1.063	0.978	87.166%	-0.005	-0.001	-0.186	-0.116
σ		0.538%	0.011	0.102	0.387%	0.007	0.003	0.052	0.043
%RSD		0.632	1.021	10.380	0.445	142.300	253.600	28.140	37.390

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:24:40	83.832%	-0.707	0.162	0.121	-0.031	-0.015	84.744%	85.576%
2	01:25:23	85.256%	-0.678	0.123	0.151	-0.023	-0.030	86.435%	86.400%
3	01:26:06	84.930%	-0.722	0.089	0.089	-0.031	-0.030	86.095%	86.885%
x		84.673%	-0.703	0.125	0.120	-0.028	-0.025	85.758%	86.287%
σ		0.746%	0.023	0.036	0.031	0.004	0.008	0.894%	0.661%
%RSD		0.881	3.211	29.190	25.770	15.870	33.410	1.043	0.767

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:24:40	0.005	0.004	0.074	0.070	0.092	86.307%
2	01:25:23	0.010	0.004	0.067	0.073	0.079	87.660%
3	01:26:06	0.009	0.004	0.080	0.057	0.083	88.406%
x		0.008	0.004	0.074	0.067	0.084	87.458%
σ		0.003	0.000	0.007	0.008	0.007	1.064%
%RSD		35.230	7.033	9.294	12.630	7.846	1.216

L9FL1 11/23/2010 1:28:20 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:02	71.234%	17.750	39.150	39.710	0.000	2360.000	21590.000	21140.000
2	01:29:46	71.200%	17.330	40.750	38.650	0.000	2356.000	21930.000	21320.000
3	01:30:29	71.921%	16.560	38.050	38.880	0.000	2349.000	22120.000	21250.000
x		71.452%	17.210	39.320	39.080	0.000	2355.000	21880.000	21240.000
σ		0.407%	0.602	1.359	0.557	0.000	5.387	271.400	95.360
%RSD		0.569	3.499	3.456	1.426	0.000	0.229	1.240	0.449

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:02	128100.000	1228.000	0.000	12170.000	19730.000	19240.000	72.084%	582.600
2	01:29:46	129100.000	1231.000	0.000	12340.000	20260.000	19580.000	71.069%	588.400
3	01:30:29	128800.000	1232.000	0.000	12260.000	19830.000	19820.000	71.267%	589.700
x		128600.000	1230.000	0.000	12260.000	19940.000	19540.000	71.473%	586.900
σ		510.100	2.341	0.000	88.660	281.600	292.000	0.538%	3.809
%RSD		0.397	0.190	0.000	0.723	1.412	1.494	0.753	0.649

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:02	245.300	270.700	6501.000	461200.000	455800.000	222.000	416.000	596.400
2	01:29:46	250.800	272.700	6590.000	463600.000	459600.000	224.400	424.300	599.900
3	01:30:29	249.400	272.700	6590.000	464800.000	458800.000	223.400	420.300	601.900
x		248.500	272.000	6560.000	463200.000	458100.000	223.300	420.200	599.400
σ		2.882	1.154	51.490	1871.000	2004.000	1.215	4.147	2.778
%RSD		1.160	0.424	0.785	0.404	0.438	0.544	0.987	0.463

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:02	604.600	3008.000	3050.000	176.700	8.800	16.200	0.000	264.800
2	01:29:46	605.500	3055.000	3102.000	178.900	9.595	14.790	0.000	266.800
3	01:30:29	610.000	3079.000	3090.000	180.600	9.131	14.720	0.000	268.900
x		606.700	3047.000	3081.000	178.700	9.176	15.240	0.000	266.800
σ		2.893	36.320	26.930	1.948	0.400	0.837	0.000	2.037
%RSD		0.477	1.192	0.874	1.090	4.355	5.492	0.000	0.763

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:02	0.000	22.040	22.800	59.115%	2.525	2.448	13.540	12.700
2	01:29:46	0.000	22.940	23.680	59.639%	2.562	2.326	13.010	12.600
3	01:30:29	0.000	22.560	23.110	59.689%	2.575	2.466	13.780	12.860
x		0.000	22.510	23.190	59.481%	2.554	2.413	13.440	12.720
σ		0.000	0.454	0.445	0.318%	0.026	0.076	0.395	0.130
%RSD		0.000	2.018	1.917	0.535	1.023	3.152	2.938	1.019

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:02	61.532%	124.800	8.524	8.443	1422.000	1402.000	76.271%	74.803%
2	01:29:46	62.816%	125.100	8.430	8.501	1419.000	1401.000	78.043%	76.191%
3	01:30:29	62.551%	125.300	8.556	8.242	1436.000	1429.000	77.540%	76.982%
x		62.299%	125.100	8.504	8.395	1426.000	1411.000	77.285%	75.992%
σ		0.678%	0.237	0.066	0.136	8.896	15.590	0.913%	1.103%
%RSD		1.088	0.190	0.773	1.617	0.624	1.105	1.182	1.452

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:02	3.322	3.225	929.400	913.500	930.600	54.957%
2	01:29:46	3.235	3.207	935.700	919.400	934.800	56.387%
3	01:30:29	3.245	3.236	940.700	925.400	941.400	56.555%
x		3.267	3.223	935.300	919.400	935.600	55.966%
σ		0.047	0.015	5.651	5.935	5.420	0.878%
%RSD		1.451	0.458	0.604	0.645	0.579	1.568

L9FL3 11/23/2010 1:32:42 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:25	72.244%	16.060	37.140	36.640	0.000	2337.000	19360.000	18900.000
2	01:34:08	74.451%	15.210	34.990	35.640	0.000	2325.000	19280.000	18720.000
3	01:34:51	72.766%	15.570	37.580	36.530	0.000	2361.000	19600.000	19010.000
x		73.153%	15.620	36.570	36.270	0.000	2341.000	19420.000	18880.000
σ		1.154%	0.427	1.389	0.549	0.000	18.610	165.300	145.600
%RSD		1.577	2.737	3.798	1.513	0.000	0.795	0.851	0.771

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:25	109700.000	1558.000	0.000	10450.000	18440.000	17650.000	68.617%	648.700
2	01:34:08	108000.000	1532.000	0.000	10450.000	18400.000	17950.000	69.080%	649.700
3	01:34:51	110800.000	1565.000	0.000	10560.000	18050.000	17890.000	68.926%	663.700
x		109500.000	1552.000	0.000	10490.000	18300.000	17830.000	68.874%	654.000
σ		1378.000	17.790	0.000	61.790	215.600	155.100	0.236%	8.381
%RSD		1.258	1.146	0.000	0.589	1.178	0.870	0.343	1.281

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:25	222.400	256.500	6689.000	423800.000	421300.000	207.000	376.500	575.900
2	01:34:08	220.900	255.900	6759.000	427000.000	421400.000	207.000	381.700	577.700
3	01:34:51	227.700	256.100	6799.000	430700.000	424500.000	210.000	378.400	583.700
x		223.700	256.200	6749.000	427200.000	422400.000	208.000	378.900	579.100
σ		3.587	0.328	55.840	3467.000	1805.000	1.716	2.667	4.092
%RSD		1.604	0.128	0.827	0.812	0.427	0.825	0.704	0.707

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:25	584.100	2532.000	2554.000	176.200	8.681	13.710	0.000	249.200
2	01:34:08	580.700	2546.000	2575.000	176.500	9.163	15.500	0.000	250.600
3	01:34:51	591.100	2559.000	2579.000	178.500	9.292	14.630	0.000	253.400
x		585.300	2546.000	2569.000	177.000	9.046	14.610	0.000	251.000
σ		5.255	13.740	12.970	1.257	0.322	0.894	0.000	2.101
%RSD		0.898	0.540	0.505	0.710	3.560	6.120	0.000	0.837

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:25	0.000	20.910	20.680	58.090%	1.972	1.836	11.490	10.640
2	01:34:08	0.000	20.560	20.800	58.811%	1.952	1.894	11.170	10.430
3	01:34:51	0.000	21.340	20.700	58.749%	1.977	1.921	11.750	10.350
x		0.000	20.930	20.730	58.550%	1.967	1.884	11.470	10.470
σ		0.000	0.390	0.066	0.399%	0.013	0.044	0.294	0.151
%RSD		0.000	1.862	0.319	0.682	0.669	2.318	2.563	1.440

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:25	59.909%	135.100	6.949	6.845	1366.000	1357.000	73.562%	72.486%
2	01:34:08	61.319%	135.100	6.983	7.019	1370.000	1352.000	74.270%	73.820%
3	01:34:51	61.698%	134.500	6.906	6.786	1359.000	1357.000	75.412%	74.116%
x		60.975%	134.900	6.946	6.883	1365.000	1355.000	74.415%	73.474%
σ		0.942%	0.379	0.039	0.122	5.774	2.644	0.933%	0.868%
%RSD		1.546	0.281	0.555	1.765	0.423	0.195	1.254	1.182

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:25	2.792	2.744	795.200	774.400	791.500	53.221%
2	01:34:08	2.784	2.753	796.200	779.600	792.800	54.140%
3	01:34:51	2.817	2.910	801.300	782.800	797.000	54.492%
x		2.798	2.802	797.600	778.900	793.800	53.951%
σ		0.017	0.093	3.237	4.230	2.875	0.656%
%RSD		0.622	3.329	0.406	0.543	0.362	1.216

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:37:45	70.473%	14.790	42.500	41.630	0.000	2531.000	26460.000	25710.000
2	01:38:28	70.780%	13.120	44.660	39.650	0.000	2511.000	26370.000	25380.000
3	01:39:11	68.519%	14.700	41.930	41.510	0.000	2555.000	27260.000	26030.000
x		69.924%	14.200	43.030	40.930	0.000	2533.000	26700.000	25710.000
σ		1.226%	0.943	1.440	1.109	0.000	22.310	491.700	324.700
%RSD		1.753	6.636	3.345	2.710	0.000	0.881	1.842	1.263

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:37:45	121300.000	1334.000	0.000	14150.000	19140.000	18680.000	65.935%	712.300
2	01:38:28	119100.000	1295.000	0.000	13930.000	19150.000	18780.000	67.278%	707.300
3	01:39:11	120400.000	1314.000	0.000	14130.000	19150.000	18680.000	67.085%	706.200
x		120300.000	1314.000	0.000	14070.000	19150.000	18710.000	66.766%	708.600
σ		1136.000	19.610	0.000	122.600	8.788	55.210	0.726%	3.243
%RSD		0.944	1.492	0.000	0.871	0.046	0.295	1.088	0.458

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:37:45	251.100	214.200	5166.000	396300.000	388400.000	227.100	399.100	421.900
2	01:38:28	252.100	211.500	5117.000	391700.000	386500.000	223.900	389.200	421.500
3	01:39:11	250.900	211.000	5152.000	393000.000	390400.000	226.500	397.300	423.000
x		251.400	212.200	5145.000	393700.000	388400.000	225.800	395.200	422.200
σ		0.641	1.756	25.350	2356.000	1924.000	1.725	5.252	0.783
%RSD		0.255	0.828	0.493	0.598	0.495	0.764	1.329	0.186

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:37:45	424.600	2346.000	2386.000	148.800	8.012	11.790	0.000	340.600
2	01:38:28	428.900	2350.000	2375.000	148.300	7.792	12.620	0.000	341.400
3	01:39:11	430.900	2361.000	2386.000	149.200	8.228	13.810	0.000	341.400
x		428.200	2352.000	2382.000	148.800	8.011	12.740	0.000	341.100
σ		3.207	7.859	6.234	0.476	0.218	1.016	0.000	0.480
%RSD		0.749	0.334	0.262	0.320	2.717	7.979	0.000	0.141

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:37:45	0.000	22.370	22.290	56.944%	1.247	1.092	11.900	10.160
2	01:38:28	0.000	22.520	22.980	57.883%	1.258	1.132	11.970	10.850
3	01:39:11	0.000	22.700	22.690	57.987%	1.274	1.138	11.740	10.740
x		0.000	22.530	22.650	57.604%	1.260	1.121	11.870	10.590
σ		0.000	0.168	0.344	0.575%	0.013	0.025	0.120	0.370
%RSD		0.000	0.744	1.519	0.998	1.067	2.240	1.007	3.499

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:37:45	59.159%	100.300	4.478	4.333	1655.000	1644.000	74.136%	71.935%
2	01:38:28	59.858%	100.000	4.414	4.244	1671.000	1661.000	74.545%	73.806%
3	01:39:11	60.956%	99.300	4.300	4.312	1650.000	1636.000	76.073%	74.388%
x		59.991%	99.880	4.397	4.296	1659.000	1647.000	74.918%	73.377%
σ		0.906%	0.518	0.090	0.047	10.960	12.480	1.021%	1.282%
%RSD		1.510	0.519	2.052	1.089	0.660	0.758	1.363	1.747

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:37:45	2.683	2.795	615.400	602.100	614.300	52.912%
2	01:38:28	2.637	2.821	615.400	601.200	615.000	54.540%
3	01:39:11	2.766	2.781	617.600	600.000	616.200	54.864%
x		2.695	2.799	616.100	601.100	615.200	54.105%
σ		0.066	0.020	1.293	1.051	0.983	1.046%
%RSD		2.437	0.717	0.210	0.175	0.160	1.933

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:03	69.374%	12.950	19.750	20.010	0.000	818.500	26440.000	25860.000
2	01:42:46	71.107%	11.700	18.890	20.290	0.000	815.300	26470.000	25530.000
3	01:43:29	69.527%	12.140	19.570	19.850	0.000	816.700	26960.000	25870.000
x		70.003%	12.260	19.400	20.050	0.000	816.800	26620.000	25750.000
σ		0.960%	0.630	0.453	0.225	0.000	1.607	290.600	191.100
%RSD		1.371	5.142	2.334	1.121	0.000	0.197	1.091	0.742

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:03	133100.000	1465.000	0.000	11660.000	16120.000	15620.000	66.159%	435.500
2	01:42:46	131200.000	1445.000	0.000	11680.000	16020.000	15640.000	66.321%	455.100
3	01:43:29	133600.000	1473.000	0.000	11740.000	16160.000	15900.000	65.740%	451.900
x		132600.000	1461.000	0.000	11690.000	16100.000	15720.000	66.073%	447.500
σ		1241.000	14.120	0.000	44.030	72.040	157.300	0.300%	10.550
%RSD		0.935	0.966	0.000	0.377	0.448	1.001	0.454	2.357

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:03	251.300	195.100	7686.000	363800.000	357400.000	153.100	276.600	202.800
2	01:42:46	251.400	196.600	7835.000	364500.000	359700.000	153.200	273.800	203.600
3	01:43:29	252.600	198.200	7834.000	365100.000	360900.000	155.000	274.900	205.100
x		251.800	196.600	7785.000	364500.000	359300.000	153.800	275.100	203.800
σ		0.728	1.546	85.810	654.100	1739.000	1.041	1.386	1.148
%RSD		0.289	0.786	1.102	0.179	0.484	0.677	0.504	0.563

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:03	203.500	925.600	930.100	99.070	4.114	8.963	0.000	221.600
2	01:42:46	207.400	929.300	938.200	101.800	3.959	9.629	0.000	221.500
3	01:43:29	209.600	931.500	945.200	99.510	4.691	9.459	0.000	218.500
x		206.800	928.800	937.800	100.100	4.255	9.351	0.000	220.500
σ		3.087	2.963	7.581	1.485	0.385	0.346	0.000	1.803
%RSD		1.492	0.319	0.808	1.483	9.059	3.702	0.000	0.818

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:03	0.000	9.566	9.935	55.454%	0.489	0.447	3.069	2.775
2	01:42:46	0.000	9.936	9.465	55.991%	0.486	0.422	3.799	3.121
3	01:43:29	0.000	9.659	9.436	56.289%	0.582	0.447	3.561	2.987
x		0.000	9.720	9.612	55.911%	0.519	0.439	3.476	2.961
σ		0.000	0.192	0.280	0.423%	0.055	0.014	0.372	0.175
%RSD		0.000	1.977	2.912	0.757	10.540	3.268	10.710	5.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:03	57.846%	6.354	1.712	1.825	1527.000	1519.000	72.167%	70.471%
2	01:42:46	57.949%	6.368	1.806	1.877	1539.000	1530.000	73.655%	71.554%
3	01:43:29	57.899%	6.403	1.788	1.932	1551.000	1538.000	73.659%	71.936%
x		57.898%	6.375	1.769	1.878	1539.000	1529.000	73.160%	71.320%
σ		0.052%	0.025	0.050	0.054	12.330	9.593	0.860%	0.760%
%RSD		0.090	0.390	2.813	2.851	0.801	0.627	1.176	1.066

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:03	2.050	2.076	213.600	209.600	214.600	51.023%
2	01:42:46	2.047	2.104	214.400	209.300	215.200	51.752%
3	01:43:29	2.045	2.036	216.100	210.700	216.500	51.926%
x		2.047	2.072	214.700	209.900	215.500	51.567%
σ		0.003	0.034	1.299	0.731	0.935	0.479%
%RSD		0.126	1.643	0.605	0.348	0.434	0.929

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:46:22	69.997%	11.050	19.960	18.130	0.000	775.800	23700.000	23010.000
2	01:47:05	68.033%	11.060	18.440	17.060	0.000	785.500	24260.000	23510.000
3	01:47:48	68.105%	11.560	18.800	16.960	0.000	791.300	24410.000	23530.000
x		68.712%	11.220	19.070	17.380	0.000	784.200	24120.000	23350.000
σ		1.114%	0.291	0.794	0.651	0.000	7.851	374.700	293.000
%RSD		1.621	2.592	4.163	3.745	0.000	1.001	1.554	1.255

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:46:22	120800.000	1272.000	0.000	10890.000	15790.000	15440.000	64.511%	419.800
2	01:47:05	122200.000	1279.000	0.000	11090.000	16100.000	15700.000	63.376%	424.700
3	01:47:48	124000.000	1284.000	0.000	11040.000	16320.000	15690.000	63.079%	428.000
x		122300.000	1278.000	0.000	11010.000	16070.000	15610.000	63.655%	424.200
σ		1603.000	6.047	0.000	105.400	266.100	145.900	0.756%	4.109
%RSD		1.310	0.473	0.000	0.957	1.656	0.935	1.187	0.969

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:46:22	233.700	181.500	9001.000	329500.000	327200.000	140.000	249.900	181.100
2	01:47:05	238.600	184.600	9132.000	334800.000	329900.000	140.000	253.700	184.700
3	01:47:48	241.300	183.300	9269.000	336700.000	333700.000	141.500	250.100	187.000
x		237.900	183.100	9134.000	333700.000	330300.000	140.500	251.200	184.300
σ		3.818	1.547	133.800	3762.000	3225.000	0.864	2.148	2.994
%RSD		1.605	0.845	1.465	1.127	0.976	0.615	0.855	1.625

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:46:22	183.000	838.900	842.800	99.320	4.497	8.964	0.000	188.900
2	01:47:05	187.000	855.900	859.300	99.210	3.769	9.254	0.000	191.700
3	01:47:48	184.700	858.000	860.600	98.160	4.390	8.909	0.000	193.900
x		184.900	851.000	854.200	98.900	4.219	9.042	0.000	191.500
σ		2.023	10.470	9.933	0.640	0.393	0.186	0.000	2.507
%RSD		1.094	1.230	1.163	0.647	9.317	2.052	0.000	1.309

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:46:22	0.000	11.370	11.250	54.833%	0.412	0.408	3.316	2.738
2	01:47:05	0.000	10.750	11.390	55.508%	0.480	0.434	2.622	2.373
3	01:47:48	0.000	11.180	11.740	55.348%	0.435	0.377	3.000	2.664
x		0.000	11.100	11.460	55.230%	0.442	0.406	2.979	2.592
σ		0.000	0.316	0.251	0.352%	0.035	0.029	0.348	0.193
%RSD		0.000	2.851	2.192	0.638	7.859	7.043	11.670	7.442

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:46:22	56.375%	5.341	1.696	1.650	1429.000	1411.000	70.314%	68.855%
2	01:47:05	57.765%	5.357	1.702	1.831	1431.000	1409.000	72.343%	70.067%
3	01:47:48	57.804%	5.322	1.668	1.678	1438.000	1418.000	72.134%	70.881%
x		57.315%	5.340	1.689	1.720	1432.000	1413.000	71.597%	69.935%
σ		0.814%	0.017	0.018	0.098	5.062	4.835	1.116%	1.020%
%RSD		1.420	0.323	1.087	5.689	0.353	0.342	1.559	1.458

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:46:22	1.862	1.808	189.500	186.300	191.000	51.432%
2	01:47:05	1.873	1.902	190.800	187.600	191.500	52.395%
3	01:47:48	1.926	1.826	191.400	185.300	190.800	53.257%
x		1.887	1.845	190.600	186.400	191.100	52.361%
σ		0.034	0.050	0.972	1.118	0.340	0.913%
%RSD		1.822	2.702	0.510	0.600	0.178	1.744

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:42	68.161%	13.300	18.880	17.580	0.000	825.200	28960.000	27870.000
2	01:51:25	70.305%	13.000	17.610	18.030	0.000	810.600	28640.000	27890.000
3	01:52:08	69.088%	13.040	18.550	17.720	0.000	819.100	28810.000	27930.000
x		69.185%	13.110	18.350	17.780	0.000	818.300	28800.000	27900.000
σ		1.075%	0.159	0.658	0.231	0.000	7.307	160.400	29.010
%RSD		1.554	1.215	3.588	1.301	0.000	0.893	0.557	0.104

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:42	139300.000	1356.000	0.000	12000.000	19720.000	19470.000	63.666%	458.700
2	01:51:25	139000.000	1333.000	0.000	11970.000	19630.000	19600.000	63.931%	466.400
3	01:52:08	139800.000	1335.000	0.000	11910.000	20340.000	19510.000	63.313%	468.900
x		139400.000	1341.000	0.000	11960.000	19900.000	19520.000	63.637%	464.700
σ		450.000	12.900	0.000	46.110	386.100	65.670	0.310%	5.337
%RSD		0.323	0.962	0.000	0.386	1.941	0.336	0.487	1.149

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:42	265.400	206.500	11890.000	386300.000	381500.000	166.700	288.300	208.300
2	01:51:25	264.000	203.300	11750.000	383500.000	377700.000	164.000	285.300	206.900
3	01:52:08	265.100	208.200	11940.000	384500.000	380700.000	165.100	290.300	211.000
x		264.800	206.000	11860.000	384800.000	380000.000	165.200	288.000	208.700
σ		0.735	2.497	99.400	1372.000	1999.000	1.352	2.542	2.072
%RSD		0.277	1.212	0.838	0.356	0.526	0.818	0.883	0.993

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:42	211.800	960.000	966.900	113.300	4.358	10.880	0.000	216.200
2	01:51:25	213.700	957.000	967.900	112.600	4.688	10.730	0.000	215.700
3	01:52:08	213.500	965.600	975.400	112.800	4.532	10.050	0.000	217.400
x		213.000	960.900	970.100	112.900	4.526	10.550	0.000	216.400
σ		1.019	4.392	4.666	0.346	0.165	0.440	0.000	0.860
%RSD		0.479	0.457	0.481	0.307	3.644	4.167	0.000	0.397

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:42	0.000	12.050	12.280	53.290%	0.575	0.485	3.747	2.970
2	01:51:25	0.000	11.890	12.220	54.058%	0.542	0.402	3.387	2.855
3	01:52:08	0.000	12.260	12.750	53.963%	0.510	0.482	3.164	2.677
x		0.000	12.070	12.420	53.770%	0.542	0.456	3.433	2.834
σ		0.000	0.188	0.289	0.419%	0.033	0.047	0.294	0.147
%RSD		0.000	1.561	2.325	0.779	5.993	10.330	8.571	5.201

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:42	55.683%	5.712	1.824	1.796	1638.000	1617.000	70.798%	68.382%
2	01:51:25	55.893%	5.651	1.872	1.968	1644.000	1634.000	71.704%	70.094%
3	01:52:08	56.077%	5.925	2.000	1.867	1652.000	1639.000	71.274%	70.203%
x		55.884%	5.763	1.899	1.877	1645.000	1630.000	71.259%	69.560%
σ		0.197%	0.144	0.091	0.086	7.093	11.680	0.453%	1.021%
%RSD		0.352	2.495	4.808	4.605	0.431	0.716	0.636	1.468

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:50:42	2.215	2.104	216.700	213.400	218.500	49.591%
2	01:51:25	2.174	2.167	219.800	215.400	220.100	50.075%
3	01:52:08	2.146	2.186	218.300	213.800	219.000	50.319%
x		2.178	2.153	218.300	214.200	219.200	49.995%
σ		0.035	0.043	1.568	1.072	0.805	0.371%
%RSD		1.590	1.994	0.718	0.501	0.367	0.741

L9L03 11/23/2010 1:54:19 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:55:02	66.915%	0.045	190.400	186.200	0.000	72980.000	17720.000	17260.000
2	01:55:44	63.809%	0.095	195.000	185.300	0.000	74320.000	17910.000	17150.000
3	01:56:27	62.396%	-0.010	184.600	182.400	0.000	74350.000	17970.000	17240.000
x		64.373%	0.043	190.000	184.600	0.000	73880.000	17870.000	17220.000
σ		2.312%	0.052	5.210	2.012	0.000	787.800	130.200	58.940
%RSD		3.591	121.000	2.742	1.090	0.000	1.066	0.729	0.342

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:55:02	358.200	2721.000	0.000	7628.000	47410.000	48800.000	51.158%	11.820
2	01:55:44	357.900	2702.000	0.000	7731.000	47470.000	48630.000	50.612%	9.853
3	01:56:27	349.000	2629.000	0.000	7814.000	48520.000	49280.000	49.580%	9.873
x		355.000	2684.000	0.000	7724.000	47800.000	48900.000	50.450%	10.520
σ		5.238	48.720	0.000	92.850	625.800	337.500	0.801%	1.131
%RSD		1.475	1.815	0.000	1.202	1.309	0.690	1.588	10.750

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:55:02	1.900	5.090	26.890	571.100	819.300	0.551	5.584	7.135
2	01:55:44	1.070	5.015	26.750	513.800	737.900	0.573	5.692	6.713
3	01:56:27	1.251	4.738	26.830	503.900	721.700	0.498	5.358	6.992
x		1.407	4.948	26.830	529.600	759.600	0.541	5.545	6.947
σ		0.436	0.186	0.072	36.290	52.320	0.038	0.170	0.215
%RSD		31.000	3.749	0.270	6.852	6.888	7.112	3.069	3.091

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:55:02	7.338	26.050	25.850	2.854	0.542	2.655	0.000	207.200
2	01:55:44	6.710	26.570	25.200	3.374	-0.386	3.447	0.000	206.700
3	01:56:27	6.862	27.070	26.610	3.299	0.139	3.403	0.000	210.000
x		6.970	26.560	25.890	3.176	0.098	3.168	0.000	208.000
σ		0.327	0.508	0.707	0.281	0.465	0.445	0.000	1.775
%RSD		4.697	1.914	2.729	8.844	472.400	14.050	0.000	0.853

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:55:02	53.048%	7.830	7.328	50.274%	0.056	0.048	0.152	0.120
2	01:55:44	52.318%	7.082	7.659	50.012%	0.062	0.063	0.130	0.126
3	01:56:27	51.895%	7.445	7.445	50.614%	0.037	0.076	-0.007	0.102
x		52.420%	7.452	7.477	50.300%	0.052	0.063	0.092	0.116
σ		0.583%	0.374	0.168	0.302%	0.013	0.014	0.086	0.013
%RSD		1.112	5.021	2.243	0.600	25.290	22.310	93.510	10.780

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:55:02	51.852%	1.197	0.562	0.675	18.730	18.940	54.682%	54.714%
2	01:55:44	51.835%	1.152	0.625	0.599	18.940	18.910	56.050%	56.093%
3	01:56:27	52.507%	1.073	0.579	0.623	18.110	18.800	56.244%	56.454%
x		52.065%	1.141	0.589	0.632	18.590	18.880	55.658%	55.754%
σ		0.384%	0.063	0.033	0.039	0.431	0.073	0.851%	0.918%
%RSD		0.737	5.527	5.573	6.145	2.317	0.386	1.529	1.647

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:55:02	0.069	0.053	4.416	4.303	4.322	47.858%
2	01:55:44	0.050	0.037	4.229	4.219	4.278	48.947%
3	01:56:27	0.037	0.040	4.390	4.303	4.287	49.507%
x		0.052	0.043	4.345	4.275	4.295	48.771%
σ		0.016	0.009	0.101	0.048	0.023	0.839%
%RSD		30.320	19.730	2.328	1.128	0.544	1.720

CCV1-9 11/23/2010 2:02:16 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:02:59	64.797%	97.810	87.350	84.900	0.000	45280.000	47670.000	46370.000
2	02:03:42	62.200%	98.200	91.610	88.380	0.000	45970.000	48110.000	47160.000
3	02:04:25	61.606%	95.060	91.430	86.200	0.000	45890.000	48890.000	47120.000
x		62.868%	97.023%	90.131%	86.494%	0.000	91.425%	96.449%	93.771%
σ		1.697%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.699	1.765	2.676	2.035	0.000	0.815	1.287	0.947

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:02:59	486.100	4911.000	0.000	48340.000	48450.000	48080.000	54.572%	95.040
2	02:03:42	489.800	4940.000	0.000	48900.000	48230.000	48630.000	54.139%	100.400
3	02:04:25	495.300	4878.000	0.000	48390.000	48500.000	48650.000	54.196%	95.910
x		98.077%	98.196%	0.000	97.087%	96.784%	96.911%	54.302%	97.107%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.235%	n/a
%RSD		0.942	0.628	0.000	0.634	0.297	0.672	0.433	2.940

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:02:59	97.330	98.430	493.900	24380.000	24460.000	99.140	98.380	102.200
2	02:03:42	99.700	98.170	493.500	24270.000	24670.000	98.340	99.860	102.200
3	02:04:25	98.320	97.000	489.600	24140.000	24450.000	98.510	97.060	101.700
x		98.451%	97.869%	98.466%	97.047%	98.101%	98.661%	98.437%	102.036%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.207	0.778	0.483	0.498	0.495	0.427	1.424	0.251

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:02:59	104.400	103.000	103.100	103.300	100.300	99.390	0.000	99.820
2	02:03:42	102.100	104.200	100.200	104.400	102.200	103.300	0.000	99.400
3	02:04:25	102.200	103.800	100.800	102.300	99.560	100.600	0.000	99.440
x		102.874%	103.666%	101.371%	103.318%	100.672%	101.098%	0.000	99.556%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.274	0.574	1.543	1.019	1.348	1.988	0.000	0.232

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:02:59	53.915%	87.450	87.850	51.271%	100.100	99.400	99.190	97.600
2	02:03:42	54.516%	91.370	93.810	51.644%	99.090	98.680	98.960	97.900
3	02:04:25	54.684%	95.850	98.420	51.763%	99.700	98.660	98.480	95.430
x		54.371%	91.558%	93.360%	51.559%	99.622%	98.913%	98.877%	96.976%
σ		0.404%	n/a	n/a	0.256%	n/a	n/a	n/a	n/a
%RSD		0.744	4.587	5.676	0.497	0.504	0.424	0.366	1.385

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:02:59	53.308%	93.810	96.850	96.790	99.020	98.430	57.690%	57.409%
2	02:03:42	53.966%	96.210	98.470	98.470	98.390	98.350	58.256%	58.981%
3	02:04:25	54.912%	94.570	97.370	97.460	96.000	97.470	59.233%	59.447%
x		54.062%	94.862%	97.561%	97.573%	97.803%	98.083%	58.393%	58.612%
σ		0.806%	n/a	n/a	n/a	n/a	n/a	0.781%	1.068%
%RSD		1.492	1.296	0.846	0.870	1.625	0.542	1.337	1.822

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:02:59	104.500	104.800	105.400	106.300	106.200	56.349%
2	02:03:42	105.300	105.700	107.100	106.300	107.200	57.238%
3	02:04:25	104.400	105.300	106.100	106.400	106.800	58.435%
x		104.730%	105.260%	106.185%	106.315%	106.731%	57.341%
σ		n/a	n/a	n/a	n/a	n/a	1.047%
%RSD		0.484	0.433	0.782	0.070	0.480	1.825

CCB9 11/23/2010 2:10:16 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:10:59	92.670%	-0.006	1.132	1.283	0.000	1.938	3.519	3.821
2	02:11:42	91.344%	0.002	1.118	1.203	0.000	3.078	4.165	4.171
3	02:12:25	90.827%	-0.022	0.680	1.133	0.000	2.088	4.230	4.481
x		91.614%	-0.008	0.977	1.206	0.000	2.368	3.971	4.158
σ		0.951%	0.012	0.257	0.075	0.000	0.620	0.393	0.330
%RSD		1.038	144.900	26.270	6.218	0.000	26.160	9.905	7.937

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:10:59	0.509	0.391	0.000	-12.160	12.920	15.850	81.062%	-0.183
2	02:11:42	0.501	0.299	0.000	-11.350	0.793	11.160	79.817%	-0.159
3	02:12:25	0.744	-0.054	0.000	-11.540	10.580	14.380	80.594%	-0.183
x		0.585	0.212	0.000	-11.680	8.097	13.800	80.491%	-0.175
σ		0.138	0.235	0.000	0.426	6.432	2.402	0.629%	0.014
%RSD		23.650	110.900	0.000	3.650	79.440	17.410	0.781	7.822

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:10:59	0.127	0.193	0.162	4.125	6.612	-0.007	0.013	-0.116
2	02:11:42	0.192	0.161	0.146	2.865	6.595	0.009	0.019	-0.049
3	02:12:25	-0.240	0.168	0.161	1.124	44.000	-0.002	-0.021	-0.059
x		0.026	0.174	0.156	2.705	19.070	0.000	0.004	-0.074
σ		0.233	0.017	0.009	1.507	21.590	0.008	0.022	0.036
%RSD		886.000	9.737	5.706	55.710	113.200	4737.000	572.300	48.340

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:10:59	-0.117	-0.683	-0.482	-0.677	-1.770	-2.005	0.000	0.006
2	02:11:42	-0.079	-0.576	-0.404	0.111	-2.176	-1.091	0.000	0.006
3	02:12:25	-0.151	-0.606	-0.518	-0.309	-2.474	-1.422	0.000	0.015
x		-0.116	-0.622	-0.468	-0.292	-2.140	-1.506	0.000	0.009
σ		0.036	0.055	0.058	0.394	0.353	0.463	0.000	0.005
%RSD		30.820	8.904	12.500	135.100	16.510	30.720	0.000	57.470

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:10:59	86.839%	0.696	0.684	82.484%	0.008	-0.006	-0.207	-0.123
2	02:11:42	88.027%	0.681	0.575	83.627%	-0.004	-0.009	-0.224	-0.132
3	02:12:25	88.318%	0.510	0.571	84.289%	0.000	-0.004	-0.197	-0.109
x		87.728%	0.629	0.610	83.467%	0.001	-0.006	-0.209	-0.121
σ		0.784%	0.103	0.064	0.913%	0.006	0.002	0.014	0.011
%RSD		0.893	16.440	10.500	1.094	443.000	37.300	6.629	9.440

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:10:59	86.937%	-0.765	0.091	0.108	-0.047	-0.006	80.461%	81.016%
2	02:11:42	88.145%	-0.722	0.071	0.076	-0.031	-0.002	82.935%	82.491%
3	02:12:25	88.695%	-0.809	0.059	0.076	-0.016	-0.030	84.566%	84.075%
x		87.926%	-0.765	0.074	0.087	-0.031	-0.012	82.654%	82.527%
σ		0.900%	0.044	0.017	0.018	0.016	0.015	2.067%	1.530%
%RSD		1.023	5.689	22.420	20.980	50.460	121.900	2.501	1.854

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:10:59	0.003	0.002	0.037	0.040	0.054	82.563%
2	02:11:42	-0.005	0.000	0.037	0.049	0.056	84.792%
3	02:12:25	-0.003	0.004	0.046	0.044	0.050	86.093%
x		-0.002	0.002	0.040	0.044	0.053	84.482%
σ		0.004	0.002	0.005	0.004	0.003	1.785%
%RSD		248.900	92.170	13.260	9.413	6.079	2.113

11-27-10

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	PERFORMANCE REPORT	Instrument Setup	1.000	1	1	1	155
2	STD1 MET6338-10 INT STD	Blank	1.000	0	1	1	155
3	STD2X MET5569-10	Fully Quant Standard	1.000	0	1	2	155
4	STD3X MET5570-10	Fully Quant Standard	1.000	0	1	3	155
5	ICV1 MET5571-10	QC Sample	1.000	0	1	5	155
6	ICB1	QC Sample	1.000	0	1	9	155
7	CRI MET5572-10	QC Sample	1.000	0	1	6	155
8	ICSA MET5573-10	QC Sample	1.000	0	1	7	155
9	ICSAB MET5574-10	QC Sample	1.000	0	1	8	155
10	CCV1-1 MET5575-10	QC Sample	1.000	0	1	4	155
11	CCB1	QC Sample	1.000	0	1	9	155
12	L9X16	Unknown	1.000	1	1	2	155
13	MAA10B	Unknown	1.000	1	1	3	155
14	L9HH6/10	Unknown	1.000	1	1	4	155
15	L9HJC/10	Unknown	1.000	1	1	5	155
16	L9HJD/10	Unknown	1.000	1	1	6	155
17	L9HJF/10	Unknown	1.000	1	1	7	155
18	L9L1E/10	Unknown	1.000	1	1	8	155
19	L937WBF	Unknown	1.000	1	1	9	155
20	L937WCF	Unknown	1.000	1	1	10	155
21	L9WWQF	Unknown	1.000	1	1	11	155
22	CCV1-2	QC Sample	1.000	0	1	4	155
23	CCB2	QC Sample	1.000	0	1	9	155
24	L9WW6F	Unknown	1.000	1	1	12	155
25	L9WXPF	Unknown	1.000	1	2	1	155
26	L9WXPP5F	Unknown	1.000	1	2	2	155
27	L9WXPSF	Unknown	1.000	1	2	3	155
28	L9WXPDF	Unknown	1.000	1	2	4	155
29	L9WX6F	Unknown	1.000	1	2	5	155
30	L9WX7F	Unknown	1.000	1	2	6	155
31	L9WX9F	Unknown	1.000	1	2	7	155
32	L90VLF	Unknown	1.000	1	2	8	155
33	L90V1F	Unknown	1.000	1	2	9	155
34	CCV1-3	QC Sample	1.000	0	1	4	155
35	CCB3	QC Sample	1.000	0	1	9	155
36	L90V3F	Unknown	1.000	1	2	10	155
37	L91EQF	Unknown	1.000	1	2	11	155
38	L912MF	Unknown	1.000	1	2	12	155
39	L912PF	Unknown	1.000	1	3	1	155
40	L912WF	Unknown	1.000	1	3	2	155
41	L9122F	Unknown	1.000	1	3	3	155
42	L9373B	Unknown	1.000	1	3	4	155
43	L9373C	Unknown	1.000	1	3	5	155
44	L9WWQ	Unknown	1.000	1	3	6	155
45	L9WW6	Unknown	1.000	1	3	7	155
46	CCV1-4	QC Sample	1.000	0	1	4	155
47	CCB4	QC Sample	1.000	0	1	9	155
48	L9WXP	Unknown	1.000	1	3	8	155
49	L9WXPP5	Unknown	1.000	1	3	9	155
50	L9WXPS	Unknown	1.000	1	3	10	155
51	L9WXPD	Unknown	1.000	1	3	11	155
52	L9WX6	Unknown	1.000	1	3	12	155
53	L9WX7	Unknown	1.000	1	4	1	155
54	L9WX9	Unknown	1.000	1	4	2	155
55	L90VL	Unknown	1.000	1	4	3	155
56	L90V1	Unknown	1.000	1	4	4	155
57	L90V3	Unknown	1.000	1	4	5	155
58	CCV1-5	QC Sample	1.000	0	1	4	155
59	CCB5	QC Sample	1.000	0	1	9	155
60	L91D8	Unknown	1.000	1	4	6	155
61	L91E4	Unknown	1.000	1	4	7	155
62	L912D	Unknown	1.000	1	4	8	155
63	L912L	Unknown	1.000	1	4	9	155
64	L912X	Unknown	1.000	1	4	10	155
65	L9126	Unknown	1.000	1	4	11	155
66	L9128	Unknown	1.000	1	4	12	155
67	L9X0QBF	Unknown	1.000	1	5	1	155

68	L9X0QCF	Unknown	1.000	1	5	2	155
69	L9TLLF	Unknown	1.000	1	5	3	155
70	CCV1-6	QC Sample	1.000	0	1	4	155
71	CCB6	QC Sample	1.000	0	1	9	155
72	L9TLLP5F	Unknown	1.000	1	5	4	155
73	L9TLLSF	Unknown	1.000	1	5	5	155
74	L9TLLDF	Unknown	1.000	1	5	6	155
75	L9TLPF	Unknown	1.000	1	5	7	155
76	L9TLPF/10	Unknown	1.000	1	5	8	155
77	L9TLRF	Unknown	1.000	1	5	9	155
78	L9TLRF/10	Unknown	1.000	1	5	10	155
79	L9TL2F	Unknown	1.000	1	5	11	155
80	L9TL4F	Unknown	1.000	1	5	12	155
81	L9TL5F	Unknown	1.000	2	1	1	155
82	CCV1-7	QC Sample	1.000	0	1	4	155
83	CCB7	QC Sample	1.000	0	1	9	155
84	L9TL8F	Unknown	1.000	2	1	2	155
85	L9W00F	Unknown	1.000	2	1	3	155
86	L9W1EF	Unknown	1.000	2	1	4	155
87	L9X0TB	Unknown	1.000	2	1	5	155
88	L9X0TC	Unknown	1.000	2	1	6	155
89	L9TLL	Unknown	1.000	2	1	7	155
90	L9TLLP5	Unknown	1.000	2	1	8	155
91	L9TLLS	Unknown	1.000	2	1	9	155
92	L9TLLD	Unknown	1.000	2	1	10	155
93	L9TLP	Unknown	1.000	2	1	11	155
94	CCV1-8	QC Sample	1.000	0	1	4	155
95	CCB8	QC Sample	1.000	0	1	9	155
96	L9TLP/10	Unknown	1.000	2	1	12	155
97	L9TLR	Unknown	1.000	2	2	1	155
98	L9TLR/10	Unknown	1.000	2	2	2	155
99	L9TL2	Unknown	1.000	2	2	3	155
100	L9TL4	Unknown	1.000	2	2	4	155
101	L99WTF	Unknown	1.000	2	2	5	155
102	L99WTP5F	Unknown	1.000	2	2	6	155
103	L99WTSF	Unknown	1.000	2	2	7	155
104	L99WTDF	Unknown	1.000	2	2	8	155
105	L99WVF	Unknown	1.000	2	2	9	155
106	CCV1-9	QC Sample	1.000	0	1	4	155
107	CCB9	QC Sample	1.000	0	1	9	155
108	L99WWF	Unknown	1.000	2	2	10	155
109	L99WXF	Unknown	1.000	2	2	11	155
110	L99W1F	Unknown	1.000	2	2	12	155
111	L99W2F	Unknown	1.000	2	3	1	155
112	L99VWF	Unknown	1.000	2	3	2	155
113	L99VXF	Unknown	1.000	2	3	3	155
114	L99V0F	Unknown	1.000	2	3	4	155
115	L99V1F	Unknown	1.000	2	3	5	155
116	L99V2F	Unknown	1.000	2	3	6	155
117	L99V3F	Unknown	1.000	2	3	7	155
118	CCV1-10	QC Sample	1.000	0	1	4	155
119	CCB10	QC Sample	1.000	0	1	9	155
120	L99V4F	Unknown	1.000	2	3	8	155
121	L99V5F	Unknown	1.000	2	3	9	155
122	L99WHF	Unknown	1.000	2	3	10	155
123	L99WJF	Unknown	1.000	2	3	11	155
124	L99WKF	Unknown	1.000	2	3	12	155
125	L99WLF	Unknown	1.000	2	4	1	155
126	CCV1-11	QC Sample	1.000	0	1	4	155
127	CCB11	QC Sample	1.000	0	1	9	155

Dilution Corrected Concentrations

STD1 MET6338-10 INT STD 11/23/2010 8:14:15 PM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		0.000	-0.000

STD2X MET5569-10 11/23/2010 8:18:31 PM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		100000.000	200.000

STD3X MET5570-10 11/23/2010 8:22:48 PM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		38.830	1.185

ICV1 MET5571-10 11/23/2010 8:27:06 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		99.811%	105.048%

ICB1 11/23/2010 8:34:21 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		-29.880	-0.619

CRI MET5572-10 11/23/2010 8:38:42 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		71.310%	88.670%

ICSA MET5573-10 11/23/2010 8:43:02 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		97990.000	11.670

ICSAB MET5574-10 11/23/2010 8:47:23 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		105.605%	116.025%

CCV1-1 MET5575-10 11/23/2010 8:54:36 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		95.665%	95.976%

CCB1 11/23/2010 9:01:50 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		-30.850	-0.649

L9X16 11/23/2010 9:06:09 PM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		1625.000	0.731

MAA10B 11/23/2010 9:10:25 PM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		-32.100	-0.503

L9HH6/10 11/23/2010 9:14:42 PM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		279.100	2702.000

L9HJC/10 11/23/2010 9:18:59 PM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		264.800	2799.000

L9HJD/10 11/23/2010 9:23:17 PM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		301.300	3836.000

L9HJF/10 11/23/2010 9:27:35 PM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		279.800	3923.000

L9L1E/10 11/23/2010 9:31:53 PM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		450.500	3854.000

L937WBF 11/23/2010 9:39:48 PM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		-34.080	-0.430

L937WCF 11/23/2010 9:44:07 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		45690.000	486.600

L9WWQF 11/23/2010 9:52:45 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		49380.000	13.140

CCV1-2 11/23/2010 9:59:57 PM QC Status: PASS (Initial: PASS)
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		97.095%	100.707%

CCB2 11/23/2010 10:07:11 PM QC Status: PASS (Initial: PASS)
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		-35.400	-0.532

L9WW6F 11/23/2010 10:11:32 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		51010.000	21.760

L9WXPF 11/23/2010 10:15:50 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		23800.000	5.799

L9WXPP5F 11/23/2010 10:20:06 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		4772.000	0.911

L9WXPSF 11/23/2010 10:24:24 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		70420.000	493.600

L9WXPDF 11/23/2010 10:28:41 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		72770.000	502.400

L9WX6F 11/23/2010 10:37:18 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		23700.000	25.270

L9WX7F 11/23/2010 10:41:36 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		427100.000	11.530

L9WX9F 11/23/2010 10:45:54 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		11830.000	4.321

L90VLF 11/23/2010 10:50:13 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		7904.000	9.485

L90V1F 11/23/2010 10:54:32 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		12880.000	3.322

CCV1-3 11/23/2010 11:01:45 PM QC Status: PASS (Initial: PASS)
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		95.803%	99.012%

CCB3 11/23/2010 11:08:59 PM QC Status: PASS (Initial: PASS)
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		-33.160	-0.563

L90V3F 11/23/2010 11:13:20 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		13160.000	3.189

L91EQF 11/23/2010 11:17:39 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		41360.000	6.354

L912MF 11/23/2010 11:22:00 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		47650.000	2.150

L912PF 11/23/2010 11:26:18 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		12950.000	97.200

L912WF 11/23/2010 11:30:35 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		46650.000	2.920

L9122F 11/23/2010 11:34:52 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		13480.000	6.582

L9373B 11/23/2010 11:42:04 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		-35.390	-0.460

L9373C 11/23/2010 11:46:22 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		46250.000	490.700

L9WWQ 11/23/2010 11:55:00 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		43420.000	67.640

L9WW6 11/23/2010 11:59:18 PM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		51150.000	96.770

CCV1-4 11/24/2010 12:06:31 AM QC Status: PASS (Initial: PASS)
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		95.124%	98.434%

CCB4 11/24/2010 12:13:45 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		-36.570	-0.532

L9WXP 11/24/2010 12:18:06 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		22820.000	3.449

L9WXPP5 11/24/2010 12:22:26 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		4562.000	0.334

L9WXPS 11/24/2010 12:26:46 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		75820.000	488.100

L9WXPD 11/24/2010 12:31:06 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		69290.000	497.000

L9WX6 11/24/2010 12:39:47 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		23520.000	24.510

L9WX7 11/24/2010 12:44:06 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		426000.000	20.540

L9WX9 11/24/2010 12:48:23 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		10950.000	22.160

L90VL 11/24/2010 12:52:41 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		7353.000	6.098

L90V1 11/24/2010 12:56:59 AM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		12150.000	2.415

L90V3 11/24/2010 1:01:17 AM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		12700.000	4.534

CCV1-5 11/24/2010 1:08:29 AM QC Status: PASS (Initial: PASS)
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		94.690%	98.578%

CCB5 11/24/2010 1:15:44 AM QC Status: PASS (Initial: PASS)
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		-41.510	-0.600

L91D8 11/24/2010 1:20:04 AM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		46780.000	15.980

L91E4 11/24/2010 1:24:24 AM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		17370.000	9.769

L912D 11/24/2010 1:28:43 AM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		35410.000	7.102

L912L 11/24/2010 1:33:03 AM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		12350.000	162.300

L912X 11/24/2010 1:37:23 AM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		-40.440	1.490

L9126 11/24/2010 1:41:44 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		5856.000	8.579

L9128 11/24/2010 1:46:04 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		-43.510	2.667

L9X0QBF 11/24/2010 1:53:19 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		-48.240	-0.544

L9X0QCF 11/24/2010 1:57:36 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		44770.000	503.700

L9TLLF 11/24/2010 2:01:55 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		4412.000	3.779

CCV1-6 11/24/2010 2:09:07 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		95.149%	101.544%

CCB6 11/24/2010 2:16:22 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		-41.360	-0.589

L9TLLP5F 11/24/2010 2:20:42 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		824.900	0.473

L9TLLSF 11/24/2010 2:25:00 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		62270.000	505.800

L9TLLDF 11/24/2010 2:29:20 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		51150.000	506.700

L9TLPF 11/24/2010 2:33:39 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		7763.000	9686.000

L9TLPF/10 11/24/2010 2:37:58 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		697.600	974.400

L9TLRF 11/24/2010 2:42:19 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		24320.000	22330.000

L9TLRF/10 11/24/2010 2:46:39 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		2349.000	2340.000

L9TL2F 11/24/2010 2:50:59 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		3818.000	344.400

L9TL4F 11/24/2010 2:55:21 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		3710.000	76.670

L9TL5F 11/24/2010 2:59:41 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		2823.000	10200.000

CCV1-7 11/24/2010 3:06:53 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		94.367%	100.676%

CCB7 11/24/2010 3:14:09 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		-48.580	-0.416

L9TL8F 11/24/2010 3:18:29 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		2805.000	37670.000

L9W00F 11/24/2010 3:22:48 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		56730.000	5.603

L9W1EF 11/24/2010 3:27:08 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		76360.000	8.267

L9X0TB 11/24/2010 3:34:22 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		-51.160	-0.391

L9X0TC 11/24/2010 3:38:42 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		45650.000	480.300

L9TLL 11/24/2010 3:43:02 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		4272.000	16.310

L9TLLP5 11/24/2010 3:47:23 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		780.500	2.881

L9TLLS 11/24/2010 3:51:43 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		50200.000	484.200

L9TLLD 11/24/2010 3:56:04 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		50210.000	500.200

L9TLP 11/24/2010 4:00:26 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		7222.000	8912.000

CCV1-8 11/24/2010 4:07:40 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		93.477%	100.240%

CCB8 11/24/2010 4:14:55 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		-45.520	-0.439

L9TLP/10 11/24/2010 4:19:17 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		689.200	913.600

L9TLR 11/24/2010 4:23:37 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		24010.000	21470.000

L9TLR/10 11/24/2010 4:27:55 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		2394.000	2316.000

L9TL2 11/24/2010 4:32:14 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		3684.000	323.500

L9TL4 11/24/2010 4:36:33 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		3692.000	91.270

L99WTF 11/24/2010 4:43:47 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		10340.000	1.790

L99WTP5F 11/24/2010 4:48:07 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		1932.000	-0.214

L99WTSF 11/24/2010 4:52:27 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		9911.000	549.300

L99WTDF 11/24/2010 4:56:48 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		9905.000	564.000

L99WVF 11/24/2010 5:04:47 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		9996.000	-0.057

CCV1-9 11/24/2010 5:12:01 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		94.859%	100.444%

CCB9 11/24/2010 5:19:16 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		-41.970	-0.461

L99WWF 11/24/2010 5:23:39 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		10080.000	0.520

L99WXF 11/24/2010 5:28:00 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		9974.000	0.594

L99W1F 11/24/2010 5:32:22 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		9963.000	6.454

L99W2F 11/24/2010 5:36:42 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		10120.000	0.758

L99VWF 11/24/2010 5:41:01 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		9942.000	-0.196

L99VXF 11/24/2010 5:45:20 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		9911.000	0.305

L99V0F 11/24/2010 5:49:39 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		10900.000	0.018

L99V1F 11/24/2010 5:53:59 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		10650.000	0.113

L99V2F 11/24/2010 5:58:20 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		9967.000	2.734

L99V3F 11/24/2010 6:02:41 AM

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		10090.000	1.941

CCV1-10 11/24/2010 6:09:55 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		94.851%	102.460%

CCB10 11/24/2010 6:17:11 AM QC Status: PASS (Initial: PASS)
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		-45.540	-0.560

L99V4F 11/24/2010 6:21:33 AM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		10110.000	3.327

L99V5F 11/24/2010 6:25:54 AM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		10080.000	0.882

L99WHF 11/24/2010 6:30:16 AM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		10070.000	0.152

L99WJF 11/24/2010 6:34:38 AM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		10190.000	2.705

L99WKF 11/24/2010 6:39:00 AM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		10180.000	2.924

L99WLF 11/24/2010 6:43:21 AM
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		10240.000	3.111

CCV1-11 11/24/2010 6:50:34 AM QC Status: PASS (Initial: PASS)
User Pre-dilution: 1.000

Run	Time	23Na	66Zn
		ppb	ppb
x		95.425%	101.671%

CCB11 11/24/2010 6:57:51 AM QC Status: PASS (Initial: PASS)
User Pre-dilution: 1.000

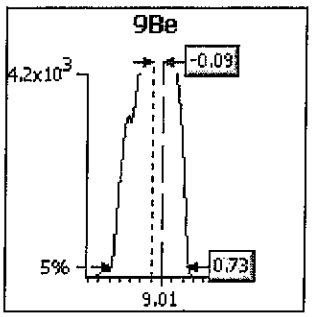
Run	Time	23Na	66Zn
		ppb	ppb
x		-43.530	-0.528

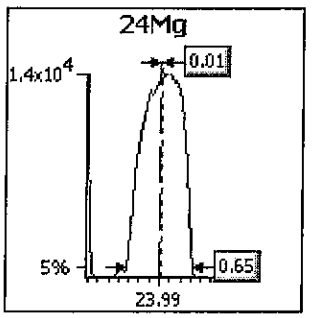
Performance Report

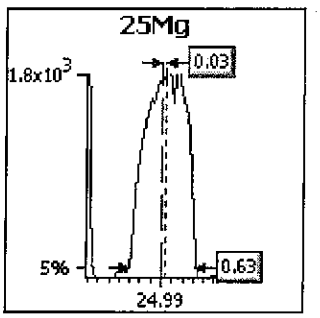
Sample details
Sample name : PERFORMANCE REPORT
Acquired at : 11/23/2010 7:55:46 PM
Report name : EPA ILMO5.2/6020A 2.1 [9/26/2009 3:21:00 PM]

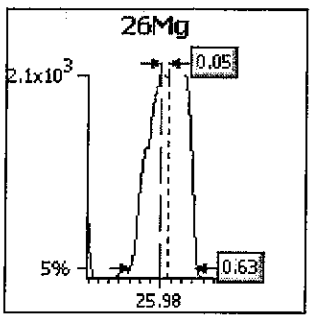
Mass Calibration verification

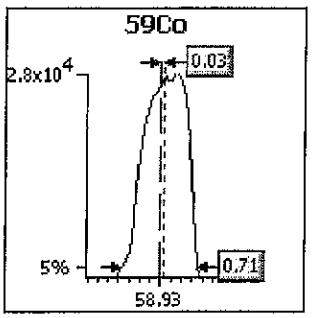
Acquisition parameters
Sweeps : 25
Dwell : 2.0 mSecs
Point spacing : 0.02 amu
Peak width measured at 5% of the peak maximum

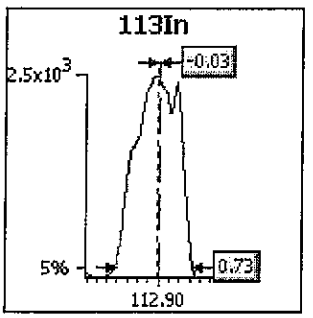


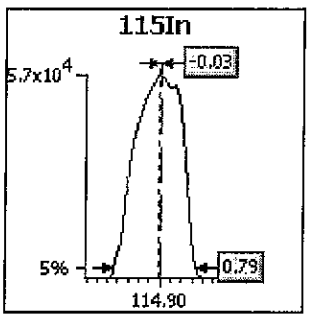


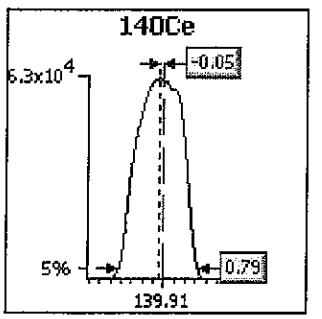


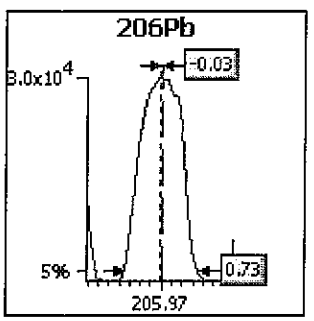


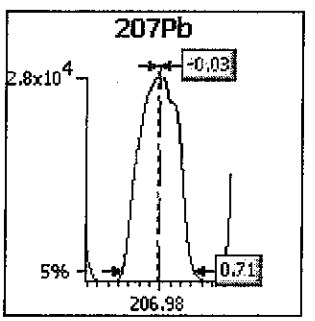


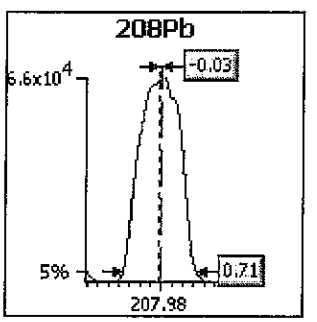












Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.90	0.45	0.10	0.73	-0.09
24Mg	0.90	0.45	0.10	0.65	0.01
25Mg	0.90	0.45	0.10	0.63	0.03
26Mg	0.90	0.45	0.10	0.63	0.05
59Co	0.90	0.45	0.10	0.71	0.03
113In	0.90	0.45	0.10	0.73	-0.03
115In	0.90	0.45	0.10	0.79	-0.03
140Ce	0.90	0.45	0.10	0.79	-0.05
206Pb	0.90	0.45	0.10	0.73	-0.03
207Pb	0.90	0.45	0.10	0.71	-0.03
208Pb	0.90	0.45	0.10	0.71	-0.03

Sample details
Sample name : PERFORMANCE REPORT
Acquired at : 11/23/2010 7:55:46 PM
Report name : EPA ILMO5.2/6020A 2.1 [9/26/2009 3:21:00 PM]

Tune conditions

Major	
Extraction	-161
Lens 1	2.9
Focus	24.3
D1	-36.9
Pole Bias	2.0
Hexapole Bias	-4.0
Nebuliser	0.72
Sampling Depth	150

Minor	
Lens 2	-25.9
Lens 3	-187.5
Forward power	1349
Horizontal	103
Vertical	302
D2	-151
DA	-54.1
Cool	15.0
Auxiliary	0.80

Global	
Standard resolution	n/a
High resolution	n/a
Analogue Detector	n/a
PC Detector	n/a

Add. Gases	
He/H2	0.00
He/NH3	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 150

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	56Ar O	59Co	137Ba++
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	-	5.0%	-
	Countrate	-	>1000	>1000	>1000	>1000	-	>10000	-
1	7:56:34 PM	0	4181	13294	1804	2065	62761	27730	2
2	7:57:59 PM	0	4137	13712	1867	2130	55969	27630	1
3	7:59:24 PM	0	4105	13694	1888	2272	54126	28070	1
4	8:00:49 PM	0	4169	13868	1921	2236	52727	28426	1
5	8:02:14 PM	0	4234	13729	1898	2179	52319	27783	0
x		0	4165	13659	1876	2177	55581	27928	1
σ		0.08	48.62	215.51	44.60	82.46	4260.56	322.87	0.76
%RSD		71.261	1.167	1.578	2.378	3.788	7.666	1.156	81.441

Run	Time	138Ba++	101Bkg	113In	115In	138Ba	140Ce	156Ce O	206Pb
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	-	5.0%	5.0%	-	5.0%	-	5.0%
	Countrate	-	-	>200	>10000	-	>10000	-	>1000
1	7:56:34 PM	26	0	2557	55803	343	63036	827	31918
2	7:57:59 PM	28	0	2472	56619	297	64124	850	32265
3	7:59:24 PM	24	0	2587	57104	331	64886	863	33196
4	8:00:49 PM	36	0	2528	57397	327	65353	857	32994
5	8:02:14 PM	32	0	2486	57168	331	64784	845	32620
x		29	0	2526	56818	326	64437	849	32599
σ		4.65	0.07	47.80	634.31	17.45	897.60	13.76	521.50
%RSD		16.012	34.233	1.893	1.116	5.355	1.393	1.622	1.600

Run	Time	207Pb	208Pb	220Bkg
Dwell (mSecs)		0.0	0.0	0.0
Limits	%RSD	5.0%	5.0%	-
	Countrate	>1000	>5000	<100
1	7:56:34 PM	28317	68170	0
2	7:57:59 PM	28759	69823	0
3	7:59:24 PM	29168	71089	0
4	8:00:49 PM	29253	70744	0
5	8:02:14 PM	28638	69726	0
x		28827	69910	0
σ		386.87	1135.43	0.14
%RSD		1.342	1.624	60.990

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0500
1	7:56:34 PM	0
2	7:57:59 PM	0

Dilution Corrected Concentrations

STD1 MET6338-10 INT STD 11/23/2010 8:14:15 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:58	99.192%	-0.006	0.166	0.016	0.000	2.065	0.021	-0.378
2	20:15:41	99.965%	0.020	-0.191	0.040	0.000	0.076	0.158	0.133
3	20:16:24	100.843%	-0.014	0.025	-0.056	0.000	-2.141	-0.179	0.246
x		100.000%	-0.000	-0.000	-0.000	0.000	0.000	0.000	0.000
σ		0.826%	0.018	0.180	0.050	0.000	2.104	0.170	0.332
%RSD		0.826	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:58	0.040	0.917	0.000	0.489	-1.784	0.597	100.330%	0.056
2	20:15:41	-0.081	-0.257	0.000	-0.689	-1.770	-1.406	100.005%	0.057
3	20:16:24	0.042	-0.660	0.000	0.199	3.555	0.809	99.665%	-0.113
x		-0.000	-0.000	0.000	0.000	-0.000	-0.000	100.000%	0.000
σ		0.071	0.819	0.000	0.614	3.078	1.222	0.333%	0.098
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.333	0.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:58	-0.233	-0.041	-0.005	0.707	2.938	0.001	-0.021	0.028
2	20:15:41	-0.127	0.018	0.002	-0.178	-1.654	-0.000	0.030	-0.029
3	20:16:24	0.360	0.023	0.003	-0.528	-1.284	-0.000	-0.009	0.001
x		0.000	-0.000	0.000	0.000	0.000	0.000	0.000	0.000
σ		0.317	0.036	0.004	0.636	2.551	0.001	0.026	0.028
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:58	0.001	0.045	-0.000	0.018	-0.059	-0.454	0.000	0.006
2	20:15:41	-0.001	0.000	-0.095	-0.096	0.003	0.159	0.000	-0.002
3	20:16:24	-0.000	-0.046	0.096	0.078	0.057	0.295	0.000	-0.003
x		0.000	-0.000	-0.000	0.000	0.000	-0.000	0.000	-0.000
σ		0.001	0.046	0.095	0.089	0.058	0.399	0.000	0.005
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:58	98.913%	0.011	0.018	99.308%	0.002	-0.005	-0.003	-0.006
2	20:15:41	100.545%	-0.020	-0.009	100.043%	-0.003	-0.000	0.044	0.023
3	20:16:24	100.542%	0.009	-0.009	100.649%	0.001	0.005	-0.041	-0.017
x		100.000%	0.000	-0.000	100.000%	-0.000	0.000	0.000	0.000
σ		0.941%	0.017	0.016	0.671%	0.003	0.005	0.043	0.021
%RSD		0.941	0.000	0.000	0.671	0.000	0.000	0.000	0.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:58	98.932%	0.012	0.011	0.011	0.007	-0.011	99.122%	98.264%
2	20:15:41	100.342%	-0.021	-0.004	-0.006	0.007	-0.017	99.827%	100.580%
3	20:16:24	100.726%	0.010	-0.007	-0.004	-0.014	0.029	101.051%	101.156%
x		100.000%	-0.000	-0.000	0.000	-0.000	0.000	100.000%	100.000%
σ		0.945%	0.019	0.010	0.009	0.012	0.025	0.976%	1.531%
%RSD		0.945	0.000	0.000	0.000	0.000	0.000	0.976	1.531

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:14:58	0.004	-0.002	0.011	0.014	0.007	99.997%
2	20:15:41	-0.004	0.001	-0.008	0.012	-0.001	100.032%
3	20:16:24	-0.000	0.001	-0.002	-0.025	-0.006	99.970%
x		0.000	-0.000	0.000	0.000	0.000	100.000%
σ		0.004	0.001	0.010	0.022	0.007	0.031%
%RSD		0.000	0.000	0.000	0.000	0.000	0.031

STD2X MET5569-10 11/23/2010 8:18:31 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:14	93.118%	203.700	0.960	0.483	0.000	100200.000	99100.000	98790.000
2	20:19:57	94.570%	200.100	0.613	0.650	0.000	100100.000	100600.000	100400.000
3	20:20:40	96.902%	196.200	0.587	0.602	0.000	99730.000	100300.000	100800.000
x		94.863%	200.000	0.720	0.578	0.000	100000.000	100000.000	100000.000
σ		1.909%	3.793	0.208	0.086	0.000	238.900	787.100	1066.000
%RSD		2.013	1.897	28.890	14.840	0.000	0.239	0.787	1.066

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:14	990.900	10.290	0.000	99410.000	99720.000	97140.000	97.132%	0.023
2	20:19:57	1005.000	10.880	0.000	100100.000	100500.000	98130.000	98.434%	-0.158
3	20:20:40	1004.000	11.590	0.000	100400.000	99820.000	104700.000	100.239%	-0.261
x		1000.000	10.920	0.000	100000.000	100000.000	100000.000	98.602%	-0.132
σ		7.916	0.652	0.000	532.400	395.000	4120.000	1.560%	0.144
%RSD		0.792	5.975	0.000	0.532	0.395	4.120	1.583	109.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:14	199.600	199.000	996.000	49600.000	49770.000	201.100	201.300	200.400
2	20:19:57	200.900	200.100	1003.000	50320.000	50070.000	198.100	197.600	199.300
3	20:20:40	199.500	200.900	1001.000	50080.000	50160.000	200.900	201.100	200.300
x		200.000	200.000	1000.000	50000.000	50000.000	200.000	200.000	200.000
σ		0.802	0.942	3.537	367.200	205.200	1.659	2.062	0.643
%RSD		0.401	0.471	0.354	0.734	0.410	0.830	1.031	0.322

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:14	199.300	199.600	200.500	199.900	197.800	200.400	0.000	198.600
2	20:19:57	200.400	199.900	200.500	201.400	200.600	202.800	0.000	199.700
3	20:20:40	200.300	200.500	198.900	198.800	201.600	196.800	0.000	201.800
x		200.000	200.000	200.000	200.000	200.000	200.000	0.000	200.000
σ		0.636	0.476	0.912	1.295	1.972	3.000	0.000	1.630
%RSD		0.318	0.238	0.456	0.647	0.986	1.500	0.000	0.815

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:14	95.794%	0.037	0.021	91.167%	200.400	199.600	201.500	202.500
2	20:19:57	97.831%	0.044	0.056	93.552%	200.600	199.800	199.500	199.000
3	20:20:40	99.742%	0.032	0.023	95.722%	199.000	200.600	199.000	198.600
x		97.789%	0.038	0.034	93.480%	200.000	200.000	200.000	200.000
σ		1.974%	0.006	0.020	2.279%	0.896	0.552	1.357	2.141
%RSD		2.019	16.910	58.790	2.438	0.448	0.276	0.679	1.071

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:14	92.464%	-0.053	0.013	0.028	199.700	199.000	96.896%	96.138%
2	20:19:57	95.314%	0.009	0.035	0.036	200.800	200.100	99.745%	98.828%
3	20:20:40	97.201%	-0.021	0.019	0.040	199.500	200.900	100.800%	101.607%
x		94.993%	-0.022	0.022	0.035	200.000	200.000	99.147%	98.857%
σ		2.385%	0.031	0.012	0.006	0.709	0.944	2.020%	2.735%
%RSD		2.510	143.400	52.340	16.560	0.354	0.472	2.037	2.766

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:19:14	195.500	194.400	194.000	192.900	194.000	99.997%
2	20:19:57	201.400	201.300	202.000	201.700	201.500	99.339%
3	20:20:40	203.100	204.300	204.000	205.400	204.500	99.571%
x		200.000	200.000	200.000	200.000	200.000	99.636%
σ		3.990	5.117	5.309	6.384	5.385	0.334%
%RSD		1.995	2.559	2.654	3.192	2.693	0.335

STD3X MET5570-10 11/23/2010 8:22:48 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:31	102.154%	0.175	199.800	200.300	0.000	42.420	54.750	56.060
2	20:24:14	102.392%	0.076	197.900	200.300	0.000	37.920	54.310	56.400
3	20:24:57	101.625%	0.093	202.300	199.400	0.000	36.150	56.800	54.230
x		102.057%	0.115	200.000	200.000	0.000	38.830	55.290	55.560
σ		0.392%	0.053	2.220	0.512	0.000	3.234	1.331	1.164
%RSD		0.385	45.910	1.110	0.256	0.000	8.330	2.407	2.095
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:31	5.648	9957.000	0.000	52.100	40.890	164.700	105.059%	196.900
2	20:24:14	5.296	9975.000	0.000	51.490	76.850	184.600	104.226%	200.600
3	20:24:57	5.078	10070.000	0.000	48.540	59.930	176.900	102.826%	202.500
x		5.341	10000.000	0.000	50.710	59.220	175.400	104.037%	200.000
σ		0.288	59.820	0.000	1.905	17.990	10.040	1.129%	2.885
%RSD		5.394	0.598	0.000	3.757	30.380	5.723	1.085	1.442
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:31	0.326	0.022	0.672	149.400	148.100	0.119	0.176	0.308
2	20:24:14	-0.406	0.042	0.647	78.250	73.580	0.113	0.146	0.273
3	20:24:57	-0.664	0.020	0.631	57.390	51.210	0.117	0.211	0.338
x		-0.248	0.028	0.650	95.010	90.950	0.117	0.178	0.306
σ		0.514	0.012	0.021	48.230	50.710	0.003	0.033	0.032
%RSD		207.100	43.880	3.156	50.770	55.760	2.649	18.330	10.560
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:31	0.401	1.195	1.360	0.483	1.518	1.016	0.000	0.107
2	20:24:14	0.304	1.171	0.922	0.464	0.669	0.822	0.000	0.131
3	20:24:57	0.309	1.189	1.391	0.067	0.889	0.068	0.000	0.131
x		0.338	1.185	1.224	0.338	1.025	0.635	0.000	0.123
σ		0.055	0.012	0.262	0.234	0.441	0.501	0.000	0.014
%RSD		16.180	1.034	21.430	69.380	42.990	78.890	0.000	11.380
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:31	103.397%	195.500	195.900	103.388%	0.199	0.195	0.219	-0.287
2	20:24:14	103.591%	200.700	200.700	103.806%	0.206	0.210	0.193	-0.314
3	20:24:57	103.313%	203.800	203.400	103.162%	0.191	0.165	0.040	0.021
x		103.434%	200.000	200.000	103.452%	0.198	0.190	0.151	-0.193
σ		0.142%	4.179	3.788	0.326%	0.008	0.023	0.097	0.186
%RSD		0.137	2.089	1.894	0.316	3.889	11.970	64.230	96.170
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:23:31	103.702%	197.900	197.400	197.200	0.228	0.429	104.150%	103.493%
2	20:24:14	102.919%	201.900	201.500	200.600	0.288	0.475	104.246%	103.396%
3	20:24:57	103.167%	200.100	201.100	202.200	0.180	0.536	104.156%	103.722%
x		103.263%	200.000	200.000	200.000	0.232	0.480	104.184%	103.537%
σ		0.400%	2.023	2.279	2.583	0.054	0.054	0.054%	0.167%
%RSD		0.388	1.011	1.139	1.292	23.280	11.230	0.052	0.161
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:23:31	0.141	0.143	0.141	0.180	0.158	102.800%		
2	20:24:14	0.120	0.134	0.148	0.124	0.134	102.027%		
3	20:24:57	0.149	0.142	0.115	0.116	0.111	101.885%		
x		0.137	0.140	0.135	0.140	0.134	102.237%		
σ		0.015	0.005	0.018	0.035	0.023	0.493%		
%RSD		10.750	3.456	13.140	24.900	17.520	0.482		

ICV1 MET5571-10 11/23/2010 8:27:06 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:49	101.057%	80.440	78.750	78.640	0.000	39550.000	39860.000	39940.000
2	20:28:32	100.328%	79.940	77.140	81.150	0.000	40040.000	40630.000	40670.000
3	20:29:15	99.899%	80.710	78.670	79.770	0.000	40190.000	41390.000	41360.000
x		100.428%	100.453%	97.736%	99.813%	0.000	99.811%	101.563%	101.633%
σ		0.586%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.583	0.484	1.162	1.574	0.000	0.841	1.883	1.749
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:49	406.300	4296.000	0.000	40500.000	40120.000	39420.000	103.085%	79.610
2	20:28:32	412.400	4314.000	0.000	40870.000	40990.000	40070.000	102.315%	77.700
3	20:29:15	420.300	4352.000	0.000	41450.000	41110.000	40150.000	101.707%	82.750
x		103.251%	108.019%	0.000	102.355%	101.853%	99.704%	102.369%	100.019%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.691%	n/a
%RSD		1.690	0.650	0.000	1.161	1.324	0.996	0.675	3.187
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:49	80.640	80.850	405.900	20390.000	20490.000	81.970	82.610	82.390
2	20:28:32	81.970	81.550	406.500	20470.000	20390.000	80.670	82.270	81.900
3	20:29:15	80.650	81.340	410.500	20580.000	20510.000	81.960	82.260	82.150
x		101.360%	101.557%	101.908%	102.388%	102.322%	101.916%	102.975%	102.685%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.945	0.442	0.607	0.459	0.302	0.914	0.238	0.302
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:49	81.920	83.410	82.060	80.380	79.170	81.300	0.000	76.900
2	20:28:32	81.000	85.460	81.750	79.200	80.950	77.470	0.000	77.140
3	20:29:15	81.040	83.240	81.340	78.680	81.990	77.130	0.000	76.920
x		101.648%	105.048%	102.146%	99.277%	100.878%	98.294%	0.000	96.233%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.638	1.469	0.439	1.099	1.766	2.945	0.000	0.175
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:49	105.308%	82.450	82.580	99.104%	81.260	80.050	80.860	80.250
2	20:28:32	106.791%	82.720	83.820	99.212%	81.210	80.780	79.740	80.210
3	20:29:15	107.778%	83.340	83.290	99.794%	80.920	80.920	80.080	81.110
x		106.626%	103.546%	104.041%	99.370%	101.413%	100.729%	100.286%	100.655%
σ		1.243%	n/a	n/a	0.371%	n/a	n/a	n/a	n/a
%RSD		1.166	0.553	0.746	0.374	0.227	0.581	0.713	0.635
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:27:49	101.400%	80.090	83.750	84.410	80.510	80.960	101.489%	100.715%
2	20:28:32	103.307%	78.550	81.380	81.600	80.370	81.630	103.402%	102.468%
3	20:29:15	103.535%	79.390	81.310	81.550	80.270	81.610	103.367%	104.422%
x		102.747%	99.179%	102.686%	103.149%	100.481%	101.754%	102.752%	102.535%
σ		1.173%	n/a	n/a	n/a	n/a	n/a	1.095%	1.855%
%RSD		1.141	0.967	1.692	1.983	0.150	0.467	1.065	1.809
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	20:27:49	81.850	81.320	79.840	77.340	78.950	104.868%		
2	20:28:32	83.100	82.430	80.970	78.520	79.620	105.143%		
3	20:29:15	82.500	83.390	80.670	79.410	80.450	105.751%		
x		103.106%	102.976%	100.616%	98.029%	99.593%	105.254%		
σ		n/a	n/a	n/a	n/a	n/a	0.452%		
%RSD		0.760	1.254	0.728	1.321	0.944	0.429		

ICB1 11/23/2010 8:34:21 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:04	110.606%	0.024	0.736	0.626	0.000	-30.760	1.776	1.196
2	20:35:47	110.682%	0.024	0.297	0.700	0.000	-29.220	3.282	2.487
3	20:36:30	110.723%	0.039	0.454	0.597	0.000	-29.670	3.575	2.443
x		110.670%	0.029	0.496	0.641	0.000	-29.880	2.878	2.042
σ		0.060%	0.009	0.222	0.053	0.000	0.793	0.966	0.733
%RSD		0.054	30.030	44.850	8.243	0.000	2.653	33.550	35.900

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:04	-0.672	1.033	0.000	6.226	-2.209	-0.102	108.943%	-0.369
2	20:35:47	-0.529	0.589	0.000	8.414	12.320	2.644	109.179%	-0.280
3	20:36:30	-0.385	0.079	0.000	4.657	2.460	5.919	111.214%	-0.371
x		-0.528	0.567	0.000	6.432	4.191	2.820	109.778%	-0.340
σ		0.144	0.477	0.000	1.887	7.418	3.014	1.249%	0.052
%RSD		27.190	84.170	0.000	29.330	177.000	106.900	1.138	15.370

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:04	0.160	-0.107	-0.120	6.644	6.643	-0.007	-0.043	-0.113
2	20:35:47	-0.238	-0.117	-0.067	5.929	11.320	-0.002	-0.043	-0.156
3	20:36:30	0.311	-0.140	-0.099	5.161	8.833	-0.006	-0.044	-0.115
x		0.078	-0.122	-0.095	5.911	8.931	-0.005	-0.043	-0.128
σ		0.283	0.017	0.027	0.742	2.338	0.003	0.001	0.024
%RSD		364.600	13.800	28.400	12.550	26.180	56.640	1.525	19.030

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:04	-0.105	-0.640	-0.577	-0.261	0.133	-0.328	0.000	-0.004
2	20:35:47	-0.120	-0.583	-0.473	-0.081	-0.208	-0.094	0.000	-0.006
3	20:36:30	-0.077	-0.636	-0.540	0.354	0.207	0.680	0.000	-0.004
x		-0.101	-0.619	-0.530	0.004	0.044	0.086	0.000	-0.005
σ		0.022	0.032	0.053	0.317	0.221	0.527	0.000	0.001
%RSD		21.500	5.144	9.993	8030.000	505.100	614.600	0.000	21.750

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:04	110.736%	0.956	0.971	109.995%	0.011	0.006	0.025	0.036
2	20:35:47	110.797%	0.965	0.989	110.037%	-0.003	0.002	0.001	0.018
3	20:36:30	110.800%	0.773	0.872	110.458%	0.012	0.008	-0.036	0.006
x		110.778%	0.898	0.944	110.164%	0.007	0.005	-0.003	0.020
σ		0.036%	0.108	0.063	0.256%	0.008	0.003	0.031	0.015
%RSD		0.033	12.060	6.693	0.232	123.100	66.020	973.900	74.690

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:04	107.706%	-0.147	0.075	0.098	-0.045	-0.018	107.700%	106.969%
2	20:35:47	108.774%	-0.161	0.086	0.077	-0.046	-0.029	109.125%	108.160%
3	20:36:30	110.217%	-0.161	0.083	0.093	-0.027	-0.018	108.532%	107.950%
x		108.899%	-0.157	0.081	0.089	-0.039	-0.022	108.452%	107.693%
σ		1.260%	0.008	0.005	0.011	0.011	0.006	0.716%	0.636%
%RSD		1.157	5.194	6.563	12.140	26.840	28.360	0.660	0.590

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:35:04	0.003	0.005	-0.023	-0.029	-0.023	101.068%
2	20:35:47	-0.000	0.004	-0.029	-0.010	-0.021	101.924%
3	20:36:30	0.002	-0.001	-0.015	-0.037	-0.028	103.165%
x		0.002	0.003	-0.022	-0.025	-0.024	102.053%
σ		0.002	0.003	0.007	0.014	0.004	1.054%
%RSD		124.000	113.000	33.290	54.790	14.750	1.033

CRI MET5572-10 11/23/2010 8:38:42 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:25	108.997%	1.035	4.745	5.321	0.000	71.480	96.280	102.800
2	20:40:08	108.224%	1.035	5.311	4.849	0.000	71.260	98.970	100.500
3	20:40:51	106.923%	0.938	5.668	5.092	0.000	71.190	103.900	105.400
x		108.048%	100.264%	104.828%	101.749%	0.000	71.310%	99.720%	102.900%
σ		1.048%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.970	5.626	8.877	4.642	0.000	0.216	3.885	2.407

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:25	31.760	473.000	0.000	101.300	84.760	106.300	109.607%	4.371
2	20:40:08	32.840	470.600	0.000	98.780	83.090	103.800	108.694%	4.927
3	20:40:51	32.480	471.700	0.000	98.100	86.330	112.200	107.774%	4.359
x		107.857%	94.349%	0.000	99.384%	84.725%	107.416%	108.692%	91.045%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.917%	n/a
%RSD		1.707	0.258	0.000	1.683	1.915	4.015	0.843	7.128

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:25	0.802	1.819	0.492	67.650	66.630	0.473	0.948	1.927
2	20:40:08	1.043	1.810	0.501	60.780	62.170	0.503	0.840	2.053
3	20:40:51	1.041	1.826	0.537	55.130	52.840	0.491	0.988	1.982
x		96.197%	90.901%	102.010%	122.371%	121.092%	97.817%	92.536%	99.367%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		14.410	0.443	4.582	10.250	11.620	3.051	8.250	3.180

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:25	1.981	4.518	4.726	1.159	4.377	4.626	0.000	4.536
2	20:40:08	1.873	4.458	4.312	1.190	4.430	5.260	0.000	4.504
3	20:40:51	1.921	4.325	4.213	1.244	4.418	4.580	0.000	4.367
x		96.244%	88.670%	88.340%	119.767%	88.172%	96.439%	0.000	89.381%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		2.793	2.227	6.154	3.611	0.630	7.886	0.000	2.008

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:25	117.727%	4.816	4.874	108.692%	0.976	0.912	1.007	1.016
2	20:40:08	117.388%	4.778	4.961	109.020%	1.068	0.995	1.158	1.081
3	20:40:51	118.230%	4.949	4.953	109.143%	1.031	1.019	1.076	0.981
x		117.782%	96.951%	98.593%	108.952%	102.483%	97.555%	108.044%	102.617%
σ		0.424%	n/a	n/a	0.233%	n/a	n/a	n/a	n/a
%RSD		0.360	1.854	0.980	0.214	4.531	5.733	6.989	4.978

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:25	107.634%	4.443	2.061	2.047	10.020	9.721	107.595%	107.576%
2	20:40:08	107.465%	4.662	2.086	2.141	9.860	10.170	109.339%	107.949%
3	20:40:51	108.916%	4.536	2.127	2.057	9.973	9.979	109.343%	108.880%
x		108.005%	90.941%	104.560%	104.083%	99.501%	99.566%	108.759%	108.135%
σ		0.793%	n/a	n/a	n/a	n/a	n/a	1.008%	0.672%
%RSD		0.735	2.417	1.602	2.481	0.818	2.265	0.927	0.621

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:25	0.982	0.985	0.923	0.969	0.926	110.779%
2	20:40:08	1.054	0.958	1.045	0.976	1.001	110.705%
3	20:40:51	1.056	1.019	1.018	1.010	1.008	110.240%
x		103.037%	98.756%	99.553%	98.512%	97.857%	110.575%
σ		n/a	n/a	n/a	n/a	n/a	0.292%
%RSD		4.102	3.096	6.414	2.235	4.635	0.264

ICSA MET5573-10 11/23/2010 8:43:02 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:45	94.334%	0.022	2.011	2.392	0.000	98130.000	104400.000	104600.000
2	20:44:28	95.138%	0.012	1.577	2.150	0.000	98060.000	106100.000	106400.000
3	20:45:11	95.356%	0.039	1.851	1.908	0.000	97770.000	107000.000	107200.000
x		94.943%	0.024	1.813	2.150	0.000	97990.000	105800.000	106100.000
σ		0.538%	0.013	0.220	0.242	0.000	191.000	1319.000	1334.000
%RSD		0.567	55.250	12.110	11.270	0.000	0.195	1.246	1.257

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:45	104700.000	24.020	0.000	100000.000	101000.000	98170.000	97.541%	2082.000
2	20:44:28	106400.000	26.220	0.000	101000.000	101000.000	98610.000	97.469%	2101.000
3	20:45:11	107200.000	24.770	0.000	100200.000	99000.000	98130.000	96.738%	2107.000
x		106100.000	25.000	0.000	100400.000	100300.000	98300.000	97.249%	2097.000
σ		1240.000	1.117	0.000	512.600	1148.000	266.700	0.444%	12.960
%RSD		1.169	4.467	0.000	0.510	1.144	0.271	0.457	0.618

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:45	-0.737	0.013	0.945	99330.000	99160.000	0.248	0.666	0.859
2	20:44:28	-0.501	-0.033	0.934	100700.000	100400.000	0.264	0.659	0.898
3	20:45:11	-0.664	-0.016	0.950	101200.000	101000.000	0.258	0.617	0.854
x		-0.634	-0.012	0.943	100400.000	100200.000	0.257	0.647	0.871
σ		0.120	0.023	0.008	966.700	940.900	0.008	0.027	0.024
%RSD		18.980	191.000	0.835	0.963	0.939	2.973	4.094	2.796

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:45	1.474	12.100	10.590	-0.271	1.111	0.019	0.000	4.799
2	20:44:28	1.380	11.080	10.560	-0.451	1.336	-0.283	0.000	4.908
3	20:45:11	1.658	11.840	10.550	0.205	1.242	0.212	0.000	4.956
x		1.504	11.670	10.560	-0.172	1.230	-0.017	0.000	4.887
σ		0.142	0.531	0.020	0.339	0.113	0.250	0.000	0.080
%RSD		9.432	4.548	0.188	196.900	9.173	1431.000	0.000	1.639

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:45	105.611%	1958.000	2000.000	92.724%	0.407	0.379	0.732	0.465
2	20:44:28	106.122%	2036.000	2081.000	93.170%	0.404	0.385	0.439	0.418
3	20:45:11	106.458%	2045.000	2093.000	93.660%	0.367	0.404	0.726	0.476
x		106.064%	2013.000	2058.000	93.185%	0.393	0.389	0.632	0.453
σ		0.426%	47.840	50.420	0.468%	0.022	0.013	0.167	0.031
%RSD		0.402	2.376	2.450	0.503	5.717	3.412	26.460	6.770

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:45	95.489%	0.376	0.434	0.377	0.307	0.437	101.540%	101.187%
2	20:44:28	97.130%	0.364	0.399	0.392	0.322	0.401	102.806%	102.896%
3	20:45:11	97.311%	0.220	0.338	0.396	0.291	0.319	102.937%	104.033%
x		96.643%	0.320	0.390	0.388	0.307	0.386	102.428%	102.705%
σ		1.004%	0.087	0.049	0.010	0.016	0.060	0.772%	1.432%
%RSD		1.039	27.250	12.510	2.545	5.065	15.650	0.753	1.395

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:43:45	0.012	0.008	0.201	0.227	0.222	125.534%
2	20:44:28	0.017	0.002	0.302	0.269	0.275	110.252%
3	20:45:11	0.014	-0.000	0.325	0.303	0.285	105.971%
x		0.014	0.004	0.276	0.266	0.261	113.919%
σ		0.003	0.004	0.066	0.038	0.034	10.284%
%RSD		19.210	123.000	23.980	14.330	13.030	9.028

ICSAB MET5574-10 11/23/2010 8:47:23 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:06	94.639%	20.650	49.740	51.430	0.000	106100.000	114500.000	115000.000
2	20:48:49	94.696%	20.730	49.570	51.830	0.000	106400.000	117300.000	117800.000
3	20:49:32	96.333%	19.300	51.180	49.700	0.000	104300.000	116700.000	116900.000
x		95.223%	101.126%	100.328%	101.975%	0.000	105.605%	116.168%	116.588%
σ		0.962%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.010	3.970	1.764	2.226	0.000	1.053	1.263	1.221

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:06	114900.000	574.800	0.000	108100.000	107700.000	112700.000	98.431%	2289.000
2	20:48:49	117000.000	574.000	0.000	108400.000	108200.000	112700.000	98.484%	2271.000
3	20:49:32	115300.000	560.900	0.000	106600.000	106000.000	112300.000	99.226%	2257.000
x		115.712%	113.977%	0.000	107.698%	107.274%	112.573%	98.714%	113.618%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.445%	n/a
%RSD		0.972	1.372	0.000	0.888	1.061	0.218	0.450	0.717

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:06	20.020	20.070	20.750	107600.000	108400.000	20.070	21.690	20.430
2	20:48:49	20.300	20.060	21.340	108300.000	108700.000	19.950	20.010	20.640
3	20:49:32	20.860	19.860	21.140	108200.000	108500.000	19.900	20.490	20.080
x		101.976%	99.976%	91.645%	108.030%	108.558%	99.868%	103.666%	101.923%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		2.106	0.608	1.408	0.359	0.167	0.448	4.175	1.400

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:06	20.890	29.480	27.700	20.490	55.010	49.840	0.000	24.990
2	20:48:49	21.220	28.090	27.650	21.160	54.210	51.370	0.000	25.260
3	20:49:32	21.400	29.440	27.420	20.490	55.630	52.570	0.000	25.510
x		105.846%	116.025%	110.348%	103.568%	109.897%	102.522%	0.000	126.272%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.233	2.724	0.542	1.884	1.293	2.663	0.000	1.030

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:06	105.103%	2244.000	2298.000	92.167%	21.240	20.860	22.450	21.660
2	20:48:49	106.505%	2266.000	2311.000	92.898%	21.040	21.500	22.030	22.110
3	20:49:32	106.613%	2275.000	2325.000	93.314%	21.110	21.210	21.590	20.990
x		106.074%	113.099%	115.571%	92.793%	105.655%	105.944%	110.111%	107.926%
σ		0.842%	n/a	n/a	0.581%	n/a	n/a	n/a	n/a
%RSD		0.794	0.702	0.578	0.626	0.481	1.517	1.940	2.596

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:06	96.190%	109.800	23.230	22.540	21.910	20.680	101.000%	101.458%
2	20:48:49	97.116%	111.800	22.820	22.800	21.040	21.210	104.065%	104.579%
3	20:49:32	98.752%	110.500	22.990	23.140	22.170	22.230	104.491%	104.724%
x		97.353%	110.710%	115.053%	114.141%	108.526%	106.867%	103.185%	103.587%
σ		1.297%	n/a	n/a	n/a	n/a	n/a	1.905%	1.845%
%RSD		1.332	0.950	0.892	1.323	2.737	3.698	1.846	1.781

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:48:06	20.970	21.280	21.710	21.870	21.720	101.409%
2	20:48:49	21.730	21.680	22.470	22.310	22.510	100.769%
3	20:49:32	22.030	22.050	22.700	22.340	22.690	100.425%
x		107.891%	108.340%	111.464%	110.873%	111.522%	100.868%
σ		n/a	n/a	n/a	n/a	n/a	0.499%
%RSD		2.520	1.784	2.321	1.178	2.312	0.495

CCV1-1 MET5575-10 11/23/2010 8:54:36 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:19	98.526%	93.390	89.960	91.790	0.000	47640.000	49660.000	49900.000
2	20:56:02	97.555%	95.020	91.040	94.360	0.000	47950.000	50590.000	50610.000
3	20:56:45	97.875%	96.290	89.220	90.390	0.000	47910.000	50710.000	50890.000
x		97.986%	94.900%	90.070%	92.182%	0.000	95.665%	100.643%	100.937%
σ		0.495%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.505	1.537	1.017	2.185	0.000	0.351	1.149	1.014

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:19	503.700	4943.000	0.000	48060.000	47180.000	47190.000	100.146%	96.330
2	20:56:02	506.200	4944.000	0.000	48130.000	48070.000	47570.000	99.159%	94.620
3	20:56:45	509.600	4968.000	0.000	48720.000	47660.000	47870.000	97.515%	93.310
x		101.297%	99.036%	0.000	96.607%	95.277%	95.088%	98.940%	94.754%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.329%	n/a
%RSD		0.591	0.292	0.000	0.749	0.936	0.716	1.343	1.596

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:19	95.070	95.340	476.400	23840.000	23660.000	94.740	94.980	93.940
2	20:56:02	94.550	95.400	476.300	23910.000	23930.000	95.330	93.780	93.900
3	20:56:45	93.870	94.900	482.500	24200.000	24070.000	96.630	96.490	95.390
x		94.493%	95.213%	95.681%	95.930%	95.546%	95.565%	95.083%	94.410%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.639	0.285	0.733	0.788	0.862	1.013	1.425	0.902

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:19	94.370	95.320	93.950	92.610	93.940	92.000	0.000	89.770
2	20:56:02	94.490	96.170	96.140	92.080	96.510	92.520	0.000	89.760
3	20:56:45	95.270	96.440	96.140	92.040	93.520	92.940	0.000	89.960
x		94.711%	95.976%	95.410%	92.242%	94.656%	92.487%	0.000	89.832%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.519	0.607	1.323	0.343	1.710	0.514	0.000	0.120

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:19	107.468%	114.600	113.900	107.693%	91.410	93.860	97.130	99.670
2	20:56:02	106.814%	111.500	109.100	107.708%	90.770	93.550	95.650	99.410
3	20:56:45	106.528%	106.000	105.400	107.626%	91.180	92.690	96.160	100.900
x		106.936%	110.716%	109.452%	107.676%	91.120%	93.364%	96.312%	100.000%
σ		0.482%	n/a	n/a	0.043%	n/a	n/a	n/a	n/a
%RSD		0.451	3.930	3.899	0.040	0.353	0.646	0.778	0.806

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:19	94.420%	99.220	98.360	97.290	97.300	97.060	102.668%	102.301%
2	20:56:02	95.102%	99.420	99.650	99.250	97.850	98.110	102.874%	102.983%
3	20:56:45	94.021%	99.620	100.800	99.930	98.640	98.680	103.685%	102.460%
x		94.515%	99.419%	99.591%	98.823%	97.933%	97.952%	103.076%	102.581%
σ		0.547%	n/a	n/a	n/a	n/a	n/a	0.538%	0.357%
%RSD		0.578	0.198	1.206	1.384	0.687	0.837	0.522	0.348

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	20:55:19	101.800	101.900	102.800	102.500	102.700	96.591%
2	20:56:02	102.700	103.300	103.300	102.700	103.800	96.309%
3	20:56:45	103.300	103.300	104.000	103.500	104.100	96.275%
x		102.615%	102.851%	103.374%	102.902%	103.553%	96.392%
σ		n/a	n/a	n/a	n/a	n/a	0.173%
%RSD		0.718	0.781	0.596	0.542	0.701	0.180

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:02:33	109.611%	0.047	0.344	0.435	0.000	-29.760	3.085	2.466
2	21:03:15	110.186%	0.055	0.659	0.372	0.000	-30.550	2.890	2.699
3	21:03:58	113.255%	0.008	0.593	0.276	0.000	-32.230	4.835	3.890
x		111.017%	0.037	0.532	0.361	0.000	-30.850	3.603	3.018
σ		1.959%	0.025	0.166	0.080	0.000	1.262	1.071	0.764
%RSD		1.765	67.800	31.230	22.100	0.000	4.091	29.730	25.310

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:02:33	-0.301	-1.795	0.000	3.389	0.189	5.216	109.487%	-0.325
2	21:03:15	-0.196	-2.000	0.000	2.794	0.166	0.668	109.819%	-0.169
3	21:03:58	-0.018	-0.890	0.000	2.909	5.014	-1.003	109.406%	-0.235
x		-0.172	-1.562	0.000	3.031	1.790	1.627	109.571%	-0.243
σ		0.143	0.590	0.000	0.316	2.792	3.218	0.219%	0.078
%RSD		83.330	37.800	0.000	10.420	156.000	197.800	0.200	32.080

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:02:33	-0.192	-0.083	-0.077	12.150	15.420	-0.006	-0.038	-0.069
2	21:03:15	-0.065	-0.103	-0.035	11.070	16.960	-0.007	0.003	-0.029
3	21:03:58	0.313	-0.136	-0.049	10.060	10.580	-0.000	-0.026	-0.080
x		0.019	-0.108	-0.054	11.090	14.320	-0.004	-0.020	-0.060
σ		0.263	0.027	0.021	1.043	3.329	0.003	0.021	0.027
%RSD		1407.000	24.680	39.780	9.398	23.250	78.010	103.900	44.850

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:02:33	-0.107	-0.628	-0.560	0.036	1.751	0.159	0.000	-0.010
2	21:03:15	-0.121	-0.678	-0.550	0.056	1.070	0.522	0.000	-0.004
3	21:03:58	-0.106	-0.642	-0.519	0.030	1.255	0.388	0.000	-0.009
x		-0.111	-0.649	-0.543	0.041	1.359	0.356	0.000	-0.008
σ		0.009	0.026	0.021	0.014	0.352	0.184	0.000	0.004
%RSD		7.661	3.958	3.942	33.370	25.920	51.590	0.000	46.440

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:02:33	112.636%	4.106	4.046	110.788%	0.008	0.008	0.023	0.019
2	21:03:15	112.058%	4.328	4.108	111.581%	0.004	0.007	0.001	-0.005
3	21:03:58	112.076%	3.984	4.125	111.217%	0.010	-0.004	-0.006	0.015
x		112.257%	4.139	4.093	111.195%	0.007	0.004	0.006	0.009
σ		0.329%	0.174	0.042	0.397%	0.003	0.007	0.015	0.013
%RSD		0.293	4.215	1.019	0.357	46.610	195.000	252.800	139.100

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:02:33	110.547%	-0.009	0.314	0.285	-0.055	-0.013	112.741%	111.677%
2	21:03:15	111.943%	-0.056	0.322	0.340	-0.055	-0.029	114.078%	111.746%
3	21:03:58	112.532%	-0.132	0.300	0.337	-0.055	-0.008	112.819%	112.073%
x		111.674%	-0.066	0.312	0.321	-0.055	-0.017	113.212%	111.832%
σ		1.020%	0.062	0.011	0.031	0.000	0.011	0.751%	0.212%
%RSD		0.913	94.550	3.530	9.514	0.107	63.830	0.663	0.189

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:02:33	0.006	0.002	-0.005	-0.006	-0.013	107.990%
2	21:03:15	0.001	0.004	-0.017	-0.017	-0.013	107.984%
3	21:03:58	0.011	0.009	-0.026	-0.015	-0.019	108.195%
x		0.006	0.005	-0.016	-0.013	-0.015	108.056%
σ		0.005	0.004	0.011	0.006	0.003	0.120%
%RSD		82.160	75.370	66.020	47.360	21.350	0.111

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:06:52	120.987%	0.007	1.190	1.405	0.000	1616.000	208.900	213.200
2	21:07:35	117.798%	0.008	1.159	1.419	0.000	1634.000	222.400	221.600
3	21:08:18	119.788%	0.007	1.321	1.313	0.000	1626.000	220.000	223.600
x		119.524%	0.007	1.223	1.379	0.000	1625.000	217.100	219.500
σ		1.611%	0.000	0.086	0.058	0.000	8.847	7.205	5.506
%RSD		1.348	3.906	7.005	4.183	0.000	0.544	3.319	2.509
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:06:52	2.602	19.200	0.000	64.850	64.420	100.400	110.633%	1.311
2	21:07:35	2.631	18.490	0.000	64.440	70.980	116.300	108.099%	0.559
3	21:08:18	2.584	17.620	0.000	62.120	73.400	111.400	108.049%	0.762
x		2.606	18.430	0.000	63.810	69.600	109.400	108.927%	0.878
σ		0.024	0.791	0.000	1.473	4.646	8.131	1.478%	0.389
%RSD		0.905	4.290	0.000	2.309	6.676	7.433	1.357	44.350
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:06:52	0.294	4.148	-0.018	38.240	36.080	0.002	0.090	0.572
2	21:07:35	0.536	3.973	0.001	14.840	8.055	0.009	0.122	0.469
3	21:08:18	-0.268	3.592	-0.024	7.822	4.419	-0.003	0.086	0.488
x		0.187	3.904	-0.014	20.300	16.190	0.003	0.099	0.509
σ		0.412	0.284	0.013	15.930	17.330	0.006	0.020	0.055
%RSD		220.100	7.277	95.410	78.450	107.100	225.300	19.880	10.740
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:06:52	0.692	0.789	0.874	0.549	1.716	0.022	0.000	1.244
2	21:07:35	0.451	0.894	0.627	0.477	1.432	0.490	0.000	1.216
3	21:08:18	0.576	0.510	0.709	-0.379	0.985	0.551	0.000	1.299
x		0.573	0.731	0.737	0.216	1.377	0.355	0.000	1.253
σ		0.121	0.198	0.126	0.516	0.368	0.289	0.000	0.042
%RSD		21.090	27.140	17.090	239.500	26.740	81.600	0.000	3.382
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:06:52	109.487%	10.800	11.190	108.488%	0.827	0.829	0.011	0.014
2	21:07:35	110.898%	6.547	6.719	109.519%	0.547	0.583	0.120	0.097
3	21:08:18	112.255%	4.522	4.550	109.964%	0.424	0.456	-0.088	-0.058
x		110.880%	7.291	7.485	109.324%	0.599	0.623	0.014	0.017
σ		1.384%	3.206	3.384	0.757%	0.206	0.190	0.104	0.078
%RSD		1.248	43.970	45.210	0.693	34.440	30.450	733.700	446.600
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:06:52	108.209%	4.139	1.078	1.094	0.010	0.061	111.004%	110.142%
2	21:07:35	110.060%	3.218	0.628	0.670	-0.010	0.142	114.014%	112.957%
3	21:08:18	111.436%	2.842	0.424	0.499	0.061	0.115	114.983%	115.376%
x		109.902%	3.400	0.710	0.754	0.020	0.106	113.334%	112.825%
σ		1.619%	0.667	0.335	0.306	0.037	0.041	2.075%	2.620%
%RSD		1.473	19.630	47.140	40.590	180.000	38.860	1.831	2.322
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:06:52	0.018	0.025	0.119	0.130	0.117	107.029%		
2	21:07:35	0.003	0.004	0.131	0.125	0.109	109.639%		
3	21:08:18	0.010	0.006	0.077	0.064	0.082	112.194%		
x		0.010	0.012	0.109	0.106	0.103	109.621%		
σ		0.008	0.012	0.029	0.037	0.019	2.583%		
%RSD		73.900	100.300	26.210	34.830	18.030	2.356		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:11:08	114.528%	-0.014	0.271	0.177	0.000	-31.490	0.268	0.633
2	21:11:51	116.818%	0.022	0.181	0.195	0.000	-32.570	0.076	0.844
3	21:12:34	116.869%	0.008	0.559	0.328	0.000	-32.240	1.269	1.080
x		116.072%	0.005	0.337	0.233	0.000	-32.100	0.538	0.853
σ		1.337%	0.018	0.197	0.083	0.000	0.554	0.641	0.224
%RSD		1.152	349.100	58.510	35.390	0.000	1.725	119.200	26.220
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:11:08	-0.978	-0.591	0.000	-1.877	-4.715	-0.762	112.530%	-0.286
2	21:11:51	-0.882	0.021	0.000	-1.300	-0.043	-2.613	112.922%	-0.351
3	21:12:34	-0.606	-0.485	0.000	-1.191	-2.395	-0.259	113.205%	-0.395
x		-0.822	-0.351	0.000	-1.456	-2.384	-1.211	112.886%	-0.344
σ		0.194	0.327	0.000	0.369	2.336	1.239	0.339%	0.055
%RSD		23.540	93.100	0.000	25.330	97.960	102.300	0.300	15.970
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:11:08	0.264	-0.064	-0.018	-3.705	-3.177	-0.002	-0.046	0.009
2	21:11:51	0.234	-0.081	-0.016	-5.152	-2.512	-0.002	-0.046	-0.074
3	21:12:34	-0.090	-0.105	0.040	-4.265	-3.206	-0.003	-0.024	0.025
x		0.136	-0.083	0.002	-4.374	-2.965	-0.003	-0.038	-0.014
σ		0.196	0.021	0.033	0.730	0.393	0.001	0.013	0.053
%RSD		144.000	24.990	1751.000	16.680	13.240	28.480	33.220	393.600
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:11:08	0.066	-0.546	-0.343	-0.058	1.594	0.375	0.000	-0.010
2	21:11:51	0.055	-0.478	-0.471	-0.139	1.300	0.224	0.000	-0.006
3	21:12:34	0.045	-0.485	-0.391	-0.088	1.248	-0.249	0.000	-0.007
x		0.056	-0.503	-0.402	-0.095	1.380	0.117	0.000	-0.008
σ		0.010	0.037	0.065	0.041	0.186	0.326	0.000	0.002
%RSD		18.480	7.411	16.120	43.160	13.510	279.200	0.000	31.210
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:11:08	115.858%	1.256	1.306	114.413%	-0.009	-0.010	0.066	0.060
2	21:11:51	116.112%	1.300	1.253	114.545%	-0.006	0.003	-0.032	-0.010
3	21:12:34	116.351%	1.289	1.217	115.483%	0.003	0.002	0.053	0.078
x		116.107%	1.282	1.259	114.814%	-0.004	-0.002	0.029	0.042
σ		0.247%	0.023	0.045	0.583%	0.006	0.007	0.053	0.046
%RSD		0.212	1.800	3.571	0.508	155.800	470.800	182.700	109.400
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:11:08	115.187%	-0.112	0.032	-0.002	-0.064	-0.024	117.210%	116.089%
2	21:11:51	115.254%	-0.110	0.006	0.022	-0.029	-0.019	117.080%	116.111%
3	21:12:34	115.782%	-0.152	0.044	0.030	-0.064	-0.019	116.858%	116.473%
x		115.408%	-0.125	0.027	0.017	-0.053	-0.021	117.049%	116.224%
σ		0.326%	0.024	0.020	0.017	0.020	0.003	0.178%	0.216%
%RSD		0.282	19.360	72.520	101.400	38.330	14.000	0.152	0.186
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:11:08	-0.008	-0.004	0.021	0.029	0.025	105.615%		
2	21:11:51	-0.007	-0.002	0.021	0.031	0.029	106.752%		
3	21:12:34	-0.000	-0.006	0.011	0.038	0.021	107.441%		
x		-0.005	-0.004	0.017	0.033	0.025	106.603%		
σ		0.004	0.002	0.006	0.005	0.004	0.922%		
%RSD		83.260	55.200	32.070	14.740	14.830	0.865		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:15:25	105.953%	0.257	5.790	6.108	0.000	277.500	3155.000	3153.000
2	21:16:08	105.335%	0.282	5.401	5.781	0.000	282.100	3211.000	3213.000
3	21:16:51	107.265%	0.277	6.624	5.733	0.000	277.800	3220.000	3220.000
x		106.184%	0.272	5.938	5.874	0.000	279.100	3196.000	3195.000
σ		0.985%	0.013	0.625	0.204	0.000	2.542	35.080	36.900
%RSD		0.928	4.947	10.520	3.476	0.000	0.911	1.098	1.155
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:15:25	7428.000	612.000	0.000	914.600	71060.000	70670.000	102.915%	62.580
2	21:16:08	7509.000	613.400	0.000	917.700	71280.000	70970.000	103.425%	62.900
3	21:16:51	7537.000	605.200	0.000	913.300	71770.000	76990.000	103.393%	64.750
x		7492.000	610.200	0.000	915.200	71370.000	72880.000	103.244%	63.410
σ		56.650	4.352	0.000	2.267	364.300	3563.000	0.286%	1.170
%RSD		0.756	0.713	0.000	0.248	0.510	4.889	0.277	1.846
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:15:25	15.100	211.100	69.180	9074.000	9520.000	6.335	68.490	265.400
2	21:16:08	13.960	209.100	69.320	9053.000	9415.000	6.272	68.430	262.200
3	21:16:51	13.030	208.700	69.720	9126.000	9430.000	6.315	69.560	265.100
x		14.030	209.600	69.400	9084.000	9455.000	6.307	68.830	264.200
σ		1.038	1.283	0.282	37.440	56.790	0.032	0.636	1.734
%RSD		7.396	0.612	0.406	0.412	0.601	0.508	0.924	0.656
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:15:25	269.400	2707.000	2709.000	1.585	3.249	1.378	0.000	94.030
2	21:16:08	265.000	2689.000	2721.000	2.037	3.524	1.955	0.000	94.700
3	21:16:51	268.500	2711.000	2733.000	2.077	3.101	1.291	0.000	94.570
x		267.600	2702.000	2721.000	1.900	3.292	1.541	0.000	94.430
σ		2.336	11.970	12.080	0.274	0.215	0.361	0.000	0.356
%RSD		0.873	0.443	0.444	14.400	6.517	23.400	0.000	0.377
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:15:25	0.000	9.483	9.758	101.259%	16.100	15.980	156.400	156.900
2	21:16:08	0.000	10.190	9.880	102.225%	16.100	16.040	155.700	155.600
3	21:16:51	0.000	9.900	10.020	103.013%	15.930	15.790	157.400	158.000
x		0.000	9.858	9.885	102.166%	16.040	15.940	156.500	156.800
σ		0.000	0.356	0.129	0.879%	0.101	0.128	0.855	1.215
%RSD		0.000	3.609	1.308	0.860	0.632	0.805	0.546	0.775
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:15:25	103.121%	4.107	1.806	1.884	209.000	207.400	107.404%	106.475%
2	21:16:08	105.222%	3.962	1.841	1.691	208.900	209.600	109.507%	108.988%
3	21:16:51	105.146%	4.176	1.822	1.854	209.200	211.500	109.976%	109.687%
x		104.496%	4.082	1.823	1.810	209.000	209.500	108.962%	108.383%
σ		1.192%	0.109	0.017	0.104	0.194	2.059	1.370%	1.689%
%RSD		1.141	2.671	0.950	5.724	0.093	0.983	1.257	1.558
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:15:25	0.176	0.186	472.200	436.600	451.000	107.075%		
2	21:16:08	0.173	0.190	488.800	454.000	468.400	105.129%		
3	21:16:51	0.196	0.196	494.300	460.500	474.000	105.269%		
x		0.182	0.191	485.100	450.400	464.500	105.824%		
σ		0.012	0.005	11.520	12.350	11.980	1.085%		
%RSD		6.685	2.437	2.374	2.743	2.579	1.026		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:19:42	108.568%	0.273	4.405	3.723	0.000	264.500	2702.000	2684.000
2	21:20:25	109.574%	0.285	3.197	3.660	0.000	263.800	2719.000	2728.000
3	21:21:08	111.011%	0.229	3.469	3.130	0.000	266.000	2745.000	2731.000
x		109.718%	0.262	3.690	3.505	0.000	264.800	2722.000	2714.000
σ		1.227%	0.030	0.634	0.326	0.000	1.166	21.660	26.500
%RSD		1.119	11.360	17.180	9.291	0.000	0.441	0.796	0.976
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:19:42	5871.000	449.200	0.000	534.800	104000.000	109000.000	108.398%	39.550
2	21:20:25	5944.000	453.100	0.000	539.600	105100.000	109400.000	109.052%	37.240
3	21:21:08	5936.000	453.800	0.000	538.700	105700.000	110700.000	109.714%	38.580
x		5917.000	452.000	0.000	537.700	104900.000	109700.000	109.055%	38.460
σ		40.360	2.473	0.000	2.563	841.500	895.800	0.658%	1.158
%RSD		0.682	0.547	0.000	0.477	0.802	0.817	0.603	3.012
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:19:42	9.527	137.300	58.250	7383.000	7999.000	5.518	59.690	221.100
2	21:20:25	8.300	137.100	57.550	7377.000	7979.000	5.537	58.780	220.100
3	21:21:08	7.754	137.200	58.310	7372.000	7930.000	5.236	59.730	223.300
x		8.527	137.200	58.040	7378.000	7969.000	5.430	59.400	221.500
σ		0.908	0.119	0.421	5.187	35.220	0.168	0.539	1.602
%RSD		10.650	0.087	0.726	0.070	0.442	3.098	0.907	0.723
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:19:42	223.900	2793.000	2814.000	1.286	2.852	0.642	0.000	137.600
2	21:20:25	223.800	2800.000	2812.000	0.713	2.381	1.021	0.000	138.200
3	21:21:08	225.000	2804.000	2811.000	1.709	2.391	1.438	0.000	138.200
x		224.300	2799.000	2812.000	1.236	2.541	1.034	0.000	138.000
σ		0.637	5.637	1.651	0.500	0.269	0.398	0.000	0.349
%RSD		0.284	0.201	0.059	40.450	10.580	38.530	0.000	0.253
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:19:42	0.000	3.977	4.054	105.213%	12.200	12.150	172.300	172.900
2	21:20:25	0.000	3.998	3.816	107.641%	12.340	12.180	172.100	173.600
3	21:21:08	0.000	3.457	3.870	108.264%	12.330	12.370	170.700	171.800
x		0.000	3.811	3.913	107.039%	12.290	12.230	171.700	172.800
σ		0.000	0.307	0.125	1.612%	0.078	0.116	0.875	0.947
%RSD		0.000	8.048	3.188	1.506	0.638	0.945	0.509	0.548
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:19:42	107.809%	3.110	0.575	0.569	243.500	244.800	112.874%	111.984%
2	21:20:25	109.689%	3.251	0.595	0.564	244.700	246.900	114.489%	114.290%
3	21:21:08	110.855%	3.179	0.621	0.520	242.600	246.400	115.691%	115.190%
x		109.451%	3.180	0.597	0.551	243.600	246.000	114.352%	113.822%
σ		1.537%	0.071	0.023	0.027	1.059	1.118	1.413%	1.654%
%RSD		1.405	2.230	3.876	4.940	0.435	0.454	1.236	1.453
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:19:42	0.190	0.172	319.800	296.500	306.300	111.405%		
2	21:20:25	0.183	0.180	328.900	307.600	315.300	111.651%		
3	21:21:08	0.174	0.186	331.600	310.100	318.900	111.272%		
x		0.183	0.179	326.800	304.700	313.500	111.443%		
σ		0.008	0.007	6.227	7.209	6.503	0.192%		
%RSD		4.306	3.809	1.906	2.366	2.074	0.172		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:00	110.080%	0.300	6.343	5.517	0.000	301.000	3428.000	3423.000
2	21:24:43	110.400%	0.368	6.334	5.662	0.000	301.800	3495.000	3477.000
3	21:25:26	109.374%	0.301	6.586	5.705	0.000	300.900	3482.000	3497.000
x		109.951%	0.323	6.421	5.628	0.000	301.300	3468.000	3466.000
σ		0.525%	0.039	0.143	0.099	0.000	0.465	35.620	38.460
%RSD		0.477	12.020	2.230	1.751	0.000	0.155	1.027	1.110

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:00	7418.000	518.500	0.000	945.900	103100.000	107700.000	108.896%	64.820
2	21:24:43	7481.000	515.000	0.000	949.100	104100.000	108600.000	107.467%	64.080
3	21:25:26	7543.000	524.500	0.000	951.600	103200.000	108600.000	108.459%	65.390
x		7481.000	519.300	0.000	948.900	103500.000	108300.000	108.274%	64.760
σ		62.180	4.805	0.000	2.817	561.300	516.600	0.733%	0.655
%RSD		0.831	0.925	0.000	0.297	0.543	0.477	0.677	1.011

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:00	14.100	243.500	69.110	8534.000	9098.000	5.649	61.480	319.800
2	21:24:43	13.770	245.100	69.260	8636.000	9162.000	5.742	63.810	328.700
3	21:25:26	13.600	243.200	69.080	8569.000	9159.000	5.892	62.260	323.300
x		13.820	243.900	69.150	8580.000	9139.000	5.761	62.520	323.900
σ		0.258	0.986	0.098	51.610	36.200	0.122	1.184	4.464
%RSD		1.865	0.404	0.141	0.602	0.396	2.124	1.894	1.378

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:00	325.100	3807.000	3830.000	1.811	3.455	1.720	0.000	130.800
2	21:24:43	327.700	3862.000	3875.000	2.408	2.659	2.218	0.000	131.700
3	21:25:26	325.500	3839.000	3862.000	1.785	2.967	1.659	0.000	129.600
x		326.100	3836.000	3856.000	2.001	3.027	1.866	0.000	130.700
σ		1.403	27.250	23.100	0.353	0.401	0.306	0.000	1.044
%RSD		0.430	0.710	0.599	17.630	13.260	16.430	0.000	0.799

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:00	0.000	5.040	5.030	105.695%	21.580	21.660	213.900	215.400
2	21:24:43	0.000	5.012	5.167	105.700%	21.200	21.040	214.600	213.800
3	21:25:26	0.000	4.933	5.025	106.680%	21.200	21.320	218.500	216.100
x		0.000	4.995	5.074	106.025%	21.330	21.340	215.700	215.100
σ		0.000	0.055	0.080	0.567%	0.223	0.310	2.497	1.178
%RSD		0.000	1.108	1.586	0.535	1.046	1.453	1.158	0.548

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:00	108.483%	4.314	1.200	1.156	270.900	269.700	111.673%	111.155%
2	21:24:43	108.843%	4.368	1.190	1.127	271.300	271.500	111.990%	111.703%
3	21:25:26	108.716%	4.509	1.229	1.080	270.000	271.200	113.685%	112.864%
x		108.681%	4.397	1.206	1.121	270.800	270.800	112.449%	111.908%
σ		0.183%	0.101	0.021	0.038	0.691	0.985	1.082%	0.873%
%RSD		0.168	2.285	1.711	3.427	0.255	0.364	0.962	0.780

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:24:00	0.246	0.232	704.100	652.700	673.100	109.327%
2	21:24:43	0.238	0.229	721.400	668.400	688.400	108.535%
3	21:25:26	0.220	0.234	726.500	674.000	694.300	108.600%
x		0.235	0.232	717.300	665.100	685.300	108.821%
σ		0.013	0.003	11.760	11.050	10.920	0.439%
%RSD		5.613	1.298	1.639	1.662	1.593	0.404

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:18	107.364%	0.283	5.514	5.250	0.000	284.200	3288.000	3298.000
2	21:29:01	107.726%	0.197	5.540	5.202	0.000	280.800	3351.000	3332.000
3	21:29:44	110.589%	0.291	5.326	4.738	0.000	274.300	3335.000	3320.000
x		108.560%	0.257	5.460	5.063	0.000	279.800	3325.000	3317.000
σ		1.767%	0.052	0.117	0.283	0.000	5.043	32.640	17.330
%RSD		1.627	20.370	2.143	5.583	0.000	1.802	0.982	0.523

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:18	6834.000	500.200	0.000	797.000	110300.000	115400.000	109.176%	55.530
2	21:29:01	6913.000	497.800	0.000	798.400	111300.000	115800.000	108.631%	58.060
3	21:29:44	6859.000	487.800	0.000	797.300	111500.000	117600.000	107.594%	57.450
x		6868.000	495.300	0.000	797.600	111000.000	116300.000	108.467%	57.020
σ		40.670	6.572	0.000	0.691	650.600	1153.000	0.804%	1.317
%RSD		0.592	1.327	0.000	0.087	0.586	0.992	0.741	2.310

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:18	13.170	207.900	67.980	8120.000	8769.000	5.917	69.720	323.000
2	21:29:01	12.470	204.000	67.110	8024.000	8657.000	5.780	68.400	317.400
3	21:29:44	13.670	208.800	68.580	8147.000	8726.000	6.214	69.920	320.100
x		13.110	206.900	67.890	8097.000	8717.000	5.970	69.350	320.200
σ		0.603	2.551	0.741	65.060	56.720	0.222	0.828	2.796
%RSD		4.600	1.233	1.091	0.803	0.651	3.717	1.194	0.873

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:18	322.300	3916.000	3941.000	1.698	3.223	1.778	0.000	147.100
2	21:29:01	318.700	3900.000	3934.000	1.858	2.981	1.454	0.000	146.700
3	21:29:44	325.500	3953.000	3969.000	1.650	3.135	1.109	0.000	147.700
x		322.200	3923.000	3948.000	1.735	3.113	1.447	0.000	147.200
σ		3.406	27.340	18.700	0.109	0.123	0.335	0.000	0.535
%RSD		1.057	0.697	0.474	6.256	3.940	23.140	0.000	0.363

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:18	0.000	4.820	4.958	105.989%	18.730	18.730	236.700	235.600
2	21:29:01	0.000	4.573	4.592	107.379%	18.780	18.450	231.500	232.000
3	21:29:44	0.000	4.758	4.956	107.909%	18.910	18.860	232.500	234.700
x		0.000	4.717	4.835	107.092%	18.810	18.680	233.600	234.100
σ		0.000	0.129	0.210	0.992%	0.095	0.206	2.772	1.920
%RSD		0.000	2.727	4.348	0.926	0.504	1.102	1.187	0.820

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:18	109.613%	4.064	0.881	0.990	277.100	274.800	113.742%	112.815%
2	21:29:01	111.341%	4.051	0.933	0.849	276.100	274.200	114.391%	115.049%
3	21:29:44	110.735%	4.133	0.877	0.936	275.200	274.200	116.224%	115.617%
x		110.563%	4.083	0.897	0.925	276.100	274.400	114.786%	114.494%
σ		0.877%	0.044	0.031	0.071	0.920	0.320	1.287%	1.481%
%RSD		0.793	1.076	3.439	7.720	0.333	0.117	1.121	1.294

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:28:18	0.192	0.190	517.900	481.300	495.900	114.077%
2	21:29:01	0.210	0.214	532.900	497.300	511.100	112.765%
3	21:29:44	0.234	0.211	541.800	503.500	517.700	112.920%
x		0.212	0.205	530.900	494.000	508.300	113.254%
σ		0.021	0.013	12.080	11.480	11.180	0.717%
%RSD		9.880	6.440	2.276	2.324	2.201	0.633

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:36	105.912%	1.726	46.790	49.760	0.000	445.100	20760.000	21200.000
2	21:33:19	105.500%	1.431	50.520	49.600	0.000	452.100	21120.000	21070.000
3	21:34:02	103.269%	1.697	51.570	49.560	0.000	454.200	21670.000	21430.000
x		104.894%	1.618	49.630	49.640	0.000	450.500	21190.000	21230.000
σ		1.422%	0.162	2.513	0.106	0.000	4.772	458.100	179.900
%RSD		1.356	10.040	5.064	0.212	0.000	1.059	2.162	0.847

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:36	14450.000	366.600	0.000	2169.000	42330.000	41910.000	105.551%	237.600
2	21:33:19	14570.000	369.600	0.000	2185.000	42870.000	42670.000	103.561%	239.200
3	21:34:02	14720.000	366.700	0.000	2200.000	43170.000	42570.000	103.048%	245.200
x		14580.000	367.600	0.000	2185.000	42790.000	42380.000	104.053%	240.700
σ		138.600	1.707	0.000	15.790	425.600	410.400	1.322%	4.004
%RSD		0.951	0.465	0.000	0.723	0.995	0.968	1.271	1.663

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:36	17.270	877.500	491.800	40370.000	39900.000	19.590	262.100	614.400
2	21:33:19	16.520	876.900	496.400	40710.000	40210.000	19.240	265.900	617.800
3	21:34:02	16.580	878.700	495.600	40630.000	40210.000	19.770	263.600	621.400
x		16.790	877.700	494.600	40570.000	40110.000	19.530	263.900	617.900
σ		0.416	0.902	2.424	176.600	178.100	0.272	1.935	3.536
%RSD		2.480	0.103	0.490	0.435	0.444	1.395	0.733	0.572

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:36	613.800	3817.000	3840.000	26.030	6.027	3.228	0.000	116.400
2	21:33:19	623.300	3878.000	3888.000	27.040	5.546	4.212	0.000	118.300
3	21:34:02	622.000	3866.000	3896.000	26.620	5.807	4.154	0.000	118.200
x		619.700	3854.000	3875.000	26.560	5.793	3.865	0.000	117.600
σ		5.179	32.600	30.120	0.509	0.241	0.552	0.000	1.058
%RSD		0.836	0.846	0.777	1.915	4.158	14.290	0.000	0.899

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:36	0.000	8.327	7.943	102.601%	19.490	19.780	98.490	99.070
2	21:33:19	0.000	8.436	8.465	102.711%	19.910	19.850	97.310	99.310
3	21:34:02	0.000	8.542	8.764	102.903%	19.610	19.720	97.510	99.990
x		0.000	8.435	8.391	102.738%	19.670	19.780	97.770	99.460
σ		0.000	0.108	0.416	0.153%	0.216	0.063	0.631	0.477
%RSD		0.000	1.275	4.953	0.149	1.096	0.318	0.645	0.479

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:36	104.706%	63.010	5.032	5.304	439.100	439.600	109.470%	110.018%
2	21:33:19	105.141%	63.120	5.246	4.878	437.000	437.000	111.449%	110.347%
3	21:34:02	105.872%	63.310	5.206	5.284	436.600	437.100	111.543%	111.290%
x		105.240%	63.150	5.161	5.155	437.500	437.900	110.821%	110.552%
σ		0.590%	0.155	0.114	0.241	1.319	1.464	1.171%	0.660%
%RSD		0.560	0.245	2.202	4.666	0.301	0.334	1.056	0.597

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:32:36	2.066	2.239	764.000	750.100	753.300	112.866%
2	21:33:19	2.297	2.280	782.500	771.700	774.700	110.832%
3	21:34:02	2.302	2.329	797.100	778.600	786.600	109.675%
x		2.221	2.283	781.200	766.800	771.500	111.124%
σ		0.135	0.045	16.600	14.850	16.880	1.616%
%RSD		6.066	1.976	2.125	1.936	2.187	1.454

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:31	113.627%	0.008	0.464	0.360	0.000	-33.000	0.333	-0.134
2	21:41:14	115.656%	-0.007	0.526	0.292	0.000	-34.810	-0.125	-0.125
3	21:41:57	114.555%	0.001	0.534	0.274	0.000	-34.440	0.123	-0.258
x		114.613%	0.001	0.508	0.309	0.000	-34.080	0.110	-0.172
σ		1.016%	0.007	0.038	0.045	0.000	0.957	0.229	0.074
%RSD		0.886	1175.000	7.506	14.720	0.000	2.808	207.400	43.110
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:31	-0.782	1.935	0.000	-2.998	-4.844	-6.185	119.469%	-0.112
2	21:41:14	-0.695	1.667	0.000	-3.754	-4.825	-0.859	118.307%	-0.171
3	21:41:57	-0.753	1.853	0.000	-4.776	-7.066	0.827	119.141%	-0.276
x		-0.744	1.818	0.000	-3.843	-5.578	-2.072	118.972%	-0.186
σ		0.044	0.137	0.000	0.892	1.288	3.660	0.599%	0.083
%RSD		5.976	7.551	0.000	23.220	23.100	176.600	0.504	44.440
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:31	0.362	0.031	0.150	64.260	61.090	-0.004	-0.044	0.012
2	21:41:14	-0.062	0.014	0.181	32.380	33.570	-0.010	-0.060	0.044
3	21:41:57	0.218	-0.003	0.175	19.140	17.500	-0.000	-0.071	0.055
x		0.173	0.014	0.169	38.590	37.390	-0.005	-0.059	0.037
σ		0.215	0.017	0.017	23.190	22.040	0.005	0.014	0.022
%RSD		124.600	122.700	9.881	60.100	58.960	100.900	23.190	59.200
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:31	-0.029	-0.521	-0.266	0.354	2.155	0.712	0.000	-0.009
2	21:41:14	0.062	-0.447	-0.438	0.016	1.884	-0.282	0.000	-0.010
3	21:41:57	0.002	-0.324	-0.272	0.058	2.377	0.695	0.000	-0.012
x		0.012	-0.430	-0.325	0.143	2.139	0.375	0.000	-0.010
σ		0.046	0.100	0.098	0.184	0.247	0.569	0.000	0.001
%RSD		399.300	23.140	30.070	128.800	11.540	151.800	0.000	13.840
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:31	118.632%	0.631	0.796	114.744%	-0.001	-0.007	-0.066	-0.036
2	21:41:14	119.821%	0.429	0.571	116.084%	0.009	-0.005	-0.088	-0.053
3	21:41:57	119.980%	0.486	0.522	116.109%	-0.008	-0.001	0.136	0.074
x		119.477%	0.515	0.630	115.646%	0.000	-0.004	-0.006	-0.005
σ		0.737%	0.104	0.146	0.781%	0.009	0.003	0.123	0.069
%RSD		0.616	20.200	23.210	0.675	3064.000	74.600	2103.000	1373.000
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:40:31	116.444%	0.410	-0.009	0.028	-0.064	-0.024	114.356%	113.338%
2	21:41:14	117.646%	0.169	0.022	0.025	-0.056	-0.014	115.413%	115.095%
3	21:41:57	118.029%	0.189	0.003	0.027	-0.021	-0.009	114.985%	115.258%
x		117.373%	0.256	0.005	0.027	-0.047	-0.016	114.918%	114.564%
σ		0.827%	0.134	0.015	0.001	0.023	0.008	0.532%	1.065%
%RSD		0.705	52.340	283.000	5.095	49.050	48.610	0.463	0.930
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:40:31	-0.004	0.001	0.085	0.054	0.061	119.423%		
2	21:41:14	0.004	-0.003	0.049	0.064	0.063	117.929%		
3	21:41:57	0.009	-0.004	0.070	0.041	0.058	118.022%		
x		0.003	-0.002	0.068	0.053	0.061	118.458%		
σ		0.006	0.002	0.018	0.012	0.003	0.837%		
%RSD		214.800	112.100	26.600	21.600	4.175	0.706		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:50	104.417%	46.440	902.400	902.300	0.000	45370.000	51190.000	50820.000
2	21:45:32	104.194%	46.690	910.300	907.300	0.000	45710.000	52650.000	52220.000
3	21:46:16	103.956%	46.120	914.000	909.400	0.000	46000.000	53360.000	52050.000
X		104.189%	46.420	908.900	906.300	0.000	45690.000	52400.000	51700.000
σ		0.230%	0.288	5.931	3.674	0.000	316.500	1106.000	762.500
%RSD		0.221	0.620	0.652	0.405	0.000	0.693	2.111	1.475
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:50	1972.000	8851.000	0.000	45230.000	45970.000	45270.000	103.925%	896.700
2	21:45:32	1985.000	8845.000	0.000	46110.000	45890.000	45940.000	102.078%	899.300
3	21:46:16	1980.000	8753.000	0.000	45780.000	46040.000	46150.000	102.987%	909.400
X		1979.000	8816.000	0.000	45700.000	45970.000	45790.000	102.997%	901.800
σ		6.639	55.230	0.000	444.300	77.510	460.500	0.923%	6.720
%RSD		0.336	0.626	0.000	0.972	0.169	1.006	0.897	0.745
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:50	462.200	186.300	456.900	931.200	1218.000	457.900	452.500	232.800
2	21:45:32	466.700	187.300	466.500	940.500	1233.000	467.300	461.300	236.900
3	21:46:16	467.200	188.000	468.200	938.500	1213.000	460.500	460.300	234.500
X		465.400	187.200	463.800	936.700	1221.000	461.900	458.100	234.700
σ		2.744	0.852	6.094	4.904	10.460	4.848	4.830	2.059
%RSD		0.590	0.455	1.314	0.523	0.857	1.050	1.054	0.877
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:50	236.300	482.400	479.200	37.660	13.210	10.850	0.000	915.600
2	21:45:32	236.000	488.600	487.100	36.060	12.620	10.190	0.000	914.100
3	21:46:16	237.200	488.700	482.200	37.730	11.980	9.875	0.000	917.200
X		236.500	486.600	482.800	37.150	12.600	10.300	0.000	915.600
σ		0.613	3.619	4.006	0.947	0.616	0.495	0.000	1.514
%RSD		0.259	0.744	0.830	2.549	4.887	4.807	0.000	0.165
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:50	103.411%	929.600	933.500	99.648%	47.330	47.380	46.800	44.170
2	21:45:32	105.097%	956.700	959.300	100.108%	47.290	47.260	47.760	44.190
3	21:46:16	105.530%	966.100	973.600	100.768%	46.980	47.390	47.950	43.420
X		104.679%	950.800	955.500	100.175%	47.200	47.340	47.500	43.930
σ		1.120%	18.940	20.320	0.563%	0.190	0.069	0.620	0.438
%RSD		1.069	1.992	2.126	0.562	0.403	0.146	1.305	0.997
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:44:50	102.689%	1851.000	475.100	478.900	1863.000	1873.000	107.194%	107.732%
2	21:45:32	103.583%	1874.000	479.900	479.500	1872.000	1881.000	110.583%	110.246%
3	21:46:16	105.207%	1861.000	476.800	480.000	1855.000	1862.000	111.607%	111.017%
X		103.826%	1862.000	477.300	479.400	1863.000	1872.000	109.795%	109.665%
σ		1.277%	11.570	2.414	0.538	8.391	9.537	2.310%	1.718%
%RSD		1.230	0.621	0.506	0.112	0.450	0.509	2.104	1.567
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	21:44:50	48.140	48.460	19.670	21.120	20.390	102.164%		
2	21:45:32	49.080	48.970	19.650	20.950	20.430	104.397%		
3	21:46:16	49.290	49.560	19.430	21.060	20.420	106.525%		
X		48.840	49.000	19.580	21.040	20.410	104.362%		
σ		0.613	0.552	0.132	0.088	0.017	2.181%		
%RSD		1.255	1.126	0.671	0.417	0.085	2.090		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:53:28	106.812%	0.026	74.900	75.530	0.000	48970.000	32800.000	32520.000
2	21:54:11	108.743%	-0.006	76.890	75.620	0.000	49460.000	33780.000	33050.000
3	21:54:54	107.638%	-0.006	76.110	75.270	0.000	49720.000	34020.000	33430.000
x		107.731%	0.004	75.970	75.480	0.000	49380.000	33530.000	33000.000
σ		0.969%	0.018	1.003	0.182	0.000	383.300	645.300	460.400
%RSD		0.899	420.400	1.321	0.241	0.000	0.776	1.924	1.395

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:53:28	118.100	8725.000	0.000	8722.000	44020.000	44330.000	101.139%	5.786
2	21:54:11	119.100	8726.000	0.000	8850.000	44970.000	45050.000	99.637%	5.330
3	21:54:54	118.900	8685.000	0.000	8904.000	45400.000	45450.000	99.649%	5.674
x		118.700	8712.000	0.000	8825.000	44800.000	44940.000	100.142%	5.596
σ		0.575	23.300	0.000	93.260	703.100	566.900	0.864%	0.238
%RSD		0.484	0.268	0.000	1.057	1.570	1.261	0.863	4.247

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:53:28	3.069	3.480	3188.000	198.000	484.800	1.623	7.868	4.587
2	21:54:11	1.963	3.456	3216.000	198.800	476.800	1.619	7.485	4.593
3	21:54:54	0.878	3.421	3251.000	198.400	474.600	1.629	7.650	4.539
x		1.970	3.452	3218.000	198.400	478.700	1.624	7.668	4.573
σ		1.096	0.030	31.510	0.401	5.403	0.005	0.192	0.030
%RSD		55.640	0.868	0.979	0.202	1.129	0.313	2.503	0.650

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:53:28	4.629	13.430	13.200	3.686	3.033	0.625	0.000	302.100
2	21:54:11	4.685	12.970	13.780	2.996	2.888	2.175	0.000	300.900
3	21:54:54	4.576	13.010	13.860	2.611	2.376	1.345	0.000	302.300
x		4.630	13.140	13.610	3.098	2.766	1.382	0.000	301.700
σ		0.055	0.257	0.356	0.545	0.345	0.776	0.000	0.738
%RSD		1.182	1.954	2.618	17.580	12.470	56.140	0.000	0.245

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:53:28	101.248%	14.000	14.510	97.888%	0.107	0.072	0.069	0.080
2	21:54:11	103.735%	11.160	11.220	98.858%	0.045	0.051	0.042	0.044
3	21:54:54	103.065%	9.666	9.609	99.438%	0.027	0.039	0.054	0.048
x		102.683%	11.610	11.780	98.728%	0.060	0.054	0.055	0.058
σ		1.287%	2.201	2.496	0.783%	0.042	0.016	0.014	0.019
%RSD		1.253	18.960	21.190	0.793	70.410	30.440	25.150	33.630

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:53:28	101.234%	5.754	0.610	0.649	65.430	65.070	106.951%	106.517%
2	21:54:11	102.744%	4.145	0.556	0.633	65.150	64.860	109.760%	109.344%
3	21:54:54	104.096%	3.491	0.588	0.604	64.660	65.200	111.362%	110.519%
x		102.692%	4.463	0.585	0.629	65.080	65.040	109.358%	108.794%
σ		1.432%	1.164	0.027	0.023	0.390	0.169	2.233%	2.057%
%RSD		1.394	26.090	4.620	3.603	0.599	0.260	2.042	1.891

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	21:53:28	0.142	0.149	0.551	0.450	0.523	101.314%
2	21:54:11	0.092	0.101	0.571	0.466	0.510	104.601%
3	21:54:54	0.079	0.097	0.523	0.535	0.506	105.665%
x		0.104	0.116	0.548	0.484	0.513	103.860%
σ		0.033	0.029	0.024	0.045	0.009	2.268%
%RSD		31.960	25.130	4.448	9.356	1.715	2.184

CCV1-2 11/23/2010 9:59:57 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:40	103.169%	94.930	89.430	92.430	0.000	48190.000	52880.000	52710.000
2	22:01:23	103.677%	96.510	94.000	94.460	0.000	48550.000	53830.000	53400.000
3	22:02:06	102.789%	97.150	93.660	94.580	0.000	48900.000	54440.000	54050.000
x		103.211%	96.195%	92.362%	93.822%	0.000	97.095%	107.433%	106.776%
σ		0.446%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.432	1.188	2.756	1.290	0.000	0.734	1.465	1.252

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:40	523.900	5011.000	0.000	48580.000	48230.000	47830.000	106.251%	96.890
2	22:01:23	533.400	5038.000	0.000	49120.000	48390.000	48380.000	104.279%	99.360
3	22:02:06	537.900	5081.000	0.000	49930.000	49050.000	49070.000	103.349%	99.940
x		106.347%	100.869%	0.000	98.411%	97.113%	96.857%	104.626%	98.732%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.482%	n/a
%RSD		1.341	0.703	0.000	1.381	0.894	1.288	1.416	1.638

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:40	95.720	95.040	482.300	23900.000	23790.000	95.890	98.010	96.690
2	22:01:23	97.160	96.490	488.900	24310.000	24380.000	97.260	98.130	98.000
3	22:02:06	98.230	96.780	499.000	24640.000	24550.000	97.200	96.790	96.790
x		97.038%	96.103%	98.011%	97.134%	96.961%	96.784%	97.644%	97.160%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.297	0.973	1.719	1.519	1.641	0.803	0.756	0.748

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:40	96.880	101.000	98.670	97.860	100.400	99.210	0.000	96.310
2	22:01:23	97.080	100.700	100.400	97.790	100.800	95.920	0.000	96.610
3	22:02:06	97.150	100.400	101.700	100.600	103.400	100.100	0.000	96.730
x		97.036%	100.707%	100.283%	98.759%	101.532%	98.397%	0.000	96.549%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.146	0.259	1.528	1.638	1.578	2.227	0.000	0.227

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:40	108.160%	88.090	87.710	102.948%	97.120	97.040	96.640	96.450
2	22:01:23	108.666%	93.180	94.600	103.707%	95.990	97.050	97.210	97.430
3	22:02:06	108.532%	97.800	99.210	103.699%	97.090	97.190	98.760	97.420
x		108.453%	93.020%	93.841%	103.451%	96.734%	97.096%	97.537%	97.102%
σ		0.262%	n/a	n/a	0.436%	n/a	n/a	n/a	n/a
%RSD		0.242	5.219	6.172	0.422	0.671	0.085	1.126	0.580

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:40	106.939%	95.290	94.310	94.670	96.850	97.120	109.990%	109.377%
2	22:01:23	107.166%	95.770	96.510	96.450	96.120	96.880	110.945%	110.753%
3	22:02:06	106.857%	96.570	97.690	98.300	95.800	96.110	111.969%	111.391%
x		106.988%	95.876%	96.173%	96.473%	96.256%	96.703%	110.968%	110.507%
σ		0.160%	n/a	n/a	n/a	n/a	n/a	0.990%	1.030%
%RSD		0.150	0.676	1.784	1.885	0.559	0.543	0.892	0.932

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:00:40	104.400	104.900	104.600	105.000	105.500	101.811%
2	22:01:23	104.800	105.400	106.400	106.000	106.900	102.166%
3	22:02:06	105.200	105.500	106.400	106.300	106.700	102.891%
x		104.803%	105.253%	105.822%	105.775%	106.368%	102.289%
σ		n/a	n/a	n/a	n/a	n/a	0.550%
%RSD		0.379	0.336	1.010	0.645	0.725	0.538

CCB2 11/23/2010 10:07:11 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:07:54	117.366%	0.029	1.720	1.130	0.000	-35.780	3.186	2.642
2	22:08:37	116.111%	0.022	1.285	1.303	0.000	-34.580	4.526	3.691
3	22:09:20	116.805%	0.015	0.899	1.202	0.000	-35.830	4.165	3.427
x		116.761%	0.022	1.301	1.212	0.000	-35.400	3.959	3.253
σ		0.629%	0.007	0.410	0.087	0.000	0.707	0.694	0.545
%RSD		0.538	32.280	31.540	7.192	0.000	1.997	17.520	16.770

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:07:54	-0.279	-1.716	0.000	3.451	2.231	-3.124	113.743%	-0.331
2	22:08:37	-0.251	-1.588	0.000	2.662	-0.110	5.309	114.090%	-0.395
3	22:09:20	-0.154	-1.897	0.000	2.477	-0.049	0.940	113.027%	-0.330
x		-0.228	-1.734	0.000	2.864	0.691	1.042	113.620%	-0.352
σ		0.066	0.155	0.000	0.517	1.334	4.217	0.542%	0.038
%RSD		28.910	8.963	0.000	18.070	193.200	404.900	0.477	10.680

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:07:54	-0.261	-0.065	0.116	11.430	14.990	-0.001	-0.047	-0.085
2	22:08:37	0.317	-0.079	0.054	10.500	8.997	-0.005	-0.052	-0.072
3	22:09:20	-0.144	-0.056	0.084	10.020	9.096	-0.010	-0.063	-0.111
x		-0.029	-0.067	0.085	10.650	11.030	-0.005	-0.054	-0.089
σ		0.306	0.012	0.031	0.717	3.432	0.004	0.008	0.020
%RSD		1041.000	17.390	36.630	6.727	31.120	83.030	15.370	22.160

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:07:54	-0.112	-0.530	-0.466	-0.026	2.367	-0.161	0.000	-0.002
2	22:08:37	-0.070	-0.612	-0.552	-0.035	2.121	0.812	0.000	0.001
3	22:09:20	-0.088	-0.453	-0.484	0.336	1.264	0.942	0.000	-0.004
x		-0.090	-0.532	-0.501	0.092	1.918	0.531	0.000	-0.002
σ		0.021	0.080	0.046	0.211	0.579	0.603	0.000	0.003
%RSD		23.520	14.950	9.147	230.900	30.200	113.500	0.000	179.600

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:07:54	117.890%	1.740	1.746	116.018%	0.000	-0.001	0.060	0.042
2	22:08:37	117.569%	1.780	1.651	116.614%	0.000	0.010	-0.004	0.020
3	22:09:20	117.821%	1.648	1.467	116.078%	0.003	0.003	-0.023	-0.001
x		117.760%	1.723	1.621	116.237%	0.001	0.004	0.011	0.020
σ		0.169%	0.068	0.142	0.328%	0.001	0.005	0.043	0.021
%RSD		0.143	3.929	8.731	0.282	142.300	134.200	406.900	104.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:07:54	117.008%	-0.016	0.304	0.294	-0.064	-0.009	117.795%	117.700%
2	22:08:37	118.815%	-0.042	0.288	0.315	-0.039	-0.019	118.875%	118.122%
3	22:09:20	118.438%	-0.039	0.320	0.306	-0.056	-0.009	118.525%	118.574%
x		118.087%	-0.033	0.304	0.305	-0.053	-0.013	118.398%	118.132%
σ		0.953%	0.015	0.016	0.010	0.013	0.006	0.551%	0.437%
%RSD		0.807	44.860	5.157	3.435	24.630	45.720	0.466	0.370

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:07:54	0.009	0.014	0.031	0.037	0.031	112.182%
2	22:08:37	0.019	0.016	0.007	0.036	0.024	113.110%
3	22:09:20	0.020	0.011	0.058	0.049	0.049	112.735%
x		0.016	0.013	0.032	0.041	0.035	112.676%
σ		0.006	0.003	0.026	0.008	0.013	0.467%
%RSD		39.620	19.530	80.130	18.970	36.810	0.415

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:12:15	107.631%	0.025	68.690	73.980	0.000	50940.000	39140.000	38600.000
2	22:12:58	108.578%	0.056	70.980	72.730	0.000	50970.000	39670.000	38950.000
3	22:13:41	107.843%	0.033	70.620	73.350	0.000	51110.000	40140.000	39140.000
x		108.018%	0.038	70.100	73.350	0.000	51010.000	39650.000	38900.000
σ		0.497%	0.016	1.227	0.625	0.000	93.430	499.600	277.400
%RSD		0.460	42.140	1.751	0.852	0.000	0.183	1.260	0.713
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:12:15	704.900	10800.000	0.000	10750.000	51230.000	50610.000	102.472%	23.140
2	22:12:58	701.900	10700.000	0.000	10810.000	51320.000	51250.000	101.836%	24.520
3	22:13:41	711.400	10640.000	0.000	10800.000	51410.000	51370.000	101.454%	22.200
x		706.100	10710.000	0.000	10780.000	51320.000	51080.000	101.921%	23.290
σ		4.863	78.610	0.000	33.340	87.940	408.000	0.515%	1.169
%RSD		0.689	0.734	0.000	0.309	0.171	0.799	0.505	5.018
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:12:15	2.204	4.719	3913.000	924.800	1229.000	2.426	9.660	6.689
2	22:12:58	2.357	4.652	3961.000	911.800	1198.000	2.388	9.099	6.816
3	22:13:41	2.144	4.410	3994.000	914.100	1193.000	2.405	9.517	6.681
x		2.235	4.594	3956.000	916.900	1207.000	2.406	9.425	6.729
σ		0.110	0.162	40.360	6.923	19.360	0.019	0.291	0.076
%RSD		4.904	3.536	1.020	0.755	1.604	0.800	3.093	1.131
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:12:15	6.978	21.990	22.080	4.461	3.076	2.293	0.000	348.200
2	22:12:58	6.956	21.690	21.210	4.624	3.428	1.924	0.000	354.200
3	22:13:41	6.644	21.610	22.290	4.544	2.487	1.291	0.000	353.200
x		6.859	21.760	21.860	4.543	2.997	1.836	0.000	351.900
σ		0.187	0.200	0.572	0.081	0.475	0.506	0.000	3.219
%RSD		2.727	0.917	2.618	1.791	15.860	27.590	0.000	0.915
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:12:15	105.255%	10.010	9.760	99.657%	0.036	0.038	0.161	0.118
2	22:12:58	105.252%	8.923	9.274	100.902%	0.037	0.036	0.025	0.023
3	22:13:41	105.658%	8.560	8.644	100.884%	0.048	0.019	0.055	0.086
x		105.388%	9.165	9.226	100.481%	0.040	0.031	0.080	0.076
σ		0.233%	0.756	0.560	0.714%	0.007	0.010	0.071	0.048
%RSD		0.221	8.254	6.067	0.710	17.210	33.650	88.720	63.780
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:12:15	103.458%	3.061	1.494	1.576	91.150	91.380	109.094%	108.952%
2	22:12:58	104.947%	2.761	1.158	1.090	91.740	92.420	110.776%	110.844%
3	22:13:41	106.339%	2.415	1.036	1.018	92.340	92.410	112.457%	112.840%
x		104.915%	2.746	1.229	1.228	91.740	92.070	110.776%	110.879%
σ		1.440%	0.323	0.237	0.303	0.596	0.597	1.681%	1.944%
%RSD		1.373	11.770	19.290	24.710	0.650	0.649	1.518	1.754
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:12:15	0.029	0.041	1.537	1.502	1.502	103.919%		
2	22:12:58	0.025	0.033	1.558	1.426	1.515	105.820%		
3	22:13:41	0.032	0.026	1.615	1.502	1.540	107.667%		
x		0.029	0.034	1.570	1.477	1.519	105.802%		
σ		0.004	0.008	0.041	0.044	0.019	1.874%		
%RSD		12.360	22.810	2.585	2.966	1.267	1.771		

L9WXPF 11/23/2010 10:15:50 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:16:33	111.496%	0.016	11.050	10.710	0.000	23370.000	3169.000	3121.000
2	22:17:16	108.230%	0.009	9.850	11.650	0.000	24120.000	3291.000	3199.000
3	22:17:59	108.973%	-0.006	11.130	10.580	0.000	23910.000	3260.000	3170.000
x		109.567%	0.006	10.670	10.980	0.000	23800.000	3240.000	3163.000
σ		1.712%	0.012	0.715	0.586	0.000	385.600	63.410	39.530
%RSD		1.562	178.800	6.700	5.333	0.000	1.620	1.957	1.249
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:16:33	5.097	2939.000	0.000	1377.000	18710.000	18790.000	102.572%	0.615
2	22:17:16	5.043	2929.000	0.000	1374.000	19060.000	18990.000	101.931%	0.597
3	22:17:59	5.216	2932.000	0.000	1380.000	18430.000	18890.000	102.011%	0.309
x		5.119	2933.000	0.000	1377.000	18730.000	18890.000	102.171%	0.506
σ		0.089	4.728	0.000	3.366	318.100	100.500	0.350%	0.172
%RSD		1.733	0.161	0.000	0.244	1.698	0.532	0.342	33.890
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:16:33	-1.169	3.475	1.434	15.610	128.200	0.068	0.375	10.300
2	22:17:16	-0.001	3.436	1.499	13.490	116.100	0.066	0.422	10.800
3	22:17:59	-0.214	3.439	1.309	11.270	116.400	0.061	0.378	10.680
x		-0.461	3.450	1.414	13.460	120.200	0.065	0.392	10.600
σ		0.622	0.022	0.096	2.170	6.916	0.004	0.026	0.261
%RSD		134.800	0.630	6.818	16.130	5.753	5.484	6.693	2.467
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:16:33	10.820	5.817	6.051	0.858	1.662	0.792	0.000	49.370
2	22:17:16	10.520	5.872	5.431	0.414	0.961	-0.052	0.000	49.370
3	22:17:59	10.580	5.707	5.860	-0.043	1.668	0.058	0.000	49.210
x		10.640	5.799	5.780	0.410	1.430	0.266	0.000	49.320
σ		0.157	0.084	0.318	0.451	0.406	0.459	0.000	0.091
%RSD		1.475	1.444	5.493	109.900	28.420	172.500	0.000	0.185
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:16:33	106.676%	1.102	1.015	103.995%	-0.008	0.009	0.005	0.031
2	22:17:16	108.160%	0.944	0.906	105.432%	0.002	0.008	0.007	0.044
3	22:17:59	108.003%	0.738	0.892	104.525%	0.002	-0.002	0.022	0.064
x		107.613%	0.928	0.938	104.651%	-0.001	0.005	0.011	0.047
σ		0.815%	0.183	0.067	0.727%	0.006	0.006	0.009	0.017
%RSD		0.757	19.680	7.173	0.695	385.500	132.200	77.660	35.470
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:16:33	108.086%	1.703	0.266	0.295	90.740	92.270	114.068%	113.832%
2	22:17:16	109.906%	1.542	0.226	0.323	92.470	91.490	116.035%	116.101%
3	22:17:59	110.116%	1.635	0.224	0.291	90.130	91.770	115.973%	116.273%
x		109.369%	1.627	0.239	0.303	91.110	91.840	115.358%	115.402%
σ		1.116%	0.081	0.023	0.017	1.212	0.394	1.118%	1.362%
%RSD		1.021	4.972	9.717	5.769	1.331	0.429	0.969	1.180
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:16:33	0.019	0.004	0.153	0.137	0.158	110.575%		
2	22:17:16	0.011	0.004	0.177	0.144	0.157	113.133%		
3	22:17:59	0.003	0.001	0.149	0.164	0.161	113.838%		
x		0.011	0.003	0.160	0.148	0.159	112.515%		
σ		0.008	0.002	0.015	0.014	0.002	1.717%		
%RSD		72.020	53.840	9.488	9.239	1.246	1.526		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:50	112.554%	0.016	2.850	3.061	0.000	4791.000	649.100	631.800
2	22:21:33	111.994%	0.001	3.381	2.758	0.000	4737.000	655.100	635.600
3	22:22:16	109.264%	-0.006	2.415	2.711	0.000	4787.000	645.800	640.100
x		111.271%	0.004	2.882	2.843	0.000	4772.000	650.000	635.900
σ		1.760%	0.011	0.484	0.190	0.000	29.920	4.730	4.139
%RSD		1.582	316.800	16.790	6.691	0.000	0.627	0.728	0.651

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:50	0.947	609.800	0.000	283.300	3818.000	3790.000	104.368%	-0.294
2	22:21:33	0.812	600.900	0.000	279.700	3839.000	3831.000	103.935%	-0.364
3	22:22:16	1.316	602.500	0.000	280.900	3808.000	3875.000	104.081%	-0.247
x		1.025	604.400	0.000	281.300	3821.000	3832.000	104.128%	-0.301
σ		0.261	4.761	0.000	1.853	15.850	42.410	0.220%	0.059
%RSD		25.470	0.788	0.000	0.659	0.415	1.107	0.211	19.560

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:50	0.637	0.784	0.210	1.129	20.590	0.001	0.045	2.316
2	22:21:33	-0.363	0.796	0.169	0.377	17.620	0.004	0.076	2.164
3	22:22:16	-0.116	0.743	0.142	0.499	19.470	0.009	0.088	2.093
x		0.053	0.774	0.174	0.668	19.230	0.005	0.070	2.191
σ		0.521	0.027	0.034	0.404	1.504	0.004	0.022	0.114
%RSD		986.300	3.549	19.530	60.400	7.822	81.700	31.810	5.202

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:50	2.036	0.929	1.245	-0.269	2.578	-0.196	0.000	9.901
2	22:21:33	2.456	0.841	0.804	0.057	2.637	-0.317	0.000	9.771
3	22:22:16	2.173	0.962	0.989	-0.185	2.342	-0.151	0.000	10.060
x		2.222	0.911	1.013	-0.132	2.519	-0.221	0.000	9.910
σ		0.214	0.063	0.221	0.169	0.157	0.086	0.000	0.144
%RSD		9.636	6.888	21.840	127.800	6.213	38.660	0.000	1.457

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:50	108.783%	0.441	0.496	107.263%	-0.003	-0.006	0.026	0.020
2	22:21:33	109.223%	0.416	0.443	107.433%	-0.007	-0.006	-0.063	-0.027
3	22:22:16	108.766%	0.337	0.379	107.141%	-0.003	-0.010	-0.028	-0.017
x		108.924%	0.398	0.439	107.279%	-0.004	-0.007	-0.022	-0.008
σ		0.259%	0.054	0.059	0.147%	0.002	0.002	0.045	0.025
%RSD		0.238	13.630	13.380	0.137	59.830	35.540	206.100	319.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:50	110.257%	0.139	0.046	0.062	18.560	18.460	113.068%	113.123%
2	22:21:33	110.438%	0.111	0.032	0.029	17.630	18.710	114.426%	113.992%
3	22:22:16	110.235%	-0.024	0.050	0.043	18.710	19.010	114.179%	114.783%
x		110.310%	0.075	0.043	0.045	18.300	18.730	113.891%	113.966%
σ		0.112%	0.087	0.010	0.017	0.583	0.275	0.723%	0.830%
%RSD		0.101	116.100	22.540	38.030	3.187	1.470	0.635	0.729

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:20:50	0.006	0.006	0.004	0.020	0.008	108.518%
2	22:21:33	-0.001	0.002	-0.005	0.005	-0.003	109.989%
3	22:22:16	0.004	-0.004	0.003	0.011	0.005	110.851%
x		0.003	0.001	0.001	0.012	0.003	109.786%
σ		0.003	0.005	0.005	0.008	0.006	1.179%
%RSD		109.100	336.300	675.600	63.080	189.300	1.074

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:07	101.497%	46.580	914.000	883.900	0.000	69550.000	57060.000	55640.000
2	22:25:50	101.998%	45.950	904.500	881.100	0.000	70720.000	58010.000	56440.000
3	22:26:33	101.141%	45.210	913.800	909.900	0.000	70990.000	58400.000	56600.000
x		101.545%	45.910	910.800	891.700	0.000	70420.000	57820.000	56230.000
σ		0.431%	0.687	5.451	15.870	0.000	763.800	689.600	513.100
%RSD		0.424	1.495	0.599	1.779	0.000	1.085	1.193	0.912
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:07	1992.000	11430.000	0.000	47110.000	65280.000	63510.000	102.264%	894.800
2	22:25:50	1989.000	11370.000	0.000	47460.000	65080.000	64930.000	100.420%	901.400
3	22:26:33	2008.000	11370.000	0.000	47500.000	65470.000	65420.000	99.405%	916.800
x		1996.000	11390.000	0.000	47350.000	65280.000	64620.000	100.696%	904.300
σ		10.170	30.370	0.000	214.700	194.300	994.700	1.450%	11.280
%RSD		0.509	0.267	0.000	0.453	0.298	1.539	1.440	1.248
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:07	457.600	183.900	461.400	933.800	1300.000	455.700	454.200	239.300
2	22:25:50	468.600	188.200	468.200	962.600	1330.000	464.400	457.200	244.600
3	22:26:33	467.800	187.400	474.000	961.400	1318.000	465.400	459.900	242.700
x		464.700	186.500	467.900	952.600	1316.000	461.800	457.100	242.200
σ		6.111	2.266	6.316	16.290	14.930	5.342	2.865	2.707
%RSD		1.315	1.215	1.350	1.710	1.134	1.157	0.627	1.118
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:07	243.300	488.600	487.000	39.170	12.850	10.430	0.000	964.700
2	22:25:50	246.900	494.800	494.500	39.010	12.970	10.300	0.000	968.500
3	22:26:33	246.200	497.300	495.500	38.780	12.010	10.660	0.000	962.400
x		245.500	493.600	492.300	38.990	12.610	10.460	0.000	965.200
σ		1.921	4.470	4.626	0.194	0.526	0.180	0.000	3.097
%RSD		0.783	0.906	0.940	0.497	4.168	1.721	0.000	0.321
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:07	103.650%	938.800	944.300	99.165%	47.810	48.150	49.130	44.990
2	22:25:50	104.927%	959.900	966.300	100.051%	47.920	47.960	48.600	43.590
3	22:26:33	105.915%	974.000	983.700	99.813%	48.120	48.800	48.470	44.470
x		104.831%	957.600	964.700	99.677%	47.950	48.300	48.730	44.350
σ		1.136%	17.700	19.740	0.459%	0.156	0.436	0.348	0.707
%RSD		1.083	1.848	2.047	0.460	0.325	0.902	0.715	1.595
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:25:07	103.048%	1892.000	486.200	488.200	1971.000	1977.000	111.204%	110.789%
2	22:25:50	105.958%	1873.000	483.100	482.100	1942.000	1957.000	114.940%	113.701%
3	22:26:33	105.266%	1890.000	485.300	487.000	1955.000	1964.000	115.267%	115.499%
x		104.757%	1885.000	484.900	485.800	1956.000	1966.000	113.804%	113.330%
σ		1.520%	9.985	1.623	3.224	14.660	10.330	2.257%	2.376%
%RSD		1.451	0.530	0.335	0.664	0.750	0.525	1.984	2.097
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:25:07	48.950	49.070	19.730	21.720	20.740	104.966%		
2	22:25:50	50.010	50.370	19.730	21.340	20.580	107.238%		
3	22:26:33	49.810	49.840	20.050	20.970	20.670	108.772%		
x		49.590	49.760	19.840	21.340	20.660	105.992%		
σ		0.561	0.652	0.185	0.376	0.082	1.915%		
%RSD		1.130	1.310	0.933	1.763	0.396	1.790		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:24	101.843%	46.700	939.400	923.700	0.000	71920.000	58440.000	57450.000
2	22:30:07	99.380%	48.660	952.000	946.000	0.000	74020.000	60230.000	58620.000
3	22:30:50	101.840%	47.400	945.200	914.600	0.000	72360.000	59360.000	57590.000
x		101.021%	47.590	945.500	928.100	0.000	72770.000	59350.000	57890.000
σ		1.421%	0.994	6.338	16.170	0.000	1110.000	897.100	641.100
%RSD		1.407	2.090	0.670	1.743	0.000	1.525	1.512	1.107
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:24	2055.000	11940.000	0.000	48590.000	67610.000	66860.000	98.044%	936.000
2	22:30:07	2081.000	12000.000	0.000	49080.000	67320.000	67270.000	97.675%	931.700
3	22:30:50	2056.000	11740.000	0.000	49100.000	67190.000	66960.000	96.758%	944.700
x		2064.000	11890.000	0.000	48930.000	67370.000	67030.000	97.492%	937.500
σ		14.550	134.900	0.000	286.700	217.500	213.800	0.662%	6.634
%RSD		0.705	1.134	0.000	0.586	0.323	0.319	0.679	0.708
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:24	480.000	192.000	478.000	968.900	1357.000	476.700	474.100	250.100
2	22:30:07	479.300	193.100	478.400	973.400	1340.000	473.100	469.000	250.000
3	22:30:50	481.400	192.500	481.500	974.400	1324.000	471.300	467.600	247.400
x		480.200	192.500	479.300	972.200	1341.000	473.700	470.200	249.200
σ		1.064	0.584	1.931	2.958	16.370	2.780	3.403	1.508
%RSD		0.222	0.303	0.403	0.304	1.221	0.587	0.724	0.605
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:24	252.000	502.500	501.500	38.400	13.760	9.995	0.000	989.900
2	22:30:07	249.500	502.700	500.000	39.450	13.210	11.880	0.000	983.900
3	22:30:50	252.800	502.000	505.500	38.320	13.250	9.985	0.000	986.300
x		251.400	502.400	502.300	38.720	13.400	10.620	0.000	986.700
σ		1.747	0.355	2.861	0.630	0.306	1.093	0.000	3.010
%RSD		0.695	0.071	0.570	1.628	2.281	10.290	0.000	0.305
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:24	101.486%	987.600	988.600	96.916%	49.530	48.500	50.060	45.320
2	22:30:07	102.191%	998.600	1002.000	97.340%	49.150	48.730	49.580	45.910
3	22:30:50	101.981%	1002.000	1014.000	96.760%	49.610	49.200	49.100	46.060
x		101.886%	996.000	1001.000	97.006%	49.430	48.810	49.580	45.760
σ		0.362%	7.376	12.520	0.300%	0.242	0.359	0.479	0.391
%RSD		0.355	0.741	1.251	0.310	0.489	0.735	0.967	0.854
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:29:24	100.749%	1922.000	489.500	491.600	1999.000	2007.000	108.602%	107.415%
2	22:30:07	101.753%	1920.000	489.100	493.700	1996.000	2008.000	109.783%	109.767%
3	22:30:50	101.997%	1918.000	489.000	494.500	1999.000	2004.000	110.865%	111.549%
x		101.500%	1920.000	489.200	493.300	1998.000	2006.000	109.750%	109.577%
σ		0.661%	2.121	0.246	1.510	1.788	1.718	1.131%	2.074%
%RSD		0.651	0.111	0.050	0.306	0.089	0.086	1.031	1.892
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:29:24	50.740	51.140	20.570	22.040	21.280	101.358%		
2	22:30:07	50.720	51.690	20.670	21.820	21.310	102.889%		
3	22:30:50	51.270	51.360	20.320	22.220	21.190	104.265%		
x		50.910	51.390	20.520	22.030	21.260	102.837%		
σ		0.313	0.278	0.180	0.200	0.062	1.454%		
%RSD		0.615	0.541	0.879	0.908	0.290	1.414		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:38:00	105.183%	0.026	15.750	15.650	0.000	23720.000	3185.000	3158.000
2	22:38:44	107.370%	0.025	15.310	15.430	0.000	23600.000	3200.000	3149.000
3	22:39:27	106.317%	0.018	15.800	14.280	0.000	23790.000	3250.000	3177.000
X		106.290%	0.023	15.620	15.120	0.000	23700.000	3212.000	3161.000
σ		1.094%	0.005	0.267	0.734	0.000	94.500	34.290	13.860
%RSD		1.029	19.880	1.711	4.852	0.000	0.399	1.068	0.439

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:38:00	3.865	2929.000	0.000	1347.000	18350.000	18640.000	99.179%	0.850
2	22:38:44	3.669	2923.000	0.000	1379.000	19140.000	18690.000	97.814%	1.168
3	22:39:27	3.916	2889.000	0.000	1372.000	18790.000	18880.000	97.142%	1.077
X		3.817	2913.000	0.000	1366.000	18760.000	18740.000	98.045%	1.031
σ		0.130	21.610	0.000	16.830	393.100	128.300	1.038%	0.164
%RSD		3.415	0.742	0.000	1.232	2.095	0.685	1.059	15.870

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:38:00	-0.386	3.949	1.469	9.550	122.600	0.090	0.417	30.890
2	22:38:44	-0.024	3.635	1.456	8.020	117.700	0.070	0.469	30.660
3	22:39:27	-1.222	3.808	1.446	7.116	115.600	0.076	0.493	31.220
X		-0.544	3.798	1.457	8.229	118.700	0.079	0.460	30.920
σ		0.614	0.157	0.011	1.230	3.608	0.010	0.039	0.284
%RSD		112.900	4.142	0.780	14.950	3.041	13.080	8.493	0.917

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:38:00	30.010	24.720	24.980	-0.959	2.910	-0.271	0.000	48.560
2	22:38:44	31.440	25.760	25.910	-0.515	1.632	0.559	0.000	49.050
3	22:39:27	30.780	25.320	27.280	-0.323	1.822	0.067	0.000	49.100
X		30.740	25.270	26.060	-0.599	2.122	0.118	0.000	48.900
σ		0.719	0.518	1.161	0.326	0.690	0.417	0.000	0.299
%RSD		2.339	2.051	4.455	54.450	32.510	353.600	0.000	0.612

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:38:00	101.700%	9.815	9.961	99.388%	0.003	0.009	0.025	-0.005
2	22:38:44	101.238%	7.328	7.405	99.303%	0.006	0.009	-0.067	-0.025
3	22:39:27	102.651%	5.631	5.542	100.150%	-0.002	-0.000	0.068	0.051
X		101.863%	7.591	7.636	99.614%	0.002	0.006	0.009	0.007
σ		0.720%	2.104	2.219	0.467%	0.004	0.005	0.069	0.039
%RSD		0.707	27.720	29.050	0.469	162.400	90.610	803.600	557.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:38:00	103.035%	6.748	0.230	0.289	89.560	91.880	108.787%	108.373%
2	22:38:44	104.258%	5.064	0.224	0.283	90.120	91.760	110.143%	110.332%
3	22:39:27	103.803%	4.260	0.218	0.235	92.110	90.430	111.064%	110.794%
X		103.699%	5.357	0.224	0.269	90.600	91.350	109.998%	109.833%
σ		0.618%	1.270	0.006	0.030	1.343	0.801	1.145%	1.285%
%RSD		0.596	23.700	2.847	11.070	1.482	0.877	1.041	1.170

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:38:00	0.229	0.216	0.679	0.664	0.655	105.336%
2	22:38:44	0.189	0.171	0.610	0.628	0.637	107.652%
3	22:39:27	0.147	0.170	0.688	0.643	0.651	108.757%
X		0.188	0.186	0.659	0.645	0.648	107.249%
σ		0.041	0.026	0.043	0.018	0.010	1.746%
%RSD		21.690	14.250	6.480	2.817	1.516	1.628

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:42:19	99.631%	0.003	240.100	241.200	0.000	423400.000	105600.000	103100.000
2	22:43:02	97.710%	-0.005	240.600	239.100	0.000	425900.000	107600.000	104800.000
3	22:43:45	99.387%	0.029	235.300	239.000	0.000	432200.000	109200.000	105900.000
x		98.909%	0.009	238.600	239.800	0.000	427100.000	107400.000	104600.000
σ		1.046%	0.018	2.943	1.265	0.000	4539.000	1813.000	1384.000
%RSD		1.057	203.500	1.233	0.527	0.000	1.063	1.688	1.323
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:42:19	5.106	6062.000	0.000	21210.000	81740.000	81120.000	92.276%	1.505
2	22:43:02	4.940	6037.000	0.000	21160.000	80490.000	81010.000	93.314%	1.534
3	22:43:45	5.419	6157.000	0.000	21560.000	81710.000	82210.000	92.318%	1.157
x		5.155	6085.000	0.000	21310.000	81320.000	81450.000	92.636%	1.399
σ		0.244	63.470	0.000	216.200	712.500	666.400	0.588%	0.210
%RSD		4.726	1.043	0.000	1.014	0.876	0.818	0.634	14.990
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:42:19	0.397	3.377	22500.000	13.220	504.900	12.030	14.060	3.273
2	22:43:02	-1.255	3.243	22450.000	12.800	469.500	11.900	14.540	3.285
3	22:43:45	-0.766	3.236	22980.000	12.380	482.200	11.850	15.030	2.901
x		-0.541	3.285	22650.000	12.800	485.500	11.930	14.550	3.153
σ		0.849	0.079	293.400	0.419	17.940	0.094	0.486	0.219
%RSD		156.800	2.415	1.296	3.274	3.695	0.786	3.338	6.931
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:42:19	2.903	11.790	10.750	0.664	3.169	5.751	0.000	742.100
2	22:43:02	2.914	11.360	12.340	3.586	2.866	5.842	0.000	741.700
3	22:43:45	2.715	11.430	11.540	2.462	2.437	6.124	0.000	743.300
x		2.844	11.530	11.540	2.237	2.824	5.906	0.000	742.400
σ		0.112	0.230	0.794	1.474	0.368	0.194	0.000	0.846
%RSD		3.933	1.993	6.884	65.890	13.020	3.289	0.000	0.114
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:42:19	95.573%	3.439	3.623	89.974%	0.003	0.005	0.100	0.082
2	22:43:02	97.413%	2.991	3.170	91.358%	0.004	-0.001	-0.012	0.045
3	22:43:45	99.151%	2.626	2.851	92.331%	0.011	0.007	0.096	0.057
x		97.379%	3.019	3.215	91.221%	0.006	0.004	0.061	0.061
σ		1.789%	0.407	0.388	1.184%	0.004	0.004	0.063	0.019
%RSD		1.838	13.480	12.060	1.298	65.640	107.900	103.700	30.760
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:42:19	95.174%	3.582	0.308	0.389	55.300	55.730	103.235%	103.337%
2	22:43:02	97.175%	3.041	0.347	0.342	55.600	54.910	106.322%	106.474%
3	22:43:45	98.395%	2.938	0.323	0.313	55.370	55.790	108.701%	108.340%
x		96.915%	3.187	0.326	0.348	55.420	55.480	106.086%	106.051%
σ		1.627%	0.346	0.020	0.038	0.157	0.490	2.741%	2.528%
%RSD		1.678	10.860	6.197	11.010	0.283	0.884	2.583	2.384
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:42:19	0.109	0.101	0.049	0.037	0.035	95.294%		
2	22:43:02	0.081	0.086	0.055	0.044	0.052	98.060%		
3	22:43:45	0.063	0.079	0.063	0.040	0.041	99.896%		
x		0.084	0.089	0.056	0.040	0.043	97.750%		
σ		0.023	0.011	0.007	0.004	0.009	2.317%		
%RSD		27.150	12.820	12.950	8.790	20.900	2.370		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:46:37	105.621%	0.018	36.430	37.990	0.000	11760.000	8373.000	8265.000
2	22:47:20	106.876%	-0.006	35.770	36.940	0.000	11860.000	8553.000	8358.000
3	22:48:03	106.055%	-0.006	35.230	35.590	0.000	11860.000	8573.000	8354.000
x		106.184%	0.002	35.810	36.840	0.000	11830.000	8500.000	8326.000
σ		0.637%	0.014	0.600	1.206	0.000	59.610	110.000	52.870
%RSD		0.600	720.400	1.676	3.274	0.000	0.504	1.294	0.635
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:46:37	4.473	4928.000	0.000	1331.000	25630.000	25640.000	99.543%	0.525
2	22:47:20	4.671	4948.000	0.000	1354.000	25750.000	26010.000	98.066%	0.490
3	22:48:03	4.594	4954.000	0.000	1349.000	25620.000	26010.000	97.929%	1.039
x		4.579	4943.000	0.000	1345.000	25670.000	25890.000	98.513%	0.685
σ		0.100	13.600	0.000	11.890	72.250	217.000	0.895%	0.308
%RSD		2.175	0.275	0.000	0.884	0.281	0.838	0.908	44.920
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:46:37	0.537	2.989	61.960	7.761	159.500	0.079	-0.020	0.432
2	22:47:20	-0.320	3.073	63.760	7.067	145.100	0.088	0.060	0.451
3	22:48:03	0.499	2.941	63.810	6.593	151.600	0.064	0.133	0.365
x		0.239	3.001	63.180	7.140	152.100	0.077	0.058	0.416
σ		0.484	0.067	1.054	0.587	7.223	0.012	0.076	0.045
%RSD		202.900	2.235	1.669	8.226	4.749	15.550	132.500	10.910
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:46:37	0.507	4.318	4.326	1.672	2.091	0.363	0.000	775.900
2	22:47:20	0.483	4.350	4.130	2.102	1.233	0.209	0.000	770.400
3	22:48:03	0.425	4.295	4.646	1.793	1.037	0.500	0.000	775.600
x		0.472	4.321	4.367	1.856	1.454	0.357	0.000	773.900
σ		0.042	0.027	0.260	0.222	0.561	0.146	0.000	3.098
%RSD		8.977	0.632	5.956	11.940	38.570	40.830	0.000	0.400
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:46:37	102.960%	2.449	2.674	100.876%	0.001	0.003	0.050	0.016
2	22:47:20	104.056%	2.220	2.700	101.313%	0.003	0.003	0.100	0.057
3	22:48:03	103.862%	2.390	2.253	102.132%	0.005	-0.007	-0.000	-0.005
x		103.626%	2.353	2.542	101.440%	0.003	-0.000	0.050	0.022
σ		0.585%	0.119	0.251	0.637%	0.002	0.005	0.050	0.032
%RSD		0.564	5.048	9.861	0.628	70.060	1132.000	100.400	140.900
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:46:37	104.242%	1.784	0.116	0.141	669.900	670.500	110.472%	110.940%
2	22:47:20	105.598%	1.937	0.109	0.127	667.200	671.600	112.736%	112.409%
3	22:48:03	106.978%	1.743	0.117	0.165	670.400	675.000	111.714%	113.321%
x		105.606%	1.821	0.114	0.144	669.200	672.400	111.641%	112.224%
σ		1.368%	0.103	0.005	0.019	1.701	2.322	1.134%	1.201%
%RSD		1.296	5.630	4.022	13.170	0.254	0.345	1.016	1.070
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:46:37	0.048	0.060	0.022	0.016	0.023	107.655%		
2	22:47:20	0.050	0.078	0.010	-0.010	0.010	109.521%		
3	22:48:03	0.060	0.059	0.007	0.005	0.008	109.853%		
x		0.053	0.066	0.013	0.004	0.014	109.009%		
σ		0.006	0.010	0.008	0.013	0.008	1.185%		
%RSD		11.960	15.800	62.160	328.200	57.450	1.087		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:56	108.356%	0.002	10.360	10.080	0.000	7854.000	1614.000	1567.000
2	22:51:39	106.354%	0.018	10.440	9.996	0.000	7916.000	1651.000	1589.000
3	22:52:22	107.275%	0.018	9.411	9.395	0.000	7941.000	1634.000	1582.000
x		107.329%	0.012	10.070	9.823	0.000	7904.000	1633.000	1580.000
σ		1.002%	0.009	0.573	0.373	0.000	44.690	18.530	11.240
%RSD		0.934	75.470	5.686	3.800	0.000	0.565	1.135	0.712

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:56	10.610	912.800	0.000	1329.000	6552.000	6683.000	99.738%	0.475
2	22:51:39	11.590	917.000	0.000	1354.000	6761.000	6796.000	97.128%	0.348
3	22:52:22	11.080	906.500	0.000	1349.000	6690.000	6900.000	96.804%	0.527
x		11.090	912.100	0.000	1344.000	6667.000	6793.000	97.890%	0.450
σ		0.489	5.291	0.000	13.430	106.300	108.500	1.608%	0.092
%RSD		4.413	0.580	0.000	1.000	1.594	1.597	1.643	20.460

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:56	0.358	3.320	50.540	6.557	46.400	0.080	0.348	1.243
2	22:51:39	1.696	3.232	51.180	5.992	42.580	0.058	0.329	1.171
3	22:52:22	0.252	3.232	51.100	6.181	36.610	0.077	0.486	1.246
x		0.768	3.261	50.940	6.243	41.860	0.072	0.388	1.220
σ		0.805	0.051	0.348	0.287	4.932	0.012	0.085	0.043
%RSD		104.700	1.562	0.682	4.603	11.780	17.220	22.050	3.489

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:56	1.263	9.449	9.366	-0.048	1.508	0.458	0.000	22.700
2	22:51:39	1.249	9.409	9.318	-0.078	1.199	0.176	0.000	22.790
3	22:52:22	1.289	9.599	9.966	0.902	1.627	0.058	0.000	22.720
x		1.267	9.485	9.550	0.258	1.444	0.231	0.000	22.730
σ		0.020	0.100	0.361	0.558	0.221	0.205	0.000	0.048
%RSD		1.581	1.056	3.782	215.700	15.300	89.090	0.000	0.210

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:56	102.095%	1.064	1.123	101.308%	-0.002	-0.003	-0.008	0.026
2	22:51:39	103.366%	0.954	0.930	101.821%	-0.002	0.002	0.014	0.040
3	22:52:22	103.601%	1.009	0.913	103.028%	-0.001	-0.010	0.063	0.034
x		103.021%	1.009	0.989	102.053%	-0.001	-0.004	0.023	0.033
σ		0.810%	0.055	0.117	0.883%	0.001	0.006	0.037	0.007
%RSD		0.787	5.475	11.830	0.865	49.460	171.800	159.500	20.610

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:56	104.676%	1.452	0.153	0.165	46.300	45.840	109.883%	110.397%
2	22:51:39	105.431%	1.351	0.160	0.196	45.470	45.670	112.130%	111.900%
3	22:52:22	105.943%	1.414	0.224	0.160	45.200	45.370	112.920%	112.993%
x		105.350%	1.406	0.179	0.173	45.660	45.630	111.644%	111.764%
σ		0.637%	0.051	0.039	0.020	0.574	0.242	1.575%	1.303%
%RSD		0.605	3.628	21.980	11.270	1.258	0.530	1.411	1.166

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:56	0.040	0.048	0.045	0.058	0.034	108.229%
2	22:51:39	0.046	0.036	0.054	0.031	0.042	110.715%
3	22:52:22	0.038	0.038	0.032	0.007	0.017	111.962%
x		0.041	0.041	0.044	0.032	0.031	110.302%
σ		0.004	0.007	0.011	0.026	0.013	1.900%
%RSD		10.450	16.340	25.070	80.210	40.800	1.723

L90V1F 11/23/2010 10:54:32 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:15	104.861%	0.002	10.540	10.350	0.000	12800.000	2833.000	2781.000
2	22:55:58	107.196%	0.018	10.200	10.570	0.000	12820.000	2827.000	2731.000
3	22:56:42	106.030%	0.002	11.400	11.840	0.000	13000.000	2884.000	2808.000
X		106.029%	0.007	10.720	10.920	0.000	12880.000	2848.000	2773.000
σ		1.167%	0.009	0.618	0.803	0.000	113.300	31.250	39.270
%RSD		1.101	124.700	5.768	7.355	0.000	0.880	1.097	1.416
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:15	3.666	1494.000	0.000	1884.000	11700.000	11900.000	97.123%	0.600
2	22:55:58	3.637	1497.000	0.000	1899.000	12520.000	12140.000	96.983%	0.450
3	22:56:42	3.766	1501.000	0.000	1899.000	12220.000	12260.000	96.631%	0.251
X		3.690	1498.000	0.000	1894.000	12150.000	12100.000	96.912%	0.434
σ		0.067	3.522	0.000	8.533	413.400	185.100	0.254%	0.175
%RSD		1.826	0.235	0.000	0.451	3.404	1.530	0.262	40.420
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:15	0.648	3.119	10.400	10.540	71.490	0.054	0.394	0.771
2	22:55:58	-0.394	3.099	10.340	10.110	75.010	0.073	0.306	0.829
3	22:56:42	0.758	2.974	10.600	10.720	72.460	0.062	0.264	0.772
X		0.338	3.064	10.450	10.460	72.980	0.063	0.322	0.791
σ		0.636	0.079	0.135	0.312	1.815	0.010	0.066	0.033
%RSD		188.300	2.572	1.297	2.987	2.487	15.580	20.610	4.196
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:15	1.013	3.448	2.910	-0.392	1.892	-0.173	0.000	35.210
2	22:55:58	0.836	3.465	3.404	0.235	1.590	0.568	0.000	36.050
3	22:56:42	0.882	3.052	3.024	0.869	1.135	0.040	0.000	35.680
X		0.910	3.322	3.113	0.237	1.539	0.145	0.000	35.650
σ		0.092	0.234	0.259	0.630	0.381	0.382	0.000	0.421
%RSD		10.050	7.046	8.310	265.900	24.760	263.400	0.000	1.180
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:15	101.924%	0.674	0.804	100.319%	0.004	-0.002	-0.018	-0.005
2	22:55:58	103.660%	0.663	0.705	101.567%	-0.003	-0.007	-0.078	-0.042
3	22:56:42	104.701%	0.629	0.586	102.027%	-0.005	-0.002	0.091	0.067
X		103.428%	0.656	0.698	101.304%	-0.001	-0.003	-0.002	0.006
σ		1.403%	0.024	0.109	0.884%	0.005	0.003	0.086	0.055
%RSD		1.356	3.597	15.650	0.872	354.400	75.970	4841.000	882.000
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:55:15	104.167%	1.231	0.121	0.159	27.030	27.520	111.017%	109.941%
2	22:55:58	105.908%	1.093	0.103	0.140	26.520	26.870	112.346%	112.183%
3	22:56:42	106.164%	0.924	0.123	0.150	27.630	28.120	114.061%	113.518%
X		105.413%	1.083	0.116	0.150	27.060	27.500	112.475%	111.881%
σ		1.087%	0.154	0.011	0.009	0.556	0.627	1.526%	1.808%
%RSD		1.031	14.210	9.308	6.136	2.053	2.280	1.357	1.616
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	22:55:15	0.019	0.030	-0.011	0.006	0.006	108.452%		
2	22:55:58	0.019	0.025	0.025	0.002	0.003	109.985%		
3	22:56:42	0.021	0.031	0.010	0.010	0.004	111.331%		
X		0.020	0.029	0.008	0.006	0.004	109.923%		
σ		0.001	0.003	0.018	0.004	0.001	1.441%		
%RSD		6.103	11.900	222.300	63.980	30.290	1.311		

CCV1-3 11/23/2010 11:01:45 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:28	95.979%	97.100	97.010	95.280	0.000	48230.000	53160.000	52680.000
2	23:03:11	97.030%	95.600	93.640	93.080	0.000	47590.000	53580.000	53090.000
3	23:03:54	96.429%	93.990	94.760	92.630	0.000	47880.000	54350.000	53490.000
x		96.479%	95.563%	95.136%	93.661%	0.000	95.803%	107.391%	106.174%
σ		0.527%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.546	1.627	1.803	1.512	0.000	0.664	1.120	0.767
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:28	523.900	4879.000	0.000	47500.000	46120.000	46830.000	100.050%	96.320
2	23:03:11	524.800	4899.000	0.000	47940.000	47710.000	47490.000	99.789%	94.620
3	23:03:54	525.200	4905.000	0.000	48550.000	48240.000	47600.000	99.784%	95.150
x		104.925%	97.888%	0.000	95.995%	94.715%	94.606%	99.874%	95.361%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.152%	n/a
%RSD		0.133	0.286	0.000	1.095	2.331	0.881	0.152	0.915
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:28	93.620	93.700	472.700	23700.000	23560.000	94.710	94.660	95.020
2	23:03:11	93.950	93.190	476.300	23840.000	23650.000	95.000	96.200	95.080
3	23:03:54	94.220	93.470	476.900	23880.000	23790.000	94.320	95.670	94.540
x		93.927%	93.451%	95.055%	95.221%	94.667%	94.679%	95.509%	94.876%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.321	0.270	0.476	0.377	0.475	0.363	0.822	0.312
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:28	96.510	98.840	100.300	95.300	100.900	94.680	0.000	95.770
2	23:03:11	95.990	99.340	101.700	97.420	99.660	100.600	0.000	96.010
3	23:03:54	95.260	98.860	98.700	97.370	100.600	93.740	0.000	96.580
x		95.922%	99.012%	100.248%	96.697%	100.416%	96.337%	0.000	96.120%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.654	0.286	1.518	1.251	0.669	3.854	0.000	0.431
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:28	100.318%	86.840	85.930	96.935%	96.360	95.820	97.320	96.660
2	23:03:11	101.104%	93.810	92.620	97.425%	95.910	96.040	95.220	96.410
3	23:03:54	101.954%	94.920	96.690	98.282%	95.180	95.640	95.750	96.240
x		101.125%	91.857%	91.747%	97.547%	95.817%	95.836%	96.095%	96.436%
σ		0.818%	n/a	n/a	0.682%	n/a	n/a	n/a	n/a
%RSD		0.809	4.772	5.923	0.699	0.626	0.209	1.137	0.221
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:28	99.990%	94.170	93.920	94.300	95.320	94.990	105.198%	104.112%
2	23:03:11	101.460%	95.370	96.050	96.090	96.940	95.850	106.345%	106.359%
3	23:03:54	102.474%	95.540	96.680	97.010	94.580	96.330	107.013%	107.213%
x		101.308%	95.027%	95.552%	95.797%	95.614%	95.725%	106.185%	105.894%
σ		1.249%	n/a	n/a	n/a	n/a	n/a	0.918%	1.602%
%RSD		1.233	0.782	1.512	1.435	1.261	0.708	0.865	1.513
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:02:28	103.100	104.300	104.100	103.900	104.600	98.658%		
2	23:03:11	103.600	104.500	104.600	104.600	105.500	99.920%		
3	23:03:54	103.700	104.600	105.300	105.500	106.000	100.754%		
x		103.477%	104.457%	104.672%	104.689%	105.360%	99.777%		
σ		n/a	n/a	n/a	n/a	n/a	1.055%		
%RSD		0.294	0.137	0.598	0.756	0.696	1.058		

CCB3 11/23/2010 11:08:59 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:09:42	109.439%	0.017	1.324	1.341	0.000	-34.400	2.422	2.382
2	23:10:25	107.811%	0.017	0.939	1.453	0.000	-32.230	3.782	2.537
3	23:11:07	108.869%	0.025	1.861	1.425	0.000	-32.840	2.427	3.794
x		108.706%	0.020	1.374	1.406	0.000	-33.160	2.877	2.904
σ		0.826%	0.004	0.463	0.058	0.000	1.121	0.783	0.774
%RSD		0.760	22.600	33.700	4.143	0.000	3.382	27.230	26.670
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:09:42	-0.445	-2.047	0.000	4.019	8.473	2.855	101.874%	-0.337
2	23:10:25	-0.395	-1.498	0.000	5.007	5.944	1.584	101.451%	-0.337
3	23:11:07	-0.383	-1.919	0.000	4.210	5.850	4.808	102.183%	-0.362
x		-0.407	-1.821	0.000	4.412	6.756	3.082	101.836%	-0.345
σ		0.033	0.287	0.000	0.524	1.488	1.624	0.368%	0.014
%RSD		8.036	15.770	0.000	11.880	22.030	52.680	0.361	4.128
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:09:42	-0.038	0.060	0.030	7.446	12.060	0.003	-0.068	-0.067
2	23:10:25	-0.404	0.039	0.026	6.678	7.726	0.002	-0.030	-0.037
3	23:11:07	0.193	0.049	0.040	5.418	4.934	-0.012	-0.044	-0.086
x		-0.083	0.050	0.032	6.514	8.241	-0.002	-0.047	-0.063
σ		0.301	0.011	0.007	1.024	3.593	0.008	0.019	0.024
%RSD		362.200	21.380	22.620	15.720	43.590	374.100	40.330	38.620
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:09:42	-0.060	-0.540	-0.443	0.186	2.851	0.269	0.000	-0.007
2	23:10:25	-0.070	-0.547	-0.600	0.277	2.226	0.589	0.000	-0.008
3	23:11:07	-0.150	-0.603	-0.403	0.010	2.496	0.093	0.000	-0.001
x		-0.094	-0.563	-0.482	0.158	2.524	0.317	0.000	-0.005
σ		0.049	0.034	0.105	0.136	0.314	0.251	0.000	0.004
%RSD		52.480	6.123	21.680	85.980	12.420	79.310	0.000	71.440
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:09:42	105.455%	1.452	1.489	104.468%	-0.002	0.007	-0.008	0.005
2	23:10:25	105.135%	1.283	1.291	105.113%	0.005	0.004	-0.071	-0.032
3	23:11:07	106.265%	1.113	1.147	105.046%	0.000	0.001	-0.045	-0.008
x		105.618%	1.283	1.309	104.876%	0.001	0.004	-0.041	-0.012
σ		0.583%	0.169	0.172	0.355%	0.004	0.003	0.031	0.019
%RSD		0.552	13.190	13.150	0.338	354.100	85.070	76.070	157.500
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:09:42	106.762%	-0.050	0.269	0.243	-0.055	-0.013	108.541%	107.264%
2	23:10:25	107.348%	-0.092	0.302	0.300	-0.036	-0.024	109.131%	108.788%
3	23:11:07	107.870%	-0.075	0.256	0.257	-0.046	-0.013	110.679%	109.745%
x		107.327%	-0.073	0.276	0.266	-0.046	-0.016	109.450%	108.599%
σ		0.554%	0.021	0.024	0.030	0.009	0.006	1.105%	1.251%
%RSD		0.516	29.040	8.746	11.170	20.520	37.630	1.009	1.152
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:09:42	0.015	0.012	-0.007	0.003	0.008	102.818%		
2	23:10:25	0.017	0.015	0.027	0.016	0.020	104.918%		
3	23:11:07	0.023	0.013	-0.009	-0.004	0.000	105.869%		
x		0.018	0.013	0.003	0.005	0.009	104.535%		
σ		0.004	0.001	0.020	0.010	0.010	1.562%		
%RSD		22.760	10.370	584.200	217.300	104.800	1.494		

L90V3F 11/23/2010 11:13:20 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:03	106.996%	0.002	9.293	9.664	0.000	12950.000	2818.000	2767.000
2	23:14:46	104.831%	0.026	9.598	10.460	0.000	13200.000	2923.000	2827.000
3	23:15:29	104.761%	-0.014	10.290	10.590	0.000	13320.000	2924.000	2866.000
x		105.529%	0.005	9.727	10.240	0.000	13160.000	2888.000	2820.000
σ		1.271%	0.020	0.511	0.500	0.000	185.700	60.990	49.650
%RSD		1.204	434.600	5.252	4.884	0.000	1.412	2.111	1.761
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:03	3.193	1462.000	0.000	1933.000	12040.000	12230.000	98.278%	0.588
2	23:14:46	3.558	1504.000	0.000	1933.000	12060.000	12210.000	98.375%	0.686
3	23:15:29	3.515	1479.000	0.000	1931.000	11830.000	12250.000	97.605%	0.395
x		3.422	1482.000	0.000	1932.000	11980.000	12230.000	98.086%	0.556
σ		0.200	21.100	0.000	0.958	128.400	17.420	0.419%	0.148
%RSD		5.835	1.424	0.000	0.050	1.072	0.142	0.428	26.660
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:03	1.111	3.171	1.287	26.470	101.000	0.076	0.187	0.915
2	23:14:46	0.381	3.063	1.291	9.788	80.480	0.063	0.166	0.859
3	23:15:29	0.294	2.919	1.313	5.603	76.450	0.079	0.248	0.808
x		0.595	3.051	1.297	13.950	85.980	0.072	0.200	0.861
σ		0.448	0.127	0.014	11.040	13.160	0.009	0.043	0.053
%RSD		75.340	4.154	1.066	79.120	15.310	11.750	21.420	6.216
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:03	0.998	3.223	3.611	0.133	2.644	0.211	0.000	36.730
2	23:14:46	0.883	3.293	3.362	0.093	2.215	0.029	0.000	36.470
3	23:15:29	0.850	3.052	3.573	-0.086	1.492	0.071	0.000	36.730
x		0.910	3.189	3.515	0.047	2.117	0.103	0.000	36.640
σ		0.078	0.124	0.134	0.117	0.582	0.095	0.000	0.148
%RSD		8.535	3.883	3.814	250.100	27.490	92.260	0.000	0.405
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:03	101.109%	2.080	2.130	99.708%	0.004	0.003	0.035	0.026
2	23:14:46	102.304%	1.409	1.421	100.455%	-0.003	0.003	-0.077	-0.027
3	23:15:29	102.121%	1.153	1.074	100.895%	0.003	-0.003	0.039	0.042
x		101.845%	1.547	1.541	100.353%	0.001	0.001	-0.001	0.013
σ		0.644%	0.479	0.538	0.600%	0.004	0.004	0.066	0.036
%RSD		0.632	30.950	34.900	0.598	326.100	515.200	4790.000	268.600
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:03	103.335%	1.672	0.848	0.840	26.080	26.270	108.206%	108.214%
2	23:14:46	104.185%	1.271	0.634	0.607	25.870	25.980	110.299%	110.373%
3	23:15:29	105.607%	1.326	0.474	0.433	25.850	26.940	110.830%	111.186%
x		104.375%	1.423	0.652	0.626	25.930	26.400	109.778%	109.925%
σ		1.148%	0.218	0.188	0.204	0.127	0.496	1.387%	1.536%
%RSD		1.100	15.300	28.780	32.620	0.488	1.879	1.264	1.397
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:14:03	0.011	0.023	0.016	0.025	0.018	106.434%		
2	23:14:46	0.009	0.019	0.052	0.030	0.026	108.526%		
3	23:15:29	0.013	0.011	0.021	0.012	0.017	108.846%		
x		0.011	0.017	0.030	0.022	0.020	107.935%		
σ		0.002	0.006	0.019	0.009	0.005	1.310%		
%RSD		19.970	35.680	65.100	40.230	25.420	1.213		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:23	103.476%	0.027	216.000	214.100	0.000	41260.000	16560.000	16150.000
2	23:19:05	104.242%	-0.006	213.600	210.700	0.000	41320.000	16750.000	16370.000
3	23:19:49	103.988%	0.010	216.200	209.900	0.000	41490.000	16950.000	16390.000
x		103.902%	0.010	215.300	211.500	0.000	41360.000	16750.000	16300.000
σ		0.390%	0.016	1.416	2.251	0.000	116.400	194.600	133.300
%RSD		0.375	157.100	0.658	1.064	0.000	0.281	1.161	0.818
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:23	15.520	6624.000	0.000	6654.000	116400.000	124000.000	96.348%	1.244
2	23:19:05	16.490	6626.000	0.000	6674.000	117500.000	115700.000	96.542%	1.088
3	23:19:49	18.330	6792.000	0.000	6664.000	117600.000	125300.000	96.449%	1.165
x		16.780	6681.000	0.000	6664.000	117100.000	121700.000	96.447%	1.166
σ		1.430	96.690	0.000	10.170	647.000	5184.000	0.097%	0.078
%RSD		8.523	1.447	0.000	0.153	0.552	4.261	0.100	6.724
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:23	-0.168	2.729	970.200	64.900	786.100	1.983	2.312	0.818
2	23:19:05	0.336	2.772	968.800	64.180	788.700	1.887	1.893	0.829
3	23:19:49	-0.039	2.732	972.600	64.340	747.000	1.884	2.380	0.716
x		0.043	2.745	970.500	64.480	773.900	1.918	2.195	0.788
σ		0.262	0.024	1.955	0.377	23.360	0.056	0.264	0.063
%RSD		608.700	0.857	0.201	0.584	3.018	2.928	12.020	7.938
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:23	1.138	6.422	6.121	-0.303	2.335	-0.163	0.000	318.200
2	23:19:05	0.997	6.422	6.209	0.592	1.773	1.145	0.000	316.600
3	23:19:49	1.010	6.218	5.833	-0.296	1.313	0.222	0.000	315.800
x		1.048	6.354	6.054	-0.003	1.807	0.401	0.000	316.900
σ		0.078	0.117	0.197	0.515	0.512	0.672	0.000	1.196
%RSD		7.439	1.849	3.246	20050.000	28.310	167.400	0.000	0.378
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:23	98.514%	0.858	0.712	95.347%	-0.004	-0.008	0.168	0.160
2	23:19:05	100.618%	0.585	0.707	96.470%	0.002	0.003	0.102	0.121
3	23:19:49	101.303%	0.485	0.520	97.549%	0.000	0.016	0.089	0.109
x		100.145%	0.642	0.646	96.455%	-0.001	0.004	0.120	0.130
σ		1.453%	0.193	0.109	1.101%	0.003	0.012	0.042	0.027
%RSD		1.451	29.990	16.920	1.142	418.500	308.800	35.340	20.690
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:18:23	100.622%	1.224	0.304	0.281	34.340	35.170	105.689%	106.085%
2	23:19:05	102.103%	1.093	0.231	0.291	33.620	34.160	109.242%	108.080%
3	23:19:49	102.754%	1.094	0.222	0.193	35.770	35.150	109.415%	109.227%
x		101.826%	1.137	0.252	0.255	34.580	34.830	108.115%	107.797%
σ		1.093%	0.076	0.045	0.054	1.093	0.582	2.103%	1.590%
%RSD		1.073	6.658	17.930	21.240	3.161	1.670	1.945	1.475
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:18:23	0.034	0.019	0.126	0.081	0.109	99.548%		
2	23:19:05	0.029	0.022	0.099	0.135	0.110	102.706%		
3	23:19:49	0.021	0.021	0.093	0.087	0.110	104.298%		
x		0.028	0.021	0.106	0.101	0.109	102.184%		
σ		0.006	0.001	0.017	0.030	0.001	2.418%		
%RSD		22.750	6.781	16.290	29.390	0.517	2.366		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:22:43	103.931%	0.027	275.900	278.500	0.000	46890.000	16420.000	15960.000
2	23:23:26	102.438%	0.002	288.500	284.500	0.000	47470.000	16630.000	16130.000
3	23:24:09	100.075%	0.020	300.500	291.600	0.000	48600.000	17000.000	16320.000
x		102.148%	0.016	288.300	284.900	0.000	47650.000	16680.000	16130.000
σ		1.944%	0.012	12.280	6.532	0.000	869.400	293.800	180.200
%RSD		1.903	76.530	4.261	2.293	0.000	1.824	1.762	1.117
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:22:43	5.304	6264.000	0.000	6617.000	92970.000	93550.000	95.037%	1.318
2	23:23:26	5.678	6202.000	0.000	6601.000	94770.000	94250.000	95.233%	1.236
3	23:24:09	5.643	6217.000	0.000	6618.000	93140.000	94120.000	95.118%	1.136
x		5.541	6228.000	0.000	6612.000	93630.000	93980.000	95.129%	1.230
σ		0.206	32.330	0.000	9.060	997.000	371.300	0.099%	0.091
%RSD		3.727	0.519	0.000	0.137	1.065	0.395	0.104	7.402
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:22:43	0.388	2.855	942.000	1699.000	2240.000	0.976	1.025	0.411
2	23:23:26	-0.515	2.648	940.700	1689.000	2229.000	0.980	0.948	0.309
3	23:24:09	0.572	2.894	948.900	1708.000	2241.000	1.008	0.922	0.266
x		0.148	2.799	943.900	1699.000	2236.000	0.988	0.965	0.329
σ		0.582	0.132	4.427	9.266	6.764	0.017	0.054	0.074
%RSD		391.600	4.716	0.469	0.545	0.302	1.759	5.589	22.630
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:22:43	0.466	2.060	2.299	2.839	2.540	0.991	0.000	393.900
2	23:23:26	0.590	2.097	2.070	1.584	1.907	-0.269	0.000	393.100
3	23:24:09	0.324	2.292	2.144	3.190	1.159	0.690	0.000	393.100
x		0.460	2.150	2.171	2.537	1.869	0.471	0.000	393.400
σ		0.133	0.124	0.117	0.844	0.691	0.658	0.000	0.466
%RSD		28.860	5.784	5.389	33.280	36.980	139.800	0.000	0.118
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:22:43	99.309%	2.697	2.638	96.052%	0.004	0.008	-0.023	-0.014
2	23:23:26	100.552%	2.697	2.917	96.471%	-0.001	0.008	-0.059	-0.042
3	23:24:09	100.109%	2.829	2.775	96.401%	-0.004	0.002	-0.154	-0.091
x		99.990%	2.741	2.777	96.308%	-0.001	0.006	-0.079	-0.049
σ		0.630%	0.076	0.140	0.225%	0.004	0.004	0.067	0.039
%RSD		0.630	2.777	5.027	0.233	571.300	61.170	85.540	79.160
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:22:43	100.607%	1.016	0.151	0.142	39.970	39.870	108.428%	107.661%
2	23:23:26	102.861%	1.006	0.146	0.134	39.290	39.380	109.628%	109.784%
3	23:24:09	101.735%	1.068	0.102	0.146	38.780	39.950	111.379%	110.421%
x		101.735%	1.030	0.133	0.141	39.350	39.730	109.812%	109.289%
σ		1.127%	0.034	0.027	0.006	0.598	0.305	1.484%	1.445%
%RSD		1.108	3.266	20.430	4.469	1.520	0.768	1.351	1.323
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:22:43	0.013	0.012	0.029	0.046	0.045	103.196%		
2	23:23:26	0.014	0.005	0.048	0.038	0.045	105.306%		
3	23:24:09	0.010	0.009	0.074	0.065	0.051	106.343%		
x		0.012	0.009	0.050	0.050	0.047	104.948%		
σ		0.002	0.003	0.023	0.014	0.003	1.604%		
%RSD		15.910	38.300	45.400	28.160	6.841	1.528		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:01	101.581%	0.086	73.250	75.400	0.000	12850.000	13420.000	13080.000
2	23:27:44	101.903%	0.136	73.900	71.500	0.000	12950.000	13700.000	13190.000
3	23:28:27	102.383%	0.003	74.470	74.050	0.000	13040.000	13610.000	13160.000
x		101.956%	0.075	73.870	73.650	0.000	12950.000	13580.000	13140.000
σ		0.403%	0.067	0.611	1.980	0.000	94.860	144.900	56.470
%RSD		0.396	90.080	0.828	2.688	0.000	0.733	1.067	0.430
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:01	2095.000	11170.000	0.000	1966.000	38740.000	38860.000	95.691%	22.380
2	23:27:44	2143.000	11270.000	0.000	1997.000	39390.000	39170.000	94.236%	20.190
3	23:28:27	2126.000	11150.000	0.000	1995.000	38890.000	39380.000	94.136%	22.040
x		2121.000	11200.000	0.000	1986.000	39000.000	39140.000	94.688%	21.540
σ		24.510	67.270	0.000	17.070	343.700	262.100	0.870%	1.177
%RSD		1.156	0.601	0.000	0.859	0.881	0.670	0.919	5.467
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:01	4.148	5.586	728.100	9614.000	9597.000	3.721	7.072	10.020
2	23:27:44	4.141	5.444	737.200	9735.000	9771.000	3.617	6.714	9.866
3	23:28:27	3.324	5.499	744.100	9796.000	9850.000	3.811	7.327	10.210
x		3.871	5.510	736.500	9715.000	9739.000	3.716	7.038	10.030
σ		0.474	0.071	7.995	92.570	129.800	0.097	0.308	0.171
%RSD		12.250	1.296	1.086	0.953	1.333	2.621	4.378	1.706
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:01	10.020	96.790	97.040	14.810	2.243	0.060	0.000	127.400
2	23:27:44	10.320	96.510	97.350	15.400	2.293	0.139	0.000	127.200
3	23:28:27	10.020	98.300	99.130	15.490	0.916	-0.828	0.000	127.200
x		10.120	97.200	97.840	15.230	1.817	-0.210	0.000	127.300
σ		0.174	0.963	1.128	0.372	0.781	0.537	0.000	0.127
%RSD		1.720	0.991	1.153	2.443	42.990	256.100	0.000	0.100
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:01	101.240%	0.637	0.691	96.213%	0.034	0.019	0.018	0.055
2	23:27:44	102.792%	0.666	0.578	97.352%	0.043	0.011	0.202	0.190
3	23:28:27	103.866%	0.694	0.674	97.826%	0.031	0.031	0.066	0.145
x		102.633%	0.666	0.647	97.130%	0.036	0.020	0.095	0.130
σ		1.320%	0.028	0.061	0.829%	0.006	0.010	0.095	0.069
%RSD		1.286	4.273	9.462	0.853	17.860	49.310	100.100	52.940
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:27:01	101.351%	1.104	0.191	0.228	66.100	66.390	107.603%	107.289%
2	23:27:44	101.728%	0.971	0.168	0.231	65.810	65.730	109.433%	109.202%
3	23:28:27	102.631%	1.072	0.214	0.177	66.380	66.830	110.126%	110.411%
x		101.903%	1.049	0.191	0.212	66.100	66.310	109.054%	108.967%
σ		0.658%	0.070	0.023	0.030	0.287	0.555	1.304%	1.574%
%RSD		0.646	6.644	11.800	14.310	0.434	0.837	1.195	1.445
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:27:01	0.054	0.055	2.703	2.748	2.700	102.748%		
2	23:27:44	0.041	0.051	2.736	2.606	2.683	105.029%		
3	23:28:27	0.043	0.042	2.831	2.585	2.728	106.572%		
x		0.046	0.050	2.756	2.646	2.704	104.783%		
σ		0.007	0.007	0.066	0.089	-0.023	1.924%		
%RSD		15.350	13.180	2.408	3.363	0.838	1.836		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:31:18	99.985%	0.011	285.700	277.400	0.000	46920.000	16120.000	15720.000
2	23:32:01	99.364%	-0.006	285.700	278.100	0.000	46660.000	16200.000	15750.000
3	23:32:44	101.242%	0.011	279.500	271.600	0.000	46360.000	16050.000	15480.000
x		100.197%	0.006	283.600	275.700	0.000	46650.000	16120.000	15650.000
σ		0.957%	0.010	3.581	3.564	0.000	275.300	76.140	150.100
%RSD		0.955	171.900	1.263	1.293	0.000	0.590	0.472	0.959
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:31:18	6.565	6173.000	0.000	6502.000	91440.000	97990.000	93.380%	1.297
2	23:32:01	6.531	6122.000	0.000	6456.000	91370.000	92080.000	92.884%	0.807
3	23:32:44	5.814	5970.000	0.000	6483.000	92550.000	92580.000	92.655%	0.941
x		6.303	6088.000	0.000	6481.000	91790.000	94220.000	92.973%	1.015
σ		0.424	105.400	0.000	23.070	663.700	3281.000	0.370%	0.253
%RSD		6.725	1.731	0.000	0.356	0.723	3.482	0.398	24.960
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:31:18	-0.321	2.653	916.600	1624.000	2133.000	0.895	0.878	0.472
2	23:32:01	0.269	2.660	927.700	1627.000	2133.000	0.912	0.921	0.383
3	23:32:44	1.073	2.558	923.500	1614.000	2102.000	0.899	0.783	0.374
x		0.340	2.624	922.600	1622.000	2123.000	0.902	0.861	0.410
σ		0.700	0.057	5.570	6.978	17.920	0.009	0.071	0.054
%RSD		205.500	2.178	0.604	0.430	0.844	0.983	8.229	13.250
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:31:18	0.629	3.100	2.584	2.292	2.401	0.374	0.000	384.700
2	23:32:01	0.524	2.799	2.705	2.102	1.733	1.133	0.000	389.200
3	23:32:44	0.581	2.862	2.755	3.214	0.960	0.204	0.000	383.700
x		0.578	2.920	2.681	2.536	1.698	0.570	0.000	385.900
σ		0.053	0.159	0.088	0.595	0.721	0.495	0.000	2.965
%RSD		9.106	5.446	3.286	23.470	42.470	86.780	0.000	0.768
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:31:18	98.461%	2.520	2.527	95.183%	-0.010	-0.003	-0.035	-0.011
2	23:32:01	98.359%	2.377	2.485	95.534%	0.004	-0.008	0.009	0.002
3	23:32:44	98.801%	2.395	2.637	95.546%	-0.001	-0.004	-0.019	0.001
x		98.540%	2.431	2.550	95.421%	-0.003	-0.005	-0.015	-0.003
σ		0.232%	0.078	0.078	0.206%	0.007	0.002	0.022	0.007
%RSD		0.235	3.209	3.067	0.216	267.500	49.490	147.900	245.500
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:31:18	100.121%	0.808	0.063	0.053	39.090	38.250	107.387%	107.299%
2	23:32:01	101.192%	0.601	0.073	0.077	37.570	38.830	108.917%	108.776%
3	23:32:44	101.683%	0.824	0.046	0.061	39.020	38.920	110.054%	109.924%
x		100.999%	0.744	0.061	0.064	38.560	38.670	108.786%	108.666%
σ		0.798%	0.125	0.014	0.012	0.858	0.367	1.338%	1.316%
%RSD		0.790	16.750	22.390	19.300	2.226	0.948	1.230	1.211
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:31:18	0.003	0.004	0.049	0.052	0.048	102.414%		
2	23:32:01	-0.002	0.004	0.040	0.026	0.028	104.360%		
3	23:32:44	0.012	0.002	0.064	0.042	0.040	105.676%		
x		0.004	0.003	0.051	0.040	0.039	104.150%		
σ		0.007	0.001	0.012	0.013	0.010	1.641%		
%RSD		162.500	32.670	24.190	33.480	26.070	1.576		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:47	103.083%	0.011	2.592	2.287	0.000	-35.360	-0.605	-0.146
2	23:43:30	102.715%	-0.006	2.693	2.535	0.000	-35.130	0.125	0.231
3	23:44:13	102.834%	0.011	2.563	2.364	0.000	-35.680	0.610	0.077
x		102.877%	0.005	2.616	2.396	0.000	-35.390	0.043	0.054
σ		0.188%	0.009	0.068	0.127	0.000	0.275	0.611	0.189
%RSD		0.183	184.800	2.615	5.300	0.000	0.778	1414.000	351.600
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:47	-0.496	0.483	0.000	-1.753	-1.643	0.599	97.370%	-0.356
2	23:43:30	-0.585	0.806	0.000	-2.244	-7.066	6.130	96.030%	-0.379
3	23:44:13	-0.586	0.709	0.000	-1.645	-1.538	3.320	95.446%	-0.251
x		-0.556	0.666	0.000	-1.881	-3.415	3.350	96.282%	-0.329
σ		0.051	0.166	0.000	0.319	3.162	2.766	0.986%	0.068
%RSD		9.262	24.920	0.000	16.980	92.570	82.560	1.024	20.800
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:47	-0.152	0.420	-0.091	1.086	1.506	-0.010	-0.078	-0.061
2	23:43:30	-0.459	0.365	-0.055	-2.107	-2.244	-0.012	-0.058	-0.090
3	23:44:13	-0.538	0.403	-0.034	-2.995	-4.834	-0.014	-0.064	-0.063
x		-0.383	0.396	-0.060	-1.338	-1.857	-0.012	-0.067	-0.071
σ		0.204	0.028	0.029	2.146	3.187	0.002	0.010	0.016
%RSD		53.320	7.147	47.720	160.400	171.600	18.010	15.440	22.850
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:47	-0.085	-0.435	-0.221	-0.151	2.173	-0.096	0.000	-0.010
2	23:43:30	-0.106	-0.424	-0.361	-0.563	2.532	-0.512	0.000	0.003
3	23:44:13	-0.100	-0.520	-0.398	0.001	2.246	0.339	0.000	-0.003
x		-0.097	-0.460	-0.327	-0.237	2.317	-0.090	0.000	-0.003
σ		0.011	0.052	0.094	0.292	0.190	0.426	0.000	0.006
%RSD		11.220	11.410	28.610	123.100	8.192	475.700	0.000	191.300
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:47	100.547%	0.039	0.118	99.629%	-0.008	-0.002	0.050	0.046
2	23:43:30	100.786%	0.126	0.115	99.912%	-0.000	-0.003	-0.097	-0.053
3	23:44:13	101.035%	0.096	0.152	100.606%	-0.011	-0.005	-0.043	-0.022
x		100.789%	0.087	0.128	100.049%	-0.006	-0.003	-0.030	-0.010
σ		0.244%	0.044	0.021	0.503%	0.005	0.002	0.074	0.051
%RSD		0.242	50.940	16.000	0.502	87.880	49.070	248.000	518.400
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:42:47	101.862%	-0.115	-0.015	-0.021	-0.054	-0.029	105.722%	106.932%
2	23:43:30	103.228%	-0.128	-0.015	-0.001	-0.064	-0.012	107.977%	107.038%
3	23:44:13	102.609%	-0.176	0.002	-0.005	-0.035	-0.023	107.957%	107.976%
x		102.566%	-0.140	-0.009	-0.009	-0.051	-0.022	107.219%	107.316%
σ		0.684%	0.032	0.010	0.011	0.015	0.008	1.296%	0.575%
%RSD		0.667	23.090	106.400	118.900	28.700	38.940	1.209	0.536
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:42:47	0.001	-0.006	-0.045	-0.045	-0.044	108.253%		
2	23:43:30	-0.006	0.002	-0.040	-0.046	-0.045	106.415%		
3	23:44:13	-0.006	-0.004	-0.029	-0.044	-0.038	105.509%		
x		-0.003	-0.003	-0.038	-0.045	-0.042	106.726%		
σ		0.004	0.004	0.008	0.001	0.004	1.398%		
%RSD		111.500	156.800	21.040	2.053	8.566	1.310		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:47:05	102.506%	45.790	890.500	876.400	0.000	45390.000	53650.000	52400.000
2	23:47:48	99.934%	46.910	921.000	891.900	0.000	47340.000	56350.000	54540.000
3	23:48:30	103.162%	44.900	886.100	870.700	0.000	46030.000	55350.000	53510.000
x		101.868%	45.870	899.200	879.700	0.000	46250.000	55120.000	53480.000
σ		1.706%	1.005	18.980	10.990	0.000	993.800	1365.000	1071.000
%RSD		1.675	2.191	2.111	1.249	0.000	2.149	2.477	2.003
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:47:05	1967.000	8879.000	0.000	46750.000	47510.000	46720.000	94.469%	939.400
2	23:47:48	2033.000	9166.000	0.000	48010.000	48890.000	48020.000	92.278%	956.500
3	23:48:30	2008.000	8895.000	0.000	47550.000	48220.000	47920.000	92.101%	959.500
x		2003.000	8980.000	0.000	47430.000	48210.000	47550.000	92.949%	951.800
σ		33.070	161.300	0.000	635.400	689.900	720.000	1.319%	10.840
%RSD		1.651	1.796	0.000	1.339	1.431	1.514	1.419	1.139
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:47:05	469.100	189.400	470.700	943.400	1231.000	468.500	468.600	239.200
2	23:47:48	480.800	191.500	481.000	957.600	1230.000	478.500	473.600	239.300
3	23:48:30	477.000	189.800	480.400	956.000	1228.000	480.300	474.600	241.900
x		475.600	190.200	477.400	952.300	1230.000	475.800	472.300	240.100
σ		5.960	1.090	5.785	7.791	1.533	6.352	3.218	1.569
%RSD		1.253	0.573	1.212	0.818	0.125	1.335	0.681	0.653
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:47:05	241.200	485.000	488.300	36.320	12.190	9.275	0.000	935.300
2	23:47:48	242.700	492.300	493.900	38.760	11.870	9.778	0.000	940.200
3	23:48:30	242.800	494.800	494.500	37.170	11.320	8.840	0.000	942.300
x		242.200	490.700	492.300	37.410	11.800	9.298	0.000	939.300
σ		0.876	5.096	3.452	1.238	0.441	0.469	0.000	3.614
%RSD		0.362	1.039	0.701	3.310	3.734	5.045	0.000	0.385
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:47:05	96.428%	1000.000	1005.000	92.093%	48.740	48.650	49.160	44.490
2	23:47:48	97.509%	1019.000	1024.000	93.633%	48.640	48.990	48.210	44.890
3	23:48:30	98.063%	1029.000	1035.000	93.497%	49.680	49.910	48.560	44.830
x		97.333%	1016.000	1022.000	93.074%	49.020	49.180	48.640	44.740
σ		0.832%	14.880	15.240	0.853%	0.575	0.650	0.483	0.214
%RSD		0.855	1.464	1.492	0.916	1.174	1.322	0.992	0.478
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:47:05	96.846%	1956.000	499.600	498.300	1894.000	1908.000	104.166%	104.037%
2	23:47:48	98.342%	1969.000	501.000	502.900	1892.000	1904.000	106.168%	105.914%
3	23:48:30	99.221%	1968.000	500.900	502.500	1886.000	1897.000	107.424%	107.385%
x		98.136%	1964.000	500.500	501.200	1891.000	1903.000	105.919%	105.778%
σ		1.201%	6.978	0.791	2.500	4.420	5.703	1.643%	1.678%
%RSD		1.224	0.355	0.158	0.499	0.234	0.300	1.551	1.587
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:47:05	50.390	50.870	20.050	21.780	21.000	97.527%		
2	23:47:48	50.940	51.190	20.150	21.500	20.880	100.495%		
3	23:48:30	51.500	51.480	19.980	22.110	20.990	101.645%		
x		50.940	51.180	20.060	21.800	20.960	99.889%		
σ		0.558	0.305	0.086	0.307	0.064	2.125%		
%RSD		1.095	0.597	0.428	1.409	0.305	2.127		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:43	103.600%	0.158	98.150	102.800	0.000	43270.000	28180.000	28340.000
2	23:56:26	101.830%	0.144	101.400	100.300	0.000	43730.000	29550.000	28760.000
3	23:57:09	103.266%	0.208	101.500	96.910	0.000	43260.000	29330.000	28610.000
x		102.898%	0.170	100.400	100.000	0.000	43420.000	29020.000	28570.000
σ		0.941%	0.034	1.922	2.980	0.000	270.400	736.400	212.400
%RSD		0.914	19.760	1.915	2.979	0.000	0.623	2.538	0.743
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:43	3211.000	13030.000	0.000	8201.000	39370.000	39170.000	95.234%	109.600
2	23:56:26	3260.000	13020.000	0.000	8325.000	39540.000	39590.000	93.680%	112.400
3	23:57:09	3206.000	12810.000	0.000	8241.000	40140.000	40150.000	93.435%	106.000
x		3226.000	12950.000	0.000	8256.000	39680.000	39630.000	94.116%	109.300
σ		29.710	127.300	0.000	63.300	404.100	491.800	0.976%	3.196
%RSD		0.921	0.983	0.000	0.767	1.018	1.241	1.037	2.923
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:43	8.211	9.825	2893.000	4961.000	5129.000	3.470	10.420	10.020
2	23:56:26	8.239	10.460	2961.000	5037.000	5186.000	3.390	11.040	9.906
3	23:57:09	8.952	10.150	2925.000	5084.000	5206.000	3.529	10.720	10.150
x		8.468	10.140	2926.000	5027.000	5174.000	3.463	10.730	10.030
σ		0.420	0.316	33.900	61.890	40.080	0.070	0.312	0.124
%RSD		4.958	3.117	1.158	1.231	0.775	2.028	2.910	1.232
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:43	10.250	67.620	67.410	5.825	2.247	0.245	0.000	255.700
2	23:56:26	10.440	67.640	67.170	6.880	2.401	0.788	0.000	256.200
3	23:57:09	10.180	67.660	66.960	7.043	1.890	1.033	0.000	259.200
x		10.290	67.640	67.180	6.583	2.179	0.689	0.000	257.000
σ		0.132	0.021	0.226	0.661	0.262	0.403	0.000	1.919
%RSD		1.280	0.031	0.336	10.050	12.040	58.590	0.000	0.747
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:43	99.043%	11.170	11.050	92.323%	0.114	0.107	0.145	0.221
2	23:56:26	99.618%	8.547	8.655	94.168%	0.087	0.078	0.201	0.241
3	23:57:09	100.004%	7.551	7.882	94.288%	0.078	0.074	0.136	0.192
x		99.555%	9.089	9.196	93.593%	0.093	0.087	0.161	0.218
σ		0.483%	1.869	1.653	1.101%	0.019	0.018	0.036	0.024
%RSD		0.486	20.570	17.980	1.177	20.050	20.590	22.150	11.160
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:55:43	97.928%	5.979	0.610	0.658	80.310	82.330	103.478%	102.928%
2	23:56:26	97.871%	4.567	0.585	0.597	82.010	83.070	105.332%	104.659%
3	23:57:09	99.374%	3.740	0.574	0.586	82.120	81.560	106.645%	105.974%
x		98.391%	4.762	0.590	0.613	81.480	82.320	105.151%	104.520%
σ		0.852%	1.132	0.018	0.039	1.016	0.756	1.591%	1.528%
%RSD		0.866	23.770	3.107	6.329	1.246	0.918	1.513	1.462
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	23:55:43	0.137	0.140	9.160	8.917	9.032	98.139%		
2	23:56:26	0.117	0.133	9.144	8.906	9.041	100.278%		
3	23:57:09	0.125	0.110	9.284	9.061	9.106	101.514%		
x		0.127	0.128	9.196	8.961	9.060	99.977%		
σ		0.010	0.016	0.077	0.086	0.040	1.708%		
%RSD		7.950	12.410	0.836	0.962	0.446	1.708		

L9WW6 11/23/2010 11:59:18 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:01	101.009%	0.212	107.900	113.200	0.000	50730.000	41390.000	40210.000
2	00:00:44	102.121%	0.293	110.500	112.000	0.000	51170.000	41260.000	39940.000
3	00:01:27	100.659%	0.213	111.400	111.900	0.000	51560.000	41930.000	40600.000
x		101.263%	0.240	109.900	112.400	0.000	51150.000	41520.000	40250.000
σ		0.763%	0.047	1.813	0.746	0.000	419.400	355.600	332.300
%RSD		0.754	19.420	1.650	0.664	0.000	0.820	0.856	0.826

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:01	5545.000	19680.000	0.000	11640.000	51510.000	51470.000	93.534%	159.300
2	00:00:44	5503.000	19330.000	0.000	11740.000	51610.000	51670.000	92.232%	163.200
3	00:01:27	5548.000	19340.000	0.000	11840.000	52800.000	51940.000	92.157%	159.400
x		5532.000	19450.000	0.000	11740.000	51970.000	51690.000	92.641%	160.600
σ		24.640	203.000	0.000	101.400	714.500	238.800	0.774%	2.225
%RSD		0.445	1.044	0.000	0.864	1.375	0.462	0.836	1.385

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:01	10.740	13.610	4425.000	7133.000	7291.000	5.203	16.180	16.250
2	00:00:44	11.420	13.880	4422.000	7172.000	7399.000	5.160	15.350	16.050
3	00:01:27	12.760	14.110	4492.000	7237.000	7361.000	5.076	15.650	15.770
x		11.640	13.870	4446.000	7181.000	7350.000	5.147	15.720	16.030
σ		1.030	0.251	39.290	52.220	54.830	0.064	0.422	0.241
%RSD		8.850	1.812	0.884	0.727	0.746	1.253	2.687	1.503

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:01	16.040	95.050	95.870	11.370	2.412	1.923	0.000	352.800
2	00:00:44	16.440	98.060	97.360	10.900	1.795	1.857	0.000	352.200
3	00:01:27	16.290	97.210	100.400	10.950	2.076	0.848	0.000	355.300
x		16.260	96.770	97.890	11.070	2.094	1.543	0.000	353.400
σ		0.202	1.556	2.333	0.260	0.309	0.603	0.000	1.650
%RSD		1.245	1.608	2.383	2.347	14.760	39.070	0.000	0.467

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:01	100.290%	8.722	8.659	93.269%	0.137	0.117	0.371	0.322
2	00:00:44	100.865%	8.161	7.853	94.217%	0.134	0.138	0.356	0.351
3	00:01:27	100.054%	8.157	8.324	94.092%	0.132	0.123	0.243	0.377
x		100.403%	8.347	8.279	93.859%	0.134	0.126	0.323	0.350
σ		0.417%	0.325	0.405	0.515%	0.002	0.010	0.070	0.028
%RSD		0.416	3.895	4.892	0.549	1.691	8.307	21.580	7.895

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:01	98.380%	4.063	0.714	0.746	129.700	130.600	106.252%	106.188%
2	00:00:44	98.531%	3.825	0.747	0.744	131.900	132.100	106.491%	107.011%
3	00:01:27	99.255%	3.558	0.701	0.772	128.900	131.100	108.006%	108.080%
x		98.722%	3.815	0.721	0.754	130.100	131.300	106.916%	107.093%
σ		0.468%	0.252	0.024	0.016	1.561	0.771	0.951%	0.949%
%RSD		0.474	6.614	3.278	2.110	1.200	0.587	0.890	0.886

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:01	0.077	0.091	11.320	11.030	11.120	100.080%
2	00:00:44	0.071	0.080	11.510	10.980	11.100	102.484%
3	00:01:27	0.069	0.077	11.230	10.970	11.050	103.147%
x		0.072	0.082	11.350	10.990	11.090	101.904%
σ		0.004	0.007	0.143	0.032	0.035	1.614%
%RSD		5.261	8.995	1.259	0.293	0.315	1.584

CCV1-4 11/24/2010 12:06:31 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:13	97.706%	96.090	95.560	93.620	0.000	47970.000	53120.000	52290.000
2	00:07:56	99.435%	93.770	92.230	92.560	0.000	47130.000	52930.000	52270.000
3	00:08:40	99.057%	92.990	90.540	94.040	0.000	47590.000	53810.000	52880.000
x		98.733%	94.284%	92.777%	93.407%	0.000	95.124%	106.581%	104.957%
σ		0.909%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.920	1.707	2.749	0.816	0.000	0.884	0.871	0.657
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:13	524.500	4983.000	0.000	48050.000	47010.000	46230.000	100.403%	93.960
2	00:07:56	516.400	4906.000	0.000	48160.000	47370.000	47090.000	99.560%	93.980
3	00:08:40	524.300	4907.000	0.000	48540.000	47860.000	47740.000	98.235%	96.660
x		104.350%	98.643%	0.000	96.493%	94.832%	94.039%	99.399%	94.868%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.093%	n/a
%RSD		0.889	0.897	0.000	0.536	0.899	1.610	1.099	1.631
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:13	92.370	92.060	474.700	23480.000	23260.000	93.780	94.760	95.290
2	00:07:56	93.390	94.200	478.000	23820.000	23490.000	93.940	93.910	95.430
3	00:08:40	92.880	93.370	477.100	23790.000	23550.000	93.850	95.610	95.960
x		92.877%	93.209%	95.322%	94.792%	93.721%	93.858%	94.760%	95.562%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.547	1.153	0.363	0.784	0.654	0.088	0.900	0.369
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:13	95.690	98.370	98.510	97.320	100.000	95.640	0.000	96.070
2	00:07:56	95.840	97.140	99.810	95.760	100.700	97.460	0.000	96.720
3	00:08:40	96.520	99.790	99.570	98.030	100.400	100.200	0.000	96.420
x		96.017%	98.434%	99.297%	97.036%	100.371%	97.781%	0.000	96.404%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.457	1.349	0.692	1.195	0.332	2.365	0.000	0.338
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:13	99.341%	87.220	87.360	95.261%	96.380	95.450	98.420	96.160
2	00:07:56	99.443%	92.230	93.720	95.712%	96.520	97.150	98.010	97.490
3	00:08:40	100.948%	96.810	95.540	96.212%	96.870	96.720	95.660	97.410
x		99.911%	92.090%	92.208%	95.728%	96.590%	96.439%	97.365%	97.019%
σ		0.899%	n/a	n/a	0.476%	n/a	n/a	n/a	n/a
%RSD		0.900	5.210	4.656	0.497	0.262	0.916	1.528	0.767
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:07:13	99.044%	94.470	94.160	94.690	94.720	95.800	102.235%	102.514%
2	00:07:56	99.384%	95.230	95.730	96.490	94.180	96.620	104.347%	103.896%
3	00:08:40	99.190%	96.540	96.700	97.520	96.970	97.120	104.096%	104.856%
x		99.206%	95.413%	95.531%	96.233%	95.290%	96.511%	103.559%	103.755%
σ		0.171%	n/a	n/a	n/a	n/a	n/a	1.154%	1.177%
%RSD		0.172	1.099	1.342	1.487	1.556	0.689	1.114	1.134
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:07:13	103.500	104.300	105.200	104.800	105.000	96.072%		
2	00:07:56	103.700	104.700	105.300	105.300	105.800	97.259%		
3	00:08:40	104.000	105.000	105.400	104.800	106.000	98.062%		
x		103.730%	104.667%	105.284%	104.979%	105.586%	97.131%		
σ		n/a	n/a	n/a	n/a	n/a	1.001%		
%RSD		0.215	0.327	0.127	0.291	0.463	1.031		

CCB4 11/24/2010 12:13:45 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:14:28	110.067%	0.017	1.961	2.089	0.000	-37.070	2.646	2.607
2	00:15:11	108.351%	0.033	2.487	2.092	0.000	-36.960	3.324	3.254
3	00:15:54	109.199%	0.032	2.386	1.821	0.000	-35.690	4.349	4.657
x		109.206%	0.027	2.278	2.001	0.000	-36.570	3.440	3.506
σ		0.858%	0.009	0.279	0.156	0.000	0.770	0.858	1.048
%RSD		0.785	33.600	12.260	7.776	0.000	2.106	24.940	29.890
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:14:28	-0.171	-1.106	0.000	6.146	-1.863	5.582	101.370%	-0.312
2	00:15:11	-0.278	-0.421	0.000	7.217	3.375	5.063	101.094%	-0.409
3	00:15:54	-0.236	-0.420	0.000	5.541	8.620	4.656	100.883%	-0.263
x		-0.228	-0.649	0.000	6.301	3.378	5.100	101.115%	-0.328
σ		0.054	0.396	0.000	0.849	5.242	0.464	0.244%	0.074
%RSD		23.690	60.980	0.000	13.470	155.200	9.105	0.242	22.560
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:14:28	0.129	0.139	-0.008	8.991	13.240	-0.006	-0.049	-0.118
2	00:15:11	-0.058	0.121	0.036	7.957	7.995	-0.002	-0.074	-0.142
3	00:15:54	-0.326	0.163	0.021	7.178	10.470	-0.001	-0.061	-0.144
x		-0.085	0.141	0.016	8.042	10.570	-0.003	-0.061	-0.135
σ		0.229	0.021	0.022	0.910	2.621	0.003	0.013	0.015
%RSD		269.000	14.620	137.200	11.310	24.800	93.570	20.640	10.740
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:14:28	-0.080	-0.482	-0.391	-0.157	3.101	0.354	0.000	-0.002
2	00:15:11	-0.086	-0.545	-0.549	-0.129	2.084	-0.171	0.000	-0.004
3	00:15:54	-0.070	-0.568	-0.538	-0.103	2.585	0.683	0.000	0.002
x		-0.078	-0.532	-0.493	-0.129	2.590	0.289	0.000	-0.001
σ		0.008	0.045	0.088	0.027	0.508	0.430	0.000	0.003
%RSD		10.390	8.398	17.890	20.990	19.630	149.100	0.000	301.700
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:14:28	103.451%	1.594	1.645	103.368%	0.001	0.005	-0.052	-0.020
2	00:15:11	104.836%	1.494	1.563	103.071%	0.012	-0.004	-0.087	-0.060
3	00:15:54	104.763%	1.535	1.444	103.963%	0.007	0.007	-0.065	-0.039
x		104.350%	1.541	1.551	103.467%	0.007	0.003	-0.068	-0.040
σ		0.779%	0.050	0.101	0.454%	0.006	0.006	0.018	0.020
%RSD		0.747	3.253	6.513	0.439	88.550	199.400	26.440	51.440
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:14:28	105.728%	0.001	0.377	0.318	-0.055	-0.018	107.541%	106.858%
2	00:15:11	105.763%	0.008	0.350	0.317	-0.036	-0.023	108.423%	106.915%
3	00:15:54	105.470%	-0.076	0.293	0.274	-0.055	-0.023	108.742%	107.992%
x		105.654%	-0.022	0.340	0.303	-0.048	-0.022	108.236%	107.255%
σ		0.160%	0.046	0.043	0.025	0.011	0.003	0.622%	0.639%
%RSD		0.152	206.400	12.680	8.332	22.560	14.570	0.575	0.596
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:14:28	0.008	0.017	0.023	-0.008	0.003	102.016%		
2	00:15:11	0.009	0.013	-0.002	-0.002	-0.005	102.831%		
3	00:15:54	0.014	0.019	-0.010	0.014	-0.001	103.432%		
x		0.010	0.016	0.003	0.001	-0.001	102.760%		
σ		0.004	0.003	0.017	0.011	0.004	0.710%		
%RSD		34.620	19.060	492.500	1082.000	410.600	0.691		

L9WXP 11/24/2010 12:18:06 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:18:49	107.167%	0.049	10.190	11.300	0.000	22480.000	3055.000	3013.000
2	00:19:32	107.258%	0.018	11.360	10.780	0.000	22890.000	3144.000	3063.000
3	00:20:15	105.936%	-0.014	10.240	11.090	0.000	23090.000	3150.000	3076.000
x		106.787%	0.018	10.600	11.050	0.000	22820.000	3117.000	3051.000
σ		0.738%	0.032	0.663	0.265	0.000	308.300	53.300	32.790
%RSD		0.692	179.800	6.253	2.397	0.000	1.351	1.710	1.075
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:18:49	27.450	2883.000	0.000	1283.000	18120.000	18150.000	98.150%	1.038
2	00:19:32	27.180	2878.000	0.000	1303.000	18640.000	18500.000	96.572%	1.693
3	00:20:15	25.490	2843.000	0.000	1291.000	18410.000	18550.000	96.143%	1.195
x		26.710	2868.000	0.000	1292.000	18390.000	18400.000	96.955%	1.309
σ		1.064	21.720	0.000	9.635	261.700	215.600	1.057%	0.342
%RSD		3.983	0.757	0.000	0.746	1.423	1.172	1.090	26.130
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:18:49	-0.186	3.137	1.389	51.300	158.800	0.042	0.395	11.520
2	00:19:32	0.067	2.919	1.469	35.230	139.400	0.041	0.298	11.630
3	00:20:15	0.678	2.860	1.454	30.820	134.400	0.041	0.296	11.270
x		0.186	2.972	1.437	39.120	144.200	0.041	0.329	11.470
σ		0.444	0.146	0.042	10.780	12.880	0.001	0.057	0.186
%RSD		238.300	4.905	2.942	27.550	8.934	1.333	17.160	1.617
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:18:49	11.960	3.500	3.885	-0.007	1.862	0.666	0.000	47.810
2	00:19:32	11.720	3.588	3.119	-0.048	1.685	-0.563	0.000	47.340
3	00:20:15	11.320	3.258	3.793	0.518	1.166	-0.284	0.000	47.590
x		11.670	3.449	3.599	0.154	1.571	-0.060	0.000	47.580
σ		0.324	0.171	0.418	0.316	0.362	0.645	0.000	0.233
%RSD		2.776	4.945	11.630	204.700	23.020	1066.000	0.000	0.490
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:18:49	100.528%	2.260	2.422	97.611%	0.005	0.002	-0.107	-0.053
2	00:19:32	102.004%	1.579	1.413	98.647%	0.002	0.005	-0.050	0.001
3	00:20:15	101.788%	1.006	1.164	98.844%	0.003	-0.003	-0.008	-0.024
x		101.440%	1.615	1.667	98.367%	0.003	0.001	-0.055	-0.025
σ		0.797%	0.628	0.666	0.662%	0.002	0.004	0.050	0.027
%RSD		0.786	38.880	39.950	0.673	52.780	377.600	90.230	107.700
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:18:49	101.275%	2.512	0.932	0.924	88.430	89.730	105.792%	106.531%
2	00:19:32	102.868%	2.004	0.592	0.563	89.680	89.000	109.532%	108.592%
3	00:20:15	102.077%	1.762	0.432	0.385	90.100	89.960	110.751%	109.706%
x		102.073%	2.093	0.652	0.624	89.400	89.560	108.692%	108.276%
σ		0.796%	0.383	0.255	0.275	0.873	0.500	2.584%	1.610%
%RSD		0.780	18.290	39.130	44.030	0.976	0.558	2.378	1.487
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:18:49	0.032	0.025	0.242	0.228	0.252	103.504%		
2	00:19:32	0.013	0.017	0.233	0.226	0.234	106.417%		
3	00:20:15	0.018	0.007	0.260	0.233	0.240	107.328%		
x		0.021	0.016	0.245	0.229	0.242	105.750%		
σ		0.010	0.009	0.014	0.004	0.009	1.998%		
%RSD		48.230	55.130	5.588	1.537	3.851	1.889		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:09	105.912%	0.018	3.114	3.674	0.000	4582.000	624.300	618.300
2	00:23:52	105.433%	0.010	2.668	3.205	0.000	4568.000	624.600	620.500
3	00:24:35	106.244%	-0.014	3.187	3.321	0.000	4535.000	628.600	605.400
x		105.863%	0.005	2.990	3.400	0.000	4562.000	625.900	614.700
σ		0.408%	0.017	0.281	0.245	0.000	24.450	2.397	8.196
%RSD		0.385	356.200	9.383	7.197	0.000	0.536	0.383	1.333

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:09	4.574	587.600	0.000	261.000	3745.000	3683.000	95.353%	-0.174
2	00:23:52	4.290	585.800	0.000	266.200	3728.000	3697.000	94.291%	-0.326
3	00:24:35	4.126	583.200	0.000	264.500	3791.000	3718.000	95.582%	-0.098
x		4.330	585.500	0.000	263.900	3755.000	3699.000	95.075%	-0.199
σ		0.227	2.205	0.000	2.645	32.850	17.780	0.689%	0.116
%RSD		5.241	0.377	0.000	1.002	0.875	0.480	0.724	58.200

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:09	-0.150	0.786	0.196	2.704	20.100	0.001	0.031	2.215
2	00:23:52	0.432	0.797	0.153	2.646	21.660	-0.004	0.000	2.335
3	00:24:35	-0.432	0.672	0.186	1.972	22.140	0.001	0.090	2.294
x		-0.050	0.752	0.178	2.441	21.300	-0.001	0.041	2.281
σ		0.441	0.070	0.022	0.407	1.069	0.003	0.046	0.061
%RSD		886.500	9.266	12.500	16.690	5.017	626.900	112.000	2.658

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:09	2.377	0.293	0.623	-0.214	1.797	0.266	0.000	9.461
2	00:23:52	2.084	0.320	0.392	0.101	1.854	-0.451	0.000	9.320
3	00:24:35	2.267	0.390	0.514	0.052	1.555	0.522	0.000	9.461
x		2.242	0.334	0.510	-0.020	1.735	0.112	0.000	9.414
σ		0.148	0.050	0.116	0.169	0.159	0.504	0.000	0.081
%RSD		6.617	14.910	22.650	844.300	9.144	450.000	0.000	0.865

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:09	101.536%	0.421	0.382	99.771%	-0.003	-0.009	-0.058	-0.038
2	00:23:52	100.849%	0.365	0.398	99.616%	-0.005	-0.002	0.066	0.051
3	00:24:35	101.254%	0.365	0.414	99.080%	0.003	-0.005	0.013	0.013
x		101.213%	0.384	0.398	99.489%	-0.002	-0.005	0.007	0.009
σ		0.345%	0.032	0.016	0.363%	0.004	0.004	0.062	0.044
%RSD		0.341	8.445	4.025	0.365	249.300	72.670	849.400	519.700

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:09	102.895%	0.163	0.035	0.069	18.710	17.620	107.638%	107.077%
2	00:23:52	103.596%	0.074	0.064	0.053	17.210	17.810	107.140%	107.027%
3	00:24:35	103.100%	0.066	0.063	0.076	17.390	17.090	107.360%	106.069%
x		103.197%	0.101	0.054	0.066	17.770	17.510	107.380%	106.724%
σ		0.360%	0.054	0.016	0.012	0.821	0.376	0.249%	0.568%
%RSD		0.349	53.100	30.330	17.780	4.622	2.148	0.232	0.532

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:23:09	0.007	0.003	0.033	0.026	0.021	101.904%
2	00:23:52	0.001	0.006	0.023	0.011	0.020	103.209%
3	00:24:35	0.001	0.001	0.013	0.036	0.020	103.488%
x		0.003	0.003	0.023	0.024	0.020	102.867%
σ		0.004	0.002	0.010	0.013	0.001	0.845%
%RSD		136.600	69.410	42.470	53.250	3.034	0.822

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:29	104.025%	44.160	879.200	864.100	0.000	75350.000	64510.000	62680.000
2	00:28:12	103.106%	45.120	878.700	866.000	0.000	75960.000	65650.000	63600.000
3	00:28:55	102.549%	45.020	872.700	862.000	0.000	76160.000	66150.000	63880.000
x		103.227%	44.770	876.900	864.000	0.000	75820.000	65440.000	63380.000
σ		0.745%	0.531	3.578	1.975	0.000	425.000	843.400	628.500
%RSD		0.722	1.186	0.408	0.229	0.000	0.561	1.289	0.992
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:29	2003.000	11640.000	0.000	54260.000	71230.000	71550.000	95.602%	927.300
2	00:28:12	2029.000	11540.000	0.000	55420.000	73550.000	73180.000	93.807%	923.700
3	00:28:55	2022.000	11560.000	0.000	55350.000	72910.000	72040.000	93.486%	941.600
x		2018.000	11580.000	0.000	55010.000	72560.000	72260.000	94.298%	930.900
σ		13.100	55.000	0.000	649.600	1197.000	839.200	1.140%	9.481
%RSD		0.649	0.475	0.000	1.181	1.650	1.161	1.209	1.019
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:29	471.100	186.200	467.500	959.300	1357.000	462.200	461.300	245.600
2	00:28:12	469.200	187.600	473.800	968.900	1398.000	472.900	467.500	250.700
3	00:28:55	475.500	188.100	476.600	969.500	1352.000	468.300	467.800	246.000
x		471.900	187.300	472.600	965.900	1369.000	467.800	465.500	247.500
σ		3.212	0.983	4.655	5.739	25.660	5.337	3.709	2.837
%RSD		0.681	0.525	0.985	0.594	1.874	1.141	0.797	1.147
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:29	247.800	484.000	478.800	37.980	12.310	10.750	0.000	988.100
2	00:28:12	252.800	492.000	488.000	37.530	11.910	9.886	0.000	985.900
3	00:28:55	247.200	488.300	494.700	37.700	10.880	10.380	0.000	987.600
x		249.300	488.100	487.100	37.730	11.700	10.340	0.000	987.200
σ		3.032	4.019	7.987	0.229	0.741	0.433	0.000	1.121
%RSD		1.216	0.823	1.639	0.608	6.332	4.192	0.000	0.114
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:29	97.037%	998.400	1002.000	92.767%	48.800	49.170	48.600	44.160
2	00:28:12	98.007%	1010.000	1018.000	93.299%	48.260	49.150	48.770	45.500
3	00:28:55	97.937%	1021.000	1033.000	93.373%	48.990	49.210	49.290	45.070
x		97.660%	1010.000	1018.000	93.147%	48.690	49.180	48.890	44.910
σ		0.541%	11.090	15.530	0.331%	0.378	0.028	0.360	0.685
%RSD		0.554	1.098	1.526	0.355	0.775	0.057	0.736	1.525
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:27:29	96.475%	1963.000	499.100	499.800	1991.000	2002.000	104.394%	103.751%
2	00:28:12	97.511%	1967.000	499.800	501.200	1995.000	1998.000	105.823%	106.046%
3	00:28:55	97.943%	1966.000	500.000	499.000	1985.000	1997.000	107.025%	106.819%
x		97.310%	1965.000	499.600	500.000	1990.000	1999.000	105.747%	105.539%
σ		0.754%	2.240	0.476	1.119	4.778	2.561	1.317%	1.596%
%RSD		0.775	0.114	0.095	0.224	0.240	0.128	1.246	1.512
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:27:29	50.600	50.760	20.100	21.470	20.830	97.072%		
2	00:28:12	51.150	51.200	20.350	21.580	20.990	99.924%		
3	00:28:55	50.660	50.760	19.810	21.600	20.850	101.527%		
x		50.800	50.910	20.090	21.550	20.890	99.507%		
σ		0.304	0.253	0.269	0.068	0.085	2.257%		
%RSD		0.598	0.497	1.339	0.314	0.405	2.268		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:49	102.347%	45.320	914.200	890.100	0.000	69320.000	57970.000	56130.000
2	00:32:32	102.701%	44.100	905.700	886.800	0.000	69050.000	57990.000	55620.000
3	00:33:15	101.721%	45.920	888.700	880.100	0.000	69510.000	58410.000	56140.000
x		102.256%	45.110	902.900	885.700	0.000	69290.000	58130.000	55960.000
σ		0.496%	0.932	12.990	5.103	0.000	228.700	250.600	299.800
%RSD		0.485	2.065	1.439	0.576	0.000	0.330	0.431	0.536
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:49	2081.000	11650.000	0.000	48030.000	66170.000	65040.000	91.813%	931.200
2	00:32:32	2037.000	11300.000	0.000	47930.000	65310.000	65960.000	91.408%	945.100
3	00:33:15	2057.000	11550.000	0.000	48360.000	66440.000	66340.000	91.135%	926.000
x		2059.000	11500.000	0.000	48110.000	65970.000	65780.000	91.452%	934.100
σ		22.150	180.400	0.000	223.200	591.400	668.300	0.341%	9.885
%RSD		1.076	1.568	0.000	0.464	0.896	1.016	0.373	1.058
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:49	482.200	190.700	477.400	980.300	1342.000	474.300	473.600	251.100
2	00:32:32	480.700	192.200	482.000	988.400	1347.000	474.700	465.900	246.300
3	00:33:15	479.900	190.700	479.300	978.900	1337.000	475.700	470.800	248.700
x		480.900	191.200	479.600	982.600	1342.000	474.900	470.100	248.700
σ		1.143	0.878	2.350	5.103	5.106	0.726	3.909	2.359
%RSD		0.238	0.459	0.490	0.519	0.380	0.153	0.832	0.949
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:49	253.700	497.100	499.400	37.090	11.540	8.994	0.000	989.100
2	00:32:32	252.100	491.700	487.300	37.950	10.900	9.071	0.000	985.700
3	00:33:15	254.400	502.100	500.900	37.500	9.874	10.610	0.000	991.300
x		253.400	497.000	495.900	37.510	10.770	9.559	0.000	988.700
σ		1.188	5.186	7.476	0.433	0.838	0.913	0.000	2.775
%RSD		0.469	1.044	1.508	1.155	7.784	9.550	0.000	0.281
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:49	96.841%	1010.000	1015.000	91.775%	49.330	48.910	48.150	44.690
2	00:32:32	97.361%	1014.000	1029.000	92.181%	49.060	48.400	47.910	44.840
3	00:33:15	96.311%	1021.000	1031.000	91.834%	49.120	48.870	48.160	45.280
x		96.838%	1015.000	1025.000	91.930%	49.170	48.730	48.080	44.940
σ		0.525%	5.289	8.420	0.219%	0.142	0.282	0.140	0.305
%RSD		0.542	0.521	0.822	0.238	0.289	0.578	0.291	0.680
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:31:49	96.899%	1953.000	494.500	498.400	1999.000	2000.000	105.434%	104.877%
2	00:32:32	97.349%	1952.000	493.800	498.900	1992.000	2008.000	105.243%	105.742%
3	00:33:15	97.164%	1951.000	495.600	496.700	2007.000	2003.000	104.902%	105.574%
x		97.137%	1952.000	494.600	498.000	2000.000	2004.000	105.193%	105.398%
σ		0.226%	1.028	0.918	1.152	7.501	4.051	0.270%	0.459%
%RSD		0.233	0.053	0.186	0.231	0.375	0.202	0.256	0.435
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:31:49	51.320	51.840	20.390	22.080	21.290	99.052%		
2	00:32:32	51.630	51.930	20.100	22.140	21.270	100.357%		
3	00:33:15	51.510	51.620	20.050	21.940	21.070	100.390%		
x		51.480	51.800	20.180	22.050	21.210	99.933%		
σ		0.160	0.156	0.183	0.103	0.119	0.763%		
%RSD		0.310	0.302	0.907	0.468	0.561	0.764		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:30	105.432%	0.034	14.570	15.980	0.000	23160.000	3158.000	3083.000
2	00:41:13	103.755%	-0.014	14.810	16.160	0.000	23650.000	3281.000	3151.000
3	00:41:56	104.908%	-0.014	14.770	14.930	0.000	23770.000	3229.000	3145.000
x		104.698%	0.002	14.720	15.690	0.000	23520.000	3222.000	3127.000
σ		0.858%	0.028	0.129	0.666	0.000	323.300	61.740	37.540
%RSD		0.819	1359.000	0.875	4.245	0.000	1.374	1.916	1.201
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:30	24.800	2897.000	0.000	1304.000	18520.000	18690.000	94.734%	1.299
2	00:41:13	23.750	2957.000	0.000	1326.000	18740.000	19140.000	93.471%	0.799
3	00:41:56	25.140	2910.000	0.000	1338.000	19360.000	19140.000	91.985%	1.508
x		24.560	2921.000	0.000	1323.000	18870.000	18990.000	93.397%	1.202
σ		0.726	31.440	0.000	17.040	434.200	261.400	1.376%	0.364
%RSD		2.956	1.076	0.000	1.288	2.301	1.377	1.473	30.320
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:30	-0.792	3.475	1.835	32.580	131.600	0.069	0.321	34.530
2	00:41:13	1.841	3.577	1.734	30.200	134.300	0.071	0.546	34.960
3	00:41:56	1.211	3.454	1.939	32.410	133.200	0.054	0.598	35.340
x		0.753	3.502	1.836	31.730	133.100	0.065	0.488	34.950
σ		1.375	0.066	0.102	1.327	1.355	0.009	0.147	0.406
%RSD		182.500	1.880	5.576	4.184	1.019	14.290	30.200	1.162
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:30	34.950	24.250	24.690	0.420	1.497	-0.004	0.000	49.120
2	00:41:13	34.910	24.640	24.150	-0.442	0.598	0.422	0.000	47.940
3	00:41:56	36.120	24.630	24.770	0.423	0.374	0.640	0.000	48.660
x		35.330	24.510	24.540	0.134	0.823	0.353	0.000	48.580
σ		0.685	0.225	0.339	0.499	0.594	0.328	0.000	0.593
%RSD		1.938	0.920	1.383	373.400	72.160	92.970	0.000	1.221
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:30	97.720%	6.386	6.448	95.130%	-0.003	-0.006	-0.058	0.007
2	00:41:13	98.385%	4.536	4.731	95.418%	0.007	0.005	-0.041	-0.017
3	00:41:56	98.480%	3.953	3.973	96.098%	0.004	0.007	-0.045	-0.007
x		98.195%	4.958	5.051	95.549%	0.003	0.002	-0.048	-0.006
σ		0.414%	1.270	1.268	0.497%	0.005	0.007	0.009	0.012
%RSD		0.422	25.620	25.110	0.520	182.300	349.600	18.400	217.300
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:40:30	98.999%	7.014	0.166	0.164	90.110	91.730	105.192%	105.637%
2	00:41:13	99.674%	5.626	0.164	0.153	90.200	91.770	106.914%	106.554%
3	00:41:56	100.960%	4.472	0.211	0.187	89.720	92.050	108.345%	107.150%
x		99.878%	5.704	0.180	0.168	90.010	91.850	106.817%	106.447%
σ		0.996%	1.273	0.027	0.017	0.255	0.175	1.579%	0.762%
%RSD		0.997	22.320	14.730	10.360	0.283	0.191	1.478	0.716
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:40:30	0.144	0.110	1.060	0.988	1.050	102.560%		
2	00:41:13	0.114	0.093	1.026	1.020	1.073	104.505%		
3	00:41:56	0.071	0.101	1.038	1.018	1.062	104.375%		
x		0.109	0.101	1.042	1.008	1.062	103.813%		
σ		0.037	0.008	0.017	0.018	0.011	1.087%		
%RSD		33.580	8.387	1.661	1.787	1.078	1.047		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:44:49	99.255%	0.012	254.800	257.100	0.000	424900.000	106500.000	103200.000
2	00:45:32	98.616%	0.020	254.400	257.300	0.000	427700.000	108400.000	104600.000
3	00:46:15	100.956%	0.036	252.500	248.600	0.000	425300.000	108000.000	104600.000
x		99.609%	0.023	253.900	254.300	0.000	426000.000	107600.000	104100.000
σ		1.210%	0.013	1.195	4.933	0.000	1516.000	992.100	777.900
%RSD		1.214	55.210	0.471	1.940	0.000	0.356	0.922	0.747

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:44:49	116.200	6597.000	0.000	21430.000	83080.000	81210.000	88.769%	5.243
2	00:45:32	114.600	6499.000	0.000	21700.000	81670.000	82820.000	88.903%	4.873
3	00:46:15	115.900	6505.000	0.000	21610.000	82580.000	82430.000	89.713%	5.694
x		115.600	6534.000	0.000	21580.000	82440.000	82150.000	89.128%	5.270
σ		0.889	55.070	0.000	141.400	716.200	836.700	0.511%	0.411
%RSD		0.769	0.843	0.000	0.655	0.869	1.018	0.573	7.801

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:44:49	1.205	4.072	22660.000	2160.000	2626.000	12.620	15.170	3.899
2	00:45:32	0.274	3.983	22820.000	2164.000	2628.000	12.480	15.080	4.171
3	00:46:15	0.202	4.157	23060.000	2213.000	2669.000	12.800	15.890	3.998
x		0.561	4.071	22850.000	2179.000	2641.000	12.630	15.380	4.023
σ		0.560	0.087	196.900	29.210	23.890	0.162	0.443	0.138
%RSD		99.820	2.148	0.862	1.341	0.905	1.280	2.884	3.421

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:44:49	3.812	20.490	20.530	4.355	2.799	5.753	0.000	738.000
2	00:45:32	3.737	20.950	20.640	5.403	1.864	5.814	0.000	742.700
3	00:46:15	3.821	20.170	21.760	3.883	1.429	6.850	0.000	745.400
x		3.790	20.540	20.980	4.547	2.030	6.139	0.000	742.000
σ		0.046	0.393	0.679	0.778	0.700	0.617	0.000	3.720
%RSD		1.221	1.913	3.237	17.120	34.470	10.050	0.000	0.501

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:44:49	92.389%	3.219	3.126	86.253%	0.011	0.023	0.094	0.077
2	00:45:32	94.290%	2.497	2.633	87.524%	0.014	0.012	0.077	0.141
3	00:46:15	95.655%	2.592	2.305	88.845%	0.013	0.022	0.034	0.040
x		94.111%	2.770	2.688	87.541%	0.013	0.019	0.068	0.086
σ		1.640%	0.393	0.413	1.296%	0.002	0.006	0.031	0.052
%RSD		1.743	14.170	15.370	1.481	12.540	31.920	45.380	59.970

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:44:49	91.651%	4.040	0.294	0.295	59.120	58.720	99.512%	99.178%
2	00:45:32	93.552%	3.575	0.281	0.315	60.860	58.680	101.511%	101.568%
3	00:46:15	94.385%	3.516	0.240	0.258	59.300	59.720	103.457%	102.563%
x		93.196%	3.710	0.272	0.289	59.760	59.040	101.494%	101.103%
σ		1.401%	0.287	0.028	0.029	0.955	0.592	1.972%	1.740%
%RSD		1.504	7.733	10.250	10.030	1.599	1.002	1.943	1.721

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:44:49	0.077	0.087	0.860	0.861	0.812	90.699%
2	00:45:32	0.050	0.055	0.836	0.896	0.848	93.256%
3	00:46:15	0.058	0.063	0.876	0.828	0.846	94.816%
x		0.061	0.068	0.858	0.862	0.835	92.924%
σ		0.014	0.017	0.020	0.034	0.020	2.078%
%RSD		22.560	24.650	2.332	3.998	2.427	2.237

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:49:06	107.392%	-0.006	31.960	33.740	0.000	10830.000	7917.000	7742.000
2	00:49:49	105.188%	0.034	33.410	32.660	0.000	10920.000	7996.000	7726.000
3	00:50:32	104.131%	0.002	33.040	33.600	0.000	11100.000	8084.000	7870.000
x		105.570%	0.010	32.800	33.340	0.000	10950.000	7999.000	7779.000
σ		1.664%	0.021	0.752	0.586	0.000	138.300	83.420	78.900
%RSD		1.576	210.300	2.293	1.758	0.000	1.263	1.043	1.014
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:49:06	12.650	4649.000	0.000	1194.000	24440.000	24350.000	95.143%	0.854
2	00:49:49	13.000	4692.000	0.000	1235.000	25000.000	24520.000	94.090%	0.842
3	00:50:32	16.120	4666.000	0.000	1235.000	24760.000	24480.000	92.904%	0.779
x		13.930	4669.000	0.000	1221.000	24730.000	24450.000	94.046%	0.825
σ		1.907	21.550	0.000	23.660	280.800	88.240	1.120%	0.040
%RSD		13.690	0.462	0.000	1.937	1.135	0.361	1.191	4.880
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:49:06	0.519	2.933	62.370	792.200	902.500	0.070	0.233	2.855
2	00:49:49	-0.089	2.651	61.980	790.400	901.200	0.075	0.119	2.651
3	00:50:32	-0.593	2.978	62.080	800.000	925.000	0.061	0.126	3.020
x		-0.054	2.854	62.140	794.200	909.600	0.068	0.159	2.842
σ		0.557	0.177	0.202	5.075	13.380	0.007	0.064	0.185
%RSD		1027.000	6.218	0.325	0.639	1.471	10.530	40.070	6.517
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:49:06	3.037	22.120	22.130	2.858	0.578	-0.424	0.000	727.000
2	00:49:49	3.396	22.290	21.670	1.798	0.651	-0.030	0.000	733.800
3	00:50:32	3.106	22.060	21.800	2.423	-0.143	0.170	0.000	727.200
x		3.180	22.160	21.860	2.360	0.362	-0.095	0.000	729.300
σ		0.190	0.124	0.239	0.533	0.439	0.302	0.000	3.858
%RSD		5.984	0.560	1.093	22.580	121.300	320.000	0.000	0.529
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:49:06	99.011%	2.208	2.352	96.444%	-0.004	-0.006	-0.080	-0.044
2	00:49:49	99.005%	2.233	2.157	96.912%	0.008	0.000	0.002	-0.003
3	00:50:32	100.016%	2.096	2.054	97.887%	-0.001	-0.008	0.022	0.035
x		99.344%	2.179	2.187	97.081%	0.001	-0.005	-0.018	-0.004
σ		0.582%	0.073	0.151	0.736%	0.006	0.004	0.054	0.040
%RSD		0.586	3.339	6.919	0.758	847.800	90.380	291.300	893.700
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:49:06	100.790%	2.014	0.040	0.080	644.000	644.200	106.435%	106.527%
2	00:49:49	102.242%	2.039	0.055	0.088	640.500	648.100	108.384%	107.583%
3	00:50:32	101.509%	1.884	0.058	0.109	644.900	649.200	110.233%	109.470%
x		101.514%	1.979	0.051	0.092	643.100	647.100	108.351%	107.860%
σ		0.726%	0.084	0.010	0.015	2.305	2.625	1.899%	1.491%
%RSD		0.715	4.221	19.020	15.810	0.358	0.406	1.753	1.382
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	00:49:06	0.035	0.036	0.282	0.307	0.285	102.758%		
2	00:49:49	0.039	0.027	0.262	0.280	0.283	105.410%		
3	00:50:32	0.026	0.023	0.299	0.284	0.281	106.642%		
x		0.033	0.029	0.281	0.291	0.283	104.937%		
σ		0.007	0.007	0.018	0.015	0.002	1.985%		
%RSD		20.050	24.320	6.482	5.029	0.702	1.891		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:53:24	109.204%	0.002	9.808	10.100	0.000	7292.000	1560.000	1525.000
2	00:54:07	105.968%	0.042	10.310	9.806	0.000	7402.000	1596.000	1560.000
3	00:54:50	107.847%	0.010	9.696	9.133	0.000	7366.000	1588.000	1534.000
x		107.673%	0.018	9.938	9.679	0.000	7353.000	1582.000	1540.000
σ		1.625%	0.021	0.327	0.494	0.000	55.920	18.850	18.310
%RSD		1.509	120.900	3.290	5.105	0.000	0.760	1.192	1.189

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:53:24	171.000	1089.000	0.000	1283.000	6476.000	6431.000	95.090%	1.858
2	00:54:07	170.200	1081.000	0.000	1286.000	6243.000	6532.000	93.996%	1.702
3	00:54:50	173.000	1079.000	0.000	1288.000	6580.000	6532.000	93.321%	1.245
x		171.400	1083.000	0.000	1286.000	6433.000	6499.000	94.136%	1.602
σ		1.445	5.107	0.000	2.708	172.500	58.380	0.893%	0.318
%RSD		0.843	0.472	0.000	0.211	2.682	0.898	0.948	19.870

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:53:24	-0.927	3.481	95.650	269.700	298.500	0.160	0.461	1.475
2	00:54:07	-0.201	3.443	96.980	271.100	301.400	0.163	0.597	1.388
3	00:54:50	0.887	3.625	96.800	271.300	290.200	0.122	0.548	1.512
x		-0.080	3.516	96.480	270.700	296.700	0.149	0.535	1.459
σ		0.913	0.096	0.725	0.841	5.831	0.023	0.069	0.064
%RSD		1139.000	2.737	0.752	0.311	1.965	15.350	12.880	4.377

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:53:24	1.579	6.236	6.078	0.827	0.487	-0.140	0.000	21.810
2	00:54:07	1.797	6.077	6.526	1.233	0.875	0.212	0.000	21.800
3	00:54:50	1.834	5.983	6.324	0.257	0.243	0.732	0.000	21.320
x		1.737	6.098	6.310	0.772	0.535	0.268	0.000	21.640
σ		0.138	0.128	0.224	0.490	0.318	0.439	0.000	0.277
%RSD		7.960	2.100	3.554	63.510	59.480	163.900	0.000	1.281

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:53:24	98.023%	1.011	0.991	96.476%	-0.001	0.003	-0.057	-0.051
2	00:54:07	97.680%	0.874	1.065	96.052%	-0.003	0.007	-0.009	0.015
3	00:54:50	98.849%	0.834	0.894	96.931%	0.003	-0.001	0.022	0.038
x		98.184%	0.906	0.983	96.486%	-0.000	0.003	-0.014	0.000
σ		0.601%	0.093	0.086	0.439%	0.003	0.004	0.040	0.046
%RSD		0.612	10.230	8.754	0.455	2582.000	137.600	274.100	12430.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:53:24	99.928%	1.570	0.103	0.116	47.230	46.730	104.608%	104.536%
2	00:54:07	99.275%	1.632	0.127	0.133	46.090	47.590	105.808%	105.504%
3	00:54:50	100.562%	1.614	0.111	0.163	47.830	47.170	106.462%	106.183%
x		99.922%	1.605	0.114	0.138	47.050	47.170	105.626%	105.408%
σ		0.644%	0.032	0.012	0.024	0.887	0.431	0.940%	0.828%
%RSD		0.644	1.975	10.720	17.310	1.885	0.914	0.890	0.785

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:53:24	0.033	0.029	0.388	0.435	0.395	102.227%
2	00:54:07	0.033	0.032	0.426	0.392	0.417	103.662%
3	00:54:50	0.042	0.028	0.381	0.440	0.411	105.126%
x		0.036	0.030	0.398	0.422	0.407	103.671%
σ		0.005	0.002	0.024	0.026	0.012	1.450%
%RSD		14.210	7.710	6.083	6.242	2.854	1.398

L90V1 11/24/2010 12:56:59 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:57:42	107.468%	0.010	11.540	11.590	0.000	12060.000	2725.000	2647.000
2	00:58:25	106.631%	0.026	11.070	11.350	0.000	12120.000	2750.000	2641.000
3	00:59:07	105.428%	0.002	12.110	10.670	0.000	12280.000	2748.000	2666.000
x		106.509%	0.013	11.580	11.200	0.000	12150.000	2741.000	2651.000
σ		1.025%	0.012	0.522	0.476	0.000	114.600	13.890	13.070
%RSD		0.963	96.810	4.514	4.253	0.000	0.943	0.507	0.493

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:57:42	28.170	1469.000	0.000	1768.000	11500.000	11580.000	94.359%	0.477
2	00:58:25	28.190	1464.000	0.000	1777.000	11700.000	11740.000	92.157%	0.578
3	00:59:07	28.110	1460.000	0.000	1790.000	11800.000	11730.000	92.467%	0.495
x		28.160	1464.000	0.000	1778.000	11670.000	11680.000	92.994%	0.517
σ		0.043	4.652	0.000	11.160	152.700	84.820	1.192%	0.054
%RSD		0.153	0.318	0.000	0.628	1.309	0.726	1.282	10.450

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:57:42	-0.058	3.295	13.180	45.510	113.000	0.048	0.101	0.502
2	00:58:25	1.145	3.318	13.400	46.020	103.700	0.064	0.201	0.465
3	00:59:07	1.550	3.091	13.400	44.840	102.400	0.067	0.090	0.420
x		0.879	3.235	13.330	45.450	106.400	0.060	0.131	0.462
σ		0.836	0.125	0.129	0.590	5.769	0.010	0.061	0.041
%RSD		95.110	3.857	0.967	1.299	5.424	16.770	46.930	8.975

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:57:42	0.659	2.260	2.620	1.040	0.600	0.491	0.000	34.180
2	00:58:25	0.575	2.521	3.158	1.094	0.598	-0.213	0.000	34.410
3	00:59:07	0.685	2.463	2.679	0.659	-0.120	-0.029	0.000	34.080
x		0.639	2.415	2.819	0.931	0.359	0.083	0.000	34.220
σ		0.058	0.137	0.295	0.237	0.415	0.365	0.000	0.165
%RSD		9.014	5.666	10.470	25.460	115.600	439.900	0.000	0.482

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:57:42	98.184%	0.683	0.634	95.304%	-0.004	-0.011	-0.092	-0.060
2	00:58:25	97.956%	0.519	0.643	96.638%	0.002	-0.006	-0.062	-0.041
3	00:59:07	98.593%	0.406	0.559	96.760%	0.002	0.003	-0.103	-0.072
x		98.244%	0.536	0.612	96.234%	-0.000	-0.005	-0.086	-0.058
σ		0.323%	0.139	0.046	0.808%	0.003	0.007	0.021	0.016
%RSD		0.329	25.940	7.518	0.840	2105.000	157.500	24.840	26.870

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:57:42	99.191%	1.382	0.068	0.075	26.640	26.630	104.733%	106.009%
2	00:58:25	101.766%	1.260	0.055	0.072	26.160	26.750	107.432%	107.387%
3	00:59:07	101.982%	1.272	0.050	0.079	26.740	26.490	107.784%	108.306%
x		100.980%	1.305	0.058	0.076	26.520	26.620	106.650%	107.234%
σ		1.553%	0.067	0.010	0.003	0.310	0.127	1.669%	1.156%
%RSD		1.538	5.147	16.680	4.346	1.170	0.478	1.565	1.078

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	00:57:42	0.017	0.013	0.039	0.062	0.048	102.328%
2	00:58:25	0.005	0.017	0.046	0.068	0.043	105.150%
3	00:59:07	0.018	0.018	0.047	0.056	0.038	106.234%
x		0.013	0.016	0.044	0.062	0.043	104.571%
σ		0.007	0.002	0.004	0.006	0.005	2.016%
%RSD		55.450	14.700	9.816	10.110	11.290	1.928

L90V3 11/24/2010 1:01:17 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:02:00	108.407%	-0.006	11.860	10.930	0.000	12670.000	2807.000	2745.000
2	01:02:43	107.939%	-0.006	11.350	10.450	0.000	12690.000	2853.000	2765.000
3	01:03:25	106.623%	0.010	10.300	10.660	0.000	12750.000	2840.000	2755.000
x		107.657%	-0.001	11.170	10.680	0.000	12700.000	2833.000	2755.000
σ		0.925%	0.009	0.793	0.239	0.000	40.210	24.170	9.953
%RSD		0.859	1129.000	7.096	2.241	0.000	0.317	0.853	0.361
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:02:00	25.600	1463.000	0.000	1816.000	11620.000	11850.000	94.528%	0.449
2	01:02:43	23.690	1447.000	0.000	1829.000	12350.000	12090.000	93.161%	0.384
3	01:03:25	24.820	1460.000	0.000	1834.000	12110.000	12100.000	93.185%	0.436
x		24.700	1457.000	0.000	1826.000	12030.000	12020.000	93.625%	0.423
σ		0.961	8.334	0.000	9.427	373.200	142.800	0.783%	0.035
%RSD		3.892	0.572	0.000	0.516	3.103	1.188	0.836	8.170
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:02:00	-0.030	3.255	2.998	32.930	94.900	0.045	0.212	0.415
2	01:02:43	0.656	2.939	3.048	32.680	94.660	0.049	0.143	0.427
3	01:03:25	0.501	3.079	3.012	33.710	88.750	0.061	0.111	0.439
x		0.376	3.091	3.019	33.110	92.770	0.052	0.156	0.427
σ		0.360	0.159	0.026	0.537	3.484	0.008	0.052	0.012
%RSD		95.760	5.128	0.856	1.621	3.755	15.510	33.120	2.827
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:02:00	0.650	4.762	4.718	0.948	0.262	0.869	0.000	35.150
2	01:02:43	0.511	4.331	4.947	0.316	-0.291	-0.615	0.000	35.240
3	01:03:25	0.612	4.510	4.502	0.009	-0.004	0.848	0.000	34.900
x		0.591	4.534	4.722	0.424	-0.011	0.367	0.000	35.100
σ		0.072	0.217	0.222	0.478	0.277	0.851	0.000	0.178
%RSD		12.120	4.778	4.703	112.700	2546.000	231.600	0.000	0.507
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:02:00	98.898%	0.616	0.626	96.635%	-0.003	-0.006	-0.079	-0.041
2	01:02:43	98.426%	0.507	0.511	96.864%	-0.004	-0.006	-0.094	-0.037
3	01:03:25	98.824%	0.570	0.545	97.052%	-0.006	-0.001	-0.127	-0.074
x		98.716%	0.564	0.561	96.850%	-0.004	-0.005	-0.100	-0.051
σ		0.254%	0.055	0.059	0.209%	0.002	0.003	0.024	0.020
%RSD		0.257	9.682	10.520	0.216	36.260	59.750	24.260	39.580
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:02:00	100.889%	1.075	0.045	0.083	25.230	25.420	105.741%	105.217%
2	01:02:43	100.766%	0.996	0.061	0.037	26.340	25.410	106.072%	106.538%
3	01:03:25	101.194%	0.870	0.061	0.050	25.910	26.180	106.417%	106.859%
x		100.949%	0.980	0.056	0.057	25.820	25.670	106.076%	106.205%
σ		0.220%	0.103	0.009	0.024	0.561	0.444	0.338%	0.871%
%RSD		0.218	10.540	16.310	41.660	2.171	1.730	0.319	0.820
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:02:00	0.022	0.019	0.004	0.038	0.023	102.115%		
2	01:02:43	0.023	0.011	0.021	0.013	0.021	103.638%		
3	01:03:25	0.015	0.010	0.024	0.016	0.023	104.277%		
x		0.020	0.013	0.016	0.023	0.023	103.343%		
σ		0.004	0.005	0.010	0.013	0.001	1.111%		
%RSD		19.860	39.260	63.580	59.410	4.310	1.075		

CCV1-5 11/24/2010 1:08:29 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:12	97.254%	94.430	90.810	89.660	0.000	46660.000	53000.000	52370.000
2	01:09:55	95.859%	96.250	88.510	92.910	0.000	47590.000	54260.000	53200.000
3	01:10:38	96.493%	95.170	93.730	91.800	0.000	47790.000	54330.000	53590.000
x		96.535%	95.285%	91.016%	91.457%	0.000	94.690%	107.727%	106.099%
σ		0.699%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.724	0.957	2.870	1.804	0.000	1.279	1.397	1.173

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:12	519.900	4866.000	0.000	47940.000	47330.000	46750.000	96.181%	94.750
2	01:09:55	525.400	4891.000	0.000	47900.000	47680.000	47460.000	96.170%	94.870
3	01:10:38	533.500	4934.000	0.000	49160.000	48650.000	48080.000	95.818%	93.490
x		105.255%	97.935%	0.000	96.670%	95.767%	94.858%	96.056%	94.369%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.207%	n/a
%RSD		1.295	0.698	0.000	1.487	1.433	1.400	0.215	0.813

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:12	93.740	93.630	467.400	23250.000	23160.000	94.150	95.150	95.870
2	01:09:55	93.940	94.190	474.900	23790.000	23590.000	94.290	94.190	95.140
3	01:10:38	95.920	93.810	480.800	23920.000	23820.000	95.300	95.130	95.850
x		94.533%	93.877%	94.871%	94.609%	94.098%	94.579%	94.826%	95.621%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.273	0.306	1.411	1.502	1.423	0.664	0.578	0.432

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:12	94.930	97.710	97.970	95.990	99.260	96.290	0.000	96.020
2	01:09:55	97.810	98.460	98.300	98.690	100.900	97.100	0.000	97.840
3	01:10:38	96.540	99.570	99.540	98.330	102.200	99.240	0.000	96.400
x		96.424%	98.578%	98.606%	97.673%	100.789%	97.544%	0.000	96.756%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.498	0.949	0.837	1.501	1.464	1.562	0.000	0.991

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:12	96.815%	85.340	86.870	92.177%	95.990	96.040	95.790	96.980
2	01:09:55	96.025%	91.430	93.050	92.613%	96.530	97.270	97.610	96.670
3	01:10:38	97.989%	97.020	96.170	93.980%	96.530	96.380	98.490	97.900
x		96.943%	91.263%	92.027%	92.923%	96.352%	96.565%	97.298%	97.185%
σ		0.988%	n/a	n/a	0.941%	n/a	n/a	n/a	n/a
%RSD		1.019	6.400	5.144	1.012	0.323	0.659	1.411	0.661

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:12	97.211%	93.210	93.340	93.870	93.800	96.020	100.581%	100.698%
2	01:09:55	97.441%	94.350	95.880	96.820	94.920	94.630	101.380%	101.821%
3	01:10:38	98.181%	96.030	97.340	96.550	95.260	95.280	103.095%	102.279%
x		97.611%	94.532%	95.519%	95.744%	94.662%	95.313%	101.685%	101.599%
σ		0.507%	n/a	n/a	n/a	n/a	n/a	1.285%	0.813%
%RSD		0.519	1.497	2.121	1.702	0.806	0.729	1.264	0.801

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:09:12	104.300	104.200	105.600	104.300	105.500	95.532%
2	01:09:55	104.800	105.200	105.000	105.400	106.000	96.226%
3	01:10:38	104.900	105.800	105.800	104.700	106.100	95.944%
x		104.639%	105.044%	105.444%	104.822%	105.878%	95.901%
σ		n/a	n/a	n/a	n/a	n/a	0.349%
%RSD		0.327	0.740	0.399	0.539	0.308	0.364

CCB5 11/24/2010 1:15:44 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:16:27	107.247%	0.025	2.070	1.662	0.000	-41.470	3.026	3.743
2	01:17:10	109.303%	-0.006	1.621	1.432	0.000	-41.270	3.319	4.599
3	01:17:53	109.137%	0.002	1.418	1.415	0.000	-41.780	4.585	4.131
x		108.562%	0.007	1.703	1.503	0.000	-41.510	3.643	4.158
σ		1.142%	0.017	0.334	0.138	0.000	0.253	0.829	0.428
%RSD		1.052	239.800	19.590	9.175	0.000	0.611	22.740	10.300

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:16:27	-0.217	-1.142	0.000	6.728	3.714	3.058	97.809%	-0.281
2	01:17:10	-0.277	-1.351	0.000	8.497	6.481	0.289	97.169%	-0.456
3	01:17:53	-0.088	-1.520	0.000	4.927	6.372	-4.944	98.003%	0.067
x		-0.194	-1.338	0.000	6.717	5.523	-0.533	97.660%	-0.223
σ		0.097	0.189	0.000	1.785	1.567	4.064	0.437%	0.267
%RSD		49.970	14.150	0.000	26.570	28.380	762.800	0.447	119.300

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:16:27	-0.151	0.117	0.011	4.523	5.262	-0.007	-0.091	-0.205
2	01:17:10	-0.003	0.098	0.020	4.115	2.360	0.004	-0.059	-0.278
3	01:17:53	-0.107	0.118	0.004	2.827	2.763	-0.000	-0.072	-0.229
x		-0.087	0.111	0.012	3.821	3.462	-0.001	-0.074	-0.237
σ		0.076	0.011	0.008	0.885	1.572	0.006	0.016	0.037
%RSD		86.910	10.040	66.810	23.170	45.410	461.200	22.060	15.670

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:16:27	-0.097	-0.573	-0.606	0.235	2.051	0.862	0.000	0.006
2	01:17:10	-0.080	-0.501	-0.494	-0.069	1.505	0.312	0.000	0.006
3	01:17:53	-0.135	-0.725	-0.450	0.178	1.620	0.585	0.000	0.001
x		-0.104	-0.600	-0.517	0.115	1.726	0.587	0.000	0.004
σ		0.028	0.114	0.081	0.162	0.288	0.275	0.000	0.003
%RSD		27.130	19.030	15.600	140.800	16.690	46.900	0.000	70.450

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:16:27	101.286%	1.162	1.255	100.271%	0.003	0.012	0.046	0.039
2	01:17:10	101.819%	1.098	1.129	100.674%	0.006	-0.000	0.069	0.063
3	01:17:53	101.476%	0.983	0.999	101.079%	0.003	0.006	-0.091	-0.039
x		101.527%	1.081	1.128	100.675%	0.004	0.006	0.008	0.021
σ		0.270%	0.091	0.128	0.404%	0.002	0.006	0.087	0.053
%RSD		0.266	8.407	11.330	0.402	46.190	105.100	1111.000	257.100

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:16:27	102.152%	-0.130	0.255	0.241	-0.054	-0.023	104.797%	103.545%
2	01:17:10	102.725%	-0.151	0.244	0.285	-0.045	-0.007	105.401%	105.530%
3	01:17:53	103.618%	-0.173	0.242	0.273	-0.035	0.015	106.448%	105.759%
x		102.832%	-0.152	0.247	0.266	-0.045	-0.005	105.549%	104.945%
σ		0.739%	0.021	0.007	0.023	0.010	0.019	0.835%	1.217%
%RSD		0.719	14.080	2.759	8.493	21.400	398.600	0.791	1.160

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:16:27	0.013	0.017	0.015	-0.015	-0.004	100.174%
2	01:17:10	0.026	0.014	-0.024	-0.020	-0.007	101.978%
3	01:17:53	0.010	0.011	-0.002	-0.015	-0.006	103.010%
x		0.016	0.014	-0.004	-0.017	-0.006	101.721%
σ		0.008	0.003	0.019	0.003	0.002	1.435%
%RSD		50.850	20.720	525.700	14.980	33.400	1.411

L91D8 11/24/2010 1:20:04 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	108.605%	0.017	229.200	228.200	0.000	46620.000	13040.000	12740.000
2	01:21:31	107.912%	0.010	222.700	226.400	0.000	47130.000	13380.000	12930.000
3	01:22:14	109.325%	0.033	221.600	220.300	0.000	46580.000	13220.000	12830.000
x		108.614%	0.020	224.500	225.000	0.000	46780.000	13210.000	12830.000
σ		0.707%	0.012	4.123	4.164	0.000	302.700	167.400	92.200
%RSD		0.651	59.450	1.836	1.851	0.000	0.647	1.267	0.719
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	299.600	6097.000	0.000	5644.000	95590.000	96120.000	98.542%	5.100
2	01:21:31	295.200	6133.000	0.000	5675.000	96820.000	97560.000	96.494%	4.024
3	01:22:14	294.400	6064.000	0.000	5628.000	95430.000	105500.000	95.167%	4.392
x		296.400	6098.000	0.000	5649.000	95950.000	99720.000	96.734%	4.505
σ		2.797	34.600	0.000	23.870	763.400	5042.000	1.700%	0.547
%RSD		0.944	0.567	0.000	0.422	0.796	5.056	1.758	12.150
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	1.709	3.551	999.800	3663.000	4167.000	1.262	3.675	1.665
2	01:21:31	0.603	3.500	1013.000	3676.000	4207.000	1.425	4.046	1.536
3	01:22:14	0.728	3.392	1014.000	3675.000	4150.000	1.422	4.045	1.772
x		1.013	3.481	1009.000	3671.000	4175.000	1.370	3.922	1.657
σ		0.606	0.081	7.839	7.559	29.170	0.093	0.214	0.118
%RSD		59.760	2.332	0.777	0.206	0.699	6.808	5.451	7.110
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	1.895	15.820	14.940	0.706	2.192	0.870	0.000	282.900
2	01:21:31	1.994	16.400	16.670	0.745	1.020	0.002	0.000	282.300
3	01:22:14	2.095	15.720	16.370	1.116	0.629	0.176	0.000	283.700
x		1.995	15.980	15.990	0.856	1.280	0.349	0.000	283.000
σ		0.100	0.364	0.924	0.226	0.813	0.459	0.000	0.737
%RSD		5.023	2.280	5.778	26.420	63.530	131.500	0.000	0.260
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	101.027%	2.113	2.117	95.868%	0.002	0.003	0.124	0.130
2	01:21:31	101.300%	1.232	1.285	96.482%	0.008	-0.003	-0.034	0.028
3	01:22:14	101.253%	0.905	1.053	95.836%	0.010	0.007	0.079	0.051
x		101.193%	1.417	1.485	96.062%	0.007	0.002	0.056	0.070
σ		0.146%	0.625	0.560	0.364%	0.004	0.005	0.082	0.054
%RSD		0.144	44.100	37.690	0.379	62.050	201.600	144.900	77.170
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:20:48	100.892%	2.202	1.116	1.105	21.940	21.990	105.533%	105.832%
2	01:21:31	100.468%	1.937	0.763	0.777	21.590	21.920	107.280%	107.171%
3	01:22:14	100.355%	1.706	0.526	0.564	21.820	21.780	107.089%	107.912%
x		100.572%	1.948	0.802	0.815	21.780	21.900	106.634%	106.971%
σ		0.283%	0.248	0.296	0.273	0.178	0.106	0.958%	1.054%
%RSD		0.281	12.740	36.990	33.430	0.819	0.483	0.899	0.985
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:20:48	0.028	0.040	1.853	1.814	1.825	100.709%		
2	01:21:31	0.033	0.045	1.823	1.755	1.837	102.065%		
3	01:22:14	0.028	0.030	1.874	1.979	1.848	102.362%		
x		0.030	0.038	1.850	1.849	1.837	101.712%		
σ		0.003	0.008	0.026	0.116	0.011	0.882%		
%RSD		8.867	20.730	1.395	6.283	0.603	0.867		

L91E4 11/24/2010 1:24:24 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:25:07	109.115%	0.095	210.300	207.000	0.000	17260.000	10870.000	10520.000
2	01:25:50	108.174%	0.072	212.200	209.400	0.000	17400.000	10950.000	10710.000
3	01:26:32	106.379%	0.074	214.400	204.400	0.000	17450.000	11100.000	10700.000
x		107.889%	0.080	212.300	206.900	0.000	17370.000	10970.000	10640.000
σ		1.390%	0.013	2.086	2.499	0.000	98.930	116.500	104.400
%RSD		1.288	15.780	0.983	1.208	0.000	0.570	1.061	0.981

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:25:07	969.700	9193.000	0.000	3051.000	66930.000	66660.000	96.168%	15.590
2	01:25:50	971.700	9241.000	0.000	3067.000	67150.000	67420.000	95.154%	16.290
3	01:26:32	960.400	9164.000	0.000	3057.000	66090.000	66790.000	95.194%	17.150
x		967.300	9200.000	0.000	3058.000	66730.000	66960.000	95.505%	16.350
σ		6.030	38.850	0.000	8.125	559.600	405.600	0.574%	0.783
%RSD		0.623	0.422	0.000	0.266	0.839	0.606	0.601	4.788

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:25:07	2.516	4.521	632.600	9632.000	9815.000	1.042	2.038	2.650
2	01:25:50	1.924	4.582	643.300	9662.000	9873.000	1.049	1.986	2.649
3	01:26:32	3.210	4.529	644.300	9632.000	9848.000	1.065	1.997	2.600
x		2.550	4.544	640.100	9642.000	9846.000	1.052	2.007	2.633
σ		0.644	0.033	6.518	17.410	29.040	0.012	0.027	0.029
%RSD		25.240	0.723	1.018	0.181	0.295	1.107	1.363	1.086

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:25:07	2.945	9.308	9.610	6.821	0.588	0.351	0.000	233.800
2	01:25:50	3.108	10.410	9.664	8.810	0.387	0.543	0.000	233.800
3	01:26:32	2.888	9.590	10.150	7.787	0.409	0.082	0.000	235.100
x		2.980	9.769	9.807	7.806	0.461	0.325	0.000	234.200
σ		0.115	0.572	0.295	0.994	0.110	0.231	0.000	0.781
%RSD		3.848	5.858	3.012	12.740	23.850	71.120	0.000	0.333

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:25:07	101.404%	2.015	2.279	96.916%	0.007	0.005	-0.038	-0.037
2	01:25:50	101.357%	2.218	2.048	97.792%	0.011	0.003	0.055	0.085
3	01:26:32	102.072%	1.852	1.970	97.291%	-0.003	0.003	-0.085	-0.023
x		101.611%	2.028	2.099	97.333%	0.005	0.004	-0.023	0.008
σ		0.400%	0.183	0.161	0.440%	0.007	0.001	0.071	0.067
%RSD		0.393	9.029	7.666	0.452	145.800	28.750	313.800	809.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:25:07	99.781%	1.437	0.327	0.330	45.860	46.600	105.667%	106.006%
2	01:25:50	101.638%	1.272	0.237	0.325	46.110	46.070	107.268%	107.786%
3	01:26:32	103.128%	1.256	0.253	0.250	45.810	45.230	109.098%	109.565%
x		101.516%	1.322	0.272	0.302	45.930	45.970	107.344%	107.785%
σ		1.677%	0.100	0.048	0.044	0.162	0.691	1.717%	1.779%
%RSD		1.652	7.586	17.500	14.750	0.352	1.503	1.599	1.651

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:25:07	0.009	0.020	2.742	2.498	2.630	100.737%
2	01:25:50	0.020	0.018	2.680	2.673	2.672	103.048%
3	01:26:32	0.015	0.018	2.602	2.574	2.618	104.547%
x		0.015	0.019	2.675	2.582	2.640	102.777%
σ		0.006	0.001	0.070	0.088	0.029	1.919%
%RSD		37.070	7.012	2.627	3.395	1.087	1.867

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:26	106.620%	0.026	120.800	117.000	0.000	35480.000	33200.000	32140.000
2	01:30:09	108.123%	0.017	117.100	117.600	0.000	35540.000	32470.000	32180.000
3	01:30:52	108.705%	0.017	115.200	110.300	0.000	35210.000	33200.000	31900.000
x		107.816%	0.020	117.700	115.000	0.000	35410.000	32950.000	32070.000
σ		1.076%	0.005	2.842	4.057	0.000	176.400	417.200	152.000
%RSD		0.998	24.130	2.414	3.528	0.000	0.498	1.266	0.474
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:26	144.200	9165.000	0.000	2392.000	126400.000	136400.000	96.799%	4.162
2	01:30:09	142.700	9181.000	0.000	2371.000	128700.000	137300.000	95.902%	3.439
3	01:30:52	143.000	9066.000	0.000	2390.000	129200.000	138000.000	95.602%	3.604
x		143.300	9137.000	0.000	2384.000	128100.000	137200.000	96.101%	3.735
σ		0.791	62.360	0.000	11.850	1506.000	802.500	0.622%	0.379
%RSD		0.552	0.683	0.000	0.497	1.175	0.585	0.648	10.140
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:26	0.877	3.199	2483.000	11530.000	11940.000	0.460	0.080	0.772
2	01:30:09	2.214	3.302	2484.000	11470.000	11950.000	0.442	0.063	0.748
3	01:30:52	0.576	3.159	2506.000	11560.000	12040.000	0.435	0.167	0.669
x		1.223	3.220	2491.000	11520.000	11980.000	0.446	0.103	0.730
σ		0.872	0.074	13.130	45.660	56.380	0.013	0.056	0.054
%RSD		71.320	2.284	0.527	0.396	0.471	2.854	54.120	7.363
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:26	1.135	6.852	7.120	10.330	0.544	0.493	0.000	359.800
2	01:30:09	1.261	7.015	7.157	10.120	0.101	0.352	0.000	360.300
3	01:30:52	1.188	7.440	7.366	10.390	-0.209	0.085	0.000	357.500
x		1.195	7.102	7.214	10.280	0.145	0.310	0.000	359.200
σ		0.063	0.304	0.133	0.142	0.379	0.207	0.000	1.473
%RSD		5.312	4.278	1.841	1.385	261.000	66.730	0.000	0.410
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:26	101.106%	1.737	1.747	96.451%	0.010	-0.011	0.108	0.064
2	01:30:09	101.448%	1.649	1.632	96.584%	-0.003	-0.006	-0.072	-0.056
3	01:30:52	101.196%	1.722	1.450	96.343%	0.003	-0.011	-0.078	-0.049
x		101.250%	1.702	1.610	96.459%	0.003	-0.009	-0.014	-0.014
σ		0.177%	0.047	0.150	0.121%	0.006	0.003	0.106	0.068
%RSD		0.175	2.774	9.316	0.125	181.300	29.410	749.600	487.800
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:26	101.326%	0.980	0.135	0.118	163.100	163.700	107.301%	107.643%
2	01:30:09	101.523%	1.092	0.127	0.134	162.500	163.600	107.858%	108.124%
3	01:30:52	101.599%	1.113	0.106	0.136	158.800	163.100	108.148%	108.413%
x		101.483%	1.061	0.123	0.130	161.500	163.500	107.769%	108.060%
σ		0.141%	0.071	0.015	0.010	2.334	0.308	0.431%	0.389%
%RSD		0.139	6.724	12.130	7.435	1.445	0.188	0.399	0.360
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:29:26	0.003	0.004	0.942	0.930	0.924	101.275%		
2	01:30:09	0.001	-0.001	0.894	0.951	0.921	102.833%		
3	01:30:52	0.006	0.007	0.929	0.992	0.909	103.127%		
x		0.003	0.004	0.922	0.958	0.918	102.412%		
σ		0.003	0.004	0.025	0.032	0.008	0.995%		
%RSD		85.470	110.700	2.695	3.308	0.818	0.972		

L912L 11/24/2010 1:33:03 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:46	109.566%	0.009	405.300	406.100	0.000	12180.000	45510.000	44130.000
2	01:34:29	106.711%	0.026	420.000	414.900	0.000	12360.000	46220.000	44380.000
3	01:35:12	104.970%	-0.006	431.200	416.100	0.000	12500.000	46690.000	44870.000
x		107.082%	0.010	418.800	412.300	0.000	12350.000	46140.000	44460.000
σ		2.321%	0.016	12.970	5.415	0.000	160.900	594.000	378.800
%RSD		2.167	163.500	3.097	1.313	0.000	1.303	1.287	0.852

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:46	713.500	10830.000	0.000	9263.000	95590.000	103100.000	93.776%	13.660
2	01:34:29	709.700	10810.000	0.000	9303.000	97020.000	97060.000	93.450%	13.190
3	01:35:12	719.500	10720.000	0.000	9291.000	98190.000	97090.000	92.346%	12.970
x		714.200	10790.000	0.000	9285.000	96930.000	99100.000	93.191%	13.270
σ		4.971	55.120	0.000	20.590	1305.000	3502.000	0.750%	0.352
%RSD		0.696	0.511	0.000	0.222	1.346	3.534	0.804	2.652

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:46	3.240	14.260	1273.000	8636.000	9075.000	1.493	151.500	29.590
2	01:34:29	1.843	13.960	1270.000	8597.000	8974.000	1.603	151.900	29.560
3	01:35:12	1.610	13.800	1275.000	8677.000	9036.000	1.557	150.500	29.530
x		2.231	14.010	1273.000	8636.000	9028.000	1.551	151.300	29.560
σ		0.881	0.232	2.378	40.140	50.700	0.055	0.692	0.030
%RSD		39.510	1.657	0.187	0.465	0.562	3.560	0.458	0.102

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:46	30.610	162.200	164.900	2.983	0.996	-0.163	0.000	393.200
2	01:34:29	29.490	162.400	163.800	2.114	0.851	0.266	0.000	395.500
3	01:35:12	30.240	162.400	164.400	2.564	0.335	0.020	0.000	394.100
x		30.110	162.300	164.400	2.554	0.727	0.041	0.000	394.300
σ		0.572	0.124	0.532	0.435	0.347	0.215	0.000	1.130
%RSD		1.899	0.077	0.324	17.020	47.780	524.000	0.000	0.286

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:46	98.284%	93.670	95.070	94.148%	0.182	0.188	0.375	0.253
2	01:34:29	97.653%	94.370	95.570	93.824%	0.142	0.133	0.174	0.177
3	01:35:12	98.193%	95.000	96.120	93.835%	0.147	0.128	0.158	0.127
x		98.043%	94.350	95.590	93.935%	0.157	0.150	0.235	0.186
σ		0.341%	0.665	0.528	0.184%	0.021	0.033	0.121	0.064
%RSD		0.348	0.705	0.552	0.196	13.650	22.040	51.300	34.350

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:46	98.618%	1.905	0.470	0.531	72.740	74.380	104.072%	104.643%
2	01:34:29	98.484%	1.954	0.445	0.545	75.030	73.330	104.384%	104.963%
3	01:35:12	98.714%	1.933	0.455	0.476	74.820	73.310	105.083%	105.406%
x		98.606%	1.931	0.457	0.517	74.200	73.670	104.513%	105.004%
σ		0.115%	0.024	0.013	0.037	1.270	0.613	0.518%	0.383%
%RSD		0.117	1.264	2.755	7.105	1.712	0.833	0.495	0.365

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:33:46	0.029	0.012	12.690	12.360	12.540	98.980%
2	01:34:29	0.024	0.009	12.420	12.750	12.640	100.487%
3	01:35:12	0.009	0.006	12.850	12.350	12.580	101.278%
x		0.021	0.009	12.650	12.490	12.590	100.249%
σ		0.010	0.003	0.217	0.228	0.052	1.167%
%RSD		49.870	34.170	1.718	1.828	0.409	1.164

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:38:06	109.374%	-0.006	5.558	6.238	0.000	-39.580	4.088	2.442
2	01:38:49	106.546%	0.018	6.125	5.123	0.000	-40.780	1.704	1.495
3	01:39:32	108.830%	-0.006	4.902	4.792	0.000	-40.950	1.268	0.734
x		108.250%	0.002	5.528	5.384	0.000	-40.440	2.353	1.557
σ		1.501%	0.014	0.612	0.757	0.000	0.750	1.518	0.855
%RSD		1.386	766.900	11.070	14.070	0.000	1.854	64.500	54.940
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:38:06	0.565	13.850	0.000	0.943	4.189	22.050	93.397%	0.068
2	01:38:49	0.621	11.650	0.000	-2.635	-1.391	16.050	92.690%	0.361
3	01:39:32	0.530	11.690	0.000	-2.778	7.331	22.850	91.194%	0.134
x		0.572	12.400	0.000	-1.490	3.377	20.320	92.427%	0.188
σ		0.046	1.258	0.000	2.108	4.417	3.715	1.125%	0.154
%RSD		8.013	10.150	0.000	141.400	130.800	18.280	1.217	82.040
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:38:06	0.495	2.769	0.094	13.320	3.803	-0.001	0.354	-0.095
2	01:38:49	0.927	2.612	0.055	5.438	-5.758	-0.007	0.276	-0.058
3	01:39:32	0.180	2.620	0.067	3.639	-7.333	-0.005	0.384	-0.072
x		0.534	2.667	0.072	7.467	-3.096	-0.005	0.338	-0.075
σ		0.375	0.088	0.020	5.150	6.026	0.003	0.056	0.019
%RSD		70.200	3.299	27.580	68.980	194.600	65.790	16.550	25.170
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:38:06	0.101	1.340	1.663	-0.863	-0.174	-0.750	0.000	0.016
2	01:38:49	0.136	1.592	1.384	0.145	-0.119	-0.124	0.000	0.009
3	01:39:32	0.072	1.539	1.387	-0.442	-0.395	0.509	0.000	0.012
x		0.103	1.490	1.478	-0.387	-0.229	-0.122	0.000	0.012
σ		0.032	0.132	0.160	0.506	0.146	0.629	0.000	0.004
%RSD		31.300	8.886	10.850	131.000	63.490	517.300	0.000	30.120
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:38:06	99.190%	1.507	1.630	97.172%	0.002	-0.003	-0.004	0.015
2	01:38:49	98.999%	1.059	0.895	97.550%	-0.001	-0.008	-0.141	-0.085
3	01:39:32	98.241%	0.745	0.771	97.551%	-0.003	-0.001	-0.024	-0.011
x		98.810%	1.104	1.099	97.424%	-0.001	-0.004	-0.056	-0.027
σ		0.502%	0.383	0.464	0.218%	0.002	0.003	0.074	0.051
%RSD		0.508	34.700	42.240	0.224	300.800	80.930	132.500	189.500
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:38:06	101.139%	0.553	0.033	0.060	0.024	0.038	105.741%	105.392%
2	01:38:49	100.848%	0.618	0.024	0.018	0.073	0.038	106.378%	106.558%
3	01:39:32	101.011%	0.652	0.040	0.025	-0.005	0.022	105.667%	106.698%
x		100.999%	0.608	0.032	0.034	0.031	0.033	105.928%	106.216%
σ		0.146%	0.050	0.008	0.022	0.040	0.010	0.391%	0.717%
%RSD		0.144	8.271	24.620	64.060	129.100	29.440	0.369	0.675
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:38:06	0.000	0.001	0.009	0.008	0.002	103.961%		
2	01:38:49	-0.007	-0.008	0.014	-0.022	0.002	105.881%		
3	01:39:32	0.000	-0.008	-0.011	0.007	0.000	106.282%		
x		-0.002	-0.005	0.004	-0.002	0.001	105.375%		
σ		0.004	0.005	0.013	0.017	0.001	1.240%		
%RSD		199.300	97.010	323.200	752.500	66.020	1.177		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:27	106.975%	0.050	70.630	68.620	0.000	5746.000	7696.000	7438.000
2	01:43:10	104.349%	0.051	68.630	69.590	0.000	5889.000	7834.000	7581.000
3	01:43:53	103.396%	0.027	70.380	69.630	0.000	5934.000	7821.000	7590.000
x		104.907%	0.043	69.880	69.280	0.000	5856.000	7784.000	7536.000
σ		1.854%	0.013	1.088	0.573	0.000	98.370	76.380	85.460
%RSD		1.767	31.600	1.556	0.828	0.000	1.680	0.981	1.134

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:27	985.100	6265.000	0.000	3000.000	57090.000	57770.000	91.529%	13.160
2	01:43:10	994.700	6410.000	0.000	2964.000	57260.000	58410.000	90.362%	12.780
3	01:43:53	999.600	6282.000	0.000	2952.000	57260.000	58410.000	89.242%	12.560
x		993.100	6319.000	0.000	2972.000	57200.000	58200.000	90.378%	12.830
σ		7.389	79.040	0.000	24.880	95.050	368.000	1.144%	0.303
%RSD		0.744	1.251	0.000	0.837	0.166	0.632	1.266	2.365

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:27	1.802	4.479	2938.000	2798.000	3030.000	1.223	2.179	2.044
2	01:43:10	2.020	4.120	2967.000	2828.000	3047.000	1.268	2.481	2.010
3	01:43:53	2.292	3.987	2971.000	2840.000	3098.000	1.162	2.141	2.042
x		2.038	4.196	2959.000	2822.000	3058.000	1.218	2.267	2.032
σ		0.245	0.255	17.920	21.880	35.390	0.053	0.186	0.019
%RSD		12.040	6.072	0.606	0.775	1.157	4.358	8.222	0.937

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:27	2.384	8.577	9.024	7.697	0.329	0.043	0.000	170.500
2	01:43:10	2.449	8.398	8.623	7.086	0.627	0.476	0.000	171.200
3	01:43:53	2.259	8.761	8.905	7.684	0.110	1.481	0.000	170.500
x		2.364	8.579	8.851	7.489	0.355	0.666	0.000	170.700
σ		0.097	0.182	0.206	0.349	0.260	0.738	0.000	0.416
%RSD		4.086	2.120	2.331	4.660	73.070	110.700	0.000	0.244

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:27	95.419%	2.623	2.780	91.492%	0.008	0.008	-0.103	-0.032
2	01:43:10	96.484%	2.883	2.704	92.414%	0.004	-0.007	-0.180	-0.095
3	01:43:53	96.263%	2.625	2.815	92.310%	-0.007	0.009	-0.009	-0.008
x		96.056%	2.711	2.766	92.072%	0.002	0.003	-0.097	-0.045
σ		0.562%	0.150	0.057	0.505%	0.008	0.009	0.086	0.045
%RSD		0.585	5.522	2.060	0.548	442.900	282.400	88.120	100.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:27	94.912%	0.823	0.227	0.282	38.370	37.510	101.259%	101.366%
2	01:43:10	96.178%	0.918	0.277	0.266	36.790	37.680	102.783%	103.713%
3	01:43:53	97.015%	0.763	0.247	0.227	36.200	38.260	103.991%	102.803%
x		96.035%	0.835	0.250	0.258	37.120	37.820	102.678%	102.627%
σ		1.059%	0.078	0.025	0.028	1.124	0.394	1.369%	1.183%
%RSD		1.103	9.347	10.090	10.880	3.029	1.041	1.334	1.153

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:42:27	0.055	0.070	1.087	1.133	1.131	97.555%
2	01:43:10	0.047	0.058	1.131	1.182	1.162	99.817%
3	01:43:53	0.060	0.062	1.205	1.088	1.170	100.535%
x		0.054	0.063	1.141	1.134	1.154	99.302%
σ		0.006	0.006	0.060	0.047	0.020	1.555%
%RSD		12.030	9.480	5.234	4.123	1.770	1.566

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:46:48	109.119%	0.009	3.607	3.363	0.000	-43.400	0.483	0.293
2	01:47:30	107.948%	0.010	3.282	3.089	0.000	-43.980	0.232	0.390
3	01:48:14	107.258%	0.018	3.266	2.502	0.000	-43.160	0.348	0.005
x		108.108%	0.012	3.385	2.985	0.000	-43.510	0.354	0.230
σ		0.941%	0.005	0.193	0.439	0.000	0.422	0.125	0.200
%RSD		0.870	38.790	5.696	14.720	0.000	0.969	35.340	87.200

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:46:48	0.432	11.240	0.000	0.551	1.460	19.300	92.440%	0.047
2	01:47:30	0.257	11.020	0.000	0.083	16.080	23.840	90.770%	0.407
3	01:48:14	0.407	10.420	0.000	0.992	4.620	22.070	89.880%	0.415
x		0.365	10.890	0.000	0.542	7.387	21.740	91.030%	0.290
σ		0.095	0.427	0.000	0.455	7.693	2.285	1.300%	0.210
%RSD		25.970	3.917	0.000	83.940	104.100	10.510	1.428	72.450

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:46:48	-0.299	2.814	0.123	0.647	-11.670	-0.005	-0.055	-0.086
2	01:47:30	1.319	2.826	0.084	-1.489	-12.870	-0.008	-0.061	-0.159
3	01:48:14	0.075	2.757	0.092	-1.986	-13.940	-0.005	-0.033	-0.141
x		0.365	2.799	0.100	-0.943	-12.830	-0.006	-0.050	-0.129
σ		0.847	0.036	0.021	1.399	1.138	0.002	0.015	0.038
%RSD		232.100	1.303	20.560	148.400	8.868	26.940	30.040	29.490

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:46:48	0.055	2.734	2.801	-0.704	-0.208	0.039	0.000	0.009
2	01:47:30	-0.022	2.806	2.771	-0.592	0.102	0.035	0.000	0.005
3	01:48:14	0.048	2.460	2.976	-0.317	-1.517	0.757	0.000	0.029
x		0.027	2.667	2.849	-0.538	-0.541	0.277	0.000	0.015
σ		0.043	0.182	0.111	0.199	0.859	0.416	0.000	0.013
%RSD		159.000	6.839	3.881	37.010	158.900	150.100	0.000	87.960

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:46:48	96.396%	0.300	0.275	94.908%	-0.009	-0.001	-0.027	-0.015
2	01:47:30	95.325%	0.337	0.294	95.613%	0.001	-0.006	-0.083	-0.054
3	01:48:14	96.196%	0.198	0.194	95.307%	-0.007	-0.003	-0.144	-0.095
x		95.973%	0.278	0.255	95.276%	-0.005	-0.003	-0.085	-0.055
σ		0.570%	0.072	0.053	0.354%	0.005	0.002	0.058	0.040
%RSD		0.593	25.940	20.750	0.371	97.570	77.460	68.850	73.800

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:46:48	98.481%	0.565	0.018	0.053	-0.034	0.011	103.778%	103.637%
2	01:47:30	98.701%	0.637	0.029	0.022	-0.004	0.011	103.539%	104.826%
3	01:48:14	97.953%	0.548	0.015	0.018	-0.034	0.017	104.275%	105.179%
x		98.378%	0.584	0.021	0.031	-0.024	0.013	103.864%	104.547%
σ		0.384%	0.047	0.007	0.019	0.017	0.003	0.375%	0.808%
%RSD		0.391	8.102	35.470	62.080	72.370	25.170	0.361	0.773

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:46:48	0.002	-0.006	-0.003	-0.015	-0.021	102.531%
2	01:47:30	-0.008	-0.005	-0.010	-0.003	-0.008	104.716%
3	01:48:14	-0.009	-0.002	-0.019	-0.002	-0.014	104.664%
x		-0.005	-0.004	-0.011	-0.007	-0.014	103.970%
σ		0.006	0.002	0.008	0.007	0.007	1.247%
%RSD		121.100	42.090	78.230	107.100	47.530	1.199

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:54:02	108.202%	0.017	2.347	1.569	0.000	-48.230	-0.807	-0.535
2	01:54:44	108.381%	-0.006	1.687	1.672	0.000	-48.040	-0.755	-0.429
3	01:55:27	106.020%	0.010	1.103	1.845	0.000	-48.450	-0.245	-0.494
x		107.535%	0.007	1.712	1.695	0.000	-48.240	-0.603	-0.486
σ		1.315%	0.012	0.623	0.140	0.000	0.203	0.310	0.053
%RSD		1.222	170.400	36.370	8.235	0.000	0.421	51.510	11.000
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:54:02	-1.184	0.743	0.000	-3.851	-4.291	3.180	94.814%	-0.404
2	01:54:44	-1.127	0.831	0.000	-6.425	-1.463	-1.442	93.872%	-0.403
3	01:55:27	-1.228	0.933	0.000	-4.451	-4.207	0.807	92.000%	-0.322
x		-1.180	0.836	0.000	-4.909	-3.320	0.849	93.562%	-0.376
σ		0.051	0.095	0.000	1.347	1.609	2.311	1.432%	0.047
%RSD		4.319	11.360	0.000	27.440	48.460	272.400	1.531	12.510
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:54:02	0.046	0.380	-0.039	-4.836	-8.411	-0.007	-0.097	-0.222
2	01:54:44	0.210	0.469	-0.118	-5.603	-9.910	-0.001	-0.063	-0.243
3	01:55:27	-0.149	0.385	-0.062	-5.950	-9.654	-0.004	-0.075	-0.229
x		0.035	0.412	-0.073	-5.463	-9.325	-0.004	-0.078	-0.231
σ		0.180	0.050	0.040	0.570	0.801	0.003	0.017	0.010
%RSD		506.400	12.120	55.420	10.430	8.595	73.230	22.010	4.486
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:54:02	-0.108	-0.519	-0.433	-0.270	0.836	-0.525	0.000	-0.009
2	01:54:44	-0.102	-0.541	-0.478	-0.070	0.812	0.416	0.000	-0.010
3	01:55:27	-0.013	-0.571	-0.517	-0.475	0.410	-0.703	0.000	-0.010
x		-0.074	-0.544	-0.476	-0.271	0.686	-0.270	0.000	-0.010
σ		0.053	0.026	0.042	0.203	0.239	0.601	0.000	0.001
%RSD		71.300	4.813	8.856	74.640	34.850	222.400	0.000	6.209
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:54:02	96.502%	0.131	0.126	95.310%	-0.007	-0.006	-0.008	0.014
2	01:54:44	96.312%	0.121	0.105	95.578%	-0.002	-0.009	-0.028	-0.012
3	01:55:27	96.160%	0.009	0.093	95.270%	0.001	-0.007	-0.099	-0.058
x		96.325%	0.087	0.108	95.386%	-0.003	-0.007	-0.045	-0.019
σ		0.171%	0.068	0.017	0.167%	0.004	0.002	0.048	0.036
%RSD		0.178	77.910	15.840	0.176	130.900	21.550	105.900	194.900
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:54:02	97.668%	-0.111	-0.016	0.006	-0.054	-0.023	100.252%	99.592%
2	01:54:44	97.330%	-0.225	-0.029	-0.027	-0.054	-0.023	101.713%	101.114%
3	01:55:27	98.368%	-0.198	-0.021	0.001	-0.024	-0.023	101.261%	101.701%
x		97.789%	-0.178	-0.022	-0.007	-0.044	-0.023	101.075%	100.802%
σ		0.530%	0.060	0.006	0.018	0.018	0.000	0.748%	1.089%
%RSD		0.542	33.420	29.330	272.500	40.070	0.110	0.740	1.080
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	01:54:02	-0.011	-0.009	-0.039	-0.033	-0.041	101.213%		
2	01:54:44	-0.006	-0.011	-0.030	-0.047	-0.041	100.376%		
3	01:55:27	-0.007	-0.012	-0.050	-0.039	-0.046	100.705%		
x		-0.008	-0.010	-0.040	-0.040	-0.043	100.764%		
σ		0.003	0.001	0.010	0.007	0.003	0.422%		
%RSD		30.960	14.450	25.500	18.710	6.310	0.419		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:58:20	107.572%	43.900	837.600	827.600	0.000	44040.000	52730.000	50950.000
2	01:59:02	105.897%	45.660	879.200	856.400	0.000	45500.000	54350.000	52580.000
3	01:59:45	110.142%	43.790	846.800	827.800	0.000	44780.000	54050.000	51930.000
x		107.870%	44.450	854.500	837.300	0.000	44770.000	53710.000	51820.000
σ		2.138%	1.052	21.880	16.550	0.000	731.900	862.700	823.200
%RSD		1.982	2.366	2.560	1.976	0.000	1.635	1.606	1.589

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:58:20	1924.000	7.426	0.000	45710.000	46180.000	46660.000	92.409%	0.392
2	01:59:02	1977.000	7.984	0.000	46820.000	46840.000	47050.000	91.370%	0.428
3	01:59:45	1945.000	7.472	0.000	46660.000	47350.000	47310.000	92.218%	0.393
x		1949.000	7.627	0.000	46400.000	46790.000	47010.000	91.999%	0.404
σ		26.660	0.310	0.000	603.200	586.600	325.000	0.553%	0.020
%RSD		1.368	4.063	0.000	1.300	1.254	0.691	0.601	5.055

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:58:20	473.200	186.400	465.400	932.200	1176.000	465.800	465.700	239.100
2	01:59:02	472.100	190.200	476.000	943.200	1200.000	476.200	472.100	240.700
3	01:59:45	473.000	190.400	475.800	943.500	1190.000	477.800	477.700	241.000
x		472.800	189.000	472.400	939.600	1188.000	473.300	471.900	240.300
σ		0.592	2.273	6.053	6.426	12.170	6.536	5.990	1.019
%RSD		0.125	1.203	1.281	0.684	1.024	1.381	1.269	0.424

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:58:20	243.600	500.100	500.200	37.680	10.590	10.160	0.000	928.800
2	01:59:02	242.700	507.000	505.900	38.960	10.490	10.690	0.000	941.200
3	01:59:45	244.500	504.100	505.400	38.600	10.940	11.270	0.000	935.100
x		243.600	503.700	503.800	38.410	10.670	10.710	0.000	935.000
σ		0.895	3.432	3.154	0.657	0.232	0.555	0.000	6.186
%RSD		0.367	0.681	0.626	1.711	2.176	5.184	0.000	0.662

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:58:20	95.066%	0.283	0.447	91.548%	48.460	48.640	49.970	48.940
2	01:59:02	95.911%	0.382	0.425	92.930%	49.220	48.580	48.160	48.160
3	01:59:45	96.878%	0.589	0.523	93.121%	48.610	48.860	48.140	49.780
x		95.952%	0.418	0.465	92.533%	48.760	48.690	48.760	48.960
σ		0.907%	0.156	0.051	0.858%	0.401	0.151	1.051	0.809
%RSD		0.945	37.390	11.000	0.927	0.822	0.310	2.156	1.651

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:58:20	96.040%	1.045	0.199	0.244	1854.000	1878.000	103.114%	102.789%
2	01:59:02	97.753%	1.227	0.224	0.246	1868.000	1873.000	105.093%	104.739%
3	01:59:45	97.986%	1.188	0.188	0.225	1888.000	1898.000	104.627%	105.449%
x		97.259%	1.154	0.204	0.239	1870.000	1883.000	104.278%	104.326%
σ		1.063%	0.096	0.019	0.012	17.060	12.990	1.035%	1.377%
%RSD		1.093	8.295	9.203	4.981	0.913	0.690	0.992	1.320

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	01:58:20	49.630	49.460	19.980	21.660	20.730	98.181%
2	01:59:02	50.220	50.430	19.510	21.320	20.360	100.238%
3	01:59:45	49.990	50.620	19.590	21.100	20.450	100.853%
x		49.940	50.170	19.690	21.360	20.510	99.757%
σ		0.299	0.622	0.250	0.280	0.193	1.400%
%RSD		0.599	1.240	1.271	1.309	0.940	1.403

L9TLLF 11/24/2010 2:01:55 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:02:38	112.050%	0.001	16.560	15.760	0.000	4328.000	43170.000	41700.000
2	02:03:20	107.771%	0.025	14.930	14.110	0.000	4412.000	43840.000	42050.000
3	02:04:03	107.632%	0.010	12.770	12.150	0.000	4495.000	44630.000	42260.000
x		109.151%	0.012	14.750	14.010	0.000	4412.000	43880.000	42000.000
σ		2.512%	0.012	1.902	1.810	0.000	83.420	731.100	279.400
%RSD		2.301	101.600	12.890	12.920	0.000	1.891	1.666	0.665
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:02:38	14.160	2162.000	0.000	8803.000	115200.000	122100.000	93.972%	0.611
2	02:03:20	13.920	2140.000	0.000	8856.000	116500.000	124500.000	92.961%	0.307
3	02:04:03	13.500	2116.000	0.000	8901.000	117600.000	126300.000	92.013%	0.421
x		13.860	2139.000	0.000	8853.000	116500.000	124300.000	92.982%	0.446
σ		0.334	23.090	0.000	49.050	1192.000	2099.000	0.979%	0.154
%RSD		2.411	1.079	0.000	0.554	1.023	1.689	1.053	34.470
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:02:38	0.676	4.396	5958.000	26.580	681.500	5.868	1.728	0.904
2	02:03:20	1.327	3.966	6026.000	26.230	637.500	5.843	1.449	0.980
3	02:04:03	0.674	3.837	6152.000	26.700	648.900	6.109	1.584	1.093
x		0.892	4.066	6045.000	26.500	656.000	5.940	1.587	0.992
σ		0.376	0.292	98.410	0.243	22.870	0.147	0.139	0.095
%RSD		42.160	7.190	1.628	0.918	3.487	2.474	8.771	9.591
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:02:38	1.824	3.736	4.249	-0.020	0.343	-0.044	0.000	333.900
2	02:03:20	1.761	3.633	3.660	-1.002	0.137	1.135	0.000	334.400
3	02:04:03	1.710	3.968	4.040	0.947	-0.455	0.357	0.000	336.700
x		1.765	3.779	3.983	-0.025	0.008	0.482	0.000	335.000
σ		0.057	0.172	0.299	0.974	0.414	0.599	0.000	1.478
%RSD		3.233	4.541	7.502	3893.000	4931.000	124.300	0.000	0.441
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:02:38	96.676%	0.250	0.315	93.921%	-0.004	0.002	0.106	0.084
2	02:03:20	98.005%	0.201	0.271	94.581%	-0.007	-0.009	0.086	0.061
3	02:04:03	97.959%	0.251	0.354	94.677%	-0.003	0.007	0.001	0.001
x		97.547%	0.234	0.313	94.393%	-0.005	-0.000	0.064	0.049
σ		0.754%	0.029	0.042	0.411%	0.002	0.008	0.055	0.043
%RSD		0.773	12.320	13.250	0.436	51.830	45600.000	86.470	87.750
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:02:38	98.007%	0.838	0.077	0.103	19.770	19.610	103.262%	102.914%
2	02:03:20	98.589%	0.860	0.112	0.162	19.570	19.710	105.640%	105.336%
3	02:04:03	101.227%	0.839	0.128	0.151	19.750	19.730	107.373%	107.077%
x		99.274%	0.846	0.106	0.139	19.700	19.680	105.425%	105.109%
σ		1.716%	0.013	0.026	0.032	0.113	0.062	2.064%	2.091%
%RSD		1.729	1.494	24.640	22.810	0.574	0.313	1.958	1.989
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	02:02:38	0.407	0.422	0.057	0.068	0.066	99.555%		
2	02:03:20	0.283	0.298	0.052	0.080	0.055	102.450%		
3	02:04:03	0.226	0.218	0.053	0.070	0.061	103.829%		
x		0.305	0.313	0.054	0.073	0.061	101.945%		
σ		0.093	0.103	0.003	0.007	0.005	2.181%		
%RSD		30.480	32.840	4.906	9.101	8.842	2.140		

CCV1-6 11/24/2010 2:09:07 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:09:50	98.483%	95.380	90.890	89.750	0.000	47040.000	54930.000	53390.000
2	02:10:33	97.270%	95.790	93.120	91.540	0.000	47920.000	56390.000	55000.000
3	02:11:16	98.208%	97.800	92.090	89.510	0.000	47770.000	56400.000	54820.000
x		97.987%	96.324%	92.031%	90.265%	0.000	95.149%	111.814%	108.804%
σ		0.636%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.649	1.344	1.210	1.226	0.000	0.988	1.512	1.614
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:09:50	525.700	4805.000	0.000	47760.000	47000.000	47200.000	95.898%	91.320
2	02:10:33	537.300	4852.000	0.000	48860.000	48200.000	48280.000	93.879%	94.500
3	02:11:16	532.400	4890.000	0.000	49000.000	48650.000	48710.000	93.938%	93.570
x		106.356%	96.983%	0.000	97.081%	95.901%	96.127%	94.572%	93.130%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.149%	n/a
%RSD		1.092	0.884	0.000	1.396	1.779	1.611	1.215	1.758
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:09:50	93.660	92.300	471.500	23430.000	23330.000	93.720	92.840	94.880
2	02:10:33	94.590	94.070	484.900	24250.000	23930.000	95.800	96.370	96.180
3	02:11:16	96.490	94.470	486.500	24240.000	24040.000	95.790	98.220	97.640
x		94.915%	93.612%	96.196%	95.888%	95.063%	95.102%	95.811%	96.237%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.521	1.235	1.707	1.960	1.621	1.263	2.858	1.434
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:09:50	97.930	99.770	101.500	99.830	101.500	99.100	0.000	98.060
2	02:10:33	96.640	103.100	103.000	97.560	102.200	95.560	0.000	97.920
3	02:11:16	96.480	101.700	101.400	100.200	99.970	100.600	0.000	98.180
x		97.012%	101.544%	101.950%	99.183%	101.207%	98.420%	0.000	98.056%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.820	1.657	0.865	1.428	1.104	2.627	0.000	0.134
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:09:50	96.194%	85.800	87.560	91.359%	97.570	98.670	98.170	98.700
2	02:10:33	96.831%	93.830	93.200	92.280%	98.120	98.600	99.060	98.180
3	02:11:16	97.332%	96.870	96.900	93.152%	98.700	97.530	99.300	98.110
x		96.786%	92.167%	92.552%	92.264%	98.131%	98.267%	98.841%	98.330%
σ		0.570%	n/a	n/a	0.896%	n/a	n/a	n/a	n/a
%RSD		0.589	6.202	5.081	0.972	0.579	0.648	0.601	0.329
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:09:50	95.271%	96.860	97.310	97.590	98.660	97.080	100.823%	100.878%
2	02:10:33	97.332%	95.980	97.350	97.840	96.050	95.580	103.215%	102.971%
3	02:11:16	98.119%	97.390	99.300	100.000	95.670	97.530	102.839%	102.463%
x		96.908%	96.744%	97.987%	98.483%	96.794%	96.731%	102.292%	102.104%
σ		1.471%	n/a	n/a	n/a	n/a	n/a	1.286%	1.092%
%RSD		1.518	0.734	1.164	1.356	1.684	1.054	1.257	1.069
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	02:09:50	105.300	105.700	106.300	107.300	106.900	95.352%		
2	02:10:33	106.800	106.900	107.100	107.300	107.900	95.412%		
3	02:11:16	106.600	106.600	106.800	107.000	108.000	96.523%		
x		106.260%	106.403%	106.743%	107.204%	107.598%	95.762%		
σ		n/a	n/a	n/a	n/a	n/a	0.660%		
%RSD		0.759	0.625	0.358	0.202	0.532	0.689		

CCB6 11/24/2010 2:16:22 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:17:05	108.355%	0.002	2.957	2.798	0.000	-42.730	5.658	4.457
2	02:17:48	107.512%	0.010	2.570	2.532	0.000	-40.660	6.574	5.891
3	02:18:31	109.231%	0.017	2.526	2.301	0.000	-40.690	7.102	6.679
x		108.366%	0.009	2.684	2.544	0.000	-41.360	6.445	5.675
σ		0.859%	0.008	0.237	0.249	0.000	1.187	0.730	1.126
%RSD		0.793	81.700	8.826	9.790	0.000	2.869	11.330	19.850
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:17:05	-0.275	-0.877	0.000	8.166	3.905	-4.502	95.974%	-0.379
2	02:17:48	-0.254	-0.899	0.000	8.998	31.710	-0.976	95.026%	-0.481
3	02:18:31	0.716	-0.742	0.000	8.948	12.260	-2.091	95.277%	-0.379
x		0.062	-0.839	0.000	8.704	15.960	-2.523	95.425%	-0.413
σ		0.566	0.085	0.000	0.467	14.270	1.802	0.491%	0.059
%RSD		906.900	10.160	0.000	5.367	89.400	71.430	0.515	14.270
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:17:05	-0.309	0.059	0.044	2.032	-1.155	-0.003	-0.058	-0.226
2	02:17:48	0.152	0.050	0.067	1.972	-0.525	0.003	-0.039	-0.170
3	02:18:31	0.310	0.071	0.133	1.910	3.430	0.016	-0.051	-0.233
x		0.051	0.060	0.081	1.972	0.583	0.005	-0.049	-0.210
σ		0.322	0.010	0.046	0.061	2.485	0.010	0.010	0.034
%RSD		630.100	17.120	56.730	3.097	426.100	185.000	20.080	16.430
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:17:05	-0.067	-0.594	-0.501	0.241	0.657	0.843	0.000	0.003
2	02:17:48	-0.073	-0.546	-0.526	0.340	1.269	1.063	0.000	0.005
3	02:18:31	-0.090	-0.626	-0.513	0.241	0.490	1.487	0.000	0.021
x		-0.077	-0.589	-0.513	0.274	0.805	1.131	0.000	0.009
σ		0.011	0.040	0.012	0.057	0.410	0.327	0.000	0.010
%RSD		14.930	6.803	2.339	20.940	50.940	28.950	0.000	102.600
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:17:05	100.959%	0.967	1.009	99.918%	0.001	0.001	-0.164	-0.106
2	02:17:48	102.791%	0.885	0.846	100.704%	0.001	0.007	-0.058	-0.010
3	02:18:31	101.947%	0.817	0.816	100.809%	-0.000	0.003	0.008	0.037
x		101.899%	0.890	0.890	100.477%	0.001	0.004	-0.071	-0.026
σ		0.917%	0.075	0.104	0.487%	0.001	0.003	0.087	0.073
%RSD		0.900	8.411	11.700	0.485	122.000	82.210	121.500	276.800
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:17:05	103.579%	-0.099	0.235	0.221	-0.026	-0.012	106.370%	106.195%
2	02:17:48	104.937%	-0.171	0.223	0.267	-0.017	-0.018	107.883%	107.547%
3	02:18:31	103.705%	-0.207	0.227	0.263	0.022	-0.012	107.955%	107.665%
x		104.074%	-0.159	0.228	0.250	-0.007	-0.014	107.402%	107.135%
σ		0.750%	0.055	0.006	0.025	0.025	0.003	0.895%	0.817%
%RSD		0.721	34.530	2.685	10.050	380.100	22.750	0.833	0.762
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	02:17:05	0.021	0.018	-0.006	-0.014	-0.012	102.591%		
2	02:17:48	0.031	0.030	-0.011	-0.014	-0.013	103.894%		
3	02:18:31	0.033	0.031	-0.008	-0.002	-0.006	104.290%		
x		0.028	0.026	-0.008	-0.010	-0.011	103.591%		
σ		0.006	0.007	0.002	0.007	0.004	0.889%		
%RSD		23.090	26.730	30.320	72.470	38.350	0.858		

L9TLLP5F 11/24/2010 2:20:42 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:21:25	107.049%	0.010	3.001	3.233	0.000	826.200	8392.000	8214.000
2	02:22:08	105.562%	0.018	3.306	3.370	0.000	820.900	8436.000	8248.000
3	02:22:51	105.166%	0.018	3.155	3.249	0.000	827.500	8546.000	8304.000
x		105.926%	0.015	3.154	3.284	0.000	824.900	8458.000	8255.000
σ		0.993%	0.005	0.153	0.075	0.000	3.503	79.470	45.390
%RSD		0.937	31.740	4.847	2.280	0.000	0.425	0.940	0.550
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:21:25	2.131	441.200	0.000	1733.000	22950.000	23190.000	94.419%	-0.041
2	02:22:08	2.243	434.700	0.000	1739.000	22910.000	23370.000	92.476%	-0.217
3	02:22:51	2.296	431.600	0.000	1754.000	23480.000	23420.000	91.138%	-0.213
x		2.223	435.800	0.000	1742.000	23110.000	23320.000	92.678%	-0.157
σ		0.084	4.875	0.000	10.680	319.100	120.500	1.650%	0.101
%RSD		3.796	1.119	0.000	0.613	1.381	0.517	1.780	63.920
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:21:25	0.225	0.762	1188.000	28.790	161.700	1.100	0.246	0.173
2	02:22:08	0.267	0.858	1186.000	16.800	144.500	1.252	0.277	0.148
3	02:22:51	-0.188	0.914	1188.000	11.520	131.800	1.230	0.196	0.071
x		0.102	0.845	1187.000	19.040	146.000	1.194	0.239	0.131
σ		0.251	0.077	0.616	8.850	15.010	0.082	0.041	0.053
%RSD		247.400	9.078	0.052	46.490	10.280	6.872	16.910	40.560
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:21:25	0.349	0.461	0.576	-0.073	1.461	0.245	0.000	66.820
2	02:22:08	0.414	0.518	0.708	-0.221	0.410	0.730	0.000	66.760
3	02:22:51	0.247	0.439	0.663	0.543	0.529	0.574	0.000	66.090
x		0.337	0.473	0.649	0.083	0.800	0.516	0.000	66.560
σ		0.084	0.041	0.067	0.405	0.576	0.247	0.000	0.406
%RSD		24.980	8.585	10.370	489.500	71.980	47.920	0.000	0.610
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:21:25	97.779%	1.139	1.211	95.357%	0.004	0.004	-0.020	0.006
2	02:22:08	97.718%	0.867	0.923	95.425%	-0.001	0.004	-0.024	-0.005
3	02:22:51	97.267%	0.784	0.677	95.094%	-0.004	0.008	0.005	0.046
x		97.588%	0.930	0.937	95.292%	-0.000	0.005	-0.013	0.016
σ		0.280%	0.186	0.267	0.175%	0.004	0.003	0.016	0.027
%RSD		0.287	19.980	28.530	0.183	845.800	52.510	122.400	171.700
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:21:25	99.196%	0.449	0.535	0.611	3.663	4.182	103.472%	102.619%
2	02:22:08	99.296%	0.343	0.436	0.460	4.044	3.966	104.509%	103.286%
3	02:22:51	99.781%	0.246	0.372	0.377	3.812	3.919	104.024%	103.743%
x		99.424%	0.346	0.448	0.482	3.840	4.022	104.002%	103.216%
σ		0.313%	0.101	0.082	0.118	0.192	0.140	0.519%	0.565%
%RSD		0.315	29.330	18.290	24.560	4.992	3.487	0.499	0.547
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	02:21:25	0.041	0.046	-0.006	-0.020	-0.016	117.946%		
2	02:22:08	0.034	0.035	-0.010	-0.023	-0.018	109.467%		
3	02:22:51	0.029	0.041	-0.007	-0.026	-0.016	107.321%		
x		0.035	0.041	-0.008	-0.023	-0.017	111.578%		
σ		0.006	0.005	0.002	0.003	0.001	5.618%		
%RSD		16.030	12.650	21.950	12.760	6.566	5.035		

L9TLLSF 11/24/2010 2:25:00 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:25:43	106.970%	43.680	825.500	801.100	0.000	62000.000	110600.000	105800.000
2	02:26:26	106.772%	42.940	842.700	801.200	0.000	62490.000	112200.000	106700.000
3	02:27:09	107.911%	43.620	825.700	785.300	0.000	62310.000	112700.000	106800.000
x		107.218%	43.410	831.300	795.900	0.000	62270.000	111800.000	106400.000
σ		0.609%	0.407	9.881	9.151	0.000	247.800	1080.000	538.600
%RSD		0.568	0.939	1.189	1.150	0.000	0.398	0.965	0.506
Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:25:43	1951.000	2077.000	0.000	68110.000	174300.000	186900.000	90.452%	1.005
2	02:26:26	1972.000	2101.000	0.000	69340.000	178400.000	188400.000	89.486%	0.909
3	02:27:09	1944.000	2065.000	0.000	69080.000	178000.000	188300.000	89.949%	0.848
x		1955.000	2081.000	0.000	68850.000	176900.000	187900.000	89.962%	0.920
σ		14.400	18.330	0.000	649.300	2248.000	801.800	0.483%	0.079
%RSD		0.736	0.881	0.000	0.943	1.271	0.427	0.537	8.599
Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:25:43	482.800	189.900	6341.000	980.800	1893.000	480.900	476.400	242.000
2	02:26:26	492.100	194.400	6502.000	1005.000	1874.000	484.100	479.900	239.200
3	02:27:09	486.300	192.900	6495.000	991.800	1873.000	488.600	476.400	243.900
x		487.100	192.400	6446.000	992.400	1880.000	484.500	477.500	241.700
σ		4.688	2.287	90.940	11.950	11.430	3.874	2.008	2.409
%RSD		0.963	1.189	1.411	1.204	0.608	0.800	0.420	0.997
Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:25:43	243.800	506.700	504.600	41.100	10.860	10.130	0.000	1295.000
2	02:26:26	246.000	504.000	510.500	39.520	10.270	12.000	0.000	1291.000
3	02:27:09	245.400	506.700	507.900	39.860	10.360	12.380	0.000	1282.000
x		245.100	505.800	507.700	40.160	10.500	11.510	0.000	1289.000
σ		1.154	1.575	2.945	0.836	0.320	1.206	0.000	6.735
%RSD		0.471	0.312	0.580	2.082	3.046	10.480	0.000	0.522
Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:25:43	93.828%	1.126	1.028	89.149%	49.910	49.200	49.530	49.720
2	02:26:26	96.501%	0.800	0.881	91.100%	49.170	48.140	50.040	49.610
3	02:27:09	97.289%	0.717	0.747	91.373%	49.500	49.320	50.420	48.970
x		95.873%	0.881	0.886	90.540%	49.530	48.890	50.000	49.430
σ		1.814%	0.216	0.140	1.213%	0.372	0.651	0.450	0.406
%RSD		1.892	24.540	15.850	1.340	0.752	1.331	0.899	0.820
Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:25:43	94.103%	1.813	0.722	0.811	1979.000	1991.000	101.635%	102.841%
2	02:26:26	97.975%	1.582	0.606	0.577	1929.000	1941.000	105.852%	105.304%
3	02:27:09	98.500%	1.402	0.502	0.532	1944.000	1960.000	106.548%	107.078%
x		96.859%	1.599	0.610	0.640	1951.000	1964.000	104.678%	105.075%
σ		2.402%	0.206	0.110	0.150	25.800	24.940	2.659%	2.128%
%RSD		2.479	12.880	18.040	23.390	1.322	1.270	2.540	2.025
Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	02:25:43	51.110	52.130	20.400	22.020	21.310	96.901%		
2	02:26:26	51.980	52.300	20.570	22.320	21.500	99.440%		
3	02:27:09	52.580	51.860	20.430	22.060	21.320	101.013%		
x		51.890	52.100	20.460	22.140	21.380	99.118%		
σ		0.742	0.220	0.090	0.163	0.105	2.074%		
%RSD		1.431	0.423	0.440	0.735	0.492	2.093		

L9TLLDF 11/24/2010 2:29:20 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:30:02	104.613%	45.890	904.800	864.400	0.000	51550.000	99760.000	95190.000
2	02:30:46	104.942%	44.250	873.100	845.800	0.000	50830.000	98800.000	94340.000
3	02:31:28	105.397%	45.950	875.800	833.500	0.000	51090.000	100200.000	94200.000
x		104.984%	45.360	884.600	847.900	0.000	51150.000	99570.000	94580.000
σ		0.393%	0.963	17.580	15.570	0.000	365.200	702.500	534.900
%RSD		0.375	2.122	1.987	1.837	0.000	0.714	0.706	0.566
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:30:02	2009.000	2155.000	0.000	56750.000	164400.000	174700.000	91.018%	1.182
2	02:30:46	2004.000	2138.000	0.000	56170.000	164600.000	175400.000	91.916%	0.821
3	02:31:28	1976.000	2129.000	0.000	56740.000	164000.000	176400.000	89.490%	1.073
x		1996.000	2141.000	0.000	56560.000	164300.000	175500.000	90.808%	1.025
σ		17.870	13.160	0.000	329.900	269.400	826.200	1.227%	0.185
%RSD		0.895	0.615	0.000	0.583	0.164	0.471	1.351	18.060
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:30:02	484.400	192.400	6464.000	991.600	1844.000	486.900	481.100	245.100
2	02:30:46	478.600	187.900	6363.000	978.300	1809.000	485.100	478.000	241.600
3	02:31:28	489.000	194.000	6509.000	997.500	1813.000	492.500	481.700	244.600
x		484.000	191.400	6445.000	989.200	1822.000	488.200	480.200	243.800
σ		5.195	3.140	74.750	9.830	19.150	3.832	2.002	1.876
%RSD		1.073	1.640	1.160	0.994	1.051	0.785	0.417	0.769
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:30:02	246.200	506.400	505.000	39.110	10.940	11.510	0.000	1277.000
2	02:30:46	243.100	504.900	501.200	39.660	10.500	10.210	0.000	1281.000
3	02:31:28	252.200	508.800	515.500	40.050	11.530	12.280	0.000	1281.000
x		247.100	506.700	507.300	39.600	10.990	11.340	0.000	1280.000
σ		4.611	1.924	7.402	0.474	0.515	1.046	0.000	2.201
%RSD		1.866	0.380	1.459	1.197	4.685	9.231	0.000	0.172
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:30:02	96.047%	0.755	0.718	91.107%	50.030	49.350	48.830	49.740
2	02:30:46	96.202%	0.779	0.740	91.540%	49.640	48.910	49.340	49.700
3	02:31:28	96.074%	0.723	0.736	91.210%	49.780	49.830	48.970	48.880
x		96.108%	0.752	0.731	91.286%	49.810	49.360	49.050	49.440
σ		0.083%	0.028	0.012	0.226%	0.196	0.464	0.267	0.487
%RSD		0.086	3.681	1.638	0.248	0.394	0.939	0.545	0.985
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:30:02	96.018%	1.407	0.480	0.510	1934.000	1949.000	104.620%	104.111%
2	02:30:46	96.309%	1.601	0.486	0.424	1949.000	1954.000	105.249%	105.466%
3	02:31:28	97.670%	1.451	0.419	0.447	1931.000	1956.000	105.410%	105.533%
x		96.666%	1.486	0.462	0.460	1938.000	1953.000	105.093%	105.037%
σ		0.881%	0.102	0.037	0.044	9.316	3.433	0.417%	0.803%
%RSD		0.912	6.833	7.997	9.616	0.481	0.176	0.397	0.764
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	02:30:02	51.480	51.830	19.830	21.950	21.090	97.443%		
2	02:30:46	50.990	52.050	20.300	21.980	21.190	98.906%		
3	02:31:28	51.950	52.590	20.380	21.900	21.260	99.013%		
x		51.470	52.160	20.170	21.940	21.180	98.454%		
σ		0.479	0.393	0.296	0.041	0.085	0.877%		
%RSD		0.931	0.754	1.469	0.186	0.402	0.891		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:34:22	99.978%	1.651	22.490	21.010	0.000	7761.000	178600.000	169400.000
2	02:35:05	101.741%	1.324	20.750	19.260	0.000	7677.000	176400.000	167200.000
3	02:35:48	98.664%	1.478	18.550	17.580	0.000	7851.000	178600.000	170000.000
x		100.127%	1.484	20.600	19.280	0.000	7763.000	177900.000	168900.000
σ		1.544%	0.163	1.973	1.713	0.000	86.890	1280.000	1490.000
%RSD		1.542	11.010	9.580	8.885	0.000	1.119	0.720	0.883

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:34:22	7224.000	6251.000	0.000	30110.000	361400.000	387300.000	89.106%	0.837
2	02:35:05	7183.000	6065.000	0.000	30470.000	365800.000	387000.000	88.497%	1.067
3	02:35:48	7362.000	6270.000	0.000	31090.000	374000.000	397900.000	86.136%	0.938
x		7256.000	6195.000	0.000	30560.000	367100.000	390700.000	87.913%	0.947
σ		93.560	113.000	0.000	496.400	6367.000	6183.000	1.569%	0.115
%RSD		1.289	1.824	0.000	1.625	1.735	1.582	1.784	12.160

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:34:22	1.399	2.759	22570.000	56240.000	56490.000	319.000	47.990	231.500
2	02:35:05	0.626	2.778	22770.000	56360.000	56530.000	320.500	47.940	229.600
3	02:35:48	0.596	2.732	23350.000	57600.000	58480.000	325.000	48.140	234.100
x		0.874	2.756	22900.000	56730.000	57170.000	321.500	48.020	231.800
σ		0.455	0.023	405.800	754.900	1140.000	3.114	0.105	2.293
%RSD		52.050	0.836	1.772	1.331	1.994	0.969	0.219	0.990

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:34:22	233.700	9631.000	9749.000	1.930	2.313	11.290	0.000	1687.000
2	02:35:05	233.100	9650.000	9770.000	1.219	2.868	10.960	0.000	1675.000
3	02:35:48	238.300	9776.000	9957.000	1.452	1.869	11.880	0.000	1680.000
x		235.100	9686.000	9826.000	1.533	2.350	11.380	0.000	1680.000
σ		2.870	79.150	114.700	0.363	0.500	0.466	0.000	6.130
%RSD		1.221	0.817	1.168	23.650	21.290	4.093	0.000	0.365

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:34:22	0.000	0.174	0.156	89.659%	0.015	-0.007	10.940	9.782
2	02:35:05	0.000	0.206	0.149	89.874%	0.013	-0.004	10.320	9.556
3	02:35:48	0.000	0.186	0.203	89.580%	0.005	-0.002	10.880	10.060
x		0.000	0.189	0.169	89.704%	0.011	-0.004	10.710	9.801
σ		0.000	0.016	0.029	0.152%	0.005	0.003	0.340	0.254
%RSD		0.000	8.660	17.370	0.169	49.060	57.650	3.175	2.594

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:34:22	96.284%	0.781	0.070	0.164	19.220	20.890	0.000	0.000
2	02:35:05	97.339%	0.829	0.097	0.169	20.720	20.670	0.000	0.000
3	02:35:48	96.874%	0.708	0.073	0.163	21.000	20.840	0.000	0.000
x		96.832%	0.773	0.080	0.166	20.310	20.800	0.000	0.000
σ		0.529%	0.061	0.014	0.003	0.961	0.112	0.000	0.000
%RSD		0.546	7.844	18.060	2.019	4.729	0.538	0.000	0.000

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:34:22	0.709	0.725	3.699	3.948	3.792	97.709%
2	02:35:05	0.578	0.586	3.799	3.989	3.766	99.493%
3	02:35:48	0.503	0.513	3.882	3.813	3.778	100.013%
x		0.597	0.608	3.794	3.917	3.779	99.072%
σ		0.104	0.107	0.092	0.092	0.013	1.209%
%RSD		17.480	17.640	2.414	2.346	0.342	1.220

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:38:41	113.035%	0.167	7.087	7.119	0.000	688.900	16990.000	16570.000
2	02:39:24	112.479%	0.137	6.448	6.824	0.000	693.900	17140.000	16470.000
3	02:40:08	110.342%	0.209	7.948	6.753	0.000	709.900	17370.000	16820.000
x		111.952%	0.171	7.161	6.899	0.000	697.600	17170.000	16620.000
σ		1.422%	0.036	0.753	0.194	0.000	10.970	190.500	178.800
%RSD		1.270	21.200	10.510	2.816	0.000	1.573	1.109	1.076

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:38:41	729.700	657.300	0.000	2980.000	36300.000	35970.000	98.452%	-0.208
2	02:39:24	724.500	641.300	0.000	2957.000	36480.000	36200.000	98.184%	-0.307
3	02:40:08	738.100	653.300	0.000	2993.000	35860.000	36270.000	97.353%	-0.356
x		730.800	650.600	0.000	2977.000	36210.000	36150.000	97.996%	-0.290
σ		6.826	8.303	0.000	18.190	320.700	154.500	0.573%	0.075
%RSD		0.934	1.276	0.000	0.611	0.885	0.427	0.585	25.940

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:38:41	0.563	0.406	2250.000	5601.000	5632.000	31.520	4.842	22.840
2	02:39:24	0.032	0.394	2234.000	5543.000	5596.000	30.760	4.547	23.320
3	02:40:08	0.363	0.402	2247.000	5610.000	5657.000	31.800	4.597	22.890
x		0.320	0.401	2244.000	5585.000	5628.000	31.360	4.662	23.020
σ		0.268	0.006	8.598	36.440	30.850	0.537	0.158	0.264
%RSD		83.930	1.556	0.383	0.652	0.548	1.714	3.387	1.145

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:38:41	23.490	970.800	978.700	0.470	0.706	1.721	0.000	160.900
2	02:39:24	24.370	975.100	982.900	0.581	0.444	2.132	0.000	161.300
3	02:40:08	24.060	977.100	988.300	0.300	0.560	1.262	0.000	161.400
x		23.970	974.400	983.300	0.450	0.570	1.705	0.000	161.200
σ		0.450	3.198	4.798	0.141	0.131	0.436	0.000	0.278
%RSD		1.878	0.328	0.488	31.320	22.990	25.550	0.000	0.172

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:38:41	0.000	0.024	0.038	100.375%	0.001	-0.000	1.152	0.983
2	02:39:24	0.000	0.015	0.068	100.303%	-0.008	-0.005	0.946	0.931
3	02:40:08	0.000	0.039	0.067	100.523%	-0.006	0.004	1.026	0.904
x		0.000	0.026	0.058	100.400%	-0.004	-0.000	1.042	0.940
σ		0.000	0.012	0.017	0.112%	0.005	0.005	0.104	0.040
%RSD		0.000	47.240	29.490	0.111	112.800	1372.000	9.981	4.270

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:38:41	104.281%	-0.191	-0.010	0.002	1.854	2.126	0.000	0.000
2	02:39:24	105.225%	-0.149	-0.022	-0.014	2.165	1.699	0.000	0.000
3	02:40:08	103.979%	-0.193	-0.002	0.026	2.073	1.906	0.000	0.000
x		104.495%	-0.177	-0.011	0.004	2.031	1.910	0.000	0.000
σ		0.650%	0.025	0.011	0.021	0.160	0.214	0.000	0.000
%RSD		0.622	13.960	92.050	456.900	7.862	11.170	0.000	0.000

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	02:38:41	0.158	0.164	0.294	0.414	0.352	100.630%
2	02:39:24	0.149	0.164	0.357	0.374	0.361	101.918%
3	02:40:08	0.157	0.162	0.340	0.315	0.327	103.065%
x		0.155	0.163	0.330	0.368	0.347	101.871%
σ		0.005	0.001	0.033	0.050	0.018	1.218%
%RSD		3.222	0.793	9.876	13.620	5.154	1.196

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:43:02	114.400%	1.124	29.180	28.350	0.000	23830.000	85950.000	82460.000
2	02:43:45	111.580%	1.138	28.410	28.460	0.000	24370.000	87140.000	83440.000
3	02:44:28	109.054%	0.906	28.330	28.010	0.000	24750.000	88860.000	84840.000
x		111.678%	1.056	28.640	28.270	0.000	24320.000	87320.000	83580.000
σ		2.674%	0.130	0.469	0.238	0.000	462.400	1459.000	1200.000
%RSD		2.395	12.340	1.639	0.841	0.000	1.902	1.671	1.436
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:43:02	1960.000	9553.000	0.000	14060.000	212300.000	224500.000	99.407%	1.467
2	02:43:45	1990.000	9571.000	0.000	14100.000	213800.000	228300.000	97.010%	2.018
3	02:44:28	2002.000	9545.000	0.000	14240.000	214800.000	229500.000	96.190%	1.503
x		1984.000	9557.000	0.000	14130.000	213600.000	227400.000	97.536%	1.663
σ		21.480	13.280	0.000	93.610	1238.000	2607.000	1.672%	0.308
%RSD		1.082	0.139	0.000	0.662	0.579	1.146	1.714	18.530
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:43:02	0.864	3.008	24990.000	103600.000	104900.000	601.800	69.870	248.600
2	02:43:45	0.948	2.707	25500.000	107000.000	107100.000	610.200	70.630	251.600
3	02:44:28	1.178	2.578	25550.000	107100.000	108000.000	615.300	69.010	252.400
x		0.997	2.764	25350.000	105900.000	106700.000	609.100	69.830	250.900
σ		0.163	0.221	308.200	1976.000	1616.000	6.806	0.810	1.989
%RSD		16.330	7.993	1.216	1.865	1.516	1.117	1.160	0.793
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:43:02	254.100	22020.000	22430.000	0.240	2.969	9.163	0.000	745.400
2	02:43:45	258.000	22370.000	22900.000	2.498	2.183	9.355	0.000	747.900
3	02:44:28	257.300	22610.000	22910.000	0.025	2.220	8.206	0.000	744.100
x		256.500	22330.000	22740.000	0.921	2.457	8.908	0.000	745.800
σ		2.118	299.100	274.800	1.370	0.443	0.616	0.000	1.963
%RSD		0.826	1.339	1.208	148.700	18.040	6.911	0.000	0.263
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:43:02	0.000	0.116	0.145	95.119%	0.001	0.002	8.534	7.865
2	02:43:45	0.000	0.152	0.179	95.502%	0.002	0.004	8.274	8.047
3	02:44:28	0.000	0.095	0.123	95.978%	0.004	-0.003	8.083	7.856
x		0.000	0.121	0.149	95.533%	0.002	0.001	8.297	7.923
σ		0.000	0.029	0.028	0.430%	0.001	0.003	0.226	0.108
%RSD		0.000	23.670	19.010	0.450	73.080	379.400	2.729	1.362
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:43:02	100.647%	0.574	0.084	0.110	23.070	24.000	0.000	0.000
2	02:43:45	99.987%	0.602	0.061	0.115	23.000	24.060	0.000	0.000
3	02:44:28	100.888%	0.558	0.058	0.088	22.750	23.070	0.000	0.000
x		100.507%	0.578	0.068	0.105	22.940	23.710	0.000	0.000
σ		0.467%	0.022	0.014	0.014	0.167	0.557	0.000	0.000
%RSD		0.464	3.873	20.640	13.630	0.730	2.349	0.000	0.000
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	02:43:02	0.283	0.330	1.266	1.134	1.164	98.294%		
2	02:43:45	0.261	0.268	1.130	1.196	1.154	99.928%		
3	02:44:28	0.300	0.268	1.217	1.152	1.179	101.453%		
x		0.281	0.289	1.204	1.161	1.166	99.891%		
σ		0.019	0.035	0.069	0.032	0.013	1.580%		
%RSD		6.913	12.260	5.721	2.738	1.102	1.582		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:47:22	120.264%	0.113	5.958	5.456	0.000	2326.000	8357.000	8154.000
2	02:48:05	117.984%	0.180	6.222	5.733	0.000	2355.000	8528.000	8319.000
3	02:48:48	120.156%	0.071	6.000	5.260	0.000	2367.000	8519.000	8273.000
x		119.468%	0.122	6.060	5.483	0.000	2349.000	8468.000	8249.000
σ		1.286%	0.055	0.142	0.238	0.000	21.200	96.300	85.090
%RSD		1.077	45.420	2.343	4.339	0.000	0.902	1.137	1.031
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:47:22	197.200	984.500	0.000	1379.000	21730.000	21370.000	105.448%	-0.342
2	02:48:05	202.800	1016.000	0.000	1400.000	20790.000	21370.000	105.032%	-0.225
3	02:48:48	200.000	995.600	0.000	1403.000	21440.000	21560.000	105.434%	-0.203
x		200.000	998.900	0.000	1394.000	21320.000	21430.000	105.304%	-0.257
σ		2.766	16.200	0.000	13.060	476.900	109.300	0.236%	0.075
%RSD		1.383	1.622	0.000	0.937	2.237	0.510	0.224	29.150
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:47:22	0.469	0.280	2527.000	10520.000	10490.000	61.570	7.135	25.540
2	02:48:05	0.027	0.298	2530.000	10550.000	10480.000	61.280	6.948	25.460
3	02:48:48	0.417	0.203	2535.000	10610.000	10470.000	60.780	7.205	25.260
x		0.304	0.260	2531.000	10560.000	10480.000	61.210	7.096	25.420
σ		0.241	0.051	4.090	46.660	12.370	0.403	0.133	0.144
%RSD		79.330	19.450	0.162	0.442	0.118	0.658	1.874	0.566
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:47:22	26.900	2339.000	2361.000	0.206	-0.021	1.388	0.000	71.860
2	02:48:05	27.040	2341.000	2363.000	-0.314	0.441	0.591	0.000	72.860
3	02:48:48	26.380	2340.000	2364.000	0.427	-0.176	1.205	0.000	72.320
x		26.770	2340.000	2363.000	0.106	0.082	1.061	0.000	72.350
σ		0.346	0.980	1.740	0.381	0.321	0.417	0.000	0.500
%RSD		1.293	0.042	0.074	358.100	393.700	39.330	0.000	0.690
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:47:22	0.000	0.009	0.052	106.062%	-0.004	-0.010	0.735	0.773
2	02:48:05	0.000	0.032	0.004	106.420%	-0.001	-0.007	0.865	0.784
3	02:48:48	0.000	0.008	0.023	106.811%	-0.003	-0.001	0.580	0.658
x		0.000	0.016	0.026	106.431%	-0.003	-0.006	0.727	0.738
σ		0.000	0.013	0.024	0.375%	0.001	0.004	0.143	0.070
%RSD		0.000	82.060	90.460	0.352	53.970	73.600	19.630	9.444
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:47:22	108.857%	-0.072	-0.013	-0.009	2.084	2.413	0.000	0.000
2	02:48:05	109.523%	-0.053	-0.005	-0.009	2.433	2.418	0.000	0.000
3	02:48:48	109.822%	-0.019	-0.026	-0.009	2.536	2.319	0.000	0.000
x		109.401%	-0.048	-0.015	-0.009	2.351	2.383	0.000	0.000
σ		0.494%	0.027	0.011	0.000	0.237	0.056	0.000	0.000
%RSD		0.451	55.410	72.670	1.513	10.070	2.343	0.000	0.000
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	02:47:22	0.065	0.065	0.074	0.059	0.076	104.777%		
2	02:48:05	0.063	0.064	0.104	0.087	0.089	105.740%		
3	02:48:48	0.053	0.067	0.091	0.084	0.088	106.363%		
x		0.060	0.065	0.089	0.077	0.084	105.627%		
σ		0.006	0.002	0.015	0.015	0.007	0.799%		
%RSD		10.120	2.518	16.780	19.800	8.117	0.756		

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:51:42	115.557%	0.245	6.462	6.228	0.000	3763.000	16050.000	15490.000
2	02:52:25	112.965%	0.266	6.154	5.956	0.000	3819.000	16540.000	15680.000
3	02:53:08	109.879%	0.406	5.719	6.438	0.000	3872.000	16510.000	15770.000
x		112.801%	0.306	6.112	6.207	0.000	3818.000	16370.000	15650.000
σ		2.842%	0.088	0.373	0.241	0.000	54.510	271.900	145.500
%RSD		2.520	28.650	6.108	3.887	0.000	1.428	1.662	0.930
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:51:42	88.130	4100.000	0.000	4933.000	77630.000	78860.000	95.597%	1.004
2	02:52:25	89.510	4100.000	0.000	5010.000	79880.000	80570.000	92.297%	0.843
3	02:53:08	90.940	4048.000	0.000	5015.000	79350.000	80440.000	90.712%	0.327
x		89.530	4083.000	0.000	4986.000	78950.000	79960.000	92.869%	0.724
σ		1.406	29.880	0.000	45.930	1175.000	951.500	2.492%	0.354
%RSD		1.571	0.732	0.000	0.921	1.489	1.190	2.683	48.810
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:51:42	-1.091	3.119	1692.000	91.840	537.200	25.030	6.216	47.030
2	02:52:25	-0.675	3.037	1711.000	68.310	501.700	25.950	6.359	48.230
3	02:53:08	-0.839	2.990	1740.000	61.090	475.200	26.050	7.373	48.810
x		-0.869	3.049	1714.000	73.750	504.700	25.680	6.650	48.020
σ		0.209	0.066	24.080	16.080	31.140	0.560	0.631	0.906
%RSD		24.130	2.151	1.405	21.810	6.171	2.183	9.486	1.886
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:51:42	48.640	338.100	343.100	1.160	0.914	5.505	0.000	181.500
2	02:52:25	48.490	343.900	348.200	0.557	0.819	4.785	0.000	182.900
3	02:53:08	48.140	351.100	350.900	0.386	0.373	4.749	0.000	183.500
x		48.420	344.400	347.400	0.701	0.702	5.013	0.000	182.600
σ		0.258	6.534	3.915	0.406	0.289	0.427	0.000	1.041
%RSD		0.532	1.897	1.127	57.950	41.110	8.511	0.000	0.570
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:51:42	0.000	0.111	0.136	95.696%	-0.001	-0.008	2.135	1.792
2	02:52:25	0.000	0.111	0.123	96.269%	-0.007	-0.004	2.233	1.744
3	02:53:08	0.000	0.046	0.099	95.625%	-0.006	0.007	2.417	1.748
x		0.000	0.089	0.119	95.863%	-0.005	-0.002	2.261	1.761
σ		0.000	0.038	0.018	0.353%	0.003	0.007	0.143	0.027
%RSD		0.000	42.170	15.350	0.368	69.450	403.900	6.332	1.509
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:51:42	99.669%	0.454	0.052	0.078	25.770	26.250	0.000	0.000
2	02:52:25	100.775%	0.569	0.049	0.093	25.300	25.650	0.000	0.000
3	02:53:08	101.959%	0.602	0.054	0.062	25.200	26.210	0.000	0.000
x		100.801%	0.542	0.052	0.078	25.420	26.030	0.000	0.000
σ		1.145%	0.078	0.002	0.016	0.307	0.334	0.000	0.000
%RSD		1.136	14.330	4.182	20.130	1.206	1.284	0.000	0.000
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	02:51:42	0.286	0.248	0.115	0.120	0.114	101.790%		
2	02:52:25	0.277	0.270	0.133	0.139	0.133	102.997%		
3	02:53:08	0.251	0.291	0.140	0.127	0.135	103.876%		
x		0.272	0.270	0.129	0.128	0.127	102.888%		
σ		0.018	0.022	0.013	0.010	0.011	1.047%		
%RSD		6.727	8.046	10.000	7.454	8.910	1.018		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:56:04	112.147%	0.047	5.933	4.958	0.000	3650.000	16320.000	15750.000
2	02:56:47	109.688%	0.033	4.855	5.077	0.000	3726.000	16620.000	15860.000
3	02:57:30	110.112%	0.048	5.477	5.478	0.000	3754.000	16970.000	16120.000
x		110.649%	0.042	5.421	5.171	0.000	3710.000	16640.000	15910.000
σ		1.314%	0.009	0.541	0.273	0.000	53.710	324.900	191.700
%RSD		1.188	20.050	9.983	5.272	0.000	1.448	1.953	1.205
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:56:04	3.633	3624.000	0.000	4796.000	82630.000	83960.000	95.107%	0.620
2	02:56:47	3.705	3653.000	0.000	4920.000	85440.000	85280.000	92.593%	0.411
3	02:57:30	3.632	3613.000	0.000	4904.000	84990.000	85250.000	94.114%	0.811
x		3.657	3630.000	0.000	4873.000	84350.000	84830.000	93.938%	0.614
σ		0.042	20.450	0.000	67.540	1510.000	753.200	1.266%	0.200
%RSD		1.143	0.563	0.000	1.386	1.790	0.888	1.348	32.530
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:56:04	0.638	3.238	254.800	13.450	437.500	1.998	1.213	0.603
2	02:56:47	-0.997	3.151	262.100	13.420	442.100	2.117	1.287	0.646
3	02:57:30	-0.515	3.068	260.100	12.890	424.700	2.023	1.266	0.590
x		-0.292	3.152	259.000	13.250	434.800	2.046	1.255	0.613
σ		0.840	0.085	3.810	0.313	8.990	0.063	0.038	0.029
%RSD		288.100	2.689	1.471	2.363	2.068	3.071	3.054	4.774
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:56:04	1.086	74.820	76.690	-1.114	-1.201	-0.299	0.000	168.700
2	02:56:47	1.063	76.590	76.570	-0.265	-1.629	-0.138	0.000	168.900
3	02:57:30	1.327	78.620	75.930	-0.548	-1.754	-0.163	0.000	169.700
x		1.159	76.670	76.400	-0.642	-1.528	-0.200	0.000	169.100
σ		0.146	1.902	0.409	0.433	0.290	0.087	0.000	0.527
%RSD		12.620	2.480	0.535	67.350	18.970	43.460	0.000	0.311
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:56:04	107.356%	0.065	0.062	96.694%	-0.004	-0.009	0.022	0.027
2	02:56:47	108.491%	0.035	0.101	97.422%	-0.003	-0.008	-0.125	-0.037
3	02:57:30	109.349%	0.058	0.109	97.727%	0.000	-0.002	-0.001	0.011
x		108.399%	0.052	0.091	97.281%	-0.002	-0.006	-0.034	0.000
σ		1.000%	0.016	0.026	0.531%	0.002	0.004	0.079	0.034
%RSD		0.922	29.730	28.170	0.546	95.350	65.810	229.900	22860.000
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:56:04	101.219%	0.379	0.054	0.066	33.640	32.050	106.353%	106.779%
2	02:56:47	101.640%	0.432	0.064	0.081	32.110	33.040	109.141%	108.381%
3	02:57:30	102.893%	0.428	0.042	0.062	32.710	33.710	108.724%	109.386%
x		101.917%	0.413	0.053	0.070	32.820	32.930	108.073%	108.182%
σ		0.871%	0.029	0.011	0.010	0.772	0.832	1.504%	1.315%
%RSD		0.854	7.137	20.580	14.390	2.352	2.526	1.391	1.215
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	02:56:04	0.048	0.046	0.632	0.650	0.661	103.644%		
2	02:56:47	0.016	0.040	0.563	0.666	0.616	105.328%		
3	02:57:30	0.043	0.037	0.613	0.670	0.631	106.084%		
x		0.036	0.041	0.603	0.662	0.636	105.019%		
σ		0.017	0.005	0.035	0.010	0.023	1.249%		
%RSD		47.900	11.040	5.862	1.575	3.617	1.189		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:00:23	111.603%	4.294	7.905	6.702	0.000	2811.000	18700.000	17910.000
2	03:01:06	108.578%	4.592	7.470	7.741	0.000	2839.000	18850.000	18060.000
3	03:01:49	109.269%	4.691	7.263	6.789	0.000	2820.000	18610.000	17740.000
x		109.816%	4.526	7.546	7.077	0.000	2823.000	18720.000	17900.000
σ		1.585%	0.206	0.328	0.577	0.000	14.440	118.800	159.600
%RSD		1.443	4.562	4.343	8.147	0.000	0.512	0.635	0.892
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:00:23	16370.000	9601.000	0.000	5389.000	64610.000	66340.000	93.378%	1.196
2	03:01:06	16370.000	9581.000	0.000	5456.000	65160.000	67960.000	91.607%	1.494
3	03:01:49	16010.000	9471.000	0.000	5483.000	66120.000	67820.000	91.439%	1.230
x		16250.000	9551.000	0.000	5443.000	65290.000	67380.000	92.141%	1.307
σ		206.800	70.200	0.000	48.310	762.300	897.900	1.074%	0.163
%RSD		1.272	0.735	0.000	0.888	1.167	1.333	1.166	12.480
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:00:23	0.326	3.482	5173.000	443.900	797.300	121.200	45.390	3956.000
2	03:01:06	1.538	3.401	5267.000	454.200	787.900	120.700	45.140	3977.000
3	03:01:49	-0.238	3.366	5252.000	452.900	753.900	120.100	44.600	3971.000
x		0.542	3.416	5231.000	450.400	779.700	120.600	45.040	3968.000
σ		0.907	0.060	50.390	5.616	22.820	0.530	0.401	10.890
%RSD		167.300	1.746	0.963	1.247	2.926	0.440	0.891	0.274
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:00:23	4023.000	10080.000	10190.000	0.601	0.205	4.810	0.000	198.200
2	03:01:06	4022.000	10260.000	10390.000	0.430	0.642	5.223	0.000	200.400
3	03:01:49	4062.000	10250.000	10340.000	1.219	-0.034	4.754	0.000	199.600
x		4036.000	10200.000	10310.000	0.750	0.271	4.929	0.000	199.400
σ		23.180	101.500	100.900	0.415	0.343	0.256	0.000	1.113
%RSD		0.575	0.995	0.979	55.350	126.400	5.200	0.000	0.558
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:00:23	0.000	0.084	0.146	93.845%	0.015	0.004	16.090	15.550
2	03:01:06	0.000	0.084	0.124	94.160%	0.012	0.002	15.540	15.520
3	03:01:49	0.000	0.042	0.130	94.215%	0.015	-0.001	15.350	14.840
x		0.000	0.070	0.133	94.073%	0.014	0.002	15.660	15.300
σ		0.000	0.024	0.012	0.200%	0.002	0.002	0.383	0.403
%RSD		0.000	34.400	8.636	0.212	13.260	149.300	2.447	2.636
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:00:23	98.932%	0.443	0.038	0.067	19.030	20.060	0.000	0.000
2	03:01:06	99.108%	0.523	0.051	0.039	19.400	20.200	0.000	0.000
3	03:01:49	99.136%	0.376	0.027	0.053	20.170	19.420	0.000	0.000
x		99.058%	0.447	0.039	0.053	19.540	19.890	0.000	0.000
σ		0.111%	0.073	0.012	0.014	0.583	0.413	0.000	0.000
%RSD		0.112	16.360	30.300	27.060	2.986	2.075	0.000	0.000
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:00:23	0.705	0.628	4.383	3.898	4.183	100.293%		
2	03:01:06	0.585	0.623	4.319	3.955	4.214	102.535%		
3	03:01:49	0.605	0.660	4.241	4.049	4.197	102.683%		
x		0.631	0.637	4.314	3.967	4.198	101.837%		
σ		0.064	0.020	0.071	0.076	0.016	1.339%		
%RSD		10.170	3.170	1.640	1.921	0.370	1.315		

CCV1-7 11/24/2010 3:06:53 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:36	106.910%	95.270	88.890	90.470	0.000	46880.000	54190.000	52900.000
2	03:08:19	104.766%	97.560	90.350	90.810	0.000	47520.000	55190.000	54180.000
3	03:09:02	107.706%	94.470	91.730	89.760	0.000	47160.000	55270.000	54100.000
x		106.461%	95.768%	90.324%	90.347%	0.000	94.367%	109.768%	107.453%
σ		1.521%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		1.428	1.677	1.575	0.596	0.000	0.684	1.098	1.339
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:36	523.200	4900.000	0.000	48100.000	48200.000	47270.000	102.315%	95.140
2	03:08:19	531.600	4952.000	0.000	48520.000	47620.000	47720.000	102.287%	96.770
3	03:09:02	533.000	4997.000	0.000	49020.000	48260.000	48540.000	101.634%	94.050
x		105.857%	98.994%	0.000	97.091%	96.059%	95.686%	102.079%	95.321%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.385%	n/a
%RSD		1.006	0.982	0.000	0.941	0.740	1.355	0.378	1.433
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:36	94.510	93.220	475.700	23580.000	23390.000	94.390	95.570	96.970
2	03:08:19	94.580	94.550	478.900	23960.000	23930.000	95.770	96.930	96.450
3	03:09:02	95.280	95.130	484.900	24220.000	24030.000	97.010	98.140	97.820
x		94.789%	94.300%	95.966%	95.682%	95.137%	95.720%	96.878%	97.081%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.451	1.036	0.969	1.363	1.457	1.371	1.326	0.712
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:36	95.570	100.100	100.700	97.270	96.840	100.700	0.000	97.450
2	03:08:19	98.010	99.380	98.220	100.500	98.810	100.400	0.000	98.210
3	03:09:02	98.230	102.500	101.900	101.700	100.800	102.200	0.000	99.780
x		97.270%	100.676%	100.264%	99.806%	98.827%	101.119%	0.000	98.478%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.515	1.629	1.853	2.279	2.018	0.956	0.000	1.204
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:36	100.698%	86.430	87.040	96.023%	97.200	97.290	98.280	99.460
2	03:08:19	101.923%	92.570	93.870	96.885%	97.990	98.100	96.070	98.740
3	03:09:02	101.643%	97.230	97.990	97.748%	97.960	97.550	99.740	99.410
x		101.421%	92.076%	92.968%	96.885%	97.716%	97.647%	98.031%	99.205%
σ		0.642%	n/a	n/a	0.863%	n/a	n/a	n/a	n/a
%RSD		0.633	5.882	5.952	0.890	0.459	0.424	1.883	0.403
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:07:36	99.935%	95.600	96.470	97.600	96.000	97.500	102.179%	103.296%
2	03:08:19	100.940%	97.300	97.640	98.080	97.420	98.020	104.705%	104.466%
3	03:09:02	101.549%	97.450	99.090	99.640	96.780	99.490	105.443%	104.645%
x		100.808%	96.785%	97.733%	98.440%	96.732%	98.337%	104.109%	104.136%
σ		0.815%	n/a	n/a	n/a	n/a	n/a	1.711%	0.732%
%RSD		0.808	1.063	1.341	1.082	0.734	1.047	1.644	0.703
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:07:36	101.600	101.400	102.200	102.800	103.200	101.141%		
2	03:08:19	102.400	102.700	103.900	102.600	103.500	101.339%		
3	03:09:02	102.300	103.300	103.900	103.800	104.100	101.085%		
x		102.115%	102.474%	103.319%	103.054%	103.584%	101.188%		
σ		n/a	n/a	n/a	n/a	n/a	0.133%		
%RSD		0.446	0.966	0.969	0.613	0.438	0.132		

CCB7 11/24/2010 3:14:09 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:14:52	117.371%	0.008	2.165	1.846	0.000	-49.470	6.168	5.314
2	03:15:35	118.350%	0.008	1.879	1.543	0.000	-47.470	9.124	9.475
3	03:16:18	117.095%	0.000	1.752	1.622	0.000	-48.810	6.494	6.316
x		117.605%	0.005	1.932	1.670	0.000	-48.580	7.262	7.035
σ		0.659%	0.004	0.211	0.157	0.000	1.022	1.621	2.172
%RSD		0.561	78.550	10.950	9.419	0.000	2.103	22.320	30.870
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:14:52	-0.273	-0.926	0.000	5.363	16.090	-2.388	102.235%	-0.314
2	03:15:35	-0.007	-0.586	0.000	5.846	-1.952	-1.484	102.857%	-0.362
3	03:16:18	-0.180	-0.810	0.000	3.633	11.000	-0.396	101.941%	-0.385
x		-0.153	-0.774	0.000	4.947	8.378	-1.422	102.344%	-0.354
σ		0.135	0.173	0.000	1.164	9.301	0.998	0.468%	0.036
%RSD		87.850	22.350	0.000	23.530	111.000	70.140	0.457	10.310
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:14:52	-0.046	0.054	0.090	3.433	1.572	0.009	-0.075	-0.241
2	03:15:35	0.413	0.035	0.161	4.003	-1.983	0.006	-0.087	-0.241
3	03:16:18	0.063	0.025	0.180	2.694	-5.013	0.006	-0.062	-0.251
x		0.143	0.038	0.144	3.376	-1.808	0.007	-0.075	-0.245
σ		0.240	0.015	0.047	0.656	3.296	0.002	0.012	0.006
%RSD		167.600	38.780	33.020	19.440	182.300	23.530	16.580	2.335
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:14:52	-0.098	-0.527	-0.327	-0.281	0.344	-0.170	0.000	0.005
2	03:15:35	-0.088	-0.307	-0.264	0.037	0.442	0.387	0.000	0.021
3	03:16:18	-0.093	-0.413	-0.506	0.029	0.163	-0.242	0.000	0.009
x		-0.093	-0.416	-0.366	-0.072	0.317	-0.008	0.000	0.012
σ		0.005	0.110	0.126	0.181	0.141	0.344	0.000	0.008
%RSD		5.477	26.410	34.440	252.600	44.680	4102.000	0.000	71.750
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:14:52	106.100%	0.953	0.951	103.779%	0.005	0.007	-0.106	-0.052
2	03:15:35	105.742%	0.878	0.827	104.386%	0.011	0.005	-0.007	0.016
3	03:16:18	106.718%	0.687	0.774	104.845%	0.012	0.011	-0.101	-0.058
x		106.187%	0.840	0.851	104.337%	0.009	0.008	-0.071	-0.031
σ		0.494%	0.137	0.091	0.534%	0.004	0.003	0.056	0.041
%RSD		0.465	16.360	10.660	0.512	40.200	40.260	78.320	131.400
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:14:52	106.528%	-0.166	0.213	0.235	-0.008	-0.007	107.971%	106.307%
2	03:15:35	107.045%	-0.177	0.217	0.235	-0.055	-0.002	108.257%	107.896%
3	03:16:18	106.565%	-0.136	0.211	0.267	-0.036	-0.013	108.664%	107.619%
x		106.713%	-0.160	0.213	0.246	-0.033	-0.007	108.297%	107.274%
σ		0.288%	0.021	0.003	0.018	0.024	0.005	0.348%	0.849%
%RSD		0.270	13.440	1.395	7.496	72.680	73.740	0.322	0.791
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:14:52	0.013	0.020	0.010	-0.020	-0.011	101.781%		
2	03:15:35	0.016	0.031	0.003	0.006	0.002	103.334%		
3	03:16:18	0.013	0.022	0.000	-0.026	-0.007	103.836%		
x		0.014	0.024	0.005	-0.013	-0.005	102.984%		
σ		0.002	0.006	0.005	0.017	0.006	1.072%		
%RSD		11.680	24.840	108.000	124.900	118.300	1.041		

L9TL8F 11/24/2010 3:18:29 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:19:12	111.717%	4.211	52.000	51.720	0.000	2785.000	23400.000	23250.000
2	03:19:55	111.262%	4.223	51.210	52.540	0.000	2782.000	24140.000	23330.000
3	03:20:38	107.898%	4.424	54.370	51.160	0.000	2848.000	23910.000	23340.000
x		110.292%	4.286	52.530	51.810	0.000	2805.000	23820.000	23310.000
σ		2.086%	0.120	1.643	0.691	0.000	37.160	376.900	47.280
%RSD		1.891	2.798	3.128	1.335	0.000	1.325	1.583	0.203

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:19:12	15140.000	11180.000	0.000	6107.000	94910.000	102100.000	96.019%	1.125
2	03:19:55	15120.000	11100.000	0.000	6172.000	94400.000	96930.000	94.907%	1.557
3	03:20:38	14740.000	10760.000	0.000	6140.000	94860.000	96560.000	92.513%	1.238
x		15000.000	11010.000	0.000	6140.000	94720.000	98520.000	94.480%	1.307
σ		226.800	221.900	0.000	32.320	280.900	3087.000	1.792%	0.224
%RSD		1.512	2.015	0.000	0.526	0.297	3.134	1.897	17.130

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:19:12	0.633	3.300	9500.000	170.900	705.300	255.400	81.340	3766.000
2	03:19:55	1.871	3.089	9452.000	157.300	658.600	255.300	81.480	3758.000
3	03:20:38	1.126	3.147	9531.000	155.000	629.700	260.000	82.570	3776.000
x		1.210	3.179	9494.000	161.000	664.500	256.900	81.800	3766.000
σ		0.624	0.109	39.700	8.599	38.170	2.717	0.674	9.008
%RSD		51.530	3.423	0.418	5.340	5.743	1.058	0.824	0.239

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:19:12	3831.000	37220.000	37590.000	-0.136	2.643	6.813	0.000	250.200
2	03:19:55	3817.000	37670.000	38080.000	1.449	1.941	7.878	0.000	252.300
3	03:20:38	3867.000	38110.000	38590.000	0.144	1.361	5.949	0.000	251.900
x		3838.000	37670.000	38090.000	0.485	1.982	6.880	0.000	251.500
σ		25.960	447.800	496.700	0.846	0.642	0.967	0.000	1.096
%RSD		0.676	1.189	1.304	174.200	32.380	14.050	0.000	0.436

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:19:12	0.000	1.593	1.529	94.529%	0.007	0.005	37.230	36.340
2	03:19:55	0.000	0.869	0.916	93.800%	0.009	0.014	37.650	37.640
3	03:20:38	0.000	0.687	0.599	93.446%	-0.002	-0.003	37.400	37.420
x		0.000	1.050	1.015	93.925%	0.004	0.005	37.430	37.130
σ		0.000	0.479	0.472	0.552%	0.006	0.008	0.208	0.699
%RSD		0.000	45.680	46.580	0.588	132.400	147.000	0.556	1.882

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:19:12	99.061%	1.472	0.850	1.005	19.820	19.790	0.000	0.000
2	03:19:55	98.565%	1.184	0.611	0.554	19.990	20.750	0.000	0.000
3	03:20:38	97.952%	0.846	0.397	0.360	19.870	20.300	0.000	0.000
x		98.526%	1.168	0.620	0.640	19.890	20.280	0.000	0.000
σ		0.556%	0.313	0.226	0.331	0.086	0.483	0.000	0.000
%RSD		0.564	26.830	36.530	51.680	0.433	2.383	0.000	0.000

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:19:12	1.344	1.378	3.694	3.563	3.565	99.781%
2	03:19:55	1.439	1.364	3.883	3.381	3.574	101.327%
3	03:20:38	1.399	1.378	3.623	3.352	3.526	101.830%
x		1.394	1.373	3.733	3.432	3.555	100.979%
σ		0.048	0.008	0.134	0.115	0.025	1.067%
%RSD		3.450	0.580	3.600	3.339	0.715	1.057

L9W00F 11/24/2010 3:22:48 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:23:31	107.202%	-0.014	231.800	221.400	0.000	56620.000	14690.000	14210.000
2	03:24:15	105.468%	0.010	230.100	224.500	0.000	57280.000	14650.000	13980.000
3	03:24:57	104.630%	0.035	225.100	217.100	0.000	56300.000	14390.000	13800.000
x		105.767%	0.010	229.000	221.000	0.000	56730.000	14580.000	13990.000
σ		1.312%	0.024	3.497	3.738	0.000	501.900	161.300	208.100
%RSD		1.240	236.700	1.527	1.691	0.000	0.885	1.107	1.487
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:23:31	4.229	6196.000	0.000	5833.000	116000.000	119100.000	91.898%	0.768
2	03:24:15	3.980	6092.000	0.000	5918.000	116400.000	129000.000	90.386%	0.708
3	03:24:57	3.738	6085.000	0.000	5898.000	117600.000	120200.000	89.235%	0.805
x		3.982	6124.000	0.000	5883.000	116700.000	122800.000	90.506%	0.760
σ		0.246	62.340	0.000	44.060	856.100	5431.000	1.336%	0.049
%RSD		6.166	1.018	0.000	0.749	0.734	4.423	1.476	6.428
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:23:31	0.113	2.512	360.900	4126.000	4645.000	0.734	1.698	0.593
2	03:24:15	-0.207	2.401	359.900	4140.000	4636.000	0.723	1.728	0.436
3	03:24:57	0.292	2.431	357.500	4120.000	4633.000	0.693	1.812	0.410
x		0.066	2.448	359.400	4129.000	4638.000	0.717	1.746	0.480
σ		0.253	0.058	1.744	10.310	6.587	0.021	0.059	0.099
%RSD		384.200	2.352	0.485	0.250	0.142	2.957	3.373	20.570
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:23:31	0.914	6.283	6.787	2.647	-0.497	0.295	0.000	302.400
2	03:24:15	0.927	5.769	5.259	2.166	-1.097	1.004	0.000	304.300
3	03:24:57	0.907	4.757	5.460	1.547	-1.114	0.469	0.000	303.300
x		0.916	5.603	5.835	2.120	-0.903	0.589	0.000	303.300
σ		0.010	0.776	0.831	0.551	0.351	0.370	0.000	0.916
%RSD		1.116	13.850	14.230	26.020	38.920	62.710	0.000	0.302
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:23:31	96.816%	0.441	0.514	92.958%	-0.009	-0.009	-0.056	-0.032
2	03:24:15	94.250%	0.478	0.419	91.891%	-0.004	-0.002	-0.004	-0.024
3	03:24:57	94.048%	0.402	0.464	91.199%	-0.004	0.004	-0.073	-0.073
x		95.038%	0.440	0.466	92.016%	-0.005	-0.002	-0.044	-0.043
σ		1.543%	0.038	0.048	0.886%	0.003	0.007	0.036	0.026
%RSD		1.623	8.680	10.220	0.963	53.540	282.200	80.930	60.660
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:23:31	97.969%	0.676	0.193	0.243	82.030	82.860	105.681%	104.899%
2	03:24:15	98.039%	0.667	0.149	0.169	83.860	84.290	103.576%	105.419%
3	03:24:57	96.925%	0.587	0.192	0.180	82.880	84.470	104.059%	105.004%
x		97.645%	0.643	0.178	0.197	82.920	83.880	104.439%	105.107%
σ		0.624%	0.049	0.025	0.040	0.913	0.880	1.102%	0.275%
%RSD		0.639	7.685	13.840	20.410	1.101	1.049	1.056	0.262
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:23:31	0.032	0.035	0.049	0.067	0.087	98.690%		
2	03:24:15	0.023	0.015	0.032	0.077	0.060	100.098%		
3	03:24:57	0.013	0.017	0.053	0.055	0.077	100.112%		
x		0.022	0.022	0.045	0.066	0.075	99.633%		
σ		0.009	0.011	0.011	0.011	0.014	0.817%		
%RSD		41.420	50.270	25.580	16.450	18.120	0.820		

L9W1EF 11/24/2010 3:27:08 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:27:51	108.388%	0.049	217.700	212.400	0.000	75590.000	9966.000	9548.000
2	03:28:34	108.148%	0.018	224.000	212.500	0.000	76180.000	9962.000	9503.000
3	03:29:17	106.385%	0.026	222.600	215.900	0.000	77320.000	10090.000	9683.000
x		107.640%	0.031	221.400	213.600	0.000	76360.000	10010.000	9578.000
σ		1.094%	0.016	3.313	1.977	0.000	879.800	71.280	93.520
%RSD		1.016	52.720	1.497	0.926	0.000	1.152	0.712	0.976
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:27:51	247.400	6520.000	0.000	6853.000	110800.000	119200.000	89.030%	3.304
2	03:28:34	248.200	6496.000	0.000	6835.000	110600.000	111400.000	89.126%	2.997
3	03:29:17	252.200	6751.000	0.000	6994.000	112200.000	112100.000	89.147%	3.160
x		249.300	6589.000	0.000	6894.000	111200.000	114200.000	89.101%	3.154
σ		2.591	140.800	0.000	86.940	885.700	4273.000	0.063%	0.153
%RSD		1.039	2.137	0.000	1.261	0.796	3.740	0.070	4.862
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:27:51	1.415	3.307	792.700	376.600	940.400	0.561	2.875	1.267
2	03:28:34	0.351	3.339	805.000	379.600	950.000	0.611	2.817	1.201
3	03:29:17	-0.215	3.292	806.500	378.200	932.700	0.597	2.836	1.221
x		0.517	3.313	801.400	378.100	941.000	0.590	2.842	1.230
σ		0.827	0.024	7.532	1.477	8.631	0.026	0.029	0.034
%RSD		160.100	0.725	0.940	0.391	0.917	4.435	1.035	2.756
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:27:51	1.608	8.246	8.578	0.410	-0.733	0.949	0.000	335.600
2	03:28:34	1.760	8.416	8.070	0.856	-0.470	1.674	0.000	339.100
3	03:29:17	1.871	8.140	8.174	0.706	-0.958	0.374	0.000	341.000
x		1.746	8.267	8.274	0.657	-0.720	0.999	0.000	338.600
σ		0.132	0.140	0.268	0.227	0.244	0.652	0.000	2.746
%RSD		7.584	1.688	3.243	34.450	33.860	65.220	0.000	0.811
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:27:51	93.658%	0.868	0.858	89.899%	-0.005	-0.002	0.125	0.116
2	03:28:34	94.373%	0.813	0.879	90.651%	0.005	0.001	-0.134	-0.033
3	03:29:17	95.133%	0.856	0.757	91.823%	0.004	-0.011	-0.084	-0.025
x		94.388%	0.845	0.831	90.791%	0.001	-0.004	-0.031	0.019
σ		0.738%	0.029	0.065	0.970%	0.006	0.006	0.137	0.084
%RSD		0.782	3.420	7.809	1.068	412.900	159.700	442.300	440.100
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:27:51	94.365%	0.732	0.154	0.193	27.960	28.340	102.343%	102.336%
2	03:28:34	95.702%	0.926	0.146	0.166	27.810	27.610	103.443%	103.841%
3	03:29:17	96.854%	0.727	0.175	0.172	27.150	27.870	105.107%	104.745%
x		95.641%	0.795	0.159	0.177	27.640	27.940	103.631%	103.641%
σ		1.246%	0.113	0.015	0.014	0.431	0.370	1.392%	1.217%
%RSD		1.302	14.220	9.389	7.968	1.558	1.326	1.343	1.174
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:27:51	0.032	0.032	0.474	0.439	0.460	96.040%		
2	03:28:34	0.036	0.027	0.421	0.476	0.452	98.371%		
3	03:29:17	0.030	0.038	0.462	0.454	0.462	99.676%		
x		0.032	0.032	0.452	0.456	0.458	98.029%		
σ		0.003	0.006	0.028	0.019	0.005	1.842%		
%RSD		8.641	17.550	6.184	4.142	1.133	1.879		

L9X0TB 11/24/2010 3:34:22 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:35:05	113.711%	0.008	3.118	2.921	0.000	-51.240	0.039	0.096
2	03:35:48	116.187%	-0.007	2.585	2.427	0.000	-51.870	0.366	0.384
3	03:36:31	114.475%	0.008	2.431	2.149	0.000	-50.380	0.701	-0.138
x		114.791%	0.003	2.711	2.499	0.000	-51.160	0.369	0.114
σ		1.268%	0.009	0.360	0.391	0.000	0.749	0.331	0.261
%RSD		1.104	261.100	13.290	15.640	0.000	1.463	89.800	229.000
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:35:05	-1.384	1.056	0.000	-6.104	3.634	-4.893	98.295%	-0.407
2	03:35:48	-1.286	1.200	0.000	-7.104	-1.749	-6.862	98.841%	-0.407
3	03:36:31	-1.331	1.439	0.000	-8.242	11.620	-7.578	98.496%	-0.431
x		-1.334	1.232	0.000	-7.150	4.501	-6.444	98.544%	-0.415
σ		0.049	0.194	0.000	1.070	6.725	1.391	0.276%	0.014
%RSD		3.684	15.710	0.000	14.960	149.400	21.580	0.280	3.447
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:35:05	-0.328	0.509	-0.029	-2.908	-10.220	-0.010	-0.092	-0.238
2	03:35:48	0.755	0.373	-0.044	-3.741	-10.580	-0.006	-0.040	-0.269
3	03:36:31	-0.234	0.282	-0.009	-4.066	-11.380	-0.012	-0.060	-0.264
x		0.064	0.388	-0.027	-3.572	-10.730	-0.009	-0.064	-0.257
σ		0.600	0.114	0.018	0.597	0.589	0.003	0.026	0.017
%RSD		930.800	29.430	64.470	16.710	5.493	31.430	40.680	6.515
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:35:05	-0.098	-0.433	-0.240	-0.379	-0.797	0.163	0.000	-0.009
2	03:35:48	-0.103	-0.330	-0.369	-0.333	0.699	0.197	0.000	-0.000
3	03:36:31	-0.076	-0.410	-0.442	0.725	0.001	0.151	0.000	0.001
x		-0.092	-0.391	-0.350	0.005	-0.032	0.170	0.000	-0.003
σ		0.014	0.055	0.102	0.625	0.748	0.024	0.000	0.005
%RSD		15.270	13.940	29.080	13360.000	2306.000	14.000	0.000	187.600
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:35:05	102.250%	-0.025	0.017	99.983%	-0.006	-0.008	-0.066	-0.029
2	03:35:48	101.224%	-0.011	0.049	100.540%	-0.006	-0.009	-0.061	-0.032
3	03:36:31	102.409%	0.042	0.019	100.622%	-0.000	-0.002	-0.007	0.013
x		101.961%	0.002	0.029	100.382%	-0.004	-0.006	-0.045	-0.016
σ		0.643%	0.035	0.018	0.348%	0.003	0.004	0.033	0.025
%RSD		0.631	1755.000	62.760	0.346	80.620	62.630	72.910	157.900
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:35:05	101.063%	-0.173	0.001	-0.016	-0.054	-0.012	104.456%	104.093%
2	03:35:48	102.122%	-0.230	-0.005	-0.028	-0.064	-0.023	105.650%	105.958%
3	03:36:31	104.083%	-0.220	0.000	-0.005	-0.026	-0.023	105.638%	105.588%
x		102.423%	-0.207	-0.001	-0.016	-0.048	-0.020	105.248%	105.213%
σ		1.532%	0.030	0.003	0.011	0.020	0.007	0.686%	0.988%
%RSD		1.496	14.630	265.500	68.330	41.820	33.640	0.652	0.939
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:35:05	-0.004	0.000	-0.044	-0.044	-0.050	105.229%		
2	03:35:48	-0.007	-0.001	-0.044	-0.047	-0.043	104.964%		
3	03:36:31	0.004	-0.006	-0.027	-0.042	-0.041	104.224%		
x		-0.002	-0.002	-0.039	-0.044	-0.045	104.806%		
σ		0.006	0.004	0.010	0.003	0.005	0.521%		
%RSD		238.400	171.600	25.100	5.768	10.210	0.497		

L9X0TC 11/24/2010 3:38:42 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:39:25	107.549%	46.110	873.500	860.600	0.000	45560.000	54860.000	52820.000
2	03:40:08	110.174%	46.700	878.300	842.000	0.000	45230.000	54550.000	52190.000
3	03:40:51	108.148%	46.400	888.900	854.900	0.000	46150.000	56040.000	53430.000
x		108.624%	46.410	880.200	852.500	0.000	45650.000	55150.000	52810.000
σ		1.376%	0.293	7.867	9.548	0.000	465.500	785.300	620.100
%RSD		1.266	0.632	0.894	1.120	0.000	1.020	1.424	1.174

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:39:25	1954.000	13.210	0.000	46410.000	45970.000	46600.000	96.941%	0.377
2	03:40:08	1941.000	11.720	0.000	46720.000	46740.000	46780.000	97.264%	0.172
3	03:40:51	1967.000	11.750	0.000	48140.000	47860.000	47810.000	94.314%	-0.015
x		1954.000	12.230	0.000	47090.000	46860.000	47060.000	96.173%	0.178
σ		13.360	0.851	0.000	921.400	952.800	655.300	1.618%	0.196
%RSD		0.684	6.963	0.000	1.957	2.033	1.392	1.683	110.300

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:39:25	471.600	187.800	465.700	925.700	1198.000	466.100	467.000	236.800
2	03:40:08	462.200	183.300	459.000	917.600	1170.000	464.100	457.800	233.900
3	03:40:51	483.000	190.400	475.100	943.400	1179.000	474.700	473.500	241.200
x		472.300	187.100	466.600	928.900	1183.000	468.300	466.100	237.300
σ		10.380	3.583	8.050	13.210	14.360	5.632	7.897	3.660
%RSD		2.198	1.915	1.725	1.422	1.214	1.203	1.694	1.542

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:39:25	239.800	477.900	476.800	38.300	9.479	9.729	0.000	928.600
2	03:40:08	238.000	477.700	483.900	37.310	9.942	9.589	0.000	918.100
3	03:40:51	243.800	485.400	488.500	38.050	9.941	10.540	0.000	929.100
x		240.500	480.300	483.100	37.890	9.788	9.953	0.000	925.300
σ		2.991	4.404	5.884	0.518	0.267	0.514	0.000	6.214
%RSD		1.244	0.917	1.218	1.368	2.729	5.167	0.000	0.672

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:39:25	97.997%	0.383	0.447	94.617%	48.500	48.170	46.720	47.300
2	03:40:08	100.320%	0.335	0.415	95.574%	48.320	47.870	46.090	47.340
3	03:40:51	100.463%	0.313	0.397	96.229%	48.170	47.790	46.590	47.580
x		99.593%	0.344	0.419	95.474%	48.330	47.950	46.470	47.410
σ		1.384%	0.036	0.025	0.811%	0.165	0.202	0.332	0.154
%RSD		1.390	10.340	5.957	0.849	0.342	0.421	0.715	0.324

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:39:25	99.494%	0.955	0.215	0.273	1849.000	1860.000	104.448%	103.987%
2	03:40:08	100.034%	0.980	0.236	0.271	1867.000	1870.000	105.858%	105.700%
3	03:40:51	100.276%	1.033	0.203	0.272	1855.000	1866.000	107.745%	107.304%
x		99.934%	0.989	0.218	0.272	1857.000	1865.000	106.017%	105.664%
σ		0.400%	0.040	0.017	0.001	9.057	4.922	1.654%	1.659%
%RSD		0.400	4.048	7.700	0.391	0.488	0.264	1.560	1.570

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:39:25	49.420	49.520	19.560	21.240	20.390	97.642%
2	03:40:08	49.040	49.430	19.370	21.620	20.430	100.430%
3	03:40:51	49.800	50.080	19.970	21.090	20.480	101.085%
x		49.420	49.680	19.630	21.320	20.430	99.719%
σ		0.379	0.348	0.307	0.275	0.047	1.828%
%RSD		0.766	0.702	1.564	1.292	0.231	1.833

L9TLL 11/24/2010 3:43:02 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:43:45	110.295%	0.032	15.180	14.800	0.000	4284.000	42750.000	40860.000
2	03:44:28	113.220%	0.001	12.890	12.330	0.000	4205.000	42350.000	40580.000
3	03:45:11	111.326%	0.009	12.770	12.140	0.000	4326.000	42810.000	40570.000
x		111.614%	0.014	13.610	13.090	0.000	4272.000	42640.000	40670.000
σ		1.483%	0.016	1.357	1.481	0.000	61.500	248.900	162.600
%RSD		1.329	115.500	9.971	11.320	0.000	1.440	0.584	0.400

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:43:45	19.940	2171.000	0.000	8651.000	113400.000	122000.000	93.656%	0.223
2	03:44:28	20.660	2127.000	0.000	8527.000	113900.000	121800.000	95.031%	0.315
3	03:45:11	20.380	2138.000	0.000	8678.000	114100.000	122300.000	95.311%	0.261
x		20.330	2145.000	0.000	8619.000	113800.000	122100.000	94.666%	0.266
σ		0.366	23.080	0.000	80.510	374.600	255.700	0.886%	0.046
%RSD		1.801	1.076	0.000	0.934	0.329	0.209	0.936	17.380

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:43:45	0.393	2.787	5997.000	788.200	1413.000	5.809	2.088	1.067
2	03:44:28	0.008	2.791	6010.000	787.300	1343.000	5.879	1.840	1.016
3	03:45:11	0.097	2.519	5991.000	781.600	1352.000	6.044	1.681	0.983
x		0.166	2.699	6000.000	785.700	1369.000	5.911	1.870	1.022
σ		0.201	0.156	9.825	3.567	38.080	0.121	0.205	0.042
%RSD		121.200	5.772	0.164	0.454	2.781	2.041	10.970	4.153

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:43:45	1.774	16.440	15.860	0.208	-0.510	0.795	0.000	324.800
2	03:44:28	1.788	16.110	16.470	-0.026	-0.966	-0.030	0.000	324.600
3	03:45:11	1.531	16.380	16.510	0.453	-0.780	0.414	0.000	323.400
x		1.698	16.310	16.280	0.211	-0.752	0.393	0.000	324.200
σ		0.144	0.180	0.364	0.240	0.229	0.413	0.000	0.779
%RSD		8.511	1.104	2.239	113.300	30.440	105.000	0.000	0.240

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:43:45	98.175%	0.230	0.150	95.074%	0.004	-0.001	0.014	0.049
2	03:44:28	101.032%	0.104	0.171	97.464%	-0.007	0.006	-0.031	0.010
3	03:45:11	103.039%	0.130	0.166	98.131%	-0.002	-0.000	-0.099	-0.062
x		100.749%	0.155	0.162	96.890%	-0.002	0.002	-0.039	-0.001
σ		2.444%	0.067	0.011	1.607%	0.006	0.004	0.057	0.056
%RSD		2.426	43.140	6.794	1.659	317.900	242.900	146.900	5521.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:43:45	99.636%	0.483	0.050	0.063	19.870	19.360	104.666%	104.552%
2	03:44:28	102.538%	0.495	0.046	0.069	19.970	19.580	108.765%	108.138%
3	03:45:11	104.355%	0.560	0.024	0.076	19.820	19.540	110.223%	110.485%
x		102.176%	0.513	0.040	0.070	19.890	19.500	107.884%	107.725%
σ		2.380%	0.042	0.014	0.007	0.077	0.117	2.881%	2.988%
%RSD		2.330	8.104	35.500	9.430	0.388	0.600	2.671	2.774

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	03:43:45	0.413	0.414	0.005	-0.007	-0.000	100.676%
2	03:44:28	0.262	0.267	-0.009	0.009	-0.003	103.611%
3	03:45:11	0.240	0.226	0.009	0.010	0.002	105.638%
x		0.305	0.302	0.002	0.004	-0.000	103.309%
σ		0.094	0.099	0.009	0.010	0.003	2.495%
%RSD		30.940	32.860	587.300	254.600	576.200	2.415

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:48:06	117.602%	0.008	4.996	5.445	0.000	785.500	8210.000	7923.000
2	03:48:49	116.751%	0.001	5.152	4.847	0.000	779.200	8232.000	7931.000
3	03:49:32	117.715%	0.000	5.531	4.666	0.000	776.600	8135.000	7972.000
x		117.356%	0.003	5.226	4.986	0.000	780.500	8193.000	7942.000
σ		0.527%	0.004	0.275	0.408	0.000	4.571	50.690	26.170
%RSD		0.449	141.900	5.267	8.179	0.000	0.586	0.619	0.330
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:48:06	7.564	441.800	0.000	1705.000	23040.000	22800.000	98.361%	-0.208
2	03:48:49	6.996	438.900	0.000	1677.000	23100.000	22790.000	97.596%	-0.306
3	03:49:32	8.045	432.300	0.000	1690.000	22470.000	22760.000	97.543%	-0.256
x		7.535	437.700	0.000	1691.000	22870.000	22780.000	97.833%	-0.257
σ		0.525	4.874	0.000	14.210	345.000	18.160	0.458%	0.049
%RSD		6.971	1.114	0.000	0.841	1.509	0.080	0.468	19.100
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:48:06	-0.578	0.740	1179.000	157.700	277.900	1.188	0.265	0.074
2	03:48:49	0.592	0.744	1186.000	156.800	282.300	1.230	0.249	0.088
3	03:49:32	-0.626	0.656	1190.000	157.600	284.900	1.201	0.308	0.075
x		-0.204	0.713	1185.000	157.400	281.700	1.207	0.274	0.079
σ		0.690	0.050	5.941	0.481	3.546	0.022	0.030	0.008
%RSD		337.600	7.000	0.501	0.306	1.259	1.783	11.050	9.561
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:48:06	0.352	3.127	2.774	0.115	-0.551	-0.081	0.000	63.960
2	03:48:49	0.415	2.675	3.382	0.061	-0.290	0.562	0.000	65.300
3	03:49:32	0.455	2.840	3.031	-0.038	-0.326	0.868	0.000	65.310
x		0.407	2.881	3.063	0.046	-0.389	0.450	0.000	64.860
σ		0.052	0.229	0.305	0.078	0.141	0.484	0.000	0.777
%RSD		12.760	7.940	9.959	169.800	36.320	107.800	0.000	1.198
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:48:06	102.334%	0.004	0.046	100.113%	-0.011	-0.008	0.063	0.090
2	03:48:49	101.923%	0.018	0.061	100.085%	-0.006	-0.008	-0.049	-0.008
3	03:49:32	101.580%	0.067	0.017	99.581%	0.001	-0.000	-0.005	0.023
x		101.946%	0.030	0.041	99.927%	-0.005	-0.005	0.003	0.035
σ		0.378%	0.033	0.022	0.299%	0.006	0.004	0.056	0.050
%RSD		0.370	112.100	53.390	0.300	117.200	82.760	1924.000	142.400
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:48:06	103.013%	-0.021	-0.017	-0.012	3.969	3.868	105.157%	105.748%
2	03:48:49	103.904%	0.070	-0.022	-0.019	3.801	3.882	107.735%	106.107%
3	03:49:32	103.920%	0.112	-0.014	-0.008	3.717	4.089	106.374%	106.465%
x		103.612%	0.054	-0.018	-0.013	3.829	3.946	106.422%	106.107%
σ		0.519%	0.068	0.004	0.006	0.128	0.123	1.290%	0.359%
%RSD		0.501	127.200	24.670	44.610	3.354	3.125	1.212	0.338
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:48:06	0.100	0.092	-0.038	-0.030	-0.032	101.692%		
2	03:48:49	0.094	0.078	-0.028	-0.030	-0.027	102.126%		
3	03:49:32	0.067	0.060	-0.012	-0.024	-0.017	103.127%		
x		0.087	0.077	-0.026	-0.028	-0.026	102.315%		
σ		0.018	0.016	0.013	0.003	0.008	0.736%		
%RSD		20.140	21.330	51.000	12.540	30.350	0.719		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:52:26	107.270%	45.300	866.200	839.300	0.000	49920.000	97230.000	92630.000
2	03:53:09	104.546%	45.350	877.200	865.300	0.000	50190.000	98360.000	93280.000
3	03:53:52	103.976%	46.130	884.600	847.400	0.000	50510.000	99120.000	93790.000
X		105.264%	45.590	876.000	850.700	0.000	50200.000	98240.000	93230.000
σ		1.761%	0.466	9.267	13.320	0.000	297.400	949.900	579.700
%RSD		1.673	1.021	1.058	1.566	0.000	0.593	0.967	0.622
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:52:26	1963.000	2189.000	0.000	54440.000	158600.000	167500.000	96.084%	0.307
2	03:53:09	1968.000	2197.000	0.000	55000.000	157700.000	170000.000	94.918%	1.011
3	03:53:52	1978.000	2191.000	0.000	55700.000	162500.000	171200.000	94.858%	0.548
X		1970.000	2192.000	0.000	55040.000	159600.000	169600.000	95.287%	0.622
σ		7.658	4.389	0.000	629.700	2553.000	1868.000	0.691%	0.358
%RSD		0.389	0.200	0.000	1.144	1.600	1.101	0.725	57.500
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:52:26	463.500	181.700	6238.000	1718.000	2537.000	467.400	459.700	232.600
2	03:53:09	462.800	183.000	6355.000	1703.000	2535.000	472.300	463.800	234.900
3	03:53:52	468.400	184.900	6333.000	1689.000	2532.000	470.400	463.900	233.800
X		464.900	183.200	6309.000	1703.000	2535.000	470.000	462.500	233.800
σ		3.066	1.642	62.410	14.800	2.420	2.466	2.433	1.128
%RSD		0.659	0.896	0.989	0.869	0.095	0.525	0.526	0.482
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:52:26	233.700	478.400	480.100	37.570	9.873	9.130	0.000	1224.000
2	03:53:09	238.500	486.600	483.100	38.310	9.086	10.650	0.000	1229.000
3	03:53:52	236.800	487.600	488.500	37.140	9.641	10.000	0.000	1231.000
X		236.300	484.200	483.900	37.670	9.533	9.927	0.000	1228.000
σ		2.443	5.060	4.268	0.589	0.404	0.762	0.000	3.194
%RSD		1.034	1.045	0.882	1.563	4.242	7.680	0.000	0.260
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:52:26	99.388%	0.433	0.432	92.917%	48.070	46.980	46.630	46.680
2	03:53:09	99.753%	0.528	0.412	94.745%	47.410	46.680	47.030	46.430
3	03:53:52	101.038%	0.314	0.460	95.315%	47.270	47.420	47.170	47.010
X		100.059%	0.425	0.435	94.326%	47.580	47.030	46.940	46.710
σ		0.867%	0.107	0.024	1.253%	0.427	0.368	0.283	0.295
%RSD		0.866	25.260	5.509	1.328	0.898	0.783	0.603	0.631
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:52:26	99.379%	0.895	0.224	0.252	1851.000	1862.000	105.116%	104.786%
2	03:53:09	100.720%	1.056	0.157	0.253	1862.000	1880.000	106.575%	106.689%
3	03:53:52	100.962%	1.059	0.181	0.244	1855.000	1873.000	108.463%	108.573%
X		100.353%	1.003	0.187	0.250	1856.000	1872.000	106.718%	106.683%
σ		0.853%	0.094	0.034	0.005	5.883	9.212	1.678%	1.894%
%RSD		0.850	9.369	18.210	1.841	0.317	0.492	1.572	1.775
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:52:26	50.050	49.730	19.380	21.570	20.540	97.011%		
2	03:53:09	50.270	50.330	19.440	21.220	20.380	99.593%		
3	03:53:52	50.660	50.700	19.780	21.220	20.610	100.859%		
X		50.330	50.250	19.530	21.340	20.510	99.154%		
σ		0.310	0.494	0.215	0.203	0.116	1.961%		
%RSD		0.616	0.983	1.101	0.952	0.566	1.977		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:56:47	111.839%	45.960	887.000	865.300	0.000	49670.000	96920.000	92620.000
2	03:57:30	110.209%	45.420	896.900	867.600	0.000	50120.000	98060.000	93340.000
3	03:58:13	110.081%	45.340	894.000	864.300	0.000	50830.000	100300.000	94970.000
x		110.709%	45.580	892.600	865.700	0.000	50210.000	98430.000	93640.000
σ		0.980%	0.337	5.052	1.691	0.000	586.800	1721.000	1204.000
%RSD		0.885	0.740	0.566	0.195	0.000	1.169	1.749	1.286
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:56:47	2023.000	2211.000	0.000	54810.000	159300.000	169800.000	99.772%	0.279
2	03:57:30	2044.000	2250.000	0.000	55730.000	162300.000	173200.000	97.948%	0.741
3	03:58:13	2040.000	2254.000	0.000	55950.000	162600.000	175800.000	96.387%	0.405
x		2036.000	2238.000	0.000	55490.000	161400.000	172900.000	98.036%	0.475
σ		11.170	23.740	0.000	604.200	1854.000	3006.000	1.694%	0.239
%RSD		0.549	1.060	0.000	1.089	1.149	1.738	1.728	50.300
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:56:47	488.300	191.600	6430.000	1738.000	2600.000	478.900	475.500	240.300
2	03:57:30	487.200	192.300	6465.000	1761.000	2582.000	489.900	477.000	240.900
3	03:58:13	491.300	193.200	6443.000	1743.000	2609.000	491.100	483.800	247.200
x		488.900	192.400	6446.000	1747.000	2597.000	486.600	478.800	242.800
σ		2.128	0.792	18.100	12.120	13.900	6.722	4.457	3.815
%RSD		0.435	0.412	0.281	0.694	0.535	1.381	0.931	1.571
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:56:47	241.800	495.100	485.900	38.850	9.402	9.868	0.000	1280.000
2	03:57:30	245.600	498.300	499.300	38.710	9.687	10.070	0.000	1278.000
3	03:58:13	248.700	507.300	510.400	38.400	9.990	10.100	0.000	1269.000
x		245.400	500.200	498.500	38.650	9.693	10.010	0.000	1276.000
σ		3.438	6.340	12.260	0.230	0.294	0.126	0.000	5.865
%RSD		1.401	1.267	2.459	0.595	3.033	1.256	0.000	0.460
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:56:47	101.736%	0.386	0.468	95.393%	49.130	49.210	49.900	49.090
2	03:57:30	102.488%	0.480	0.448	96.385%	48.960	49.190	48.940	49.070
3	03:58:13	102.666%	0.396	0.435	96.555%	49.910	49.610	47.000	48.540
x		102.296%	0.421	0.450	96.111%	49.330	49.340	48.610	48.900
σ		0.493%	0.052	0.017	0.627%	0.510	0.236	1.475	0.313
%RSD		0.482	12.260	3.676	0.653	1.034	0.479	3.035	0.640
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:56:47	100.957%	1.012	0.234	0.249	1953.000	1958.000	107.659%	107.297%
2	03:57:30	101.648%	0.992	0.158	0.245	1941.000	1964.000	108.549%	107.461%
3	03:58:13	102.438%	0.975	0.166	0.241	1932.000	1947.000	109.149%	108.398%
x		101.681%	0.993	0.186	0.245	1942.000	1956.000	108.452%	107.719%
σ		0.741%	0.019	0.042	0.004	10.600	8.828	0.750%	0.594%
%RSD		0.729	1.878	22.400	1.756	0.546	0.451	0.692	0.552
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	03:56:47	52.380	52.630	20.400	22.010	21.220	99.140%		
2	03:57:30	52.300	53.110	20.880	22.380	21.650	99.961%		
3	03:58:13	52.470	53.010	20.460	22.170	21.320	100.378%		
x		52.380	52.920	20.580	22.190	21.400	99.826%		
σ		0.086	0.254	0.261	0.188	0.227	0.630%		
%RSD		0.164	0.479	1.266	0.848	1.061	0.631		

L9TLP 11/24/2010 4:00:26 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:09	115.530%	1.528	21.620	20.190	0.000	7139.000	167200.000	159400.000
2	04:01:52	112.571%	1.394	20.530	18.730	0.000	7225.000	169100.000	159800.000
3	04:02:35	112.070%	1.500	18.150	17.240	0.000	7303.000	168800.000	161000.000
x		113.390%	1.474	20.100	18.720	0.000	7222.000	168300.000	160100.000
σ		1.870%	0.070	1.774	1.472	0.000	81.870	1029.000	824.600
%RSD		1.649	4.784	8.823	7.862	0.000	1.134	0.612	0.515

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:09	7528.000	6043.000	0.000	28830.000	345500.000	370500.000	98.798%	1.156
2	04:01:52	7509.000	6160.000	0.000	29320.000	349700.000	374800.000	96.400%	0.865
3	04:02:35	7538.000	6149.000	0.000	29490.000	354900.000	377000.000	95.755%	1.206
x		7525.000	6117.000	0.000	29220.000	350000.000	374100.000	96.984%	1.075
σ		14.910	64.780	0.000	342.000	4702.000	3342.000	1.603%	0.184
%RSD		0.198	1.059	0.000	1.171	1.343	0.893	1.653	17.120

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:09	1.373	2.562	21620.000	55370.000	55880.000	303.600	46.390	219.200
2	04:01:52	0.602	2.395	21990.000	56160.000	56610.000	307.500	46.180	220.300
3	04:02:35	0.477	2.458	21980.000	56190.000	56330.000	305.500	45.810	222.400
x		0.817	2.472	21860.000	55910.000	56270.000	305.600	46.130	220.600
σ		0.485	0.085	211.400	466.500	365.200	1.951	0.293	1.610
%RSD		59.360	3.422	0.967	0.834	0.649	0.638	0.635	0.730

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:09	225.600	8804.000	8912.000	1.837	2.620	11.660	0.000	1602.000
2	04:01:52	225.700	8901.000	9023.000	1.660	1.742	11.750	0.000	1611.000
3	04:02:35	228.200	9032.000	9153.000	0.910	1.999	10.050	0.000	1620.000
x		226.500	8912.000	9030.000	1.469	2.120	11.150	0.000	1611.000
σ		1.510	114.800	120.600	0.492	0.452	0.958	0.000	8.988
%RSD		0.667	1.288	1.335	33.480	21.310	8.590	0.000	0.558

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:09	0.000	0.065	0.055	95.677%	0.008	-0.001	10.150	9.507
2	04:01:52	0.000	0.070	0.062	95.613%	0.013	0.005	10.930	9.808
3	04:02:35	0.000	0.065	0.099	95.565%	0.002	-0.003	10.050	9.481
x		0.000	0.067	0.072	95.618%	0.008	0.000	10.380	9.598
σ		0.000	0.003	0.024	0.056%	0.005	0.004	0.482	0.182
%RSD		0.000	4.625	32.820	0.058	71.560	1709.000	4.642	1.894

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:09	100.960%	0.427	0.021	0.051	19.010	19.600	0.000	0.000
2	04:01:52	101.771%	0.458	0.015	0.058	19.300	19.350	0.000	0.000
3	04:02:35	102.695%	0.477	0.023	0.084	20.050	19.770	0.000	0.000
x		101.808%	0.454	0.020	0.064	19.450	19.570	0.000	0.000
σ		0.868%	0.025	0.004	0.017	0.534	0.211	0.000	0.000
%RSD		0.853	5.594	21.300	26.890	2.743	1.077	0.000	0.000

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:01:09	0.648	0.633	4.548	4.537	4.497	98.939%
2	04:01:52	0.559	0.491	4.712	4.613	4.630	100.481%
3	04:02:35	0.433	0.463	4.670	4.556	4.607	102.066%
x		0.547	0.529	4.643	4.569	4.578	100.495%
σ		0.108	0.091	0.086	0.040	0.071	1.563%
%RSD		19.770	17.290	1.844	0.866	1.558	1.556

CCV1-8 11/24/2010 4:07:40 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:08:23	115.683%	94.100	91.990	93.840	0.000	46460.000	53630.000	52900.000
2	04:09:06	116.635%	91.100	90.630	91.460	0.000	46560.000	54310.000	53590.000
3	04:09:49	115.108%	93.860	92.820	93.160	0.000	47190.000	55110.000	54100.000
x		115.809%	93.020%	91.812%	92.823%	0.000	93.477%	108.695%	107.060%
σ		0.771%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.666	1.794	1.202	1.321	0.000	0.840	1.363	1.127
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:08:23	520.900	4950.000	0.000	48540.000	47720.000	47680.000	108.775%	95.120
2	04:09:06	521.500	4960.000	0.000	48970.000	49110.000	48400.000	106.750%	96.160
3	04:09:49	527.500	4931.000	0.000	49540.000	49660.000	48920.000	106.027%	97.910
x		104.662%	98.939%	0.000	98.040%	97.664%	96.669%	107.184%	96.394%
σ		n/a	n/a	0.000	n/a	n/a	n/a	1.425%	n/a
%RSD		0.695	0.301	0.000	1.026	2.052	1.296	1.329	1.462
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:08:23	94.960	94.350	476.600	23840.000	23470.000	94.670	95.480	96.020
2	04:09:06	96.020	95.690	486.700	24380.000	24020.000	96.990	97.920	98.480
3	04:09:49	97.710	96.480	486.500	24480.000	24250.000	96.670	96.030	98.880
x		96.232%	95.505%	96.650%	96.938%	95.643%	96.110%	96.479%	97.794%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.443	1.127	1.190	1.424	1.686	1.311	1.324	1.587
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:08:23	97.240	99.320	100.600	98.400	99.970	98.850	0.000	99.020
2	04:09:06	99.710	100.800	99.160	98.880	100.300	100.100	0.000	98.790
3	04:09:49	99.170	100.600	100.100	100.500	99.410	100.000	0.000	98.590
x		98.709%	100.240%	99.938%	99.260%	99.892%	99.646%	0.000	98.798%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.317	0.806	0.731	1.114	0.445	0.694	0.000	0.218
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:08:23	107.035%	85.320	86.890	101.898%	97.610	98.000	97.970	97.950
2	04:09:06	107.708%	93.600	94.000	102.527%	97.680	97.770	97.970	97.670
3	04:09:49	107.957%	97.090	97.350	102.596%	97.540	97.990	98.930	98.700
x		107.567%	92.003%	92.749%	102.340%	97.611%	97.921%	98.290%	98.106%
σ		0.477%	n/a	n/a	0.385%	n/a	n/a	n/a	n/a
%RSD		0.443	6.574	5.762	0.376	0.069	0.133	0.564	0.545
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:08:23	105.489%	96.140	96.540	97.800	96.290	97.240	106.768%	106.206%
2	04:09:06	106.952%	96.090	97.220	99.400	98.350	98.230	107.393%	107.901%
3	04:09:49	107.350%	97.220	98.490	99.690	99.090	98.760	109.396%	108.064%
x		106.597%	96.481%	97.415%	98.964%	97.913%	98.077%	107.853%	107.390%
σ		0.980%	n/a	n/a	n/a	n/a	n/a	1.373%	1.029%
%RSD		0.919	0.660	1.014	1.029	1.481	0.784	1.273	0.958
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:08:23	105.300	106.200	106.200	107.100	107.300	98.939%		
2	04:09:06	106.200	107.400	107.100	107.400	108.000	99.898%		
3	04:09:49	106.700	106.600	107.800	107.800	108.000	100.444%		
x		106.054%	106.737%	107.037%	107.425%	107.779%	99.760%		
σ		n/a	n/a	n/a	n/a	n/a	0.762%		
%RSD		0.678	0.533	0.735	0.331	0.385	0.764		

CCB8 11/24/2010 4:14:55 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:15:38	114.142%	0.038	4.334	3.519	0.000	-48.480	8.435	7.874
2	04:16:21	116.697%	0.029	3.751	3.802	0.000	-46.300	11.480	11.130
3	04:17:04	115.187%	0.030	3.682	3.721	0.000	-41.780	18.550	17.380
x		115.342%	0.032	3.922	3.681	0.000	-45.520	12.820	12.130
σ		1.285%	0.005	0.358	0.146	0.000	3.418	5.189	4.831
%RSD		1.114	14.300	9.122	3.958	0.000	7.508	40.470	39.830
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:15:38	0.018	-0.527	0.000	6.918	12.010	-6.546	110.855%	-0.459
2	04:16:21	0.142	-0.258	0.000	8.505	17.000	-3.181	109.706%	-0.414
3	04:17:04	0.146	0.381	0.000	14.260	24.030	7.760	110.455%	-0.459
x		0.102	-0.135	0.000	9.894	17.680	-0.655	110.338%	-0.444
σ		0.073	0.466	0.000	3.862	6.038	7.480	0.583%	0.026
%RSD		71.310	346.300	0.000	39.030	34.150	1141.000	0.528	5.815
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:15:38	0.183	-0.007	0.196	5.462	-3.057	0.008	-0.056	-0.222
2	04:16:21	-0.028	0.006	0.357	6.144	0.832	0.011	-0.055	-0.260
3	04:17:04	0.022	0.003	0.594	6.962	0.039	0.026	-0.073	-0.309
x		0.059	0.000	0.383	6.189	-0.729	0.015	-0.061	-0.264
σ		0.110	0.007	0.200	0.751	2.055	0.010	0.010	0.044
%RSD		186.500	1713.000	52.400	12.130	282.000	64.000	16.340	16.690
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:15:38	-0.088	-0.447	-0.373	0.069	0.356	0.135	0.000	0.022
2	04:16:21	-0.122	-0.537	-0.328	0.266	1.164	0.605	0.000	0.038
3	04:17:04	-0.064	-0.332	-0.312	-0.260	0.432	-0.176	0.000	0.062
x		-0.091	-0.439	-0.338	0.025	0.650	0.188	0.000	0.041
σ		0.029	0.103	0.032	0.266	0.446	0.393	0.000	0.021
%RSD		31.990	23.430	9.452	1064.000	68.570	209.100	0.000	50.620
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:15:38	113.163%	0.926	1.118	110.948%	0.008	0.005	-0.109	-0.065
2	04:16:21	113.363%	0.915	1.078	111.332%	0.010	0.018	0.079	0.082
3	04:17:04	112.829%	0.856	0.943	110.324%	0.035	0.025	-0.052	0.000
x		113.118%	0.899	1.046	110.868%	0.018	0.016	-0.027	0.006
σ		0.270%	0.038	0.092	0.509%	0.015	0.010	0.096	0.073
%RSD		0.238	4.189	8.753	0.459	84.770	61.770	351.800	1249.000
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:15:38	112.880%	-0.151	0.256	0.280	-0.001	-0.003	113.265%	112.316%
2	04:16:21	113.290%	-0.170	0.285	0.289	-0.020	0.022	113.440%	112.580%
3	04:17:04	113.700%	-0.177	0.251	0.265	0.042	0.047	114.286%	111.948%
x		113.290%	-0.166	0.264	0.278	0.007	0.022	113.664%	112.281%
σ		0.410%	0.014	0.019	0.012	0.032	0.025	0.546%	0.317%
%RSD		0.362	8.135	7.026	4.350	446.700	114.300	0.480	0.283
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:15:38	0.032	0.044	-0.018	-0.002	-0.007	107.106%		
2	04:16:21	0.041	0.047	0.003	-0.010	-0.012	107.292%		
3	04:17:04	0.069	0.065	-0.001	-0.010	0.000	107.164%		
x		0.048	0.052	-0.005	-0.007	-0.006	107.187%		
σ		0.019	0.011	0.011	0.005	0.006	0.096%		
%RSD		40.500	21.340	221.700	62.440	95.870	0.089		

L9TLP/10 11/24/2010 4:19:17 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:20:00	113.325%	0.239	4.143	4.598	0.000	696.100	16580.000	16380.000
2	04:20:43	114.776%	0.177	4.708	4.533	0.000	689.500	16600.000	16240.000
3	04:21:26	113.087%	0.158	3.999	3.945	0.000	681.900	16650.000	16370.000
x		113.729%	0.192	4.283	4.359	0.000	689.200	16610.000	16330.000
σ		0.914%	0.043	0.375	0.360	0.000	7.112	34.150	78.680
%RSD		0.804	22.220	8.746	8.259	0.000	1.032	0.206	0.482
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:20:00	783.400	677.400	0.000	3018.000	34860.000	34530.000	108.168%	-0.345
2	04:20:43	777.600	670.600	0.000	2915.000	34960.000	34830.000	108.178%	-0.277
3	04:21:26	774.500	662.100	0.000	2901.000	34280.000	34770.000	107.393%	-0.253
x		778.500	670.000	0.000	2945.000	34700.000	34710.000	107.913%	-0.292
σ		4.540	7.683	0.000	63.820	362.800	162.500	0.451%	0.048
%RSD		0.583	1.147	0.000	2.167	1.046	0.468	0.418	16.350
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:20:00	0.186	0.268	2132.000	5514.000	5584.000	30.800	4.909	22.470
2	04:20:43	0.113	0.274	2160.000	5554.000	5649.000	30.590	5.303	22.930
3	04:21:26	-0.135	0.288	2164.000	5543.000	5610.000	30.310	4.616	22.540
x		0.055	0.277	2152.000	5537.000	5614.000	30.570	4.943	22.650
σ		0.168	0.010	17.380	20.620	33.030	0.243	0.345	0.252
%RSD		305.800	3.740	0.808	0.372	0.588	0.796	6.976	1.112
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:20:00	23.610	914.700	917.800	0.548	1.223	1.646	0.000	155.900
2	04:20:43	22.790	912.400	919.700	0.113	1.122	1.220	0.000	156.300
3	04:21:26	23.180	913.800	921.300	-0.401	0.530	0.922	0.000	156.400
x		23.190	913.600	919.600	0.087	0.958	1.262	0.000	156.200
σ		0.410	1.149	1.725	0.475	0.375	0.364	0.000	0.275
%RSD		1.766	0.126	0.188	548.700	39.080	28.830	0.000	0.176
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:20:00	0.000	1.094	0.950	105.941%	0.013	-0.004	1.133	1.020
2	04:20:43	0.000	0.600	0.690	106.190%	-0.003	0.003	1.143	1.033
3	04:21:26	0.000	0.547	0.506	106.820%	-0.007	-0.004	1.023	0.954
x		0.000	0.747	0.715	106.317%	0.001	-0.002	1.100	1.003
σ		0.000	0.301	0.223	0.453%	0.011	0.004	0.066	0.042
%RSD		0.000	40.340	31.150	0.426	820.100	270.800	6.028	4.216
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:20:00	107.992%	0.252	0.357	0.439	2.166	1.886	0.000	0.000
2	04:20:43	108.899%	0.179	0.379	0.343	1.600	1.846	0.000	0.000
3	04:21:26	108.991%	0.093	0.294	0.296	1.606	1.853	0.000	0.000
x		108.627%	0.175	0.343	0.359	1.791	1.861	0.000	0.000
σ		0.552%	0.080	0.044	0.073	0.325	0.021	0.000	0.000
%RSD		0.508	45.720	12.930	20.330	18.160	1.148	0.000	0.000
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:20:00	0.066	0.063	0.350	0.377	0.359	120.192%		
2	04:20:43	0.077	0.064	0.388	0.416	0.409	109.194%		
3	04:21:26	0.041	0.066	0.408	0.429	0.427	107.042%		
x		0.061	0.064	0.382	0.408	0.398	112.143%		
σ		0.019	0.001	0.029	0.027	0.036	7.054%		
%RSD		30.610	2.023	7.723	6.732	8.931	6.290		

L9TLR 11/24/2010 4:23:37 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:24:20	109.279%	0.968	28.450	26.820	0.000	24060.000	86410.000	83840.000
2	04:25:03	109.010%	1.303	26.160	26.510	0.000	23930.000	86460.000	83000.000
3	04:25:46	109.739%	1.020	26.970	27.070	0.000	24040.000	87050.000	82640.000
x		109.343%	1.097	27.190	26.800	0.000	24010.000	86640.000	83160.000
σ		0.368%	0.180	1.161	0.282	0.000	72.480	357.500	613.900
%RSD		0.337	16.440	4.270	1.051	0.000	0.302	0.413	0.738
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:24:20	2501.000	9934.000	0.000	13890.000	207200.000	219900.000	103.657%	1.694
2	04:25:03	2490.000	9859.000	0.000	13810.000	206100.000	220300.000	103.687%	1.812
3	04:25:46	2464.000	9745.000	0.000	13940.000	209600.000	223200.000	100.830%	1.972
x		2485.000	9846.000	0.000	13880.000	207600.000	221100.000	102.725%	1.826
σ		18.850	95.210	0.000	64.820	1811.000	1803.000	1.641%	0.139
%RSD		0.758	0.967	0.000	0.467	0.872	0.815	1.597	7.637
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:24:20	0.397	2.550	24490.000	111000.000	111400.000	589.300	68.480	271.500
2	04:25:03	0.161	2.343	24280.000	110600.000	111200.000	588.200	68.140	274.000
3	04:25:46	1.564	2.401	24720.000	112200.000	112600.000	600.300	71.040	277.700
x		0.708	2.431	24500.000	111200.000	111700.000	592.600	69.220	274.400
σ		0.751	0.107	218.600	829.500	759.400	6.685	1.586	3.114
%RSD		106.200	4.409	0.892	0.746	0.680	1.128	2.292	1.135
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:24:20	277.900	21330.000	21660.000	0.972	2.525	8.512	0.000	718.400
2	04:25:03	278.700	21400.000	21720.000	2.678	2.111	8.927	0.000	724.900
3	04:25:46	285.100	21670.000	22100.000	1.195	2.138	7.321	0.000	726.600
x		280.600	21470.000	21830.000	1.615	2.258	8.253	0.000	723.300
σ		3.971	176.600	242.000	0.927	0.231	0.834	0.000	4.305
%RSD		1.415	0.823	1.109	57.420	10.240	10.100	0.000	0.595
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:24:20	0.000	0.798	0.863	99.845%	0.009	0.003	7.570	7.241
2	04:25:03	0.000	0.806	0.628	98.780%	0.025	-0.005	7.882	7.467
3	04:25:46	0.000	0.511	0.538	99.196%	-0.003	0.009	8.156	7.248
x		0.000	0.705	0.677	99.274%	0.010	0.002	7.869	7.319
σ		0.000	0.168	0.168	0.537%	0.014	0.007	0.293	0.128
%RSD		0.000	23.800	24.800	0.540	138.900	300.500	3.729	1.752
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:24:20	103.716%	0.962	0.536	0.613	22.840	23.330	0.000	0.000
2	04:25:03	104.717%	0.752	0.420	0.461	22.210	22.780	0.000	0.000
3	04:25:46	105.228%	0.747	0.278	0.306	22.390	22.150	0.000	0.000
x		104.554%	0.820	0.411	0.460	22.480	22.760	0.000	0.000
σ		0.769%	0.123	0.129	0.154	0.324	0.590	0.000	0.000
%RSD		0.736	14.940	31.370	33.400	1.439	2.594	0.000	0.000
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:24:20	0.219	0.220	3.234	2.841	3.073	101.949%		
2	04:25:03	0.265	0.244	3.116	2.952	3.038	103.349%		
3	04:25:46	0.248	0.229	3.130	2.950	3.010	103.583%		
x		0.244	0.231	3.160	2.914	3.041	102.960%		
σ		0.023	0.012	0.065	0.063	0.032	0.884%		
%RSD		9.532	5.393	2.047	2.173	1.038	0.858		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:28:38	114.587%	0.141	5.994	4.480	0.000	2378.000	8495.000	8336.000
2	04:29:21	111.805%	0.114	5.238	4.697	0.000	2416.000	8631.000	8422.000
3	04:30:04	113.238%	0.098	4.816	4.519	0.000	2389.000	8546.000	8338.000
x		113.210%	0.118	5.349	4.565	0.000	2394.000	8557.000	8366.000
σ		1.391%	0.022	0.597	0.116	0.000	19.190	68.440	48.860
%RSD		1.229	18.440	11.160	2.537	0.000	0.801	0.800	0.584
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:28:38	254.400	1052.000	0.000	1396.000	21000.000	20960.000	107.576%	-0.185
2	04:29:21	256.300	1040.000	0.000	1381.000	20960.000	20980.000	106.148%	-0.205
3	04:30:04	252.400	1037.000	0.000	1394.000	21030.000	21010.000	107.123%	-0.139
x		254.400	1043.000	0.000	1391.000	21000.000	20980.000	106.949%	-0.176
σ		1.948	7.919	0.000	8.028	35.390	29.300	0.729%	0.034
%RSD		0.766	0.759	0.000	0.577	0.169	0.140	0.682	19.300
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:28:38	0.054	0.268	2485.000	11270.000	11070.000	59.740	7.081	28.210
2	04:29:21	-0.375	0.192	2482.000	11230.000	11130.000	60.030	7.053	28.870
3	04:30:04	0.314	0.159	2470.000	11220.000	11130.000	60.320	7.279	28.900
x		-0.002	0.206	2479.000	11240.000	11110.000	60.030	7.138	28.660
σ		0.348	0.056	7.825	22.960	31.760	0.291	0.123	0.387
%RSD		15720.000	27.110	0.316	0.204	0.286	0.484	1.726	1.349
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:28:38	28.700	2294.000	2323.000	0.009	0.570	1.404	0.000	70.650
2	04:29:21	29.730	2328.000	2352.000	0.349	0.680	1.508	0.000	70.730
3	04:30:04	30.140	2327.000	2335.000	-0.222	-0.278	1.034	0.000	71.390
x		29.520	2316.000	2337.000	0.045	0.324	1.315	0.000	70.920
σ		0.745	19.410	14.490	0.287	0.524	0.249	0.000	0.406
%RSD		2.524	0.838	0.620	637.000	161.700	18.920	0.000	0.572
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:28:38	0.000	0.130	0.116	107.355%	0.001	0.000	0.649	0.724
2	04:29:21	0.000	0.107	0.143	107.748%	-0.010	0.000	0.772	0.743
3	04:30:04	0.000	0.153	0.075	107.614%	0.000	-0.007	0.886	0.745
x		0.000	0.130	0.111	107.572%	-0.003	-0.002	0.769	0.737
σ		0.000	0.023	0.035	0.200%	0.006	0.004	0.118	0.012
%RSD		0.000	17.430	30.990	0.186	223.300	183.100	15.410	1.580
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:28:38	110.841%	-0.027	0.021	0.023	2.282	2.471	0.000	0.000
2	04:29:21	111.232%	-0.088	0.012	0.031	2.160	2.205	0.000	0.000
3	04:30:04	111.231%	-0.040	0.017	-0.001	2.283	2.209	0.000	0.000
x		111.101%	-0.051	0.017	0.018	2.242	2.295	0.000	0.000
σ		0.225%	0.032	0.004	0.016	0.071	0.153	0.000	0.000
%RSD		0.203	62.530	25.250	93.380	3.146	6.644	0.000	0.000
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:28:38	0.047	0.036	0.321	0.254	0.281	101.903%		
2	04:29:21	0.050	0.036	0.284	0.291	0.275	104.572%		
3	04:30:04	0.026	0.036	0.270	0.271	0.277	105.865%		
x		0.041	0.036	0.292	0.272	0.278	104.113%		
σ		0.013	0.000	0.026	0.018	0.003	2.020%		
%RSD		31.210	0.617	9.038	6.771	1.168	1.940		

L9TL2 11/24/2010 4:32:14 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:32:57	115.353%	0.297	5.019	4.929	0.000	3674.000	15630.000	15030.000
2	04:33:40	112.168%	0.366	4.970	5.303	0.000	3685.000	15780.000	15210.000
3	04:34:23	110.731%	0.317	4.076	5.058	0.000	3692.000	15620.000	15120.000
x		112.751%	0.327	4.688	5.097	0.000	3684.000	15680.000	15120.000
σ		2.366%	0.036	0.531	0.190	0.000	9.093	92.340	85.450
%RSD		2.098	10.900	11.320	3.726	0.000	0.247	0.589	0.565
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:32:57	242.400	3932.000	0.000	4787.000	75890.000	77090.000	97.381%	0.448
2	04:33:40	250.100	3987.000	0.000	4825.000	76680.000	77350.000	95.591%	0.644
3	04:34:23	248.200	3864.000	0.000	4826.000	77510.000	77980.000	93.417%	0.618
x		246.900	3928.000	0.000	4813.000	76690.000	77470.000	95.463%	0.570
σ		4.019	61.410	0.000	22.080	810.700	458.700	1.985%	0.106
%RSD		1.628	1.563	0.000	0.459	1.057	0.592	2.079	18.640
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:32:57	-0.225	2.386	1679.000	106.400	536.300	24.380	5.992	47.090
2	04:33:40	0.775	2.357	1654.000	81.980	500.900	24.500	6.542	48.190
3	04:34:23	-0.199	2.212	1648.000	74.110	473.600	24.650	6.785	47.460
x		0.117	2.318	1660.000	87.500	503.600	24.510	6.440	47.580
σ		0.570	0.093	16.670	16.840	31.460	0.132	0.406	0.562
%RSD		488.100	4.010	1.004	19.250	6.247	0.540	6.312	1.181
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:32:57	47.840	319.300	321.500	0.302	0.606	5.001	0.000	179.100
2	04:33:40	48.660	324.300	330.100	0.944	0.761	5.023	0.000	176.900
3	04:34:23	49.620	326.800	330.700	0.002	-0.368	5.583	0.000	179.600
x		48.700	323.500	327.400	0.416	0.333	5.203	0.000	178.500
σ		0.891	3.832	5.146	0.481	0.612	0.330	0.000	1.440
%RSD		1.829	1.185	1.572	115.700	183.900	6.342	0.000	0.806
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:32:57	0.000	0.116	0.190	98.327%	0.005	-0.009	2.206	1.632
2	04:33:40	0.000	0.152	0.125	97.954%	-0.003	0.003	2.209	1.776
3	04:34:23	0.000	0.134	0.178	97.426%	-0.007	0.006	2.095	1.612
x		0.000	0.134	0.165	97.902%	-0.002	-0.000	2.170	1.673
σ		0.000	0.018	0.035	0.453%	0.006	0.008	0.065	0.089
%RSD		0.000	13.510	21.030	0.463	304.700	25760.000	3.004	5.345
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:32:57	103.894%	0.453	0.123	0.132	24.980	24.760	0.000	0.000
2	04:33:40	103.624%	0.356	0.114	0.112	24.100	24.100	0.000	0.000
3	04:34:23	102.445%	0.434	0.095	0.125	25.100	25.440	0.000	0.000
x		103.321%	0.414	0.111	0.123	24.730	24.770	0.000	0.000
σ		0.771%	0.051	0.014	0.010	0.545	0.671	0.000	0.000
%RSD		0.746	12.320	12.860	8.286	2.203	2.710	0.000	0.000
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:32:57	0.247	0.234	0.132	0.180	0.157	104.094%		
2	04:33:40	0.222	0.224	0.158	0.174	0.158	105.901%		
3	04:34:23	0.222	0.228	0.164	0.175	0.164	106.237%		
x		0.230	0.229	0.151	0.176	0.160	105.410%		
σ		0.014	0.005	0.017	0.003	0.004	1.153%		
%RSD		6.277	2.020	11.480	1.789	2.368	1.093		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:37:16	116.179%	0.030	5.176	4.022	0.000	3630.000	16320.000	15730.000
2	04:37:59	114.191%	0.061	5.119	4.367	0.000	3741.000	16720.000	16030.000
3	04:38:42	113.622%	0.061	4.784	4.629	0.000	3706.000	16550.000	15990.000
x		114.664%	0.051	5.026	4.339	0.000	3692.000	16530.000	15920.000
σ		1.342%	0.018	0.212	0.305	0.000	56.980	197.100	164.700
%RSD		1.171	35.190	4.212	7.021	0.000	1.543	1.192	1.035
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:37:16	2.469	3686.000	0.000	4846.000	82690.000	84890.000	97.686%	0.341
2	04:37:59	2.544	3675.000	0.000	4897.000	83550.000	85290.000	95.755%	0.865
3	04:38:42	2.564	3689.000	0.000	4912.000	84780.000	85330.000	96.487%	0.679
x		2.526	3683.000	0.000	4885.000	83670.000	85170.000	96.643%	0.628
σ		0.050	7.714	0.000	34.920	1051.000	241.000	0.975%	0.265
%RSD		1.972	0.209	0.000	0.715	1.256	0.283	1.009	42.220
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:37:16	0.051	2.548	258.200	17.600	456.200	0.741	0.791	1.406
2	04:37:59	0.590	2.768	263.600	16.720	456.300	0.778	0.871	1.317
3	04:38:42	0.903	2.818	260.600	15.830	436.800	0.830	0.808	1.416
x		0.514	2.711	260.800	16.720	449.800	0.783	0.823	1.380
σ		0.431	0.144	2.734	0.886	11.200	0.045	0.042	0.054
%RSD		83.750	5.309	1.048	5.299	2.490	5.750	5.125	3.936
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:37:16	1.849	89.830	93.030	0.211	-1.530	-0.424	0.000	169.100
2	04:37:59	1.776	91.030	89.970	0.880	-2.060	-0.233	0.000	169.200
3	04:38:42	1.686	92.950	92.850	0.186	-1.564	-0.075	0.000	170.800
x		1.770	91.270	91.950	0.425	-1.718	-0.244	0.000	169.700
σ		0.081	1.572	1.718	0.394	0.296	0.174	0.000	0.934
%RSD		4.593	1.722	1.868	92.560	17.260	71.500	0.000	0.550
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:37:16	109.933%	0.104	0.150	97.731%	-0.004	0.003	0.062	0.062
2	04:37:59	111.458%	0.108	0.112	97.207%	0.000	-0.005	0.002	0.042
3	04:38:42	110.211%	0.070	0.073	98.728%	-0.000	-0.006	0.025	0.065
x		110.534%	0.094	0.111	97.889%	-0.001	-0.003	0.030	0.057
σ		0.812%	0.021	0.038	0.773%	0.003	0.005	0.030	0.012
%RSD		0.734	21.950	34.320	0.789	174.900	188.600	101.300	21.940
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:37:16	103.404%	0.514	0.107	0.071	34.330	33.500	106.910%	107.238%
2	04:37:59	103.179%	0.466	0.061	0.096	34.080	33.210	108.354%	108.027%
3	04:38:42	104.912%	0.387	0.052	0.089	33.940	33.680	109.931%	109.497%
x		103.831%	0.455	0.073	0.085	34.120	33.460	108.398%	108.254%
σ		0.942%	0.064	0.030	0.013	0.195	0.235	1.511%	1.146%
%RSD		0.907	14.080	40.400	14.940	0.570	0.703	1.394	1.059
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:37:16	0.057	0.032	-0.001	-0.002	-0.006	102.376%		
2	04:37:59	0.043	0.034	0.002	-0.005	-0.013	103.991%		
3	04:38:42	0.046	0.037	0.001	0.015	-0.004	105.025%		
x		0.049	0.034	0.000	0.003	-0.008	103.797%		
σ		0.007	0.002	0.002	0.011	0.005	1.335%		
%RSD		14.950	7.227	466.300	368.400	63.400	1.286		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:44:30	115.393%	0.038	13.650	13.980	0.000	10200.000	8857.000	8579.000
2	04:45:13	114.453%	0.016	15.270	13.830	0.000	10390.000	9003.000	8707.000
3	04:45:56	113.642%	0.001	15.430	13.510	0.000	10430.000	9093.000	8718.000
x		114.496%	0.018	14.780	13.770	0.000	10340.000	8984.000	8668.000
σ		0.876%	0.018	0.981	0.244	0.000	124.400	119.300	77.370
%RSD		0.765	102.000	6.635	1.772	0.000	1.203	1.328	0.893

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:44:30	12.760	834.800	0.000	328.400	22810.000	22330.000	98.939%	-0.062
2	04:45:13	12.550	832.300	0.000	324.700	22720.000	22800.000	97.631%	-0.206
3	04:45:56	12.560	857.100	0.000	325.000	22130.000	22470.000	98.406%	-0.357
x		12.620	841.400	0.000	326.000	22550.000	22540.000	98.325%	-0.208
σ		0.121	13.650	0.000	2.048	366.900	242.100	0.658%	0.148
%RSD		0.962	1.622	0.000	0.628	1.627	1.074	0.669	70.930

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:44:30	0.432	-0.246	12.620	6.695	118.100	1.429	2.418	1.934
2	04:45:13	-0.585	-0.366	12.950	7.373	121.000	1.357	2.574	2.208
3	04:45:56	0.310	-0.341	13.020	8.392	127.700	1.433	2.368	2.127
x		0.052	-0.318	12.860	7.487	122.300	1.406	2.454	2.090
σ		0.555	0.063	0.210	0.854	4.905	0.043	0.107	0.141
%RSD		1060.000	19.950	1.631	11.410	4.012	3.035	4.367	6.726

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:44:30	2.254	1.844	2.144	0.809	0.078	0.024	0.000	190.500
2	04:45:13	2.482	1.693	1.831	0.314	-0.208	0.647	0.000	193.200
3	04:45:56	2.234	1.834	1.911	0.376	0.454	-0.158	0.000	191.900
x		2.324	1.790	1.962	0.500	0.108	0.171	0.000	191.900
σ		0.138	0.085	0.162	0.270	0.332	0.422	0.000	1.345
%RSD		5.921	4.724	8.275	54.030	306.600	246.800	0.000	0.701

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:44:30	104.475%	0.380	0.541	101.759%	0.019	0.036	0.007	-0.005
2	04:45:13	103.642%	0.446	0.558	100.864%	0.020	0.021	-0.111	-0.075
3	04:45:56	104.033%	0.581	0.583	101.602%	0.023	0.014	-0.050	-0.022
x		104.050%	0.469	0.561	101.408%	0.021	0.024	-0.051	-0.034
σ		0.416%	0.102	0.021	0.478%	0.002	0.011	0.059	0.037
%RSD		0.400	21.810	3.755	0.471	10.770	46.090	115.200	108.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:44:30	105.253%	-0.318	0.292	0.211	55.440	54.780	108.358%	108.117%
2	04:45:13	106.043%	-0.321	0.291	0.259	54.740	53.920	108.962%	109.307%
3	04:45:56	105.728%	-0.299	0.292	0.271	54.410	54.750	109.373%	108.913%
x		105.675%	-0.313	0.291	0.247	54.860	54.490	108.898%	108.779%
σ		0.398%	0.012	0.000	0.032	0.525	0.488	0.511%	0.606%
%RSD		0.377	3.775	0.138	12.940	0.958	0.896	0.469	0.557

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	04:44:30	-0.003	0.002	-0.005	-0.003	-0.014	99.698%
2	04:45:13	0.008	0.002	-0.012	-0.022	-0.018	100.262%
3	04:45:56	0.003	0.001	-0.016	-0.016	-0.022	100.501%
x		0.003	0.001	-0.011	-0.014	-0.018	100.154%
σ		0.005	0.001	0.005	0.010	0.004	0.412%
%RSD		180.100	52.520	48.060	69.380	22.460	0.411

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:48:50	117.084%	0.015	4.188	4.044	0.000	1956.000	1698.000	1669.000
2	04:49:33	118.726%	0.000	3.609	3.328	0.000	1934.000	1701.000	1672.000
3	04:50:16	116.687%	0.008	3.713	3.716	0.000	1905.000	1704.000	1666.000
x		117.499%	0.008	3.837	3.696	0.000	1932.000	1701.000	1669.000
σ		1.081%	0.007	0.308	0.358	0.000	25.270	2.973	3.169
%RSD		0.920	95.210	8.036	9.692	0.000	1.308	0.175	0.190
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:48:50	1.789	163.300	0.000	61.060	4369.000	4351.000	102.974%	-0.410
2	04:49:33	1.779	162.200	0.000	58.690	4556.000	4364.000	101.687%	-0.337
3	04:50:16	1.673	158.800	0.000	58.630	4423.000	4311.000	101.284%	-0.360
x		1.747	161.500	0.000	59.460	4449.000	4342.000	101.982%	-0.369
σ		0.065	2.348	0.000	1.388	96.210	27.580	0.883%	0.037
%RSD		3.706	1.454	0.000	2.335	2.162	0.635	0.865	10.090
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:48:50	0.362	-0.024	2.560	11.900	32.540	0.260	0.292	0.184
2	04:49:33	0.282	-0.072	2.474	6.630	24.740	0.246	0.350	0.163
3	04:50:16	-0.204	-0.045	2.455	4.472	23.180	0.309	0.434	0.229
x		0.146	-0.047	2.496	7.669	26.820	0.272	0.359	0.192
σ		0.306	0.024	0.056	3.823	5.016	0.033	0.071	0.034
%RSD		208.800	50.690	2.252	49.860	18.700	12.210	19.810	17.690
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:48:50	0.464	-0.158	0.010	0.021	0.152	0.110	0.000	37.160
2	04:49:33	0.452	-0.200	-0.240	-0.030	0.194	0.350	0.000	37.600
3	04:50:16	0.421	-0.284	-0.319	-0.113	-0.113	0.465	0.000	37.650
x		0.445	-0.214	-0.183	-0.041	0.078	0.309	0.000	37.470
σ		0.022	0.064	0.172	0.067	0.166	0.181	0.000	0.272
%RSD		5.016	30.110	93.820	165.200	214.400	58.670	0.000	0.726
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:48:50	103.999%	0.405	0.444	102.036%	0.002	0.002	-0.052	-0.025
2	04:49:33	104.496%	0.337	0.362	102.166%	-0.006	0.007	0.008	0.003
3	04:50:16	104.772%	0.269	0.331	102.880%	0.007	-0.002	-0.079	-0.038
x		104.423%	0.337	0.379	102.361%	0.001	0.002	-0.041	-0.020
σ		0.392%	0.068	0.058	0.455%	0.007	0.004	0.045	0.021
%RSD		0.375	20.100	15.330	0.444	755.200	187.400	109.700	106.300
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:48:50	105.502%	-0.222	0.033	0.038	10.480	10.400	106.914%	105.813%
2	04:49:33	106.583%	-0.204	0.045	0.036	10.150	10.730	107.798%	107.027%
3	04:50:16	105.999%	-0.232	0.035	0.018	10.090	10.560	107.492%	107.932%
x		106.028%	-0.220	0.038	0.031	10.240	10.560	107.402%	106.924%
σ		0.541%	0.014	0.006	0.011	0.212	0.169	0.449%	1.063%
%RSD		0.510	6.403	16.030	35.390	2.076	1.597	0.418	0.994
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:48:50	0.008	0.005	-0.013	-0.022	-0.022	102.525%		
2	04:49:33	0.003	0.004	-0.018	-0.024	-0.023	103.812%		
3	04:50:16	0.000	0.002	-0.019	-0.031	-0.028	103.909%		
x		0.004	0.004	-0.016	-0.025	-0.024	103.415%		
σ		0.004	0.001	0.003	0.005	0.003	0.772%		
%RSD		102.000	31.190	20.240	18.060	14.180	0.747		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:53:10	109.788%	47.310	876.600	857.700	0.000	9797.000	8407.000	8214.000
2	04:53:53	108.713%	45.120	864.600	854.300	0.000	9938.000	8512.000	8296.000
3	04:54:36	107.680%	47.190	885.700	867.400	0.000	9997.000	8562.000	8371.000
x		108.727%	46.540	875.600	859.800	0.000	9911.000	8494.000	8293.000
σ		1.054%	1.230	10.580	6.802	0.000	102.400	79.230	78.360
%RSD		0.969	2.643	1.209	0.791	0.000	1.033	0.933	0.945
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:53:10	2043.000	9646.000	0.000	301.900	20940.000	21190.000	101.296%	909.900
2	04:53:53	2063.000	9719.000	0.000	314.100	21670.000	22040.000	97.986%	933.600
3	04:54:36	2096.000	9777.000	0.000	312.000	22230.000	22190.000	97.576%	944.900
x		2067.000	9714.000	0.000	309.300	21610.000	21810.000	98.953%	929.500
σ		26.480	65.980	0.000	6.498	650.200	537.300	2.040%	17.840
%RSD		1.281	0.679	0.000	2.100	3.008	2.464	2.061	1.919
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:53:10	473.900	188.700	490.700	912.300	1007.000	482.100	486.800	251.200
2	04:53:53	489.700	190.200	505.700	969.000	1061.000	491.400	496.900	257.700
3	04:54:36	492.100	192.100	506.900	981.200	1073.000	495.000	498.000	256.700
x		485.200	190.300	501.100	954.200	1047.000	489.500	493.900	255.200
σ		9.922	1.686	9.045	36.790	35.360	6.680	6.156	3.526
%RSD		2.045	0.886	1.805	3.855	3.377	1.365	1.246	1.382
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:53:10	255.200	543.000	544.800	41.420	11.820	10.730	0.000	1166.000
2	04:53:53	261.400	550.700	550.800	41.720	10.860	12.630	0.000	1211.000
3	04:54:36	255.900	554.300	551.200	42.600	11.880	12.490	0.000	1210.000
x		257.500	549.300	548.900	41.910	11.520	11.950	0.000	1196.000
σ		3.405	5.795	3.570	0.613	0.575	1.059	0.000	25.590
%RSD		1.322	1.055	0.650	1.461	4.993	8.867	0.000	2.140
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:53:10	101.668%	675.300	678.400	98.197%	47.310	46.740	53.110	49.530
2	04:53:53	101.172%	791.800	790.000	98.567%	47.680	48.540	52.750	48.350
3	04:54:36	101.438%	867.600	872.600	98.358%	47.210	49.800	52.250	48.000
x		101.426%	778.200	780.400	98.374%	47.400	48.360	52.700	48.630
σ		0.248%	96.880	97.470	0.186%	0.250	1.537	0.432	0.799
%RSD		0.245	12.450	12.490	0.189	0.528	3.178	0.820	1.643
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:53:10	101.316%	1981.000	515.200	518.400	2064.000	2072.000	106.187%	105.954%
2	04:53:53	101.488%	1997.000	516.900	519.000	2052.000	2073.000	106.474%	106.182%
3	04:54:36	101.238%	2002.000	518.300	519.500	2063.000	2082.000	106.596%	106.547%
x		101.347%	1993.000	516.800	519.000	2060.000	2076.000	106.419%	106.228%
σ		0.128%	10.560	1.562	0.559	6.574	5.490	0.210%	0.299%
%RSD		0.126	0.530	0.302	0.108	0.319	0.265	0.197	0.282
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:53:10	55.350	55.150	21.300	23.100	22.220	100.279%		
2	04:53:53	54.460	54.900	21.380	23.160	22.350	101.804%		
3	04:54:36	54.340	55.210	21.460	22.950	22.070	102.520%		
x		54.720	55.090	21.380	23.070	22.210	101.534%		
σ		0.554	0.165	0.080	0.106	0.142	1.145%		
%RSD		1.013	0.300	0.373	0.458	0.640	1.127		

L99WTDF 11/24/2010 4:56:48 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:57:31	109.255%	49.190	905.100	907.300	0.000	9905.000	8456.000	8316.000
2	04:58:14	108.263%	47.770	942.200	912.200	0.000	9958.000	8553.000	8352.000
3	04:58:57	109.078%	48.550	919.000	902.500	0.000	9852.000	8457.000	8324.000
X		108.865%	48.500	922.100	907.300	0.000	9905.000	8489.000	8331.000
σ		0.529%	0.713	18.720	4.831	0.000	52.850	55.400	18.850
%RSD		0.486	1.470	2.030	0.532	0.000	0.534	0.653	0.226
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:57:31	2157.000	10180.000	0.000	310.600	21880.000	21710.000	97.264%	964.500
2	04:58:14	2182.000	10130.000	0.000	316.900	21860.000	21930.000	96.715%	976.800
3	04:58:57	2162.000	10180.000	0.000	317.800	22180.000	22070.000	95.729%	971.300
X		2167.000	10170.000	0.000	315.100	21970.000	21900.000	96.569%	970.800
σ		13.170	27.350	0.000	3.908	181.200	177.400	0.777%	6.184
%RSD		0.608	0.269	0.000	1.241	0.825	0.810	0.805	0.637
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:57:31	498.200	199.400	521.200	1008.000	1118.000	504.300	512.900	264.300
2	04:58:14	505.100	199.800	524.200	1032.000	1122.000	507.900	512.700	264.400
3	04:58:57	505.500	198.700	519.200	1029.000	1125.000	507.800	516.800	261.800
X		502.900	199.300	521.500	1023.000	1121.000	506.700	514.100	263.500
σ		4.121	0.539	2.486	12.880	3.476	2.056	2.345	1.517
%RSD		0.819	0.270	0.477	1.259	0.310	0.406	0.456	0.576
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:57:31	265.500	557.200	568.000	43.120	12.090	12.260	0.000	1175.000
2	04:58:14	266.500	566.100	561.400	42.550	11.410	12.110	0.000	1210.000
3	04:58:57	266.600	568.700	569.700	44.370	11.960	11.970	0.000	1169.000
X		266.200	564.000	566.400	43.350	11.820	12.110	0.000	1185.000
σ		0.610	6.031	4.404	0.930	0.361	0.145	0.000	22.210
%RSD		0.229	1.069	0.778	2.145	3.056	1.196	0.000	1.875
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:57:31	102.628%	840.100	850.500	97.051%	45.930	42.560	53.630	51.040
2	04:58:14	103.037%	915.500	921.400	97.595%	46.090	46.160	54.240	49.280
3	04:58:57	103.008%	949.700	956.200	97.265%	43.550	45.450	54.760	49.140
X		102.891%	901.800	909.400	97.304%	45.190	44.720	54.210	49.820
σ		0.228%	56.080	53.910	0.274%	1.421	1.907	0.561	1.062
%RSD		0.222	6.219	5.928	0.282	3.144	4.263	1.035	2.132
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:57:31	99.891%	2050.000	530.800	533.800	2149.000	2148.000	103.190%	102.964%
2	04:58:14	101.222%	2032.000	524.900	527.800	2114.000	2128.000	105.218%	104.994%
3	04:58:57	101.106%	2047.000	526.700	525.400	2123.000	2135.000	105.714%	104.804%
X		100.740%	2043.000	527.400	529.000	2129.000	2137.000	104.707%	104.254%
σ		0.737%	9.285	3.026	4.343	18.020	9.858	1.337%	1.121%
%RSD		0.732	0.455	0.574	0.821	0.846	0.461	1.277	1.075
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	04:57:31	55.110	55.670	21.350	23.680	22.490	99.785%		
2	04:58:14	55.720	55.800	21.150	22.840	22.400	100.930%		
3	04:58:57	55.990	55.690	21.700	23.200	22.350	101.435%		
X		55.610	55.720	21.400	23.240	22.410	100.716%		
σ		0.451	0.068	0.280	0.425	0.070	0.846%		
%RSD		0.811	0.122	1.308	1.829	0.313	0.840		

L99WVF 11/24/2010 5:04:47 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:05:30	110.340%	-0.006	9.082	8.856	0.000	10010.000	4969.000	4910.000
2	05:06:13	111.790%	0.001	8.901	8.027	0.000	10030.000	5016.000	4863.000
3	05:06:56	111.960%	0.016	7.611	7.350	0.000	9947.000	4989.000	4823.000
X		111.363%	0.004	8.532	8.078	0.000	9996.000	4991.000	4866.000
σ		0.890%	0.012	0.802	0.754	0.000	44.960	23.470	43.310
%RSD		0.800	309.100	9.401	9.339	0.000	0.450	0.470	0.890
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:05:30	-1.061	9.813	0.000	3.908	10610.000	10510.000	97.135%	0.223
2	05:06:13	-1.093	9.177	0.000	4.081	10410.000	10550.000	96.362%	-0.050
3	05:06:56	-1.223	10.790	0.000	3.445	10610.000	10550.000	96.242%	0.102
X		-1.126	9.926	0.000	3.811	10540.000	10540.000	96.580%	0.092
σ		0.085	0.812	0.000	0.329	113.500	21.140	0.485%	0.137
%RSD		7.589	8.182	0.000	8.623	1.076	0.201	0.502	149.600
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:05:30	0.387	-0.233	0.303	-3.755	58.420	0.025	0.087	-0.146
2	05:06:13	-0.133	-0.328	0.369	-3.154	57.390	0.034	0.123	-0.087
3	05:06:56	0.126	-0.281	0.357	-3.099	53.020	0.044	0.049	-0.074
X		0.127	-0.281	0.343	-3.336	56.270	0.034	0.086	-0.102
σ		0.260	0.047	0.035	0.364	2.865	0.009	0.037	0.039
%RSD		204.600	16.850	10.230	10.910	5.092	27.260	42.560	37.720
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:05:30	0.101	-0.101	-0.054	-0.085	0.191	-0.601	0.000	7.774
2	05:06:13	0.102	-0.099	-0.121	-0.015	0.059	-0.181	0.000	7.614
3	05:06:56	0.113	0.030	-0.169	-0.022	0.457	-0.213	0.000	7.710
X		0.105	-0.057	-0.114	-0.041	0.236	-0.332	0.000	7.699
σ		0.007	0.075	0.057	0.039	0.203	0.234	0.000	0.081
%RSD		6.540	132.200	50.150	94.960	86.070	70.540	0.000	1.051
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:05:30	101.379%	11.220	11.700	99.247%	0.003	0.001	-0.031	-0.020
2	05:06:13	101.839%	11.120	11.400	99.701%	0.009	-0.002	-0.115	-0.084
3	05:06:56	101.664%	10.370	10.580	98.848%	-0.000	0.008	-0.049	-0.039
X		101.627%	10.900	11.230	99.265%	0.004	0.002	-0.065	-0.048
σ		0.232%	0.466	0.580	0.427%	0.005	0.005	0.044	0.033
%RSD		0.229	4.271	5.162	0.430	116.500	197.100	67.930	68.500
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:05:30	103.169%	1.787	0.052	0.094	0.432	0.444	105.469%	104.172%
2	05:06:13	103.279%	1.611	0.099	0.090	0.559	0.500	105.097%	104.731%
3	05:06:56	103.754%	1.480	0.076	0.093	0.255	0.475	105.706%	105.022%
X		103.401%	1.626	0.076	0.092	0.415	0.473	105.424%	104.641%
σ		0.311%	0.154	0.023	0.002	0.152	0.028	0.307%	0.432%
%RSD		0.301	9.490	30.820	2.655	36.690	5.959	0.291	0.413
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:05:30	0.012	0.011	0.016	0.032	0.017	99.994%		
2	05:06:13	0.013	0.008	0.019	-0.011	0.012	101.086%		
3	05:06:56	0.020	0.003	0.020	0.019	0.020	100.759%		
X		0.015	0.007	0.018	0.013	0.016	100.613%		
σ		0.004	0.004	0.002	0.022	0.004	0.561%		
%RSD		29.840	59.190	10.910	163.900	24.170	0.557		

CCV1-9 11/24/2010 5:12:01 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:12:44	100.765%	97.310	101.400	96.270	0.000	47670.000	54820.000	54050.000
2	05:13:27	103.125%	95.280	95.290	93.330	0.000	47220.000	54890.000	53730.000
3	05:14:10	105.204%	93.700	94.510	92.390	0.000	47400.000	55400.000	54170.000
x		103.031%	95.428%	97.060%	93.996%	0.000	94.859%	110.071%	107.965%
σ		2.221%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		2.155	1.897	3.871	2.157	0.000	0.472	0.581	0.418

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:12:44	530.600	4986.000	0.000	49020.000	48020.000	48200.000	98.241%	94.900
2	05:13:27	527.300	4935.000	0.000	49510.000	48790.000	48360.000	97.907%	95.370
3	05:14:10	529.100	4965.000	0.000	49980.000	49480.000	49220.000	96.898%	100.200
x		105.796%	99.234%	0.000	99.003%	97.530%	97.183%	97.682%	96.820%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.699%	n/a
%RSD		0.312	0.513	0.000	0.967	1.492	1.127	0.716	3.031

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:12:44	93.430	93.030	478.900	23940.000	23530.000	93.780	94.710	95.470
2	05:13:27	96.510	94.940	483.800	24090.000	23890.000	95.970	96.570	96.370
3	05:14:10	95.890	96.650	487.200	24420.000	24450.000	97.010	96.640	98.680
x		95.277%	94.875%	96.653%	96.600%	95.818%	95.588%	95.975%	96.837%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.714	1.908	0.865	1.020	1.936	1.724	1.146	1.708

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:12:44	96.710	99.400	101.100	99.210	99.360	94.980	0.000	98.730
2	05:13:27	97.180	99.500	99.930	98.870	100.600	96.140	0.000	98.360
3	05:14:10	99.180	102.400	102.800	100.900	100.700	98.080	0.000	99.350
x		97.690%	100.444%	101.280%	99.656%	100.207%	96.401%	0.000	98.810%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		1.343	1.712	1.431	1.090	0.730	1.624	0.000	0.506

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:12:44	98.900%	93.410	94.690	93.711%	98.560	98.250	97.500	98.060
2	05:13:27	100.389%	100.400	99.810	95.253%	98.680	97.520	98.710	98.140
3	05:14:10	100.598%	101.800	103.000	96.407%	98.190	97.910	96.810	97.830
x		99.962%	98.541%	99.161%	95.124%	98.477%	97.895%	97.673%	98.010%
σ		0.926%	n/a	n/a	1.353%	n/a	n/a	n/a	n/a
%RSD		0.926	4.572	4.222	1.422	0.263	0.372	0.988	0.163

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:12:44	97.927%	99.640	98.180	97.850	96.840	97.510	101.544%	101.687%
2	05:13:27	99.631%	100.300	98.130	98.540	97.660	96.360	103.161%	103.205%
3	05:14:10	100.718%	98.860	99.320	99.340	99.000	98.050	104.941%	103.114%
x		99.426%	99.596%	98.544%	98.575%	97.833%	97.306%	103.215%	102.669%
σ		1.407%	n/a	n/a	n/a	n/a	n/a	1.699%	0.851%
%RSD		1.415	0.717	0.679	0.758	1.117	0.883	1.646	0.829

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	05:12:44	96.250	96.100	96.880	97.050	96.940	106.446%
2	05:13:27	97.330	98.210	98.470	98.840	99.250	106.090%
3	05:14:10	98.460	99.090	100.800	100.300	100.400	106.091%
x		97.348%	97.801%	98.717%	98.735%	98.872%	106.209%
σ		n/a	n/a	n/a	n/a	n/a	0.205%
%RSD		1.136	1.571	2.002	1.660	1.789	0.193

CCB9 11/24/2010 5:19:16 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:19:59	114.633%	0.001	4.017	3.974	0.000	-44.980	10.630	8.942
2	05:20:42	115.794%	0.023	4.010	3.775	0.000	-40.210	16.720	14.470
3	05:21:25	114.575%	0.038	3.203	3.466	0.000	-40.730	13.320	13.440
x		115.001%	0.020	3.743	3.738	0.000	-41.970	13.560	12.280
σ		0.688%	0.019	0.468	0.256	0.000	2.614	3.051	2.938
%RSD		0.598	91.220	12.500	6.842	0.000	6.229	22.500	23.920
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:19:59	0.121	-0.361	0.000	10.020	-1.830	-7.300	100.514%	-0.311
2	05:20:42	-0.039	0.736	0.000	15.250	13.650	-1.708	101.606%	-0.217
3	05:21:25	-0.054	0.510	0.000	12.330	37.610	-3.642	100.101%	-0.189
x		0.009	0.295	0.000	12.540	16.480	-4.217	100.740%	-0.239
σ		0.097	0.579	0.000	2.619	19.870	2.840	0.778%	0.064
%RSD		1030.000	196.300	0.000	20.890	120.600	67.350	0.772	26.890
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:19:59	0.036	-0.002	0.168	2.243	2.484	0.013	-0.061	-0.255
2	05:20:42	0.133	-0.035	0.257	2.457	0.981	0.044	-0.056	-0.257
3	05:21:25	0.217	-0.037	0.255	2.461	0.512	0.032	-0.043	-0.269
x		0.129	-0.025	0.227	2.387	1.326	0.030	-0.053	-0.260
σ		0.090	0.020	0.051	0.125	1.030	0.016	0.009	0.007
%RSD		70.120	80.030	22.470	5.227	77.690	52.650	17.700	2.810
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:19:59	-0.122	-0.489	-0.536	-0.036	0.928	0.139	0.000	0.046
2	05:20:42	-0.102	-0.454	-0.268	0.360	0.467	1.303	0.000	0.064
3	05:21:25	-0.117	-0.438	-0.300	-0.277	0.152	0.428	0.000	0.046
x		-0.114	-0.461	-0.368	0.016	0.516	0.623	0.000	0.052
σ		0.011	0.026	0.147	0.322	0.391	0.606	0.000	0.010
%RSD		9.259	5.744	39.810	2018.000	75.720	97.270	0.000	19.830
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:19:59	104.361%	1.906	1.815	103.187%	0.010	0.010	-0.007	-0.003
2	05:20:42	104.824%	1.805	1.806	103.504%	0.031	0.027	-0.090	-0.047
3	05:21:25	105.987%	1.688	1.755	103.884%	0.021	0.021	-0.005	0.013
x		105.057%	1.800	1.792	103.525%	0.021	0.019	-0.034	-0.012
σ		0.838%	0.109	0.033	0.349%	0.011	0.009	0.049	0.031
%RSD		0.797	6.074	1.823	0.337	52.760	46.080	142.900	250.100
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:19:59	106.321%	0.324	0.300	0.238	0.022	0.020	106.285%	105.308%
2	05:20:42	106.715%	0.404	0.229	0.230	0.021	0.085	107.632%	107.051%
3	05:21:25	106.574%	0.298	0.255	0.226	0.021	0.036	107.077%	107.478%
x		106.536%	0.342	0.261	0.231	0.021	0.047	106.998%	106.612%
σ		0.200%	0.055	0.036	0.006	0.000	0.034	0.677%	1.149%
%RSD		0.187	16.150	13.660	2.614	1.570	71.370	0.632	1.078
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:19:59	0.031	0.025	-0.013	0.029	0.013	102.850%		
2	05:20:42	0.043	0.036	0.007	0.030	0.022	104.543%		
3	05:21:25	0.027	0.023	0.026	0.021	0.028	106.005%		
x		0.034	0.028	0.007	0.027	0.021	104.466%		
σ		0.008	0.007	0.019	0.005	0.007	1.579%		
%RSD		24.010	26.470	291.600	18.740	35.440	1.512		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:24:22	114.387%	0.008	13.780	15.020	0.000	10060.000	7351.000	7264.000
2	05:25:05	112.752%	0.024	14.480	14.010	0.000	10130.000	7389.000	7288.000
3	05:25:48	115.346%	0.023	14.480	13.500	0.000	10060.000	7371.000	7286.000
x		114.162%	0.018	14.250	14.180	0.000	10080.000	7371.000	7279.000
σ		1.312%	0.009	0.403	0.774	0.000	36.610	19.110	12.960
%RSD		1.149	47.470	2.828	5.462	0.000	0.363	0.259	0.178
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:24:22	18.890	737.200	0.000	300.800	19850.000	19940.000	100.109%	-0.188
2	05:25:05	19.140	738.300	0.000	290.700	19840.000	19870.000	99.913%	-0.237
3	05:25:48	19.720	727.200	0.000	300.200	20270.000	20160.000	98.645%	-0.060
x		19.250	734.200	0.000	297.300	19990.000	19990.000	99.556%	-0.162
σ		0.425	6.133	0.000	5.656	244.500	150.500	0.795%	0.091
%RSD		2.207	0.835	0.000	1.903	1.223	0.753	0.798	56.380
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:24:22	0.000	-0.362	5.317	-0.222	111.700	0.468	0.907	0.623
2	05:25:05	0.313	-0.411	5.202	0.321	108.500	0.488	1.051	0.675
3	05:25:48	0.080	-0.340	5.296	0.450	116.000	0.532	0.968	0.537
x		0.131	-0.371	5.272	0.183	112.100	0.496	0.976	0.611
σ		0.162	0.036	0.061	0.357	3.773	0.033	0.072	0.070
%RSD		124.100	9.768	1.161	194.800	3.366	6.584	7.384	11.410
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:24:22	0.884	0.464	0.605	0.631	0.863	0.535	0.000	171.800
2	05:25:05	0.773	0.590	0.965	0.513	0.603	0.145	0.000	170.300
3	05:25:48	0.829	0.507	0.471	0.494	1.068	0.710	0.000	172.600
x		0.828	0.520	0.680	0.546	0.845	0.464	0.000	171.600
σ		0.055	0.064	0.256	0.074	0.233	0.289	0.000	1.180
%RSD		6.695	12.320	37.600	13.650	27.640	62.410	0.000	0.688
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:24:22	103.201%	1.620	1.804	99.433%	-0.000	0.006	-0.043	-0.026
2	05:25:05	104.379%	1.917	1.853	100.310%	0.004	-0.005	-0.052	-0.031
3	05:25:48	103.105%	2.000	1.895	101.094%	0.007	0.004	-0.132	-0.070
x		103.562%	1.846	1.851	100.279%	0.004	0.002	-0.075	-0.043
σ		0.710%	0.200	0.045	0.831%	0.004	0.006	0.049	0.024
%RSD		0.685	10.830	2.454	0.829	98.600	347.500	65.090	56.410
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:24:22	104.415%	0.117	0.471	0.443	39.160	38.110	106.520%	105.489%
2	05:25:05	105.054%	0.211	0.394	0.507	39.070	38.760	106.518%	105.920%
3	05:25:48	105.473%	0.168	0.424	0.476	38.040	38.540	106.524%	105.762%
x		104.981%	0.165	0.430	0.475	38.760	38.470	106.520%	105.724%
σ		0.533%	0.047	0.039	0.032	0.625	0.331	0.003%	0.218%
%RSD		0.508	28.400	9.107	6.752	1.613	0.862	0.003	0.206
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:24:22	0.042	0.012	0.007	0.012	0.012	101.872%		
2	05:25:05	-0.002	0.008	0.016	0.003	0.007	102.245%		
3	05:25:48	0.009	0.011	0.007	0.032	0.009	102.726%		
x		0.016	0.010	0.010	0.016	0.009	102.281%		
σ		0.023	0.002	0.005	0.015	0.003	0.428%		
%RSD		138.900	21.100	49.330	95.330	27.360	0.419		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:28:43	114.505%	0.001	23.000	22.700	0.000	10010.000	9033.000	8945.000
2	05:29:26	116.085%	-0.007	22.890	21.920	0.000	9904.000	9040.000	8805.000
3	05:30:09	113.800%	0.001	22.770	22.260	0.000	10010.000	9061.000	8934.000
x		114.797%	-0.002	22.890	22.290	0.000	9974.000	9045.000	8895.000
σ		1.170%	0.004	0.115	0.392	0.000	60.430	14.700	77.350
%RSD		1.019	262.200	0.501	1.759	0.000	0.606	0.163	0.870
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:28:43	7.414	847.100	0.000	375.400	24260.000	23550.000	100.583%	-0.262
2	05:29:26	7.360	836.200	0.000	375.700	23550.000	23690.000	99.728%	-0.163
3	05:30:09	6.765	841.900	0.000	372.800	23090.000	23860.000	99.319%	-0.211
x		7.180	841.700	0.000	374.700	23630.000	23700.000	99.877%	-0.212
σ		0.360	5.483	0.000	1.618	589.700	153.700	0.645%	0.050
%RSD		5.020	0.651	0.000	0.432	2.495	0.649	0.646	23.550
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:28:43	-0.115	-0.441	16.730	4.176	147.700	0.944	1.621	0.593
2	05:29:26	0.197	-0.410	16.760	4.045	153.400	0.935	1.346	0.646
3	05:30:09	-0.196	-0.383	17.290	4.180	136.500	0.947	1.342	0.509
x		-0.038	-0.411	16.930	4.134	145.900	0.942	1.436	0.583
σ		0.207	0.029	0.313	0.077	8.570	0.006	0.160	0.069
%RSD		545.300	7.035	1.848	1.862	5.875	0.672	11.140	11.840
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:28:43	0.877	0.642	0.365	0.481	0.970	0.232	0.000	203.600
2	05:29:26	0.978	0.632	1.148	0.408	0.042	0.787	0.000	201.400
3	05:30:09	0.765	0.508	0.977	0.583	0.669	0.482	0.000	200.100
x		0.873	0.594	0.830	0.491	0.560	0.500	0.000	201.700
σ		0.107	0.075	0.412	0.088	0.473	0.278	0.000	1.766
%RSD		12.220	12.560	49.650	17.840	84.490	55.540	0.000	0.876
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:28:43	102.792%	1.474	1.494	100.221%	-0.009	-0.005	-0.013	0.005
2	05:29:26	103.033%	1.642	1.597	100.520%	-0.003	0.001	-0.074	-0.042
3	05:30:09	104.560%	1.552	1.729	101.117%	-0.002	0.001	-0.147	-0.082
x		103.461%	1.556	1.607	100.619%	-0.005	-0.001	-0.078	-0.040
σ		0.959%	0.084	0.118	0.456%	0.004	0.003	0.067	0.043
%RSD		0.927	5.417	7.351	0.453	81.150	402.400	86.630	109.200
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:28:43	102.734%	0.130	0.232	0.263	75.770	76.940	104.645%	104.504%
2	05:29:26	104.200%	0.206	0.229	0.328	75.990	76.890	105.593%	105.527%
3	05:30:09	105.237%	0.123	0.260	0.286	76.050	75.360	107.521%	105.984%
x		104.057%	0.153	0.240	0.292	75.940	76.390	105.919%	105.338%
σ		1.258%	0.046	0.017	0.033	0.147	0.898	1.466%	0.758%
%RSD		1.209	30.080	7.071	11.330	0.194	1.175	1.384	0.719
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:28:43	0.004	0.003	0.006	-0.004	-0.000	101.312%		
2	05:29:26	0.011	0.005	0.008	-0.004	0.005	103.221%		
3	05:30:09	0.007	0.005	0.000	0.005	0.001	104.000%		
x		0.008	0.004	0.005	-0.001	0.002	102.844%		
σ		0.003	0.001	0.004	0.005	0.003	1.383%		
%RSD		43.410	27.950	82.050	480.400	135.600	1.345		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:33:05	115.121%	0.023	8.422	8.483	0.000	9914.000	5990.000	5906.000
2	05:33:48	114.846%	-0.014	7.237	7.644	0.000	9923.000	6038.000	5932.000
3	05:34:31	111.822%	0.016	8.697	7.894	0.000	10050.000	6124.000	6060.000
x		113.930%	0.008	8.119	8.007	0.000	9963.000	6051.000	5966.000
σ		1.831%	0.020	0.776	0.431	0.000	77.140	68.190	82.660
%RSD		1.607	234.900	9.555	5.384	0.000	0.774	1.127	1.386
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:33:05	79.010	637.700	0.000	270.500	14460.000	14270.000	100.466%	-0.286
2	05:33:48	79.010	630.300	0.000	269.700	14020.000	14140.000	100.322%	-0.238
3	05:34:31	80.540	640.000	0.000	272.000	14410.000	14400.000	100.216%	-0.237
x		79.520	636.000	0.000	270.700	14300.000	14270.000	100.335%	-0.254
σ		0.885	5.051	0.000	1.183	239.800	127.600	0.125%	0.028
%RSD		1.113	0.794	0.000	0.437	1.677	0.894	0.125	11.160
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:33:05	0.195	-0.305	2.305	1.138	77.030	0.082	0.292	0.483
2	05:33:48	0.167	-0.294	2.407	0.861	81.670	0.083	0.277	0.502
3	05:34:31	0.189	-0.277	2.392	1.248	77.490	0.074	0.249	0.409
x		0.184	-0.292	2.368	1.082	78.730	0.080	0.273	0.465
σ		0.014	0.014	0.055	0.200	2.558	0.005	0.022	0.049
%RSD		7.811	4.945	2.324	18.460	3.249	6.497	8.031	10.630
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:33:05	0.586	6.252	7.170	0.855	0.353	0.496	0.000	122.800
2	05:33:48	0.617	6.638	6.707	0.542	0.194	0.386	0.000	122.700
3	05:34:31	0.676	6.473	6.118	0.828	0.061	1.263	0.000	122.000
x		0.626	6.454	6.665	0.742	0.203	0.715	0.000	122.500
σ		0.046	0.194	0.527	0.173	0.146	0.477	0.000	0.453
%RSD		7.312	3.006	7.913	23.360	72.050	66.790	0.000	0.370
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:33:05	103.750%	0.946	1.020	101.055%	-0.000	-0.008	0.021	0.026
2	05:33:48	104.183%	1.005	1.103	100.944%	0.003	0.001	-0.076	-0.055
3	05:34:31	104.146%	1.013	1.076	100.384%	0.001	-0.003	0.001	0.013
x		104.026%	0.988	1.066	100.794%	0.001	-0.003	-0.018	-0.005
σ		0.240%	0.037	0.042	0.360%	0.001	0.005	0.052	0.043
%RSD		0.231	3.742	3.967	0.357	127.400	133.400	288.100	870.200
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:33:05	104.015%	0.092	0.375	0.342	22.210	21.190	106.125%	105.775%
2	05:33:48	104.497%	0.100	0.364	0.397	21.530	21.400	107.210%	106.121%
3	05:34:31	104.759%	0.154	0.345	0.361	22.160	21.490	107.025%	105.692%
x		104.424%	0.115	0.362	0.366	21.970	21.360	106.787%	105.863%
σ		0.378%	0.034	0.015	0.028	0.380	0.154	0.581%	0.227%
%RSD		0.362	29.350	4.257	7.717	1.732	0.722	0.544	0.215
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:33:05	0.006	-0.001	0.022	0.006	0.006	104.596%		
2	05:33:48	0.004	0.001	-0.002	-0.007	-0.012	105.211%		
3	05:34:31	-0.003	-0.002	0.008	-0.016	-0.015	105.015%		
x		0.002	-0.001	0.009	-0.006	-0.007	104.941%		
σ		0.005	0.002	0.012	0.011	0.012	0.314%		
%RSD		213.800	172.100	128.100	199.700	168.200	0.299		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:37:25	116.286%	0.037	19.150	18.740	0.000	10050.000	8978.000	8846.000
2	05:38:08	115.017%	-0.007	19.040	19.380	0.000	10140.000	9104.000	8993.000
3	05:38:51	115.914%	-0.007	18.550	19.610	0.000	10160.000	9112.000	8959.000
x		115.739%	0.008	18.910	19.250	0.000	10120.000	9065.000	8933.000
σ		0.653%	0.025	0.319	0.449	0.000	58.430	75.310	76.790
%RSD		0.564	318.500	1.686	2.335	0.000	0.578	0.831	0.860

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:37:25	7.100	852.200	0.000	368.300	24020.000	23420.000	100.469%	-0.165
2	05:38:08	7.182	870.800	0.000	377.000	23430.000	23830.000	100.093%	-0.164
3	05:38:51	7.617	850.000	0.000	368.500	24060.000	23290.000	100.443%	-0.165
x		7.300	857.700	0.000	371.300	23840.000	23510.000	100.335%	-0.165
σ		0.278	11.420	0.000	4.997	353.300	279.100	0.210%	0.001
%RSD		3.804	1.331	0.000	1.346	1.482	1.187	0.209	0.405

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:37:25	-0.470	-0.409	22.710	17.870	166.900	0.876	1.843	0.740
2	05:38:08	0.187	-0.444	22.590	18.820	162.600	0.845	1.988	0.733
3	05:38:51	0.379	-0.481	22.670	20.070	157.200	0.835	2.079	0.849
x		0.032	-0.445	22.650	18.920	162.200	0.852	1.970	0.774
σ		0.445	0.036	0.062	1.106	4.857	0.022	0.119	0.065
%RSD		1395.000	8.105	0.272	5.844	2.995	2.539	6.049	8.459

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:37:25	1.024	0.989	0.743	0.348	0.734	0.220	0.000	196.700
2	05:38:08	1.023	0.627	0.882	0.568	0.540	1.392	0.000	197.400
3	05:38:51	0.878	0.658	0.549	0.769	0.014	1.231	0.000	197.600
x		0.975	0.758	0.725	0.562	0.429	0.948	0.000	197.200
σ		0.084	0.200	0.167	0.210	0.373	0.635	0.000	0.449
%RSD		8.616	26.400	23.040	37.430	86.790	67.040	0.000	0.228

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:37:25	103.369%	1.250	1.294	100.678%	0.004	-0.006	0.057	0.050
2	05:38:08	103.220%	1.355	1.393	101.018%	-0.003	0.001	-0.003	0.010
3	05:38:51	103.931%	1.523	1.450	101.364%	-0.002	-0.002	-0.146	-0.108
x		103.506%	1.376	1.379	101.020%	-0.000	-0.002	-0.031	-0.016
σ		0.375%	0.137	0.079	0.343%	0.004	0.004	0.104	0.082
%RSD		0.362	9.985	5.723	0.340	1167.000	159.100	339.700	517.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:37:25	104.129%	0.009	0.253	0.270	75.480	75.940	104.674%	104.311%
2	05:38:08	103.831%	0.030	0.262	0.264	76.340	76.450	106.115%	106.127%
3	05:38:51	104.986%	0.032	0.232	0.240	74.660	77.530	107.167%	106.996%
x		104.315%	0.024	0.249	0.258	75.490	76.640	105.985%	105.811%
σ		0.600%	0.013	0.016	0.016	0.840	0.810	1.252%	1.370%
%RSD		0.575	52.960	6.316	6.084	1.113	1.057	1.181	1.295

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	05:37:25	-0.000	0.008	0.021	0.003	0.010	102.420%
2	05:38:08	-0.005	0.003	-0.001	0.010	0.003	103.806%
3	05:38:51	-0.002	0.004	0.001	0.011	0.008	104.992%
x		-0.003	0.005	0.007	0.008	0.007	103.739%
σ		0.002	0.003	0.012	0.004	0.004	1.287%
%RSD		96.200	54.440	173.000	53.400	54.220	1.241

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:41:44	114.762%	0.016	4.129	4.522	0.000	9946.000	4791.000	4709.000
2	05:42:27	113.238%	0.016	4.102	4.149	0.000	9909.000	4795.000	4678.000
3	05:43:10	113.123%	0.031	5.137	4.210	0.000	9971.000	4859.000	4758.000
x		113.708%	0.021	4.456	4.294	0.000	9942.000	4815.000	4715.000
σ		0.915%	0.009	0.590	0.200	0.000	31.570	38.150	40.720
%RSD		0.804	42.230	13.230	4.657	0.000	0.318	0.792	0.864
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:41:44	294.600	402.400	0.000	181.100	11380.000	11550.000	100.468%	-0.165
2	05:42:27	297.300	398.400	0.000	180.800	11410.000	11430.000	101.181%	-0.119
3	05:43:10	299.400	401.500	0.000	179.600	11210.000	11340.000	100.052%	-0.017
x		297.100	400.800	0.000	180.500	11330.000	11440.000	100.567%	-0.100
σ		2.434	2.106	0.000	0.798	111.300	107.400	0.571%	0.076
%RSD		0.819	0.525	0.000	0.442	0.982	0.939	0.568	75.260
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:41:44	23.410	-0.154	0.083	8.415	73.360	0.138	0.560	-0.059
2	05:42:27	24.960	-0.166	0.075	7.404	68.000	0.139	0.568	-0.107
3	05:43:10	26.050	-0.166	0.081	7.739	68.460	0.130	0.570	-0.087
x		24.810	-0.162	0.080	7.853	69.940	0.136	0.566	-0.084
σ		1.326	0.007	0.004	0.515	2.968	0.005	0.005	0.024
%RSD		5.345	4.262	5.344	6.560	4.244	3.532	0.922	28.300
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:41:44	0.143	-0.273	-0.145	20.810	0.640	0.716	0.000	86.700
2	05:42:27	0.010	-0.183	-0.166	20.500	1.105	0.513	0.000	87.060
3	05:43:10	0.016	-0.133	0.055	20.400	0.948	0.933	0.000	86.550
x		0.057	-0.196	-0.085	20.570	0.897	0.721	0.000	86.770
σ		0.075	0.071	0.122	0.216	0.236	0.210	0.000	0.266
%RSD		133.300	36.120	143.300	1.049	26.340	29.110	0.000	0.306
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:41:44	104.313%	4.484	4.957	101.076%	0.004	-0.005	0.001	0.007
2	05:42:27	104.354%	5.345	5.453	101.580%	-0.002	-0.003	-0.055	-0.026
3	05:43:10	104.656%	5.831	5.927	101.448%	-0.002	-0.000	-0.169	-0.117
x		104.441%	5.220	5.446	101.368%	0.000	-0.003	-0.074	-0.046
σ		0.188%	0.682	0.485	0.261%	0.003	0.002	0.087	0.064
%RSD		0.180	13.070	8.902	0.258	6037.000	76.230	116.800	141.000
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:41:44	105.358%	-0.032	4.833	4.815	11.600	11.860	107.675%	105.910%
2	05:42:27	105.331%	-0.015	4.813	4.730	12.040	11.840	107.196%	107.267%
3	05:43:10	105.609%	-0.039	4.827	4.954	12.360	11.970	106.353%	106.687%
x		105.433%	-0.029	4.824	4.833	12.000	11.890	107.075%	106.621%
σ		0.154%	0.013	0.010	0.113	0.380	0.072	0.669%	0.681%
%RSD		0.146	44.270	0.212	2.339	3.169	0.605	0.625	0.639
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:41:44	-0.001	-0.001	-0.002	0.006	-0.005	105.437%		
2	05:42:27	-0.006	-0.000	-0.032	-0.002	-0.017	106.788%		
3	05:43:10	0.000	-0.003	-0.009	-0.005	-0.010	106.654%		
x		-0.002	-0.001	-0.015	-0.000	-0.010	106.293%		
σ		0.003	0.001	0.016	0.005	0.006	0.744%		
%RSD		142.100	96.970	108.500	2108.000	58.560	0.700		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:46:03	116.695%	0.030	10.050	9.716	0.000	9864.000	4843.000	4763.000
2	05:46:46	115.911%	0.015	10.070	9.647	0.000	9936.000	4839.000	4814.000
3	05:47:29	115.011%	-0.007	9.173	10.440	0.000	9934.000	4918.000	4861.000
X		115.872%	0.013	9.764	9.933	0.000	9911.000	4867.000	4813.000
σ		0.842%	0.018	0.512	0.437	0.000	41.390	44.320	49.280
%RSD		0.727	143.000	5.245	4.399	0.000	0.418	0.911	1.024
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:46:03	21.330	293.100	0.000	166.300	11770.000	11530.000	99.860%	-0.040
2	05:46:46	21.230	290.700	0.000	165.500	11290.000	11610.000	99.863%	-0.163
3	05:47:29	21.100	283.500	0.000	166.100	11660.000	11600.000	99.929%	-0.016
X		21.220	289.100	0.000	166.000	11570.000	11580.000	99.884%	-0.073
σ		0.113	4.989	0.000	0.413	250.200	42.100	0.039%	0.079
%RSD		0.533	1.726	0.000	0.249	2.162	0.363	0.039	107.200
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:46:03	4.207	-0.362	1.865	6.374	78.260	2.968	8.287	-0.085
2	05:46:46	3.554	-0.336	1.931	6.117	74.330	2.975	8.120	-0.035
3	05:47:29	3.555	-0.358	1.924	5.890	69.110	3.033	8.043	-0.053
X		3.772	-0.352	1.907	6.127	73.900	2.992	8.150	-0.058
σ		0.377	0.014	0.036	0.242	4.594	0.036	0.125	0.025
%RSD		9.986	3.977	1.891	3.955	6.217	1.189	1.532	44.220
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:46:03	0.251	0.371	0.288	6.365	0.839	0.416	0.000	78.810
2	05:46:46	0.126	0.336	0.434	6.643	1.081	0.739	0.000	78.600
3	05:47:29	0.291	0.209	0.319	6.354	0.438	0.723	0.000	78.460
X		0.223	0.305	0.347	6.454	0.786	0.626	0.000	78.620
σ		0.086	0.085	0.077	0.164	0.325	0.182	0.000	0.172
%RSD		38.720	27.910	22.210	2.541	41.370	29.110	0.000	0.219
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:46:03	102.057%	2.139	1.917	99.951%	-0.002	-0.005	-0.042	-0.022
2	05:46:46	102.750%	1.839	1.898	100.845%	-0.006	0.003	-0.059	-0.040
3	05:47:29	102.983%	1.707	1.722	100.818%	-0.005	-0.003	-0.102	-0.057
X		102.596%	1.895	1.845	100.538%	-0.004	-0.002	-0.068	-0.039
σ		0.482%	0.221	0.107	0.509%	0.002	0.004	0.031	0.018
%RSD		0.469	11.670	5.814	0.506	55.300	217.900	45.330	44.580
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:46:03	103.165%	0.015	5.299	5.248	24.160	24.780	104.156%	103.152%
2	05:46:46	103.905%	0.074	5.385	5.444	24.560	24.350	104.442%	104.265%
3	05:47:29	104.335%	-0.026	5.603	5.292	23.860	24.340	105.348%	104.640%
X		103.802%	0.021	5.429	5.328	24.190	24.490	104.648%	104.019%
σ		0.592%	0.050	0.157	0.103	0.348	0.249	0.622%	0.774%
%RSD		0.570	236.500	2.892	1.929	1.438	1.018	0.595	0.744
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:46:03	-0.002	0.004	0.007	-0.012	-0.007	102.287%		
2	05:46:46	0.006	0.001	-0.014	-0.014	-0.015	103.248%		
3	05:47:29	-0.002	0.003	-0.019	-0.006	-0.018	103.763%		
X		0.001	0.003	-0.009	-0.010	-0.013	103.100%		
σ		0.005	0.002	0.014	0.004	0.005	0.749%		
%RSD		459.300	57.510	160.700	38.350	41.260	0.727		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:50:22	109.781%	0.009	17.730	16.890	0.000	10870.000	4714.000	4684.000
2	05:51:06	110.069%	0.001	16.490	17.540	0.000	10870.000	4792.000	4704.000
3	05:51:49	110.198%	0.032	15.660	16.820	0.000	10960.000	4793.000	4715.000
x		110.016%	0.014	16.630	17.080	0.000	10900.000	4766.000	4701.000
σ		0.214%	0.016	1.040	0.394	0.000	49.570	45.210	15.670
%RSD		0.194	112.400	6.253	2.306	0.000	0.455	0.948	0.333

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:50:22	78.260	2022.000	0.000	17280.000	9640.000	9644.000	97.409%	0.547
2	05:51:06	77.410	2025.000	0.000	17280.000	9462.000	9736.000	96.690%	0.655
3	05:51:49	78.400	2019.000	0.000	17390.000	9925.000	9674.000	96.407%	0.634
x		78.020	2022.000	0.000	17320.000	9675.000	9685.000	96.835%	0.612
σ		0.537	3.277	0.000	61.460	233.600	46.740	0.517%	0.057
%RSD		0.689	0.162	0.000	0.355	2.414	0.483	0.534	9.349

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:50:22	5.569	-0.182	0.306	2.885	55.550	0.038	0.232	0.016
2	05:51:06	6.167	-0.096	0.303	2.611	51.230	0.048	0.209	0.046
3	05:51:49	6.383	-0.187	0.352	2.435	49.910	0.024	0.207	-0.001
x		6.040	-0.155	0.321	2.644	52.230	0.037	0.216	0.020
σ		0.422	0.051	0.027	0.227	2.949	0.012	0.014	0.024
%RSD		6.982	33.060	8.516	8.578	5.647	32.760	6.357	118.600

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:50:22	0.259	-0.039	0.094	2.872	0.608	0.664	0.000	34.810
2	05:51:06	0.167	-0.013	0.050	2.941	0.964	0.537	0.000	34.660
3	05:51:49	0.291	0.105	0.305	3.060	0.984	0.293	0.000	35.140
x		0.239	0.018	0.150	2.958	0.852	0.498	0.000	34.870
σ		0.064	0.076	0.136	0.095	0.212	0.188	0.000	0.242
%RSD		26.890	430.600	90.930	3.213	24.850	37.820	0.000	0.695

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:50:22	101.385%	1.375	1.392	97.810%	-0.006	0.000	0.017	0.009
2	05:51:06	101.811%	1.283	1.479	98.728%	-0.004	-0.006	-0.082	-0.068
3	05:51:49	100.864%	1.374	1.494	98.628%	-0.003	-0.009	-0.083	-0.053
x		101.354%	1.344	1.455	98.389%	-0.004	-0.005	-0.049	-0.037
σ		0.474%	0.053	0.055	0.504%	0.001	0.005	0.058	0.041
%RSD		0.468	3.931	3.771	0.512	33.370	92.670	116.800	108.900

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:50:22	101.811%	0.058	0.842	0.892	3.731	3.818	103.338%	103.446%
2	05:51:06	101.334%	0.796	0.847	0.856	3.473	3.820	105.297%	105.093%
3	05:51:49	101.577%	0.140	0.910	0.877	3.618	3.829	105.140%	105.412%
x		101.574%	0.332	0.867	0.875	3.607	3.822	104.592%	104.650%
σ		0.238%	0.405	0.038	0.018	0.129	0.006	1.089%	1.055%
%RSD		0.235	122.100	4.398	2.076	3.583	0.156	1.041	1.008

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	05:50:22	-0.004	-0.001	-0.001	-0.016	-0.012	102.063%
2	05:51:06	-0.003	-0.006	-0.009	-0.006	-0.011	103.863%
3	05:51:49	-0.004	-0.005	-0.013	-0.023	-0.020	104.937%
x		-0.004	-0.004	-0.008	-0.015	-0.014	103.621%
σ		0.001	0.002	0.006	0.008	0.005	1.452%
%RSD		17.810	64.390	77.580	55.840	32.050	1.402

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:54:42	111.217%	0.009	19.970	19.000	0.000	10490.000	4815.000	4742.000
2	05:55:25	111.823%	0.016	19.420	18.650	0.000	10660.000	4893.000	4811.000
3	05:56:08	109.604%	0.032	18.990	19.960	0.000	10790.000	4967.000	4859.000
X		110.881%	0.019	19.460	19.210	0.000	10650.000	4892.000	4804.000
σ		1.147%	0.012	0.491	0.678	0.000	149.700	75.760	59.080
%RSD		1.035	62.530	2.525	3.531	0.000	1.406	1.549	1.230
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:54:42	40.460	1794.000	0.000	12050.000	10080.000	10230.000	97.304%	0.749
2	05:55:25	41.390	1800.000	0.000	11930.000	10160.000	10130.000	96.400%	1.040
3	05:56:08	42.310	1803.000	0.000	11990.000	10160.000	10120.000	96.690%	0.580
X		41.390	1799.000	0.000	11990.000	10130.000	10160.000	96.798%	0.790
σ		0.921	4.841	0.000	61.560	44.990	63.790	0.462%	0.232
%RSD		2.226	0.269	0.000	0.513	0.444	0.628	0.477	29.430
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:54:42	5.316	-0.379	1.484	1.331	52.930	0.185	0.665	0.020
2	05:55:25	5.710	-0.300	1.578	0.962	57.220	0.191	0.356	0.011
3	05:56:08	5.676	-0.388	1.422	1.432	56.510	0.213	0.512	0.001
X		5.567	-0.356	1.495	1.241	55.550	0.196	0.511	0.011
σ		0.219	0.049	0.078	0.248	2.298	0.015	0.154	0.009
%RSD		3.924	13.660	5.226	19.940	4.136	7.563	30.170	86.050
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:54:42	0.140	0.117	0.151	3.439	1.010	0.388	0.000	42.360
2	05:55:25	0.210	0.053	0.201	3.131	1.117	0.601	0.000	42.950
3	05:56:08	0.170	0.170	-0.045	3.211	0.754	0.012	0.000	42.760
X		0.173	0.113	0.102	3.260	0.961	0.334	0.000	42.690
σ		0.035	0.059	0.130	0.160	0.186	0.298	0.000	0.299
%RSD		20.190	51.590	127.500	4.909	19.410	89.360	0.000	0.701
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:54:42	100.575%	1.172	1.315	97.532%	-0.006	-0.008	-0.003	0.012
2	05:55:25	99.853%	1.161	1.199	97.801%	0.005	0.000	-0.115	-0.079
3	05:56:08	100.358%	1.273	1.398	97.436%	-0.004	0.002	0.014	0.031
X		100.262%	1.202	1.304	97.590%	-0.002	-0.002	-0.035	-0.012
σ		0.371%	0.062	0.100	0.189%	0.006	0.005	0.070	0.059
%RSD		0.370	5.126	7.652	0.194	315.100	255.900	202.800	494.600
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:54:42	101.250%	-0.075	0.771	0.794	6.178	6.418	102.734%	101.951%
2	05:55:25	100.864%	-0.039	0.812	0.897	5.988	6.550	103.642%	103.210%
3	05:56:08	101.517%	-0.074	0.833	0.866	6.901	6.608	103.802%	103.983%
X		101.210%	-0.063	0.805	0.852	6.355	6.525	103.393%	103.048%
σ		0.328%	0.020	0.032	0.053	0.482	0.098	0.576%	1.025%
%RSD		0.324	32.550	3.927	6.189	7.578	1.494	0.557	0.995
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	05:54:42	-0.009	-0.007	-0.012	-0.029	-0.014	101.646%		
2	05:55:25	0.001	-0.003	-0.006	-0.018	-0.022	102.440%		
3	05:56:08	0.001	0.003	-0.004	-0.008	-0.009	102.362%		
X		-0.002	-0.002	-0.007	-0.019	-0.015	102.149%		
σ		0.005	0.005	0.004	0.011	0.006	0.438%		
%RSD		228.200	217.000	58.650	56.290	42.030	0.429		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:59:03	112.199%	-0.006	10.840	10.610	0.000	9880.000	4832.000	4776.000
2	05:59:46	111.739%	0.009	10.440	11.070	0.000	10010.000	4915.000	4800.000
3	06:00:29	110.836%	0.017	10.940	10.960	0.000	10010.000	4948.000	4849.000
x		111.591%	0.006	10.740	10.880	0.000	9967.000	4898.000	4808.000
σ		0.693%	0.012	0.263	0.242	0.000	74.960	59.850	37.330
%RSD		0.621	185.900	2.447	2.222	0.000	0.752	1.222	0.776

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:59:03	246.100	579.600	0.000	185.000	13420.000	13330.000	98.251%	-0.282
2	05:59:46	248.200	581.500	0.000	181.100	13360.000	13390.000	98.227%	-0.183
3	06:00:29	247.200	571.500	0.000	182.600	13760.000	13490.000	97.077%	-0.179
x		247.200	577.600	0.000	182.900	13510.000	13400.000	97.852%	-0.215
σ		1.014	5.325	0.000	1.934	213.000	78.300	0.671%	0.058
%RSD		0.410	0.922	0.000	1.057	1.577	0.584	0.686	27.200

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:59:03	1.660	-0.272	2.068	43.730	127.000	0.129	0.386	-0.132
2	05:59:46	1.971	-0.211	2.056	47.470	121.100	0.109	0.378	-0.071
3	06:00:29	2.125	-0.272	2.093	51.760	119.800	0.098	0.394	-0.152
x		1.919	-0.252	2.072	47.660	122.600	0.112	0.386	-0.119
σ		0.237	0.035	0.019	4.017	3.838	0.016	0.008	0.042
%RSD		12.360	13.960	0.909	8.429	3.131	14.360	1.963	35.470

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:59:03	0.121	2.793	2.987	1.973	0.103	-0.297	0.000	87.190
2	05:59:46	0.135	2.505	3.237	2.367	0.921	1.068	0.000	85.880
3	06:00:29	0.089	2.905	2.974	2.138	0.749	0.405	0.000	86.970
x		0.115	2.734	3.066	2.159	0.591	0.392	0.000	86.680
σ		0.024	0.206	0.148	0.198	0.431	0.683	0.000	0.700
%RSD		20.560	7.541	4.840	9.167	72.920	174.200	0.000	0.807

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:59:03	101.193%	1.767	1.730	98.078%	0.000	0.005	-0.027	-0.024
2	05:59:46	102.360%	2.129	1.937	99.537%	0.001	-0.000	0.015	0.021
3	06:00:29	102.098%	2.046	1.951	98.443%	0.005	0.003	-0.075	-0.044
x		101.884%	1.981	1.873	98.686%	0.002	0.002	-0.029	-0.016
σ		0.612%	0.190	0.124	0.759%	0.002	0.002	0.045	0.033
%RSD		0.601	9.592	6.617	0.769	114.700	98.860	154.400	208.600

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:59:03	102.414%	-0.086	1.453	1.433	44.220	44.310	103.755%	103.332%
2	05:59:46	103.271%	-0.066	1.462	1.437	42.770	45.380	104.590%	105.207%
3	06:00:29	103.170%	-0.079	1.520	1.458	43.650	44.660	105.817%	105.175%
x		102.952%	-0.077	1.478	1.443	43.550	44.780	104.720%	104.571%
σ		0.468%	0.010	0.036	0.013	0.728	0.546	1.037%	1.073%
%RSD		0.455	12.930	2.444	0.909	1.671	1.219	0.990	1.026

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	05:59:03	-0.008	-0.002	-0.017	-0.005	-0.019	102.722%
2	05:59:46	-0.006	-0.003	-0.038	-0.027	-0.024	103.792%
3	06:00:29	-0.004	-0.004	-0.007	-0.023	-0.013	104.894%
x		-0.006	-0.003	-0.021	-0.018	-0.019	103.803%
σ		0.002	0.001	0.016	0.012	0.006	1.086%
%RSD		27.400	34.610	76.870	62.750	29.940	1.046

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:03:24	110.713%	0.017	56.310	54.550	0.000	9985.000	4994.000	4906.000
2	06:04:07	109.324%	0.071	55.330	56.000	0.000	10140.000	5059.000	4939.000
3	06:04:50	111.057%	0.017	57.730	55.080	0.000	10130.000	5035.000	4950.000
x		110.365%	0.035	56.460	55.210	0.000	10090.000	5029.000	4932.000
σ		0.918%	0.032	1.208	0.736	0.000	88.030	32.760	22.840
%RSD		0.832	90.660	2.140	1.333	0.000	0.873	0.651	0.463
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:03:24	-0.703	472.400	0.000	233.000	12260.000	11980.000	97.456%	-0.306
2	06:04:07	-0.701	474.200	0.000	231.400	12010.000	11860.000	97.397%	-0.280
3	06:04:50	-0.797	476.300	0.000	232.900	12090.000	12080.000	97.385%	-0.456
x		-0.734	474.300	0.000	232.400	12120.000	11970.000	97.413%	-0.347
σ		0.055	1.957	0.000	0.905	123.900	109.400	0.038%	0.095
%RSD		7.493	0.412	0.000	0.390	1.022	0.913	0.039	27.340
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:03:24	0.267	-0.163	23.260	9611.000	9451.000	7.825	12.260	2.794
2	06:04:07	0.209	-0.139	23.380	9747.000	9497.000	8.008	11.950	2.664
3	06:04:50	0.352	-0.168	23.340	9823.000	9654.000	8.095	11.600	2.735
x		0.276	-0.157	23.330	9727.000	9534.000	7.976	11.940	2.731
σ		0.072	0.016	0.060	107.100	106.200	0.138	0.331	0.065
%RSD		25.930	10.010	0.258	1.101	1.114	1.724	2.769	2.385
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:03:24	2.890	1.845	1.898	3.082	-0.151	0.083	0.000	88.760
2	06:04:07	3.149	2.025	2.717	3.183	0.394	-0.072	0.000	88.900
3	06:04:50	2.888	1.955	2.204	3.185	0.340	-0.243	0.000	89.410
x		2.976	1.941	2.273	3.150	0.194	-0.078	0.000	89.030
σ		0.150	0.091	0.414	0.059	0.300	0.163	0.000	0.344
%RSD		5.043	4.665	18.210	1.871	154.800	209.900	0.000	0.387
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:03:24	100.498%	0.612	0.709	97.304%	0.048	0.045	0.042	0.037
2	06:04:07	100.889%	0.599	0.657	97.848%	0.035	0.051	-0.069	-0.041
3	06:04:50	101.951%	0.548	0.747	98.866%	0.033	0.039	-0.007	-0.008
x		101.113%	0.586	0.704	98.006%	0.039	0.045	-0.011	-0.004
σ		0.752%	0.034	0.045	0.793%	0.008	0.006	0.056	0.039
%RSD		0.743	5.755	6.409	0.809	20.320	14.160	487.900	977.800
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:03:24	101.615%	-0.072	0.293	0.389	119.800	121.900	104.314%	102.990%
2	06:04:07	102.330%	-0.004	0.349	0.384	120.100	120.200	104.380%	103.347%
3	06:04:50	102.475%	-0.067	0.311	0.367	120.700	120.700	105.482%	103.941%
x		102.140%	-0.047	0.318	0.380	120.200	120.900	104.725%	103.426%
σ		0.460%	0.038	0.028	0.012	0.422	0.899	0.656%	0.480%
%RSD		0.451	79.230	8.944	3.033	0.351	0.743	0.626	0.464
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	06:03:24	0.002	0.005	0.005	-0.016	-0.011	103.724%		
2	06:04:07	0.006	0.004	0.003	-0.021	-0.011	104.393%		
3	06:04:50	0.004	0.011	-0.016	-0.021	-0.021	104.507%		
x		0.004	0.006	-0.003	-0.019	-0.015	104.208%		
σ		0.002	0.004	0.012	0.003	0.005	0.423%		
%RSD		57.030	54.890	406.800	15.800	37.490	0.406		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:10:38	105.188%	94.290	91.590	89.870	0.000	47460.000	53890.000	53410.000
2	06:11:21	105.646%	96.620	92.460	89.710	0.000	47150.000	54450.000	53740.000
3	06:12:04	105.912%	96.820	92.110	91.790	0.000	47660.000	54960.000	54040.000
x		105.582%	95.910%	92.052%	90.457%	0.000	94.851%	108.867%	107.458%
σ		0.366%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.347	1.464	0.478	1.277	0.000	0.539	0.985	0.588

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:10:38	529.600	4999.000	0.000	49920.000	48260.000	48480.000	100.058%	97.200
2	06:11:21	530.800	5020.000	0.000	50250.000	49860.000	49010.000	99.493%	96.840
3	06:12:04	534.400	5021.000	0.000	50260.000	48890.000	48960.000	100.063%	96.310
x		106.322%	100.265%	0.000	100.285%	98.001%	97.633%	99.871%	96.783%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.328%	n/a
%RSD		0.472	0.253	0.000	0.386	1.646	0.592	0.328	0.461

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:10:38	96.860	95.880	485.900	24210.000	24000.000	96.800	96.420	96.830
2	06:11:21	95.530	95.350	483.400	24170.000	24070.000	96.000	96.760	96.640
3	06:12:04	95.540	94.700	486.600	24410.000	24240.000	95.110	97.250	97.300
x		95.976%	95.310%	97.059%	97.047%	96.410%	95.970%	96.810%	96.922%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		0.799	0.617	0.346	0.533	0.512	0.884	0.430	0.350

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:10:38	97.450	102.300	102.400	101.100	99.830	99.590	0.000	99.640
2	06:11:21	97.520	101.900	103.600	99.980	98.230	101.500	0.000	99.680
3	06:12:04	98.850	103.200	103.500	99.540	103.200	97.450	0.000	99.920
x		97.939%	102.460%	103.158%	100.207%	100.434%	99.501%	0.000	99.745%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.806	0.668	0.612	0.805	2.546	2.015	0.000	0.153

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:10:38	100.187%	92.120	91.530	95.239%	99.330	97.720	97.560	100.000
2	06:11:21	102.038%	97.990	96.470	96.579%	97.830	98.530	98.330	99.440
3	06:12:04	101.919%	98.690	99.420	97.280%	97.260	98.550	99.000	98.540
x		101.381%	96.264%	95.804%	96.366%	98.139%	98.265%	98.297%	99.334%
σ		1.036%	n/a	n/a	1.037%	n/a	n/a	n/a	n/a
%RSD		1.022	3.748	4.162	1.076	1.095	0.482	0.732	0.753

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:10:38	98.822%	97.910	96.940	98.550	98.410	98.250	101.684%	101.347%
2	06:11:21	101.610%	97.440	98.780	99.030	99.860	96.520	103.480%	103.116%
3	06:12:04	101.577%	99.080	99.830	100.500	99.570	98.700	104.357%	103.459%
x		100.670%	98.143%	98.518%	99.354%	99.279%	97.824%	103.174%	102.641%
σ		1.600%	n/a	n/a	n/a	n/a	n/a	1.363%	1.133%
%RSD		1.589	0.861	1.487	1.016	0.775	1.176	1.321	1.104

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:10:38	93.680	94.720	94.190	94.250	94.540	108.643%
2	06:11:21	96.260	96.800	96.970	97.030	97.320	107.720%
3	06:12:04	98.460	98.850	98.990	98.380	99.100	107.124%
x		96.130%	96.790%	96.718%	96.553%	96.983%	107.829%
σ		n/a	n/a	n/a	n/a	n/a	0.765%
%RSD		2.488	2.133	2.494	2.178	2.369	0.710

CCB10 11/24/2010 6:17:11 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:17:54	117.648%	0.058	1.701	1.855	0.000	-46.600	8.281	8.321
2	06:18:37	117.519%	0.044	1.591	1.812	0.000	-46.110	9.841	8.348
3	06:19:20	115.064%	0.052	1.360	1.558	0.000	-43.900	9.283	9.441
x		116.744%	0.052	1.551	1.741	0.000	-45.540	9.135	8.703
σ		1.457%	0.007	0.174	0.160	0.000	1.441	0.790	0.639
%RSD		1.248	14.030	11.220	9.210	0.000	3.164	8.651	7.338
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:17:54	0.064	0.025	0.000	12.780	3.145	-8.597	103.069%	-0.268
2	06:18:37	0.078	0.067	0.000	11.410	23.770	-6.369	102.353%	-0.386
3	06:19:20	0.180	-0.296	0.000	11.970	13.580	-6.893	101.991%	-0.409
x		0.107	-0.068	0.000	12.050	13.500	-7.286	102.471%	-0.354
σ		0.063	0.198	0.000	0.687	10.310	1.165	0.549%	0.076
%RSD		59.280	292.200	0.000	5.702	76.400	15.990	0.536	21.420
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:17:54	0.634	-0.061	0.064	2.522	2.542	0.007	-0.087	-0.316
2	06:18:37	0.278	-0.039	0.093	2.123	-1.042	0.013	-0.069	-0.296
3	06:19:20	-0.097	-0.063	0.048	1.361	2.419	0.022	-0.087	-0.288
x		0.272	-0.054	0.068	2.002	1.306	0.014	-0.081	-0.300
σ		0.366	0.014	0.023	0.590	2.035	0.008	0.011	0.014
%RSD		134.400	25.180	33.400	29.460	155.800	54.580	13.070	4.801
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:17:54	-0.077	-0.588	-0.424	0.398	1.257	0.811	0.000	0.015
2	06:18:37	-0.093	-0.581	-0.500	-0.087	0.594	0.638	0.000	0.018
3	06:19:20	-0.092	-0.511	-0.344	0.029	0.432	0.608	0.000	0.021
x		-0.087	-0.560	-0.423	0.113	0.761	0.686	0.000	0.018
σ		0.009	0.042	0.078	0.253	0.437	0.110	0.000	0.003
%RSD		10.270	7.584	18.360	223.800	57.410	16.020	0.000	15.990
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:17:54	105.285%	0.772	0.830	103.634%	0.018	0.020	0.050	0.049
2	06:18:37	106.533%	0.723	0.796	104.031%	0.006	0.017	-0.006	0.001
3	06:19:20	106.070%	0.665	0.761	103.914%	0.011	0.005	-0.067	-0.025
x		105.963%	0.720	0.796	103.860%	0.012	0.014	-0.008	0.008
σ		0.631%	0.053	0.034	0.204%	0.006	0.008	0.058	0.038
%RSD		0.595	7.431	4.322	0.196	50.430	55.950	753.400	461.000
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:17:54	105.597%	-0.015	0.209	0.214	-0.007	-0.001	105.231%	104.722%
2	06:18:37	107.064%	-0.034	0.182	0.225	-0.045	0.031	106.513%	105.750%
3	06:19:20	106.407%	-0.030	0.171	0.167	-0.055	0.014	107.757%	106.337%
x		106.356%	-0.026	0.187	0.202	-0.036	0.015	106.501%	105.603%
σ		0.735%	0.010	0.019	0.031	0.026	0.016	1.263%	0.817%
%RSD		0.691	38.090	10.390	15.270	71.840	110.100	1.186	0.774
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	06:17:54	0.022	0.016	-0.015	-0.026	-0.016	102.070%		
2	06:18:37	0.018	0.008	-0.030	-0.014	-0.020	103.384%		
3	06:19:20	0.031	0.024	-0.010	-0.015	-0.011	105.024%		
x		0.024	0.016	-0.018	-0.018	-0.016	103.492%		
σ		0.007	0.008	0.010	0.007	0.004	1.480%		
%RSD		28.660	49.660	56.220	37.520	27.880	1.430		

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:22:16	113.146%	0.008	196.600	193.000	0.000	10130.000	4919.000	4809.000
2	06:22:59	113.569%	0.023	188.800	191.100	0.000	10130.000	4896.000	4805.000
3	06:23:42	113.806%	0.008	195.200	188.800	0.000	10060.000	4907.000	4803.000
X		113.507%	0.013	193.500	191.000	0.000	10110.000	4907.000	4805.000
σ		0.334%	0.009	4.177	2.113	0.000	40.860	11.580	3.262
%RSD		0.294	64.470	2.158	1.107	0.000	0.404	0.236	0.068

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:22:16	390.100	389.900	0.000	201.500	11350.000	11830.000	100.696%	-0.044
2	06:22:59	393.500	388.800	0.000	198.500	11790.000	11650.000	99.301%	-0.137
3	06:23:42	388.700	386.800	0.000	202.000	12190.000	11810.000	99.809%	0.131
X		390.800	388.500	0.000	200.700	11770.000	11760.000	99.935%	-0.017
σ		2.496	1.568	0.000	1.849	420.100	97.870	0.706%	0.136
%RSD		0.639	0.404	0.000	0.921	3.569	0.832	0.706	803.000

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:22:16	127.000	0.616	1.365	-2.740	64.110	0.149	0.182	-0.072
2	06:22:59	133.400	0.700	1.438	-2.765	63.600	0.128	0.257	-0.073
3	06:23:42	136.300	0.667	1.416	-2.569	63.140	0.132	0.113	-0.076
X		132.200	0.661	1.406	-2.691	63.620	0.136	0.184	-0.074
σ		4.783	0.042	0.038	0.107	0.483	0.011	0.072	0.002
%RSD		3.617	6.409	2.697	3.959	0.759	8.173	39.210	2.697

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:22:16	0.122	3.381	3.287	2.788	0.508	0.841	0.000	27.380
2	06:22:59	0.076	3.338	3.803	3.237	0.586	1.195	0.000	26.870
3	06:23:42	0.038	3.263	3.410	2.764	0.842	0.744	0.000	27.200
X		0.078	3.327	3.500	2.930	0.645	0.926	0.000	27.150
σ		0.042	0.060	0.270	0.266	0.175	0.237	0.000	0.259
%RSD		53.560	1.805	7.703	9.079	27.060	25.600	0.000	0.954

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:22:16	104.308%	10.380	10.710	102.085%	-0.000	-0.004	-0.041	-0.041
2	06:22:59	105.029%	12.370	12.510	101.587%	-0.006	0.003	0.077	0.047
3	06:23:42	104.685%	13.540	13.400	101.265%	0.004	-0.003	-0.047	-0.017
X		104.674%	12.100	12.210	101.646%	-0.001	-0.001	-0.004	-0.004
σ		0.361%	1.595	1.374	0.414%	0.005	0.004	0.070	0.045
%RSD		0.345	13.190	11.260	0.407	564.400	243.800	1790.000	1155.000

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:22:16	104.894%	-0.134	1.522	1.731	6.219	6.407	107.182%	105.654%
2	06:22:59	104.102%	-0.071	1.602	1.663	6.258	6.446	106.705%	106.945%
3	06:23:42	104.791%	-0.144	1.620	1.665	6.862	6.512	106.921%	106.417%
X		104.596%	-0.116	1.581	1.686	6.447	6.455	106.936%	106.339%
σ		0.431%	0.039	0.052	0.039	0.360	0.053	0.239%	0.649%
%RSD		0.412	33.670	3.288	2.305	5.589	0.816	0.223	0.610

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:22:16	0.010	0.002	-0.009	-0.006	-0.002	103.818%
2	06:22:59	0.005	0.006	0.008	-0.013	0.004	104.394%
3	06:23:42	0.006	0.001	0.025	0.011	-0.003	104.159%
X		0.007	0.003	0.008	-0.003	-0.000	104.123%
σ		0.002	0.003	0.017	0.013	0.004	0.289%
%RSD		35.540	95.760	213.500	496.700	1671.000	0.278

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:26:37	115.300%	0.023	229.900	226.600	0.000	10090.000	4768.000	4695.000
2	06:27:20	114.519%	0.016	232.600	224.800	0.000	10030.000	4804.000	4737.000
3	06:28:03	112.428%	0.009	230.200	224.100	0.000	10110.000	4874.000	4788.000
X		114.082%	0.016	230.900	225.100	0.000	10080.000	4815.000	4740.000
σ		1.485%	0.007	1.486	1.301	0.000	40.700	53.980	46.820
%RSD		1.302	45.210	0.644	0.578	0.000	0.404	1.121	0.988
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:26:37	304.300	414.700	0.000	182.100	12420.000	12370.000	99.018%	-0.160
2	06:27:20	309.400	416.100	0.000	180.800	12590.000	12370.000	100.158%	-0.139
3	06:28:03	308.200	412.800	0.000	180.300	12280.000	12380.000	97.683%	-0.306
X		307.300	414.500	0.000	181.100	12430.000	12370.000	98.953%	-0.202
σ		2.698	1.662	0.000	0.926	152.500	6.153	1.239%	0.091
%RSD		0.878	0.401	0.000	0.511	1.227	0.050	1.252	44.970
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:26:37	96.640	0.157	2.420	0.442	75.890	0.175	0.274	-0.027
2	06:27:20	100.500	0.077	2.362	-0.252	74.360	0.204	0.167	-0.035
3	06:28:03	104.400	0.117	2.318	0.017	71.200	0.180	0.249	0.005
X		100.500	0.117	2.367	0.069	73.820	0.187	0.230	-0.019
σ		3.881	0.040	0.051	0.350	2.389	0.016	0.056	0.021
%RSD		3.861	34.310	2.168	507.200	3.236	8.403	24.320	112.800
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:26:37	0.208	1.024	0.655	2.048	0.856	0.552	0.000	23.930
2	06:27:20	0.164	0.813	1.209	2.039	0.793	1.278	0.000	24.070
3	06:28:03	0.158	0.811	0.947	1.840	0.947	0.072	0.000	24.520
X		0.177	0.882	0.937	1.976	0.866	0.634	0.000	24.170
σ		0.028	0.122	0.277	0.118	0.077	0.607	0.000	0.307
%RSD		15.620	13.850	29.570	5.966	8.935	95.710	0.000	1.270
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:26:37	102.811%	9.223	9.408	99.166%	-0.005	0.001	-0.107	-0.072
2	06:27:20	102.375%	10.240	10.620	99.567%	0.001	-0.008	-0.033	-0.010
3	06:28:03	102.439%	10.940	10.610	99.094%	-0.003	-0.008	-0.071	-0.041
X		102.542%	10.130	10.210	99.276%	-0.002	-0.005	-0.070	-0.041
σ		0.236%	0.863	0.697	0.255%	0.003	0.005	0.037	0.031
%RSD		0.230	8.513	6.824	0.257	151.400	114.100	52.930	75.050
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:26:37	101.872%	-0.167	1.203	1.057	6.640	6.470	103.155%	102.524%
2	06:27:20	102.238%	-0.135	1.171	1.202	6.385	6.436	104.035%	103.438%
3	06:28:03	102.163%	-0.110	1.170	1.157	6.200	6.080	105.134%	103.677%
X		102.091%	-0.137	1.181	1.139	6.408	6.329	104.108%	103.213%
σ		0.193%	0.028	0.018	0.074	0.221	0.216	0.992%	0.608%
%RSD		0.189	20.510	1.565	6.541	3.443	3.409	0.952	0.589
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	06:26:37	0.002	-0.002	-0.024	-0.034	-0.026	100.644%		
2	06:27:20	-0.006	-0.006	-0.018	-0.034	-0.026	101.691%		
3	06:28:03	-0.005	-0.001	-0.022	-0.026	-0.026	102.295%		
X		-0.003	-0.003	-0.021	-0.032	-0.026	101.543%		
σ		0.005	0.002	0.003	0.004	0.000	0.835%		
%RSD		151.400	81.500	15.650	14.220	1.039	0.823		

L99WHF 11/24/2010 6:30:16 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:30:59	112.760%	0.024	170.600	171.200	0.000	9967.000	4829.000	4763.000
2	06:31:42	111.837%	0.009	170.300	174.100	0.000	10150.000	4886.000	4833.000
3	06:32:25	112.088%	-0.006	170.000	164.500	0.000	10110.000	4959.000	4839.000
x		112.229%	0.009	170.300	169.900	0.000	10070.000	4891.000	4812.000
σ		0.477%	0.015	0.287	4.901	0.000	94.650	65.270	41.930
%RSD		0.425	174.000	0.169	2.884	0.000	0.940	1.334	0.871
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:30:59	285.100	356.000	0.000	128.400	11440.000	11510.000	99.940%	-0.090
2	06:31:42	290.400	350.200	0.000	124.300	11570.000	11570.000	98.469%	-0.159
3	06:32:25	287.800	351.200	0.000	129.000	11620.000	11710.000	97.594%	-0.131
x		287.800	352.500	0.000	127.200	11540.000	11600.000	98.667%	-0.126
σ		2.647	3.096	0.000	2.564	91.940	101.100	1.185%	0.035
%RSD		0.920	0.878	0.000	2.015	0.797	0.872	1.201	27.420
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:30:59	97.470	0.290	1.061	-1.454	67.160	0.111	0.205	0.013
2	06:31:42	102.900	0.307	1.031	-1.759	70.690	0.157	0.247	-0.048
3	06:32:25	103.600	0.299	1.133	-1.447	60.140	0.132	0.210	-0.054
x		101.300	0.299	1.075	-1.554	66.000	0.133	0.221	-0.030
σ		3.356	0.008	0.053	0.178	5.370	0.023	0.023	0.037
%RSD		3.312	2.735	4.892	11.470	8.137	17.350	10.410	124.700
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:30:59	0.170	0.348	0.013	2.120	0.474	0.728	0.000	23.580
2	06:31:42	0.054	-0.054	0.194	2.045	0.150	0.615	0.000	23.750
3	06:32:25	0.115	0.162	0.010	2.416	-0.172	1.306	0.000	23.370
x		0.113	0.152	0.072	2.194	0.151	0.883	0.000	23.570
σ		0.058	0.201	0.106	0.196	0.323	0.371	0.000	0.191
%RSD		51.320	132.000	145.900	8.950	214.000	41.990	0.000	0.808
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:30:59	101.907%	9.216	9.060	99.410%	-0.008	-0.003	-0.059	-0.017
2	06:31:42	101.928%	9.987	10.120	99.368%	-0.012	-0.003	-0.105	-0.058
3	06:32:25	102.486%	11.080	10.860	99.572%	-0.005	-0.003	-0.023	0.003
x		102.107%	10.090	10.010	99.450%	-0.008	-0.003	-0.062	-0.024
σ		0.328%	0.935	0.903	0.108%	0.004	0.000	0.041	0.031
%RSD		0.322	9.263	9.014	0.108	46.720	1.293	65.900	128.900
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:30:59	102.238%	-0.177	0.799	0.733	5.583	5.446	104.242%	104.352%
2	06:31:42	103.698%	-0.170	0.792	0.783	5.722	5.546	105.128%	104.624%
3	06:32:25	102.643%	-0.173	0.754	0.789	5.607	5.697	106.386%	104.829%
x		102.859%	-0.174	0.782	0.768	5.638	5.563	105.252%	104.602%
σ		0.754%	0.004	0.024	0.031	0.074	0.126	1.077%	0.239%
%RSD		0.733	2.038	3.091	4.012	1.315	2.273	1.024	0.229
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	06:30:59	-0.011	-0.005	-0.021	-0.027	-0.031	103.312%		
2	06:31:42	-0.008	-0.005	-0.022	-0.029	-0.026	103.845%		
3	06:32:25	-0.008	-0.008	-0.009	-0.031	-0.021	104.131%		
x		-0.009	-0.006	-0.017	-0.029	-0.026	103.762%		
σ		0.002	0.002	0.007	0.002	0.005	0.415%		
%RSD		22.660	27.290	40.170	6.284	18.780	0.400		

L99WJF 11/24/2010 6:34:38 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:35:21	112.414%	0.062	244.900	238.300	0.000	10160.000	4824.000	4764.000
2	06:36:04	113.133%	0.054	245.700	238.100	0.000	10220.000	4910.000	4810.000
3	06:36:47	112.789%	0.054	239.300	240.000	0.000	10190.000	4821.000	4789.000
x		112.779%	0.056	243.300	238.800	0.000	10190.000	4851.000	4788.000
σ		0.359%	0.005	3.510	1.070	0.000	29.920	50.570	23.430
%RSD		0.319	8.015	1.443	0.448	0.000	0.294	1.042	0.489

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:35:21	9.782	102.900	0.000	131.100	10570.000	10630.000	98.270%	-0.357
2	06:36:04	10.130	104.000	0.000	131.600	10690.000	10760.000	97.069%	-0.330
3	06:36:47	9.912	100.700	0.000	127.200	10760.000	10590.000	98.222%	-0.257
x		9.942	102.500	0.000	130.000	10670.000	10660.000	97.854%	-0.315
σ		0.176	1.645	0.000	2.398	96.470	87.970	0.680%	0.052
%RSD		1.774	1.604	0.000	1.845	0.904	0.825	0.695	16.360

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:35:21	9.388	0.193	3.116	17.050	84.640	7.264	3.622	0.325
2	06:36:04	9.866	0.237	3.236	18.480	82.870	7.412	3.511	0.290
3	06:36:47	9.449	0.271	3.112	20.030	80.540	7.332	3.367	0.315
x		9.568	0.234	3.155	18.520	82.680	7.336	3.500	0.310
σ		0.260	0.039	0.070	1.489	2.057	0.074	0.128	0.018
%RSD		2.718	16.820	2.224	8.042	2.488	1.009	3.653	5.800

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:35:21	0.522	2.815	2.831	1.807	0.930	0.628	0.000	11.290
2	06:36:04	0.580	2.656	2.650	2.231	0.843	0.505	0.000	11.360
3	06:36:47	0.449	2.644	2.639	1.877	1.037	0.966	0.000	11.190
x		0.517	2.705	2.706	1.972	0.937	0.699	0.000	11.280
σ		0.066	0.095	0.108	0.227	0.097	0.238	0.000	0.087
%RSD		12.710	3.525	3.995	11.530	10.360	34.100	0.000	0.773

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:35:21	101.765%	2.180	2.306	99.020%	-0.002	0.006	-0.077	-0.035
2	06:36:04	102.246%	2.059	2.085	98.912%	0.005	-0.000	0.001	-0.002
3	06:36:47	102.591%	1.883	1.936	98.637%	-0.003	-0.009	0.050	0.050
x		102.201%	2.041	2.109	98.856%	0.000	-0.001	-0.009	0.005
σ		0.415%	0.149	0.186	0.198%	0.004	0.008	0.064	0.043
%RSD		0.406	7.319	8.818	0.200	14920.000	729.700	748.800	956.200

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:35:21	101.964%	-0.162	0.811	0.816	7.971	7.873	101.748%	101.906%
2	06:36:04	101.816%	-0.152	0.762	0.816	8.050	7.680	104.176%	103.599%
3	06:36:47	101.531%	-0.169	0.755	0.831	7.348	7.754	104.306%	103.520%
x		101.770%	-0.161	0.776	0.821	7.790	7.769	103.410%	103.009%
σ		0.220%	0.008	0.031	0.009	0.384	0.098	1.441%	0.955%
%RSD		0.216	5.287	3.939	1.080	4.935	1.257	1.394	0.928

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:35:21	0.005	-0.002	-0.009	-0.008	-0.012	101.299%
2	06:36:04	-0.005	0.002	-0.024	-0.013	-0.017	102.111%
3	06:36:47	0.001	0.003	-0.007	-0.019	-0.010	103.285%
x		0.000	0.001	-0.013	-0.013	-0.013	102.231%
σ		0.005	0.002	0.009	0.006	0.004	0.998%
%RSD		33510.000	269.400	66.810	42.050	29.290	0.977

L99WKF 11/24/2010 6:39:00 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:39:43	111.341%	0.124	260.600	252.200	0.000	10240.000	4910.000	4882.000
2	06:40:26	112.065%	0.062	255.400	250.100	0.000	9991.000	4833.000	4766.000
3	06:41:09	109.978%	0.164	258.000	252.900	0.000	10320.000	4954.000	4843.000
x		111.128%	0.116	258.000	251.700	0.000	10180.000	4899.000	4830.000
σ		1.059%	0.051	2.629	1.433	0.000	169.800	61.090	58.970
%RSD		0.953	44.060	1.019	0.569	0.000	1.668	1.247	1.221

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:39:43	12.950	124.400	0.000	123.200	11270.000	11100.000	97.022%	-0.280
2	06:40:26	13.110	119.400	0.000	120.500	11140.000	11110.000	97.856%	-0.281
3	06:41:09	13.040	121.600	0.000	121.000	11100.000	10940.000	97.559%	-0.306
x		13.030	121.800	0.000	121.600	11170.000	11050.000	97.479%	-0.289
σ		0.082	2.497	0.000	1.447	90.570	100.000	0.423%	0.015
%RSD		0.628	2.050	0.000	1.191	0.811	0.905	0.434	5.067

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:39:43	8.247	0.477	4.948	29.450	100.500	5.684	3.224	0.353
2	06:40:26	8.165	0.419	4.726	30.660	94.620	5.486	3.001	0.418
3	06:41:09	8.712	0.446	4.722	31.970	93.040	5.540	2.888	0.348
x		8.375	0.447	4.799	30.690	96.070	5.570	3.038	0.373
σ		0.295	0.029	0.129	1.261	3.958	0.102	0.171	0.039
%RSD		3.520	6.382	2.694	4.108	4.120	1.831	5.620	10.530

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:39:43	0.520	3.144	2.886	1.548	1.085	0.420	0.000	13.790
2	06:40:26	0.428	2.778	3.225	1.257	0.501	0.456	0.000	13.980
3	06:41:09	0.625	2.851	3.584	1.591	-0.074	0.922	0.000	13.990
x		0.524	2.924	3.232	1.465	0.504	0.599	0.000	13.920
σ		0.099	0.194	0.349	0.182	0.580	0.280	0.000	0.114
%RSD		18.810	6.630	10.790	12.410	115.000	46.730	0.000	0.817

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:39:43	100.829%	1.053	1.030	97.491%	-0.004	-0.005	0.019	0.029
2	06:40:26	101.125%	0.980	1.028	97.956%	-0.006	-0.012	-0.042	-0.013
3	06:41:09	101.426%	0.859	1.015	98.397%	-0.003	-0.003	-0.166	-0.099
x		101.127%	0.964	1.025	97.948%	-0.004	-0.007	-0.063	-0.028
σ		0.298%	0.098	0.008	0.453%	0.002	0.005	0.094	0.065
%RSD		0.295	10.160	0.793	0.463	33.730	74.570	149.400	234.300

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:39:43	101.347%	-0.178	0.693	0.633	7.910	7.529	101.969%	102.057%
2	06:40:26	102.157%	-0.195	0.557	0.587	7.521	7.708	103.058%	103.260%
3	06:41:09	102.274%	-0.185	0.647	0.600	6.997	7.766	104.548%	104.735%
x		101.926%	-0.186	0.632	0.607	7.476	7.668	103.192%	103.350%
σ		0.505%	0.008	0.069	0.024	0.458	0.124	1.295%	1.341%
%RSD		0.495	4.460	10.930	3.958	6.130	1.614	1.255	1.298

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:39:43	0.003	-0.002	-0.019	-0.016	-0.015	101.964%
2	06:40:26	-0.004	-0.002	-0.016	-0.028	-0.026	103.007%
3	06:41:09	-0.003	-0.002	-0.011	-0.037	-0.026	104.040%
x		-0.001	-0.002	-0.015	-0.027	-0.022	103.004%
σ		0.004	0.000	0.004	0.010	0.006	1.038%
%RSD		309.800	7.324	28.330	38.050	27.410	1.008

L99WLF 11/24/2010 6:43:21 AM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:44:04	112.546%	0.092	192.300	193.500	0.000	10170.000	4911.000	4859.000
2	06:44:47	111.824%	0.070	195.100	194.700	0.000	10200.000	4960.000	4886.000
3	06:45:30	111.225%	0.078	202.400	197.100	0.000	10330.000	5019.000	4982.000
x		111.865%	0.080	196.600	195.100	0.000	10240.000	4963.000	4909.000
σ		0.661%	0.011	5.240	1.845	0.000	87.720	54.280	64.610
%RSD		0.591	14.100	2.665	0.945	0.000	0.857	1.094	1.316

Run	Time	27Al	28Si	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:44:04	7.452	108.600	0.000	98.380	11090.000	11060.000	96.886%	-0.280
2	06:44:47	7.298	109.600	0.000	95.900	10740.000	10940.000	97.348%	-0.331
3	06:45:30	7.233	111.100	0.000	95.850	11260.000	11040.000	95.997%	-0.354
x		7.328	109.800	0.000	96.710	11030.000	11010.000	96.744%	-0.321
σ		0.113	1.257	0.000	1.447	265.100	65.640	0.687%	0.038
%RSD		1.539	1.144	0.000	1.496	2.403	0.596	0.710	11.850

Run	Time	51V	52Cr	55Mn	56Fe	57Fe	59Co	60Ni	63Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:44:04	9.654	0.154	2.508	27.490	100.200	4.071	2.336	0.573
2	06:44:47	9.933	0.068	2.479	27.500	93.890	4.200	2.424	0.560
3	06:45:30	9.987	0.140	2.589	29.900	88.240	4.282	2.177	0.554
x		9.858	0.121	2.525	28.300	94.100	4.184	2.312	0.563
σ		0.178	0.046	0.057	1.384	5.969	0.106	0.125	0.009
%RSD		1.809	38.260	2.259	4.892	6.343	2.540	5.403	1.650

Run	Time	65Cu	66Zn	68Zn	75As	78Se	82Se	83Kr	88Sr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:44:04	0.738	3.113	3.415	1.360	0.082	-0.228	0.000	11.610
2	06:44:47	0.739	3.088	2.756	1.653	0.316	1.320	0.000	11.700
3	06:45:30	0.704	3.133	2.886	1.216	-0.052	0.878	0.000	11.600
x		0.727	3.111	3.019	1.410	0.115	0.657	0.000	11.630
σ		0.020	0.022	0.349	0.223	0.186	0.797	0.000	0.056
%RSD		2.737	0.719	11.570	15.800	161.300	121.400	0.000	0.480

Run	Time	89Y	95Mo	98Mo	103Rh	107Ag	109Ag	111Cd	114Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:44:04	101.407%	1.045	1.007	98.286%	0.008	0.003	-0.022	-0.026
2	06:44:47	100.469%	1.067	0.983	97.970%	0.005	0.006	-0.103	-0.045
3	06:45:30	100.107%	0.904	1.042	97.422%	-0.001	0.008	-0.105	-0.058
x		100.661%	1.005	1.011	97.893%	0.004	0.006	-0.076	-0.043
σ		0.671%	0.088	0.030	0.437%	0.005	0.002	0.048	0.016
%RSD		0.667	8.772	2.944	0.447	124.300	41.580	62.180	37.660

Run	Time	115In	118Sn	121Sb	123Sb	135Ba	137Ba	159Tb	165Ho
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:44:04	101.216%	-0.170	0.431	0.460	5.461	5.273	102.808%	102.057%
2	06:44:47	101.566%	-0.149	0.484	0.548	5.392	5.475	103.624%	103.062%
3	06:45:30	101.481%	-0.143	0.482	0.418	5.451	5.626	102.508%	102.834%
x		101.421%	-0.154	0.466	0.475	5.435	5.458	102.980%	102.651%
σ		0.182%	0.014	0.030	0.066	0.037	0.177	0.577%	0.527%
%RSD		0.180	9.295	6.397	13.880	0.690	3.249	0.561	0.513

Run	Time	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
1	06:44:04	-0.000	-0.000	-0.015	-0.003	-0.010	102.119%
2	06:44:47	-0.000	0.001	-0.007	-0.018	-0.013	101.947%
3	06:45:30	-0.009	-0.001	-0.014	-0.010	-0.011	102.435%
x		-0.003	0.000	-0.012	-0.010	-0.011	102.167%
σ		0.005	0.001	0.005	0.007	0.002	0.248%
%RSD		153.600	1048.000	38.720	70.970	13.590	0.243

CCV1-11 11/24/2010 6:50:34 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:51:18	101.529%	96.320	95.260	95.920	0.000	47600.000	53910.000	53120.000
2	06:52:01	101.747%	95.530	93.330	93.650	0.000	47570.000	54760.000	54030.000
3	06:52:44	103.287%	96.610	92.270	96.350	0.000	47970.000	54920.000	54120.000
x		102.188%	96.154%	93.622%	95.305%	0.000	95.425%	109.059%	107.509%
σ		0.958%	n/a	n/a	n/a	0.000	n/a	n/a	n/a
%RSD		0.938	0.579	1.620	1.525	0.000	0.474	0.989	1.032
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:51:18	525.300	5004.000	0.000	49220.000	48280.000	48240.000	97.715%	95.820
2	06:52:01	537.000	5047.000	0.000	49950.000	49220.000	49020.000	97.025%	96.960
3	06:52:44	533.100	5024.000	0.000	50900.000	50330.000	49440.000	98.041%	97.380
x		106.365%	100.504%	0.000	100.046%	98.561%	97.800%	97.594%	96.722%
σ		n/a	n/a	0.000	n/a	n/a	n/a	0.519%	n/a
%RSD		1.122	0.432	0.000	1.685	2.082	1.242	0.532	0.832
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:51:18	95.280	94.980	482.600	24030.000	23840.000	94.750	96.390	96.520
2	06:52:01	97.570	96.120	486.600	24390.000	24070.000	96.160	97.950	96.690
3	06:52:44	98.800	96.870	489.900	24390.000	24080.000	95.770	97.150	98.230
x		97.218%	95.991%	97.273%	97.074%	95.991%	95.558%	97.165%	97.144%
σ		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
%RSD		1.841	0.994	0.755	0.844	0.587	0.764	0.802	0.968
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:51:18	96.330	99.570	98.600	99.310	99.260	98.020	0.000	98.260
2	06:52:01	96.790	102.800	103.700	100.000	99.990	98.610	0.000	98.710
3	06:52:44	97.730	102.700	101.600	98.940	99.200	100.200	0.000	99.880
x		96.951%	101.671%	101.296%	99.431%	99.484%	98.941%	0.000	98.951%
σ		n/a	n/a	n/a	n/a	n/a	n/a	0.000	n/a
%RSD		0.738	1.788	2.517	0.563	0.446	1.134	0.000	0.842
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:51:18	98.019%	90.620	91.540	92.318%	98.970	98.290	99.870	100.000
2	06:52:01	99.719%	94.860	97.370	93.711%	98.720	98.920	102.700	99.980
3	06:52:44	101.110%	99.360	100.900	94.883%	98.980	98.270	98.910	99.220
x		99.616%	94.948%	96.586%	93.637%	98.891%	98.494%	100.495%	99.737%
σ		1.548%	n/a	n/a	1.284%	n/a	n/a	n/a	n/a
%RSD		1.554	4.601	4.876	1.371	0.148	0.378	1.964	0.446
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:51:18	96.189%	97.960	99.270	99.170	98.770	99.220	99.332%	98.927%
2	06:52:01	98.026%	97.620	99.960	98.990	98.640	97.480	101.690%	101.098%
3	06:52:44	99.617%	98.530	99.930	100.400	100.700	98.290	102.680%	102.298%
x		97.944%	98.036%	99.721%	99.519%	99.369%	98.332%	101.234%	100.774%
σ		1.715%	n/a	n/a	n/a	n/a	n/a	1.720%	1.709%
%RSD		1.751	0.472	0.392	0.767	1.160	0.888	1.699	1.696
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	06:51:18	95.140	94.870	94.730	95.100	94.870	106.954%		
2	06:52:01	95.970	96.840	97.700	97.150	97.300	106.490%		
3	06:52:44	98.690	98.560	98.830	98.430	98.710	105.914%		
x		96.599%	96.757%	97.087%	96.895%	96.961%	106.453%		
σ		n/a	n/a	n/a	n/a	n/a	0.521%		
%RSD		1.922	1.906	2.180	1.733	1.999	0.489		

CCB11 11/24/2010 6:57:51 AM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:58:33	114.909%	0.016	3.614	3.091	0.000	-45.090	7.114	7.303
2	06:59:16	114.451%	-0.007	3.432	3.256	0.000	-42.750	9.796	9.506
3	07:00:00	115.222%	0.023	4.302	3.003	0.000	-42.750	10.190	10.150
x		114.861%	0.011	3.782	3.117	0.000	-43.530	9.032	8.986
σ		0.388%	0.015	0.459	0.129	0.000	1.353	1.673	1.492
%RSD		0.337	145.000	12.130	4.125	0.000	3.108	18.520	16.610
Run	**Time**	**27Al**	**28Si**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:58:33	-0.038	0.442	0.000	11.840	16.250	-8.542	101.618%	-0.361
2	06:59:16	-0.034	0.589	0.000	12.350	11.010	-3.563	101.992%	-0.361
3	07:00:00	0.171	0.201	0.000	12.550	11.100	-10.720	101.422%	-0.361
x		0.033	0.410	0.000	12.250	12.780	-7.610	101.677%	-0.361
σ		0.119	0.196	0.000	0.368	3.000	3.671	0.289%	0.000
%RSD		360.900	47.800	0.000	3.005	23.470	48.240	0.285	0.096
Run	**Time**	**51V**	**52Cr**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**	**63Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:58:33	0.190	-0.093	0.048	2.179	5.573	0.017	-0.099	-0.249
2	06:59:16	0.130	-0.095	0.039	1.852	5.568	0.011	-0.031	-0.290
3	07:00:00	0.227	-0.069	0.044	1.282	-2.381	0.003	-0.055	-0.315
x		0.182	-0.086	0.043	1.771	2.920	0.011	-0.062	-0.285
σ		0.049	0.014	0.005	0.454	4.591	0.007	0.035	0.033
%RSD		26.920	16.610	10.450	25.640	157.200	65.220	55.930	11.720
Run	**Time**	**65Cu**	**66Zn**	**68Zn**	**75As**	**78Se**	**82Se**	**83Kr**	**88Sr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:58:33	-0.091	-0.538	-0.469	-0.112	0.848	0.312	0.000	0.014
2	06:59:16	-0.129	-0.540	-0.587	-0.231	0.803	0.216	0.000	0.032
3	07:00:00	-0.096	-0.507	-0.528	-0.005	0.623	0.192	0.000	0.029
x		-0.105	-0.528	-0.528	-0.116	0.758	0.240	0.000	0.025
σ		0.020	0.018	0.059	0.113	0.119	0.064	0.000	0.010
%RSD		19.370	3.440	11.160	97.580	15.700	26.470	0.000	39.000
Run	**Time**	**89Y**	**95Mo**	**98Mo**	**103Rh**	**107Ag**	**109Ag**	**111Cd**	**114Cd**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:58:33	104.090%	0.875	0.739	101.582%	0.005	0.006	0.049	0.051
2	06:59:16	105.276%	0.657	0.825	103.062%	0.011	0.010	-0.007	0.001
3	07:00:00	104.713%	0.710	0.698	103.120%	0.005	0.020	-0.012	0.006
x		104.693%	0.747	0.754	102.588%	0.007	0.012	0.010	0.019
σ		0.593%	0.114	0.065	0.872%	0.003	0.008	0.034	0.028
%RSD		0.566	15.210	8.584	0.850	45.760	63.790	338.800	142.400
Run	**Time**	**115In**	**118Sn**	**121Sb**	**123Sb**	**135Ba**	**137Ba**	**159Tb**	**165Ho**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:58:33	105.194%	-0.074	0.242	0.226	-0.016	0.026	104.349%	104.104%
2	06:59:16	105.049%	-0.084	0.232	0.199	-0.026	0.004	106.028%	105.161%
3	07:00:00	105.113%	-0.120	0.221	0.190	0.012	-0.007	106.507%	105.602%
x		105.119%	-0.093	0.232	0.205	-0.010	0.008	105.628%	104.955%
σ		0.072%	0.024	0.011	0.019	0.020	0.017	1.133%	0.770%
%RSD		0.069	26.270	4.542	9.218	203.200	216.400	1.073	0.734
Run	**Time**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb		
1	06:58:33	0.027	0.020	-0.016	-0.026	-0.020	100.946%		
2	06:59:16	0.037	0.026	0.006	-0.017	-0.013	103.309%		
3	07:00:00	0.021	0.018	-0.015	-0.027	-0.025	104.350%		
x		0.028	0.021	-0.008	-0.023	-0.019	102.868%		
σ		0.008	0.004	0.013	0.006	0.006	1.744%		
%RSD		27.580	19.760	153.900	23.520	32.230	1.696		

TestAmerica Pittsburgh Atomic Absorption Data for Mercury

Instrument: (HG HYDRA AA)
PS200HG

Analyst Name: William a Hoyle

Analysis Date: 11-16-10

File ID: G01116A

Matrix: SOIL

Analytical Method(s): 245.1 / 7470A / 245.5 / (7471A) / ILM04.0

Lot Number/SDG

COK010463 SED
COK030562
COK110402 WASTE TCLP
↓ 409
COK120584
↓ 587
COK130403
AOK030532
↓ 548
COK150411
COK060455
COK110494

William a Hoyle
11-16-10

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 2 07:50:58 16 Nov 10 HG

Hg .000 ppb 404

*** Standard: 2 Rep: 1 Seq: 3 07:52:36 16 Nov 10 HG

Hg .200 ppb 1473 MET6163-10

*** Standard: 3 Rep: 1 Seq: 4 07:54:18 16 Nov 10 HG

Hg .500 ppb 2879 MET6164-10

*** Standard: 4 Rep: 1 Seq: 5 07:55:57 16 Nov 10 HG

Hg 1.00 ppb 5041 MET6165-10

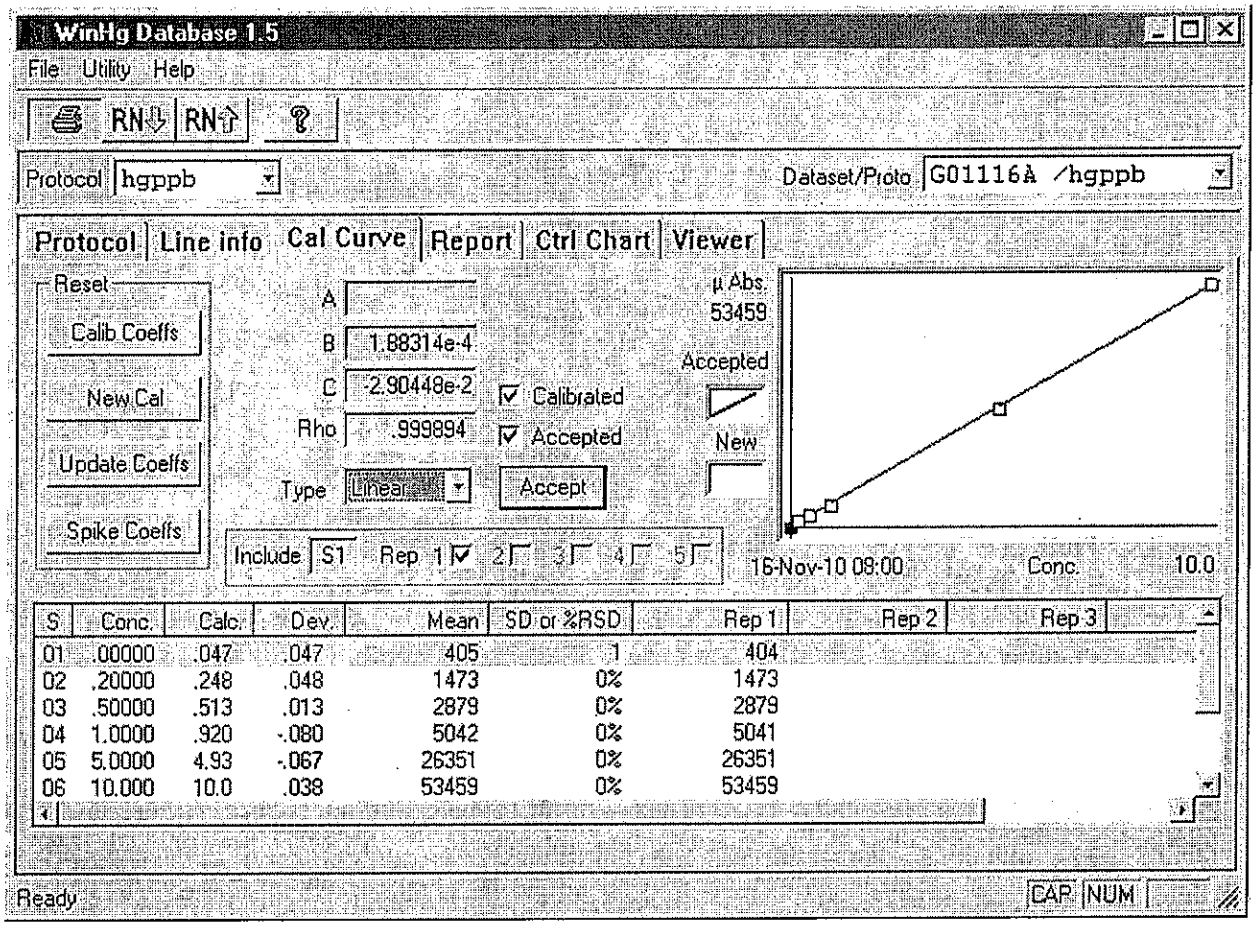
*** Standard: 5 Rep: 1 Seq: 6 07:57:38 16 Nov 10 HG

Hg 5.00 ppb 26351 MET6166-10

*** Standard: 6 Rep: 1 Seq: 7 07:59:16 16 Nov 10 HG

Hg 10.0 ppb 53459 MET6167-10

William a Hoyle
11-16-10



William a Hoyle
11-16-10

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: ICV6-1 Seq: 8 08:01:23 16 Nov 10 HG

Hg 2.60 ppb 13973 MET6168-10

*** Sample ID: ICB1 Seq: 9 08:03:04 16 Nov 10 HG

Hg .040 ppb 369

*** Sample ID: CRA/RLV Seq: 10 08:04:42 16 Nov 10 HG

Hg .209 ppb 1262 MET6169-10

*** Sample ID: CCV6-1 Seq: 11 08:06:21 16 Nov 10 HG

Hg 5.01 ppb 26782 MET6170-10

*** Sample ID: CCB1 Seq: 12 08:07:59 16 Nov 10 HG

Hg .035 ppb 339

*** Sample ID: L934VB Seq: 13 08:09:37 16 Nov 10 HG

Hg .049 ppb 412

*** Sample ID: L934VC Seq: 14 08:11:14 16 Nov 10 HG

Hg 2.52 ppb 13561 MET6171-10

*** Sample ID: L9D6T Seq: 15 08:13:13 16 Nov 10 HG

Hg .109 ppb 731

*** Sample ID: L9D6W Seq: 16 08:15:05 16 Nov 10 HG

Hg .180 ppb 1110

*** Sample ID: L9D6X Seq: 17 08:16:45 16 Nov 10 HG

Hg .230 ppb 1373

*** Sample ID: L9D60 Seq: 18 08:18:32 16 Nov 10 HG

Hg .281 ppb 1645

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: L9D60S Seq: 19 08:20:13 16 Nov 10 HG SP. REC. 103%

Hg 1.31 ppb 7090

*** Sample ID: L9D60D Seq: 20 08:21:51 16 Nov 10 HG SP. REC. 98%

Hg 1.26 ppb 6833

*** Sample ID: L9D61 Seq: 21 08:23:28 16 Nov 10 HG

Hg .263 ppb 1551

*** Sample ID: L9D62 Seq: 22 08:25:04 16 Nov 10 HG

Hg .348 ppb 2002

*** Sample ID: CCV6-2 Seq: 23 08:26:41 16 Nov 10 HG

Hg 5.04 ppb 26894

*** Sample ID: CCB2 Seq: 24 08:28:31 16 Nov 10 HG

Hg .040 ppb 367

*** Sample ID: L9D63 Seq: 25 08:30:11 16 Nov 10 HG

Hg 1.27 ppb 6908

*** Sample ID: L9D64 Seq: 26 08:31:49 16 Nov 10 HG

Hg 1.48 ppb 8018

*** Sample ID: L9D65 Seq: 27 08:33:28 16 Nov 10 HG

Hg 1.79 ppb 9685

*** Sample ID: L9D9F Seq: 28 08:35:07 16 Nov 10 HG

Hg 1.81 ppb 9782

*** Sample ID: L9D9G Seq: 29 08:36:49 16 Nov 10 HG

Hg 1.55 ppb 8382

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: L9D9H Seq: 30 08:38:27 16 Nov 10 HG

Hg 1.71 ppb 9233

*** Sample ID: L9D9J Seq: 31 08:40:08 16 Nov 10 HG

Hg 1.48 ppb 7997

*** Sample ID: L9D9L Seq: 32 08:41:45 16 Nov 10 HG

Hg 1.97 ppb 10606

*** Sample ID: L9D9N Seq: 33 08:43:26 16 Nov 10 HG

Hg 2.38 ppb 12776

*** Sample ID: L9D9T Seq: 34 08:45:03 16 Nov 10 HG

Hg 1.20 ppb 6539

*** Sample ID: CCV6-3 Seq: 35 08:46:39 16 Nov 10 HG

Hg 5.01 ppb 26756

*** Sample ID: CCB3 Seq: 36 08:48:32 16 Nov 10 HG

Hg .044 ppb 388

*** Sample ID: L9D9X Seq: 37 08:50:20 16 Nov 10 HG

Hg 1.42 ppb 7672

*** Sample ID: L9D92 Seq: 38 08:52:03 16 Nov 10 HG

Hg 1.89 ppb 10174

*** Sample ID: L9D93 Seq: 39 08:53:45 16 Nov 10 HG

Hg 1.41 ppb 7626

*** Sample ID: L9D1L Seq: 40 08:55:36 16 Nov 10 HG

Hg 1.51 ppb 8148

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: L9340B Seq: 41 08:57:14 16 Nov 10 HG

Hg .040 ppb 367

*** Sample ID: L9340C Seq: 42 08:58:56 16 Nov 10 HG

Hg 2.39 ppb 12849 MET6172-10

*** Sample ID: L9HH3 Seq: 43 09:00:38 16 Nov 10 HG

Hg .179 ppb 1106

*** Sample ID: L9HH3S Seq: 44 09:02:17 16 Nov 10 HG SP. REC. 98%

Hg 1.16 ppb 6304

*** Sample ID: L9HH3D Seq: 45 09:03:55 16 Nov 10 HG SP. REC. 98%

Hg 1.16 ppb 6302

*** Sample ID: L9HH6 Seq: 46 09:05:34 16 Nov 10 HG

Hg 2.19 ppb 11765

*** Sample ID: CCV6-4 Seq: 47 09:07:17 16 Nov 10 HG

Hg 4.93 ppb 26360

*** Sample ID: CCB4 Seq: 48 09:08:59 16 Nov 10 HG

Hg .034 ppb 337

*** Sample ID: L9HH8 Seq: 49 09:10:49 16 Nov 10 HG

Hg 2.04 ppb 10965

*** Sample ID: L9HH9 Seq: 50 09:12:29 16 Nov 10 HG

Hg 1.36 ppb 7356

*** Sample ID: L9HJC Seq: 51 09:14:21 16 Nov 10 HG

Hg 2.07 ppb 11135

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: L9HJD Seq: 52 09:16:14 16 Nov 10 HG

Hg 2.84 ppb 15254

*** Sample ID: L9HJF Seq: 53 09:18:03 16 Nov 10 HG

Hg 2.89 ppb 15503

*** Sample ID: L9HJG Seq: 54 09:19:53 16 Nov 10 HG

Hg .217 ppb 1304

*** Sample ID: L9342BT Seq: 55 09:21:34 16 Nov 10 HG

Hg .041 ppb 371

*** Sample ID: L9342CT Seq: 56 09:23:21 16 Nov 10 HG

Hg 2.42 ppb 13014 MET6173-10

*** Sample ID: L9342LT Seq: 57 09:25:09 16 Nov 10 HG

Hg 2.34 ppb 12603 MET6174-10

*** Sample ID: L9VMRT Seq: 58 09:26:49 16 Nov 10 HG

Hg .039 ppb 362

*** Sample ID: CCV6-5 Seq: 59 09:28:27 16 Nov 10 HG

Hg 4.95 ppb 26415

*** Sample ID: CCB5 Seq: 60 09:30:08 16 Nov 10 HG

Hg .024 ppb 282

*** Sample ID: L9VM9T Seq: 61 09:31:46 16 Nov 10 HG

Hg .072 ppb 538

*** Sample ID: L91LLT Seq: 62 09:33:24 16 Nov 10 HG

Hg .048 ppb 407

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: L91LQT Seq: 63 09:35:05 16 Nov 10 HG

Hg .050 ppb 419

*** Sample ID: L91VKT Seq: 64 09:36:44 16 Nov 10 HG

Hg .049 ppb 416

*** Sample ID: L9346B Seq: 65 09:38:41 16 Nov 10 HG

Hg .040 ppb 366

*** Sample ID: L9346C Seq: 66 09:40:23 16 Nov 10 HG

Hg 2.41 ppb 12944 MET 6175-10

*** Sample ID: L9HAK Seq: 67 09:42:21 16 Nov 10 HG

Hg .169 ppb 1054

*** Sample ID: L9HAKS Seq: 68 09:44:04 16 Nov 10 HG SP.REC. 97%

Hg 1.14 ppb 6201

*** Sample ID: L9HAKD Seq: 69 09:45:45 16 Nov 10 HG VOID NOT REPORTING RUN FURTHER IN RUN WAH 11-16-10

Hg .105 ppb 711 Void

*** Sample ID: L9HAV Seq: 70 09:47:34 16 Nov 10 HG

Hg .006 ppb 186

*** Sample ID: CCV6-6 Seq: 71 09:49:12 16 Nov 10 HG

Hg 4.88 ppb 26084

*** Sample ID: CCB6 Seq: 72 09:50:51 16 Nov 10 HG

Hg .020 ppb 260

*** Sample ID: L9HEL Seq: 73 09:52:41 16 Nov 10 HG

Hg .050 ppb 422

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: L921N Seq: 74 09:54:20 16 Nov 10 HG

Hg .054 ppb 443

*** Sample ID: L9NDQ Seq: 75 09:56:19 16 Nov 10 HG

Hg 3.51 ppb 18790

*** Sample ID: L9NDV Seq: 76 09:57:59 16 Nov 10 HG

Hg .512 ppb 2872

*** Sample ID: L9NDW Seq: 77 09:59:57 16 Nov 10 HG

Hg .424 ppb 2406

*** Sample ID: L9WJC Seq: 78 10:01:37 16 Nov 10 HG

Hg 1.21 ppb 6594

*** Sample ID: L9HAKD Seq: 79 10:03:15 16 Nov 10 HG

SP. REC. 98%

Hg 1.15 ppb 6277

*** Sample ID: CCV6-7 Seq: 80 10:04:54 16 Nov 10 HG

Hg 4.92 ppb 26305

*** Sample ID: CCB7 Seq: 81 10:06:37 16 Nov 10 HG

Hg .029 ppb 306

END OF ANALYSIS

WAH
11-16-10

William a Hoyle
11-16-10

cup	sample ID	extended ID	weight	volume	? A D F P S U SC UI US C1..7
1	ICV6-1		1.0000	1.0000	
2	ICB1		1.0000	1.0000	
3	CRA/RLV		1.0000	1.0000	
4	CCV6-1		1.0000	1.0000	
5	CCB1		1.0000	1.0000	
6	L934VB		1.0000	1.0000	
7	L934VC		1.0000	1.0000	
8	L9D6T		1.0000	1.0000	
9	L9D6W		1.0000	1.0000	
10	L9D6X		1.0000	1.0000	
11	L9D60		1.0000	1.0000	
12	L9D60S		1.0000	1.0000	
13	L9D60D		1.0000	1.0000	
14	L9D61		1.0000	1.0000	
15	L9D62		1.0000	1.0000	
16	CCV6-2		1.0000	1.0000	
17	CCB2		1.0000	1.0000	
18	L9D63		1.0000	1.0000	
19	L9D64		1.0000	1.0000	
20	L9D65		1.0000	1.0000	
21	L9D9F		1.0000	1.0000	
22	L9D9G		1.0000	1.0000	
23	L9D9H		1.0000	1.0000	
24	L9D9J		1.0000	1.0000	
25	L9D9L		1.0000	1.0000	
26	L9D9N		1.0000	1.0000	
27	L9D9T		1.0000	1.0000	
28	CCV6-3		1.0000	1.0000	
29	CCB3		1.0000	1.0000	
30	L9D9X		1.0000	1.0000	
31	L9D92		1.0000	1.0000	
32	L9D93		1.0000	1.0000	
33	L9D1L		1.0000	1.0000	
34	L9340B		1.0000	1.0000	
35	L9340C		1.0000	1.0000	
36	L9HH3		1.0000	1.0000	
37	L9HH3S		1.0000	1.0000	
38	L9HH3D		1.0000	1.0000	
39	L9HH6		1.0000	1.0000	
40	CCV6-4		1.0000	1.0000	
41	CCB4		1.0000	1.0000	
42	L9HH8		1.0000	1.0000	
43	L9HH9		1.0000	1.0000	

cup	sample ID	extended ID	weight	volume	? A D F P S U SC UI US C1..7
44	L9HJC		1.0000	1.0000	

cup	sample ID	extended ID	weight	volume	? A D F P S U SC UI US C1..7
1	L9HJD		1.0000	1.0000	
2	L9HJF		1.0000	1.0000	
3	L9HJG		1.0000	1.0000	
4	L9342BT		1.0000	1.0000	
5	L9342CT		1.0000	1.0000	
6	L9342LT		1.0000	1.0000	
7	L9VMRT		1.0000	1.0000	
8	CCV6-5		1.0000	1.0000	
9	CCB5		1.0000	1.0000	
10	L9VM9T		1.0000	1.0000	
11	L91LLT		1.0000	1.0000	
12	L91LQT		1.0000	1.0000	
13	L91VKT		1.0000	1.0000	
14	L9346B		1.0000	1.0000	
15	L9346C		1.0000	1.0000	
16	L9HAK		1.0000	1.0000	
17	L9HAKS		1.0000	1.0000	
18	L9HAKD		1.0000	1.0000	
19	L9HAV		1.0000	1.0000	
20	CCV6-6		1.0000	1.0000	
21	CCB6		1.0000	1.0000	
22	L9HEL		1.0000	1.0000	
23	L921N		1.0000	1.0000	
24	L9NDQ		1.0000	1.0000	
25	L9NDV		1.0000	1.0000	
26	L9NDW		1.0000	1.0000	
27	L9WJC		1.0000	1.0000	
28	L9HAKD		1.0000	1.0000	
29	CCV6-7		1.0000	1.0000	
30	CCB7		1.0000	1.0000	
31			1.0000	1.0000	
32			1.0000	1.0000	
33			1.0000	1.0000	
34			1.0000	1.0000	
35			1.0000	1.0000	
36			1.0000	1.0000	
37			1.0000	1.0000	
38			1.0000	1.0000	
39			1.0000	1.0000	
40			1.0000	1.0000	
41			1.0000	1.0000	
42			1.0000	1.0000	
43			1.0000	1.0000	

TestAmerica Pittsburgh ~~Metals~~ Mercury Preparation Log

WAH 11-16-10

Batch No. 0320020

v1.0.5 - Last Revised 12/30/2005

Method 7471A	**Matrix** Solid SED	**Start Time** 0440-0640	**SDG** -
Analyst william hoyle	**Date** 111610	**Lot Numbers**	
MS Hg Working CAL		C0K010463	
Lab Lot # -MET6161-10			
Analyst Sign: W. William a Hoyle			

Sample ID	Initial Wt/Vol g/mL	Final Vol mL	Comments
L9D60	1.20g	100ml	WAH 11-16-10
L9D60 S			1ml MET 6161-10
L9D60 D			↓
L9D61			
L9D62			
L9D63			
L9D64			
L9D65			
L9D6T			
L9D6W			
L9D6X			
L9D92			
L9D93			WAH 11-16-10
L9D9F			
L9D9G			
L9D9H			
L9D9J			
L9D9L			
L9D9N			
L9D9T			
L9D9X			
L9E1L	↓		
L934V B	1.20g DI H2O		
L934V C	100ml	↓	MET 6171-10
			WAH 11-16-10

SAMPLE CODING: B-Blank C-Check L-Check Duplicate S-Matrix Spike D-Matrix Spike Duplicate X-Sample Duplicate

NOTE: Samples marked with an asterisk (*) required filtration after digestion and prior to analysis

Samples marked with a plus sign (+) required additional Conc.HNO3 in digestion process, brown fumes were observed

Reagents:

5.0ml H2SO4, J09F01, Mallinckrodt
5.0ml KMnO4, MET6101-10, Stnds. Log
8.0ml K2S2O4, MET6130-10, Stnds. Log
6.0ml Clear. Sol., MET6020-10, Stnds. Log
Stannous Chloride, MET 6044-10, Stnds. Log
2.0ml HNO3, J11045, Mallinckrodt

Hot Plate/Block Temp	Correction Factor
#2 95°C	TP30 0.6°C
WAH 11-16-10	

Minimum digestion times have been met (analyst initials):

Digestate(s)	Date	Time	(Received)	Analyst	Location	Date	Time	(Relinquished)	Analyst	Location
			WAH 11-16-10							

	Lot Number	Manufacturer	
Initial Digestion Vessel:	1005282	Env. Express	**Pipet #:** G10008
Final Digestion Vessel:	n/a	n/a	**Balance #:** P1856709
Filter Paper:	390592 B	Whatman	Printed on: 16-Nov-10 6:35:40 AM

Reviewed By: Kari Kristenbaum **Date:** 11/16/10 **MET-160-0320020**

TestAmerica Pittsburgh — Mercury Metals Preparation Log

Batch No. 0320022 | Page 1 of 1

WAH 11-16-10 V1.0.5 - Last Revised 12/30/2005

Method 7471A	**Matrix** Solid SED	**Start Time** 0440-0640	**SDG** -
Analyst william hoyle	**Date** 11-16-10	**Lot Numbers** C0K030562	
MS Hg Working CAL			
Lab Lot # -MET6161-10			
Analyst Sign: William C. Hoyle			

Sample ID	Initial Wt/Vol g/mL	Final Vol mL	Comments
L9HH3	1.20g	100ml	WAH 11-16-10
L9HH3 S			1ml MET6161-10
L9HH3 D			
L9HH6			
L9HH8			
L9HH9			
L9HJC			
L9HJD			WAH 11-16-10
L9HJF			
L9HJG			
L9340 B	1.20g DI H2O		
L9340 C	100ml		MET6172-10
			WAH 11-16-10

SAMPLE CODING: B-Blank C-Check L-Check Duplicate S-Matrix Spike D-Matrix Spike Duplicate X-Sample Duplicate

NOTE: Samples marked with an asterisk (*) required filtration after digestion and prior to analysis
Samples marked with a plus sign (+) required additional Conc.HNO3 in digestion process, brown fumes were observed

Reagents:
5.0ml H2SO4, J09F01, Mallinckrodt
5.0ml KMnO4, MET6101-10, Stnds. Log
8.0ml K2S2O4, MET6130-10, Stnds. Log
6.0ml Clear. Sol., MET6020-10, Stnds. Log
Stannous Chloride, MET 6044-10, Stnds. Log
2.0ml HNO3, J11045, Mallinckrodt

Minimum digestion times have been met (analyst initials):

Hot Plate/Block Temp	Correction Factor
#3 95°C	JP3 WAH 11-16-10 0.0°C
WAH 11-16-10	

Digestate(s)	Date	Time	(Received)	Analyst	Location	Date	Time	(Relinquished)	Analyst	Location
			WAH 11-16-10							

	Lot Number	Manufacturer	
Initial Digestion Vessel:	1005282	Env. Express	**Pipet #:** G10008
Final Digestion Vessel:	n/a	n/a	**Balance #:** P1856709
Filter Paper:	390592 B	Whatman	Printed on: 16-Nov-10 6:36:10 AM

Reviewed By: Ken Rosenbaum **Date:** 11/16/10 | MET-160-0320022

TestAmerica Pittsburgh — ~~Metals~~ Preparation Log

WAH 11-16-10 MERCURY

Batch No. 0320023

v1.0.5 - Last Revised 12/30/2005

Method 7471A	**Matrix** Waste TCLP	**Start Time** 0440-0640	**SDG** -
Analyst william hoyle	**Date** 11-16-10	**Lot Numbers** C0K110402, C0K110409, C0K120584, C0K120587, C0K130403	
MS Hg Working CAL			
Lab Lot # -MET6161-10			
Analyst Sign: William a Hoyle			

Sample ID	Initial Wt/Vol g/mL	Final Vol mL	Comments
L91LL T	0.6ml	100ml	
L91LQ			
L91VK			WAH 11-16-10
L9VM9			
L9VMR			
L9342 B	0.6ml DIH2O		
L9342 C	100ml		MET 6173-10
L9342 L			6174-10
			WAH 11-16-10

SAMPLE CODING: B-Blank C-Check L-Check Duplicate S-Matrix Spike D-Matrix Spike Duplicate X-Sample Duplicate

NOTE: Samples marked with an asterisk (*) required filtration after digestion and prior to analysis
Samples marked with a plus sign (+) required additional Conc.HNO3 in digestion process, brown fumes were observed

Reagents:
5.0ml H2SO4, J09F01, Mallinckrodt
5.0ml KMnO4, MET6101-10, Stnds. Log
8.0ml K2S2O4, MET6130-10, Stnds. Log
6.0ml Clear. Sol., MET6020-10, Stnds. Log
Stannous Chloride, MET 6044-10, Stnds. Log
2.0ml HNO3, J11045, Mallinckrodt

Hot Plate/Block Temp	Correction Factor
P3 95°C	P3/ 0.0°C
WAH 11-16-10	

Minimum digestion times have been met (analyst initials):

Digestate(s)	Date	Time	(Received)	Analyst	Location	Date	Time	(Relinquished)	Analyst	Location
			WAH 11-16-10							

	Lot Number	Manufacturer	
Initial Digestion Vessel:	1005282	Env. Express	**Pipet #:** G10008
Final Digestion Vessel:	n/a	n/a	**Balance #:** P1856709
Filter Paper:	390592 B	Whatman	Printed on: 16-Nov-10 6:36:45 AM

Reviewed By: Lori Rosenbaum **Date:** 11/16/10 **MET-160-0320023**

TestAmerica Pittsburgh — Metals Preparation Log

Batch No. 0320026 | Page 1 of 1

Mercury WAH 11-16-10 v1.0.5 - Last Revised 12/30/2005

Method 7471A	**Matrix** Solid	**Start Time** 0440-0640	**SDG** -
Analyst william hoyle	**Date** 11-16-10	**Lot Numbers** A0K030532, A0K030548, C0K060455, C0K110494, C0K150411	
MS Hg Working CAL			
Lab Lot # -MET6161-10			
Analyst Sign: William S Hoyle			

Sample ID	Initial Wt/Vol g/mL	Final Vol mL	Comments
L921N	0.6g	100ml	WAH 11-16-10
L9HAK			
L9HAK S			1ml MET6161-10
L9HAK D			
L9HAV			
L9HEL			
L9NDQ			
L9NDV			WAH 11-16-10
L9NDW			
L9WJC			
L9346 B	0.6g DI H2O		
L9346 C	100ml		MET6175-10
			WAH 11-16-10

SAMPLE CODING: B-Blank C-Check L-Check Duplicate S-Matrix Spike D-Matrix Spike Duplicate X-Sample Duplicate

NOTE: Samples marked with an asterisk (*) required filtration after digestion and prior to analysis
Samples marked with a plus sign (+) required additional Conc.HNO3 in digestion process, brown fumes were observed

Reagents:
5.0ml H2SO4, J09F01, Mallinckrodt
5.0ml KMnO4, MET6101-10, Stnds. Log
8.0ml K2S2O4, MET6130-10, Stnds. Log
6.0ml Clear. Sol., MET6020-10, Stnds. Log
Stannous Chloride, MET 6044-10, Stnds. Log
2.0ml HNO3, J11045, Mallinckrodt

Hot Plate/Block Temp	Correction Factor
#4 95°C	IR33 0.0°C
WAH 11-16-10	

Minimum digestion times have been met (analyst initials):

Digestate(s)	Date	Time	(Received)	Analyst	Location	Date	Time	(Relinquished)	Analyst	Location
			WAH 11-16-10							

	Lot Number	Manufacturer	
Initial Digestion Vessel:	1005282	Env. Express	**Pipet #:** G10008
Final Digestion Vessel:	n/a	n/a	**Balance #:** P1856709
Filter Paper:	390592 B	Whatman	Printed on: 16-Nov-10 6:37:14 AM

Reviewed By: Ron Rosenbaum **Date:** 11/16/10 **MET-160-0320026**

TestAmerica tsburgh

Mercury Digestion Log v2 8/11/06

Method(s) 7471A

Logbook ID: MT3F

Digestion Start Time: 09:40 | Digestion End Time: 06:40 | Filter Paper Manufacturer / Lot#: | Balance ID: P1856709

	Sample ID	Batch	Date Received	Prep Date	Prepared by	Wt/ Volume	Sample Type	Run Date	Comments
1.	STD0	N/A	N/A	11-16-10	WAH	100ml	WATER	11-16-10	N/A
2.	STD1								MET 6163-10
3.	STD2								6164-10
4.	STD3								6165-10
5.	STD4								6166-10
6.	STD5								6167-10
7.	ICV								6168-10
8.	ICB								N/A
9.	CRA/RLV								MET 6169-10
10.	CCV								6170-10
11.	CCB								N/A
12.									
13.									
14.									
15.									
16.									
17.									
18.									
19.					WAH	11-16-10			
20.									
21.									
22.									
23.									
24.									
25.									

Reagents	Volume (mL)	Reference Number
HNO3	2.0ml	MALLINCKRODT JJ1045
H2SO4	5.0ml	JOYF01
KMNO4	5.0ml	MET 6101-10
K2S2O4	8.0ml	6130-10
NaCL NH2OH Additional volumes indicated per sample as necessary	6.0ml	6020-10
Stannous Chloride	N/A	6044-10

Hot Block Number: 1 IP29 CF 0.0°C

Hot Block Temperature: 95°C

Waterbath temperature:

Thermometer ID:

Extract(s) (record line # from above)	Date	Time	Extract(s) Received	Analyst	Location	Date	Time	Extract(s) Relinquished	Analyst	Location
			WAH 11-16-10							

printed on: 22-Sep-10 8:02:25 AM

*-Sample required filtration step after digestion

(3001-3372) 3367 C0K030562

v1.0.5 - Last Revised 12/30/2005

Method 6020	**Matrix** Water	**Start Time** 1337	**SDG** -
Analyst Jessica Ryan	**Date** 11-19-10	**Lot Numbers**	
MS TAPITT-MS-A, TAPITT-MS-C, TAPITT-MS-ICPMS		C0K050507, C0K100530, C0K120411	
Lab Lot # MET 6210-10, MET 6083-10, MET 5213-10			
Analyst Sign: Jessica Ryan			

Sample ID	Initial Wt/Vol g/mL	Final Vol mL	Comments
L9L03	50ml	50ml	
L9TT8 *	↓	↓	11/19/10 JR
L9TT8 S *	↓	↓	+0.5ml MS-A, MS-C, MS-ICPMS
L9TT8 D *	↓	↓	↓ ↓ ↓ ↓
L9TVM *	↓	↓	
L9X16	↓	↓	11/19/10 JR
MAA1M B *	50ml DI	↓	
MAA1M C *	↓	↓	+0.5ml MS-A, MS-C, MS-ICPMS

11/19/10 JR

SAMPLE CODING: B-Blank C-Check L-Check Duplicate S-Matrix Spike D-Matrix Spike Duplicate X-Sample Duplicate

NOTE: Samples marked with an asterisk (*) required filtration after digestion and prior to analysis
Samples marked with a plus sign (+) required additional Conc.HNO3 in digestion process, brown fumes were observed

Reagents: 1.5 ml Opt. Conc. HNO3, 6901 G16430, JT Baker
5 ml 1:1 Optima HCL, MET 5422-10, Stds. Log

Hot Plate/Block Temp	Correction Factor
#3/96°C	±0.0°C

Minimum digestion times have been met (analyst initials): JR

Digestate(s)	Date	Time	(Received)	Analyst	Location	Date	Time	(Relinquished)	Analyst	Location
All Above	11/19/10	1854		JR	PREP	11/19/10	1915		JR	CY
All Above	11-22-10	1450		WR	CY	11-22-10	1700		WR	CY
All Above	11-23-10	1800		WR	CY	11-23-10	2050		WR	CY

	Lot Number	Manufacturer	
Initial Digestion Vessel:	1008257	Envr. Express	**Pipet #:** 03F95602
Final Digestion Vessel:	NA	na	**Balance #:** NA
Filter Paper:	NA	na	Printed on: 19-Nov-10 4:37:31 PM

Reviewed By: Ron Rebers Date: 11/19/10 MET-160-0323293

v1.0.5 - Last Revised 12/30/2005

Method 6020 Soil	**Matrix** Solid	**Start Time** 1450	**SDG** -
Analyst Jessica Ryan	**Date** 11-19-10	**Lot Numbers**	
MS TAPITT-MS-A, TAPITT-MS-C, TAPITT-MS-ICPMS		C0K030562, C0K050507, C0K100530, C0K120411	
Lab Lot # MET 6210-10, MET 6083-10, MET 5213-10			
Analyst Sign Jessica Ryan			

Sample ID	Initial Wt/Vol g/mL	Final Vol mL	Comments
L9HH3	2.02 g	100ml	
L9HH6	2.47 g		
L9HH8	2.28 g		
L9HH9	2.34 g		
L9HJC	2.10 g		
L9HJD	2.39 g		
L9HJF	2.08 g		
L9HJG	2.42 g		11/19/10 JR
L9L1A	2.22 g		
L9L1E	2.01 g		
L9TVE	2.02 g		
L9TVJ	2.27 g		
L9X0X	2.09 g		
L9X0X S	2.06 g		+1.0ml MS-A, MS-C, MS-ICPMS
L9X0X D	2.30 g		
L9X11	2.45 g		
L9X12	2.04 g		
L9X1A	2.17 g		11/19/10 JR
L9X1C	2.44 g		
L9X1E	2.45 g		
L9X1M	2.14 g		
L9X1P	2.21 g		
MAA10 B	2.53g		
MAA10 C	2.03g		+1.0ml MS-A, MS-C, MS-ICPMS
			11/19/10 JR

SAMPLE CODING: B-Blank C-Check L-Check Duplicate S-Matrix Spike D-Matrix Spike Duplicate X-Sample Duplicate

NOTE: Samples marked with an asterisk (*) required filtration after digestion and prior to analysis
Samples marked with a plus sign (+) required additional Conc.HNO3 in digestion process, brown fumes were observed

Reagents: 5 ml Optima Conc HNO3, 6901 G16430, JT Baker
10 ml 1:1 Optima HNO3, MET 6114-10, Stds. Log
10ml Opt. Conc. HCl, V078 J17N63, Mallinckrodt
10 ml 30% H2O2, 3408 J15A02, Mallinckrodt

Minimum digestion times have been met (analyst initials): JR

Hot Plate/Block Temp	Correction Factor
#10/ 94°C	-1.0°C

Digestate(s)	Date	Time	(Received)	Analyst	Location	Date	Time	(Relinquished)	Analyst	Location
All Above	11/19/10	1817		JR	ARSD	11/19/10	1840		JR	C7
All Above	11-22-10	1450		DM	C7	11-22-10	1700		WK	C7
All Above	11-23-10	1800		WK	C7	11-23-10	2050		WK	C7

	Lot Number	Manufacturer	
Initial Digestion Vessel:	1007292	Environmental Express	**Pipet #:** 03F95602
Final Digestion Vessel:	100911	Corning	**Balance #:** P1856710
Filter Paper:	0390592B	Whatman	Printed on: 19-Nov-10 4:40:57 PM

Reviewed By: Ron Rice Date: 11/19/10 MET-160-0323296

REQUESTED BY: **RYANJ**

METHOD: MH Inductively Coupled Plasma Mass Spectrometry(6020)

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD
2D	L9TVE	___ ___ ___	921084	374256	A-46-MH	C0K100530	002		SOLID	2	1
2D	L9TVJ	___ ___ ___	921085	374256	A-46-MH	C0K100530	003		SOLID	2	1
23C	L9HH3	___ ___ ___	921074	356280	A-46-MH	C0K030562	001		SOLID	2	1
23C	L9HH6	___ ___ ___	921075	356280	A-46-MH	C0K030562	002		SOLID	2	1
23C	L9HH8	___ ___ ___	921076	356280	A-46-MH	C0K030562	003		SOLID	2	1
23C	L9HH9	___ ___ ___	921077	356280	A-46-MH	C0K030562	004		SOLID	2	1
23C	L9HJC	___ ___ ___	921078	356280	A-46-MH	C0K030562	005		SOLID	2	1
23C	L9HJD	___ ___ ___	921079	356280	A-46-MH	C0K030562	006		SOLID	2	1
23C	L9HJF	___ ___ ___	921080	356280	A-46-MH	C0K030562	007		SOLID	2	1
23C	L9HJG	___ ___ ___	921081	356280	A-46-MH	C0K030562	008		SOLID	2	1
25C,OUT	L9L1A	___ ___ ___	921082	435048	A-46-MH	C0K050507	003		SOLID	5	1
25C,OUT	L9L1E	___ ___ ___	921083	435048	A-46-MH	C0K050507	004		SOLID	5	1
4C OUT	L9X0X	___ ___ ___	921086	433004	A-46-MH	C0K120411	001		SOLID	1	1
4C OUT	L9X1A	___ ___ ___	921087	433004	A-46-MH	C0K120411	005		SOLID	3	1
4C OUT	L9X1C	___ ___ ___	921088	433004	A-46-MH	C0K120411	006		SOLID	1	1
4C OUT	L9X1E	___ ___ ___	921089	433004	A-46-MH	C0K120411	007		SOLID	3	1
4C OUT	L9X1M	___ ___ ___	921090	433004	A-46-MH	C0K120411	011		SOLID	1	1
4C OUT	L9X1P	___ ___ ___	921091	433004	A-46-MH	C0K120411	012		SOLID	3	1
4C OUT	L9X11	___ ___ ___	921092	433004	A-46-MH	C0K120411	016		SOLID	1	1
4C OUT	L9X12	___ ___ ___	921093	433004	A-46-MH	C0K120411	017		SOLID	3	1

REQUESTED BY: **RYANJ**

METHOD: MH Inductively Coupled Plasma Mass Spectrometry(6020)

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD

RELINQUISHED BY	RECEIVED BY	DATE/TIME
Jessica Rejm	Jessica Rejm	11/19/10 1310
Jessica Rejm	Jessica Rejm	11/19/10 1500

***** END OF REPORT *****

REQUESTED BY: **HOYLEW**

METHOD: 09 Mercury (7471A, Cold Vapor) - Solids

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD
23C	L9HH3	___ ___ ___	917101	356280	A-70-09	C0K030562	001		SOLID	0	2 1
23C	L9HH6	___ ___ ___	917102	356280	A-70-09	C0K030562	002		SOLID	0	2 1
23C	L9HH8	___ ___ ___	917103	356280	A-70-09	C0K030562	003		SOLID	0	2 1
23C	L9HH9	___ ___ ___	917104	356280	A-70-09	C0K030562	004		SOLID	0	2 1
23C	L9HJC	___ ___ ___	917105	356280	A-70-09	C0K030562	005		SOLID	0	2 1
23C	L9HJD	___ ___ ___	917106	356280	A-70-09	C0K030562	006		SOLID	0	2 1
23C	L9HJF	___ ___ ___	917107	356280	A-70-09	C0K030562	007		SOLID	0	2 1
23C	L9HJG	___ ___ ___	917108	356280	A-70-09	C0K030562	008		SOLID	0	2 1

RELINQUISHED BY	RECEIVED BY	DATE/TIME
William a Hoyle	William a Hoyle	11-16-10 0215 0
William a Hoyle	William a Hoyle	11-16-10 04:40

***** END OF REPORT *****

GENERAL CHEMISTRY DATA

Leo Brausch Koppers Pond

Cyanide, Total

Lab Name: TESTAMERICA PITTSBURGH
Client Name: Leo Brausch Consulting
Matrix: SOLID

Method: SW846 9012A
Lot Number: C0K030562

Distillation procedure

Client Sample ID	Sample Number	Workorder	Result	Units	Method Detection Limit	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
20100836 RSD10-01	C0K030562 001	L9HH31A9	ND	mg/kg	0.77	4.0	1	11/15/2010 - 11/15/2010 13:31	0319107
20100837 SD10-01	C0K030562 002	L9HH61A9	ND	mg/kg	0.45	2.3	1	11/15/2010 - 11/15/2010 13:31	0319107
20100838 SD10-DUP	C0K030562 003	L9HH81A7	ND	mg/kg	0.44	2.3	1	11/15/2010 - 11/15/2010 13:31	0319107
20100839 SD10-06	C0K030562 004	L9HH91A7	ND	mg/kg	0.30	1.6	1	11/15/2010 - 11/15/2010 13:32	0319107
20100840 SD10-08	C0K030562 005	L9HJC1A7	ND	mg/kg	0.35	1.8	1	11/15/2010 - 11/15/2010 13:32	0319107
20100841 SD10-03	C0K030562 006	L9HJD1A7	ND	mg/kg	0.36	1.8	1	11/15/2010 - 11/15/2010 13:39	0319107
20100842 SD10-04	C0K030562 007	L9HJF1A7	ND	mg/kg	0.33	1.7	1	11/15/2010 - 11/15/2010 13:39	0319107
20100876 RSD10-01SV	C0K030562 008	L9HJG1A7	ND	mg/kg	0.84	4.3	1	11/15/2010 - 11/15/2010 13:39	0319107

Leo Brausch Koppers Pond

Percent Solids

Lab Name: TESTAMERICA PITTSBURGH
Client Name: Leo Brausch Consulting
Matrix: SOLID

Method: SM20 2540G
Lot Number: C0K030562

NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION

Client Sample ID	Sample Number	Workorder	Result	Units	Method Detection Limit	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
20100836 RSD10-01	C0K030562 001	L9HH31AA	12.6	%	0.0	1.0	1	11/5/2010 - 11/6/2010 09:32	0309249
20100837 SD10-01	C0K030562 002	L9HH61AJ	21.5	%	0.0	1.0	1	11/5/2010 - 11/6/2010 09:32	0309249
20100838 SD10-DUP	C0K030562 003	L9HH81AJ	22.0	%	0.0	1.0	1	11/5/2010 - 11/6/2010 09:32	0309249
20100839 SD10-06	C0K030562 004	L9HH91AJ	31.9	%	0.0	1.0	1	11/5/2010 - 11/6/2010 09:32	0309249
20100840 SD10-08	C0K030562 005	L9HJC1AJ	27.7	%	0.0	1.0	1	11/5/2010 - 11/6/2010 09:32	0309249
20100841 SD10-03	C0K030562 006	L9HJD1AJ	27.2	%	0.0	1.0	1	11/5/2010 - 11/6/2010 09:32	0309249
20100842 SD10-04	C0K030562 007	L9HJF1AJ	29.5	%	0.0	1.0	1	11/5/2010 - 11/6/2010 09:32	0309249
20100876 RSD10-01SV	C0K030562 008	L9HJG1AJ	11.6	%	0.0	1.0	1	11/5/2010 - 11/6/2010 09:32	0309249

Leo Brausch Koppers Pond

TOC

Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	EPA	Lloyd Kahn
Client Name:	Leo Brausch Consulting	**Lot Number:**	C0K030562	
Matrix:	SOLID			

Total Organic Carbon by Lloyd Kahn

Client Sample ID	Sample Number	Workorder	Result	Units	Method Detection Limit	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
20100836 RSD10-01	C0K030562 001	L9HH31A6	83300	mg/kg	4030	7400	1.87	11/4/2010 - 11/4/2010 21:12	0308079
20100837 SD10-01	C0K030562 002	L9HH61AH	81100	mg/kg	2580	4740	2.04	11/4/2010 - 11/4/2010 21:56	0308079
20100838 SD10-DUP	C0K030562 003	L9HH81AH	77800	mg/kg	2340	4300	1.89	11/4/2010 - 11/4/2010 22:25	0308079
20100839 SD10-06	C0K030562 004	L9HH91AH	95500	mg/kg	1560	2860	1.83	11/4/2010 - 11/4/2010 22:54	0308079
20100840 SD10-08	C0K030562 005	L9HJC1AH	55200	mg/kg	1860	3420	1.89	11/4/2010 - 11/4/2010 23:23	0308079
20100841 SD10-03	C0K030562 006	L9HJD1AH	86500	mg/kg	1870	3430	1.87	11/4/2010 - 11/4/2010 23:52	0308079
20100842 SD10-04	C0K030562 007	L9HJF1AH	54600	mg/kg	1880	3450	2.04	11/4/2010 - 11/5/2010 00:35	0308079
20100876 RSD10-01SV	C0K030562 008	L9HJG1AH	202000	mg/kg	4850	8900	2.06	11/4/2010 - 11/5/2010 01:04	0308079

Leo Brausch Koppers Pond

Cyanide, Total

Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	SW846 9012A
Client Name:	Leo Brausch Consulting	**Report ID:**	C0K030562
Matrix:	SOLID	**Date/Time Received:**	11/3/2010 9:00:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep Date-Analysis Date/Time	QC Batch	RPD / Limit (%)
BLK - C0K150000107B	107 MB	L92T71AA	0.14 B	mg/kg	0.50	11/15/2010 - 11/15/2010 13:31	0319107	

Leo Brausch Koppers Pond

Percent Solids

Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	SM20 2540G
Client Name:	Leo Brausch Consulting	**Report ID:**	C0K030562
Matrix:	SOLID	**Date/Time Received:**	11/2/2010 9:30:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep Date-Analysis Date/Time	QC Batch	RPD / Limit (%)
INTRA-LAB QC	001 DUP	L9GDN1AF	81.2	%	1.0	11/5/2010 - 11/6/2010 09:32	0309249	1.3 / 20

Leo Brausch Koppers Pond

TOC

Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	EPA Lloyd Kahn
Client Name:	Leo Brausch Consulting	**Report ID:**	C0K030562
Matrix:	SOLID	**Date/Time Received:**	11/1/2010 1:00:00PM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep Date-Analysis Date/Time	QC Batch	RPD / Limit (%)
BLK - C0K040000079B	079 MB	L9H1F1AA	ND	mg/kg	500	11/4/2010 - 11/4/2010 11:33	0308079	
INTRA-LAB QC	001 DUP	L9FRD1J3	22200	mg/kg	1380	11/4/2010 - 11/4/2010 15:54	0308079	16 / 20

Leo Brausch Koppers Pond

Cyanide, Total

Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	SW846 9012A
Client Name:	Leo Brausch Consulting	**Lot Number:**	C0K150000
Matrix:	SOLID	**Date/Time Received:**	11/3/2010 9:00:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep Date - Analysis Date/Time	QC Batch	RPD / Limit (%)
CHECK SAMPLE	LCS	L92T71AC	121	38 - 162	11/15/201 - 11/15/2010 13:31	0319107	
20100836 RSD10-01	MS	L9HH31CA	81	75 - 125	11/15/201 - 11/15/2010 13:31	0319107	5.5 / 20
LAB MS/MSD	MS	L9X1A1DT	50 N	75 - 125	11/15/201 - 11/15/2010 13:39	0319107	
20100836 RSD10-01	MSD	L9HH31CC	85	75 - 125	11/15/201 - 11/15/2010 13:31	0319107	5.5 / 20

Leo Brausch Koppers Pond

TOC

Lab Name:	TESTAMERICA PITTSBURGH	**Method:**	EPA Lloyd Kahn
Client Name:	Leo Brausch Consulting	**Lot Number:**	C0K040000
Matrix:	SOLID	**Date/Time Received:**	11/1/2010 1:00:00PM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep Date - Analysis Date/Time	QC Batch	RPD / Limit (%)
CHECK SAMPLE	LCS	L9H1F1AC	94	75 - 125	11/4/2010 - 11/4/2010 11:47	0308079	1.2 / 20
LAB MS/MSD	MSD	L9FRD1HD	225 N *	75 - 125	11/4/2010 - 11/4/2010 14:56	0308079	64 / 20
DUPLICATE CHECK	LCSD	L9H1F1AD	95	75 - 125	11/4/2010 - 11/4/2010 12:02	0308079	1.2 / 20
LAB MS/MSD	MS	L9FRD1HC	64 N	75 - 125	11/4/2010 - 11/4/2010 15:25	0308079	64 / 20

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

(Pittsburgh)

Parameter: Lloyd-Kahn
(Total Organic Carbon in Solids)

LOT NUMBER(S)	BATCH
C0K020512	0308079
C0K030562	
C0K010457	
C0K020548	
C0K020540	

WC 4796-10 (20% Phosphoric Acid)
WC4281-10 (1.0% KHP)
WC4282-10 (0.1% KHP)
WC4283-10 ((0.01% KHP)
WC036810 (LCS solid)

Eager 300 for Windows

Method name : Lloyd Kahn TOC
Method filename : C:\data\January\110410.mth

Sample table

Chromatogram overwrite : Enabled

#	Sample nam	Filename	Type	Weight
1	BY PASS	A101610001	ByP	-
2	BLANK	A101610002	Unk	20
3	BLANK	A101610003	Unk	20
4	LOW KHP	A101610004	Std	200
5	MLOW KHP	A101610005	Std	50
6	MED KHP	A101610006	Std	100
7	MHIGH KHP	A101610007	Std	200
8	HIGH KHP	A101610008	Std	50
9	XHIGH KHP	A101610009	Std	100
10	XXHIGH KHP	A101610010	Std	200
11	ICV KHP	A101610011	Unk	10
12	CCB	A101610012	Unk	20
13	CCV	A101610013	Unk	100
14	ccb	A110410001	Unk	20
15	ccv	A110410002	Unk	100
16	19h1f1aa	A110410003	Unk	20
17	19h1f1aa	A110410004	Unk	20
18	19h1f1ac	A110410005	Unk	9.7
19	19h1f1ac	A110410006	Unk	10.5
20	19h1f1ad	A110410007	Unk	9.5
21	19h1f1ad	A110410008	Unk	10.5
22	19d6a1a1	A110410009	Unk	19.4
23	19d6a1a1	A110410010	Unk	19.2
24	19d6a1a1	A110410013	Unk	20
25	19d6a1a1	A110410014	Unk	19.8
26	19d6p1a1	A110410017	Unk	19.3
27	19d6p1a1	A110410018	Unk	19.5
28	ccb	A110410021	Unk	20
29	ccv	A110410022	Unk	100
30	19d6p1a1	A110410023	Unk	21.4
31	19d6p1a1	A110410024	Unk	20.6
32	19frd1ac	A110410027	Unk	9.1
33	19frd1ac	A110410028	Unk	9.7
34	19frd1hd	A110410031	Unk	11.3
35	19frd1hd	A110410032	Unk	10.3
36	19frd1hc	A110410035	Unk	10.5
37	19frd1hc	A110410036	Unk	11.6

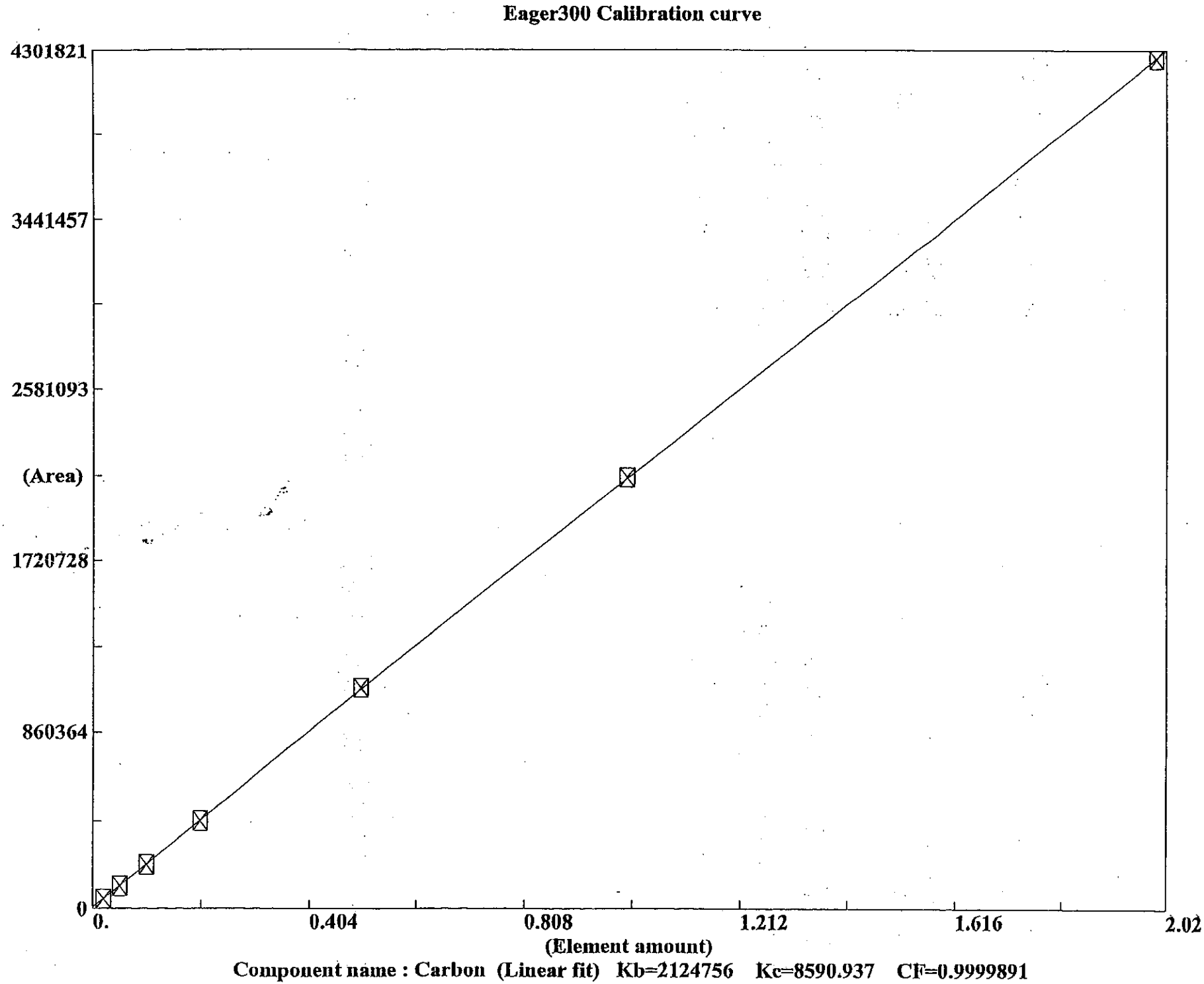
#	Sample nam	Filename	Type	Weight
38	19frd1j3	A110410039	Unk	9.9
39	19frd1j3	A110410040	Unk	10.7
40	ccb	A110410043	Unk	20
41	ccv	A110410044	Unk	100
42	19fr91an	A110410045	Unk	9.9
43	19fr91an	A110410046	Unk	9.5
44	19f221ac	A110410049	Unk	10.2
45	19f221ac	A110410050	Unk	10.1
46	19f261am	A110410053	Unk	10.4
47	19f261am	A110410054	Unk	10.7
48	19f271ax	A110410057	Unk	10.9
49	19f271ax	A110410058	Unk	10.3
50	19f281a8	A110410061	Unk	10.3
51	19f281a8	A110410062	Unk	9.3
52	ccb	A110410065	Unk	20
53	ccv	A110410066	Unk	100
54	19f291a8	A110410067	Unk	9.6
55	19f291a8	A110410068	Unk	10.5
56	19f3d1a8	A110410071	Unk	10.5
57	19f3d1a8	A110410072	Unk	10.3
58	19f361am	A110410075	Unk	9.6
59	19f361am	A110410076	Unk	10
60	19f371am	A110410079	Unk	10
61	19f371am	A110410080	Unk	9.6
62	19hh31a6	A110410083	Unk	9.5
63	19hh31a6	A110410084	Unk	10.7
64	ccb	A110410087	Unk	20
65	ccv	A110410088	Unk	100
66	19hh61ah	A110410089	Unk	9.8
67	19hh61ah	A110410090	Unk	9.3
68	19hh81ah	A110410093	Unk	10.6
69	19hh81ah	A110410094	Unk	10.4
70	19hh91ah	A110410097	Unk	10.9
71	19hh91ah	A110410098	Unk	10.3
72	19hjc1ah	A110410101	Unk	9.7
73	19hjc1ah	A110410102	Unk	10.6
74	19hjd1ah	A110410105	Unk	10.2
75	19hjd1ah	A110410106	Unk	10.7
76	ccb	A110410109	Unk	20
77	ccv	A110410110	Unk	100
78	19hjf1ah	A110410111	Unk	9.8
79	19hjf1ah	A110410112	Unk	9.2
80	19hjg1ah	A110410115	Unk	9.7
81	19hjg1ah	A110410116	Unk	9.4
82	ccb	A110410119	Unk	20
83	ccv	A110410120	Unk	100

#	Sample nam	Filename	Type	Weight

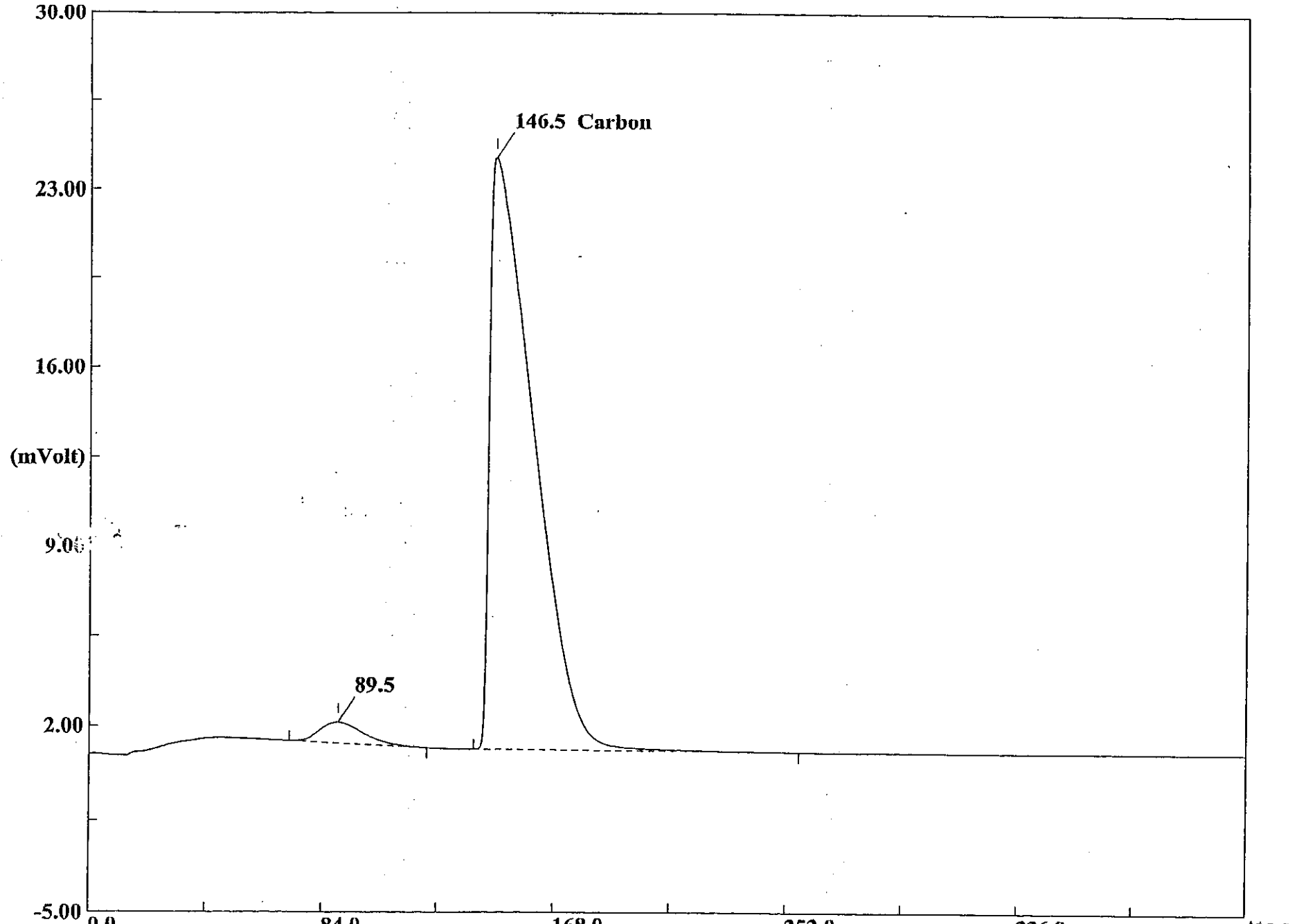
C0K030562

4014

(4001-4267)



C0K030562



4015

(4001-4267)

Eager 300 Report

 Sample: BY PASS (A101610001)

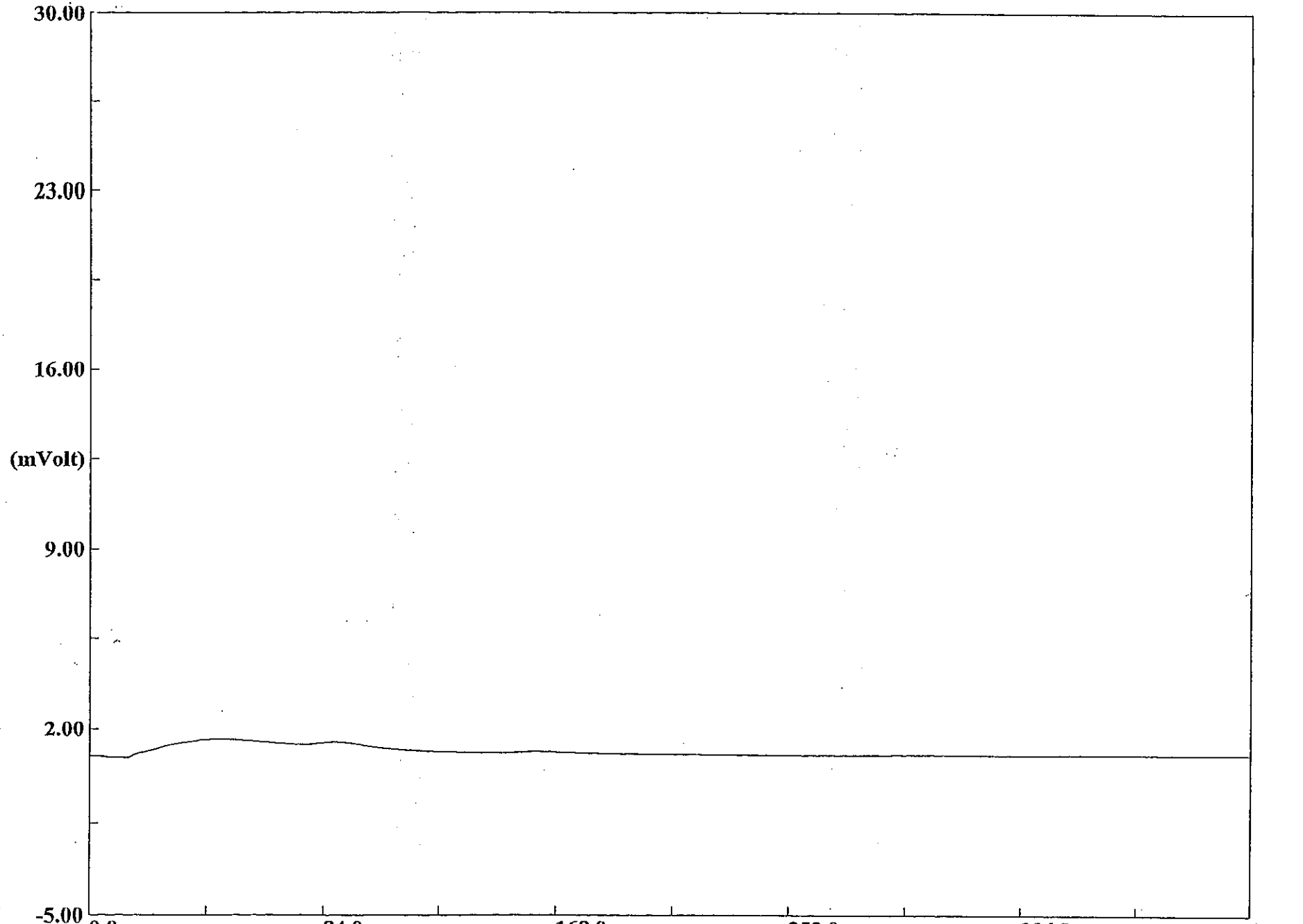
Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610001
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 15:33 Printed : 10/17/2010 10:24
Sample ID : BY PASS (# 1) Instrument N. : Instrument #1
Analysis Type : By-Pass (Area) Sample weight :---

Calib. method : using 'Least Squares to Linear fit'

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio
Carbon	0.0000	147	4206591	RS	1.000000

Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562



4017

(4001-4267)

Eager 300 Report

Page: 1 Sample: BLANK (A101610002)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610002
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 15:40 Printed : 10/17/2010 10:24
Sample ID : BLANK (# 2) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

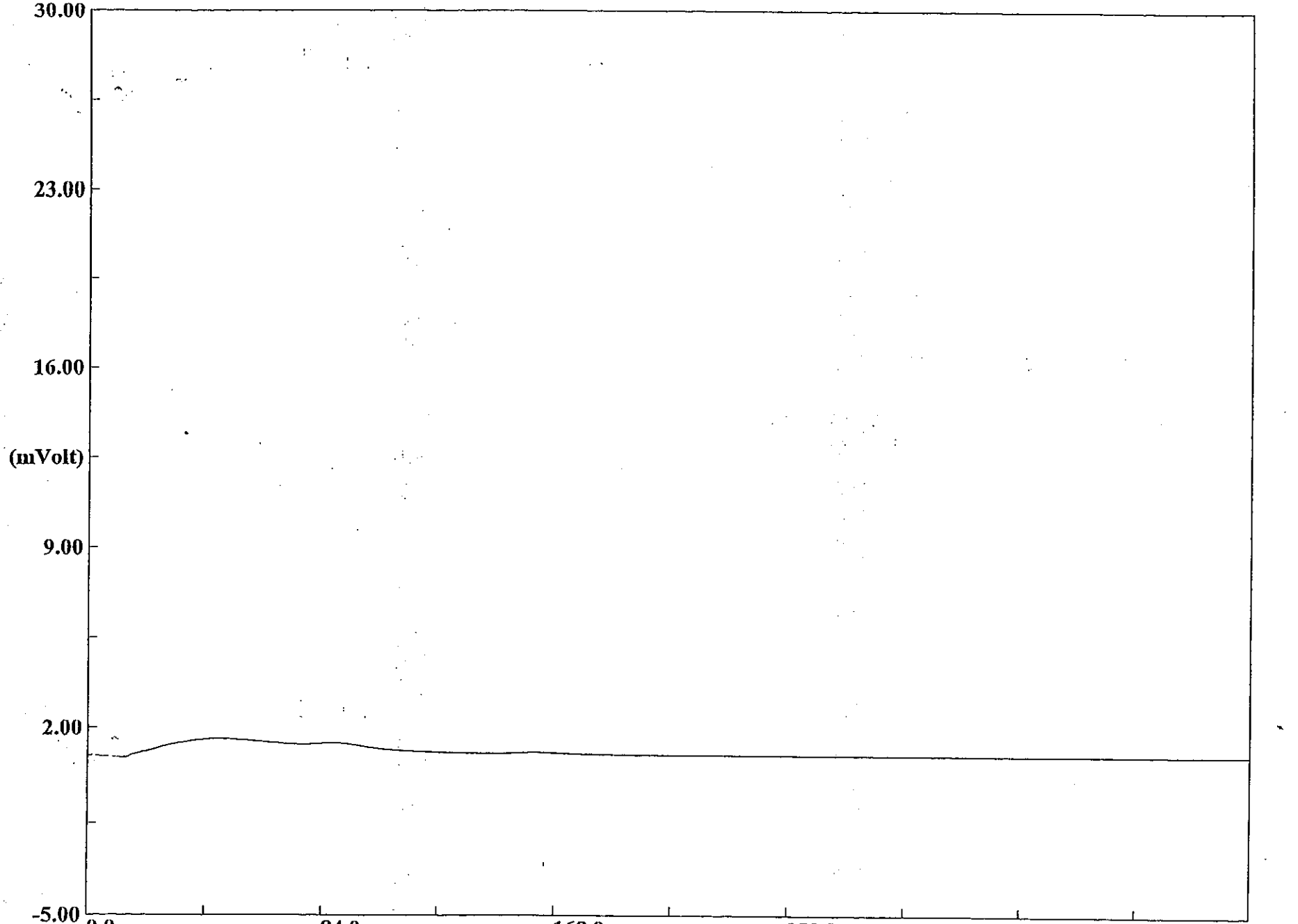
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562



4019

(4001-4267)

Eager 300 Report

Page: 1 Sample: BLANK (A101610003)

Method Name	: Lloyd Kahn TOC		
Method File	: C:\data\January\101610.mth		
Chromatogram	: A101610003		
Operator ID	: James DeRubeis	Company Name	: TESTAMERICA PITT
Analysed	: 10/16/2010 15:48	Printed	: 10/17/2010 10:24
Sample ID	: BLANK (# 3)	Instrument N.	: Instrument #1
Analysis Type	: UnkNown (Area)	Sample weight	: 20

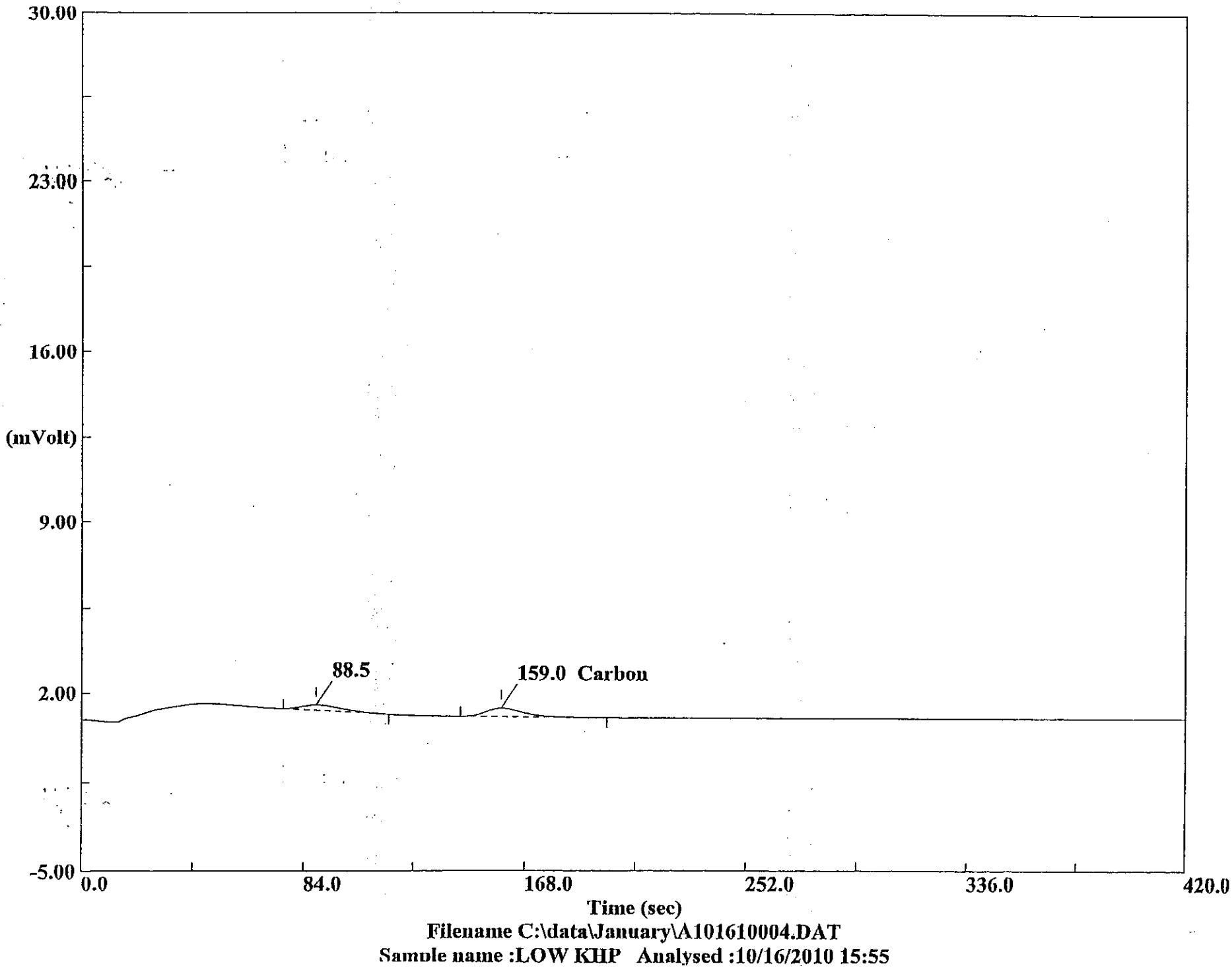
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562



4021

(4001-4267)

Eager 300 Report

Page: 1 Sample: LOW KHP (A101610004)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610004
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 15:55 Printed : 10/17/2010 10:24
Sample ID : LOW KHP (# 4) Instrument N. : Instrument #1
Analysis Type : Calibration (Area) Sample weight : 200

Calib. method : using 'Least Squares to Linear fit'

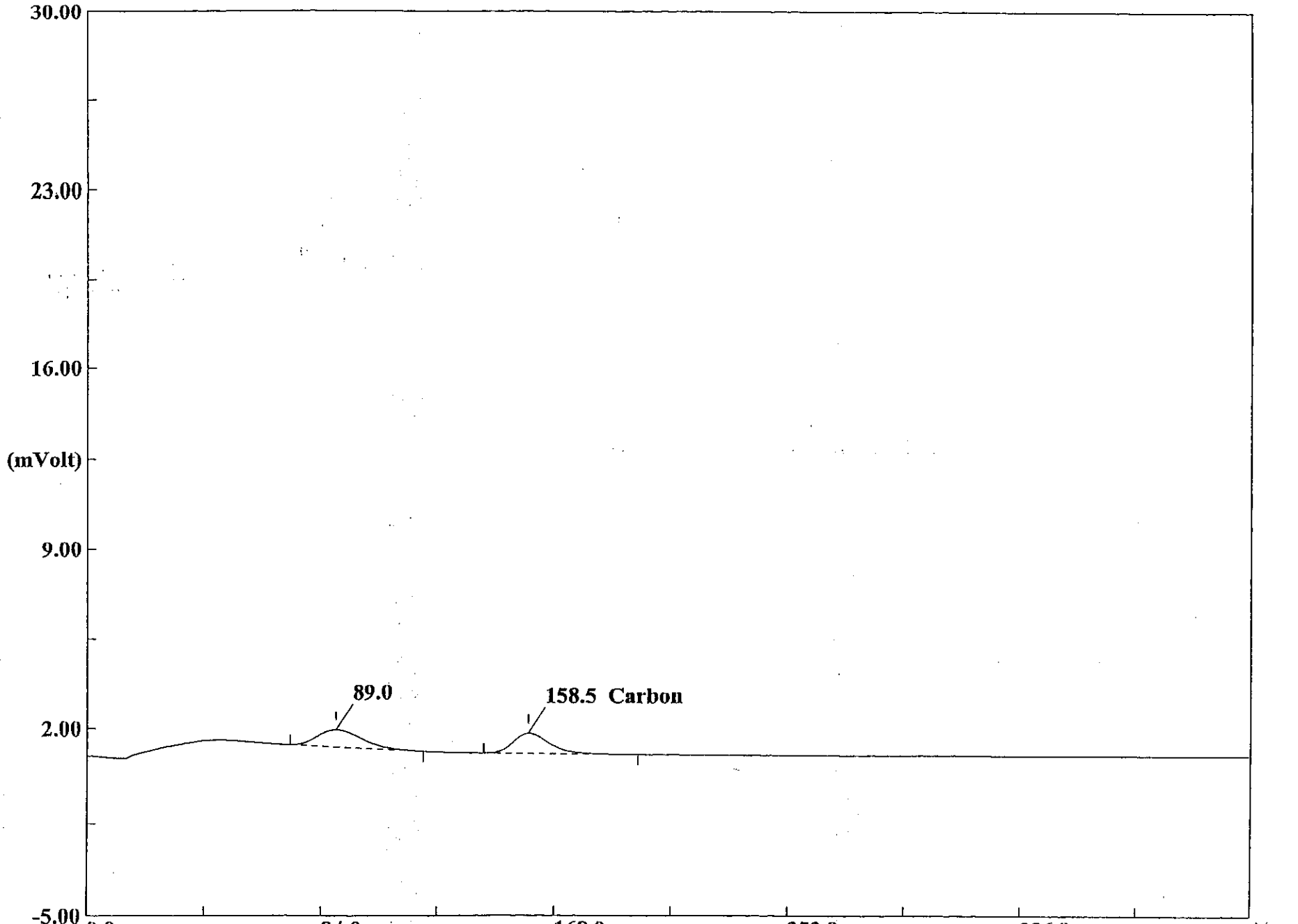
Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0100	159	48394	RS	1.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level
Carbon	153	....	....	1

Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562



4023

(4001-4267)

Eager 300 Report

Page: 1 Sample: MLOW KHP (A101610005)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610005
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 16:02 Printed : 10/17/2010 10:24
Sample ID : MLOW KHP (# 5) Instrument N. : Instrument #1
Analysis Type : Calibration (Area) Sample weight : 50

Calib. method : using 'Least Squares to Linear fit'

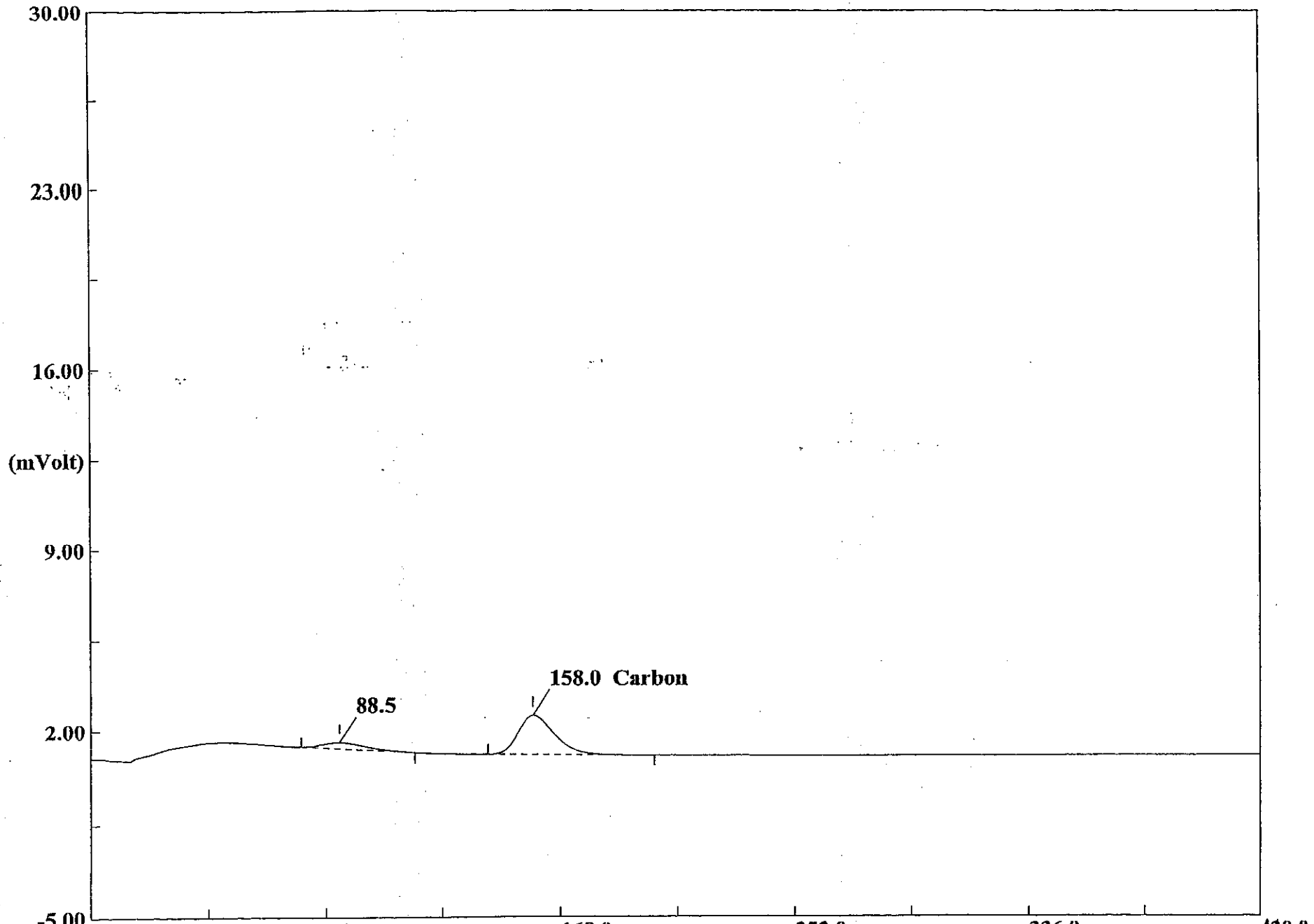
Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1000	159	113206	RS	1.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level
Carbon	153	2.160417E+06	5.185164E+03	2

Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562



4025

(4001-4267)

Eager 300 Report

Page: 1 Sample: MED KHP (A101610006)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610006
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 16:09 Printed : 10/17/2010 10:24
Sample ID : MED KHP (# 6) Instrument N. : Instrument #1
Analysis Type : Calibration (Area) Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1000	158	218390	RS	1.000000	

Coefficents of least squares fit to linear equation

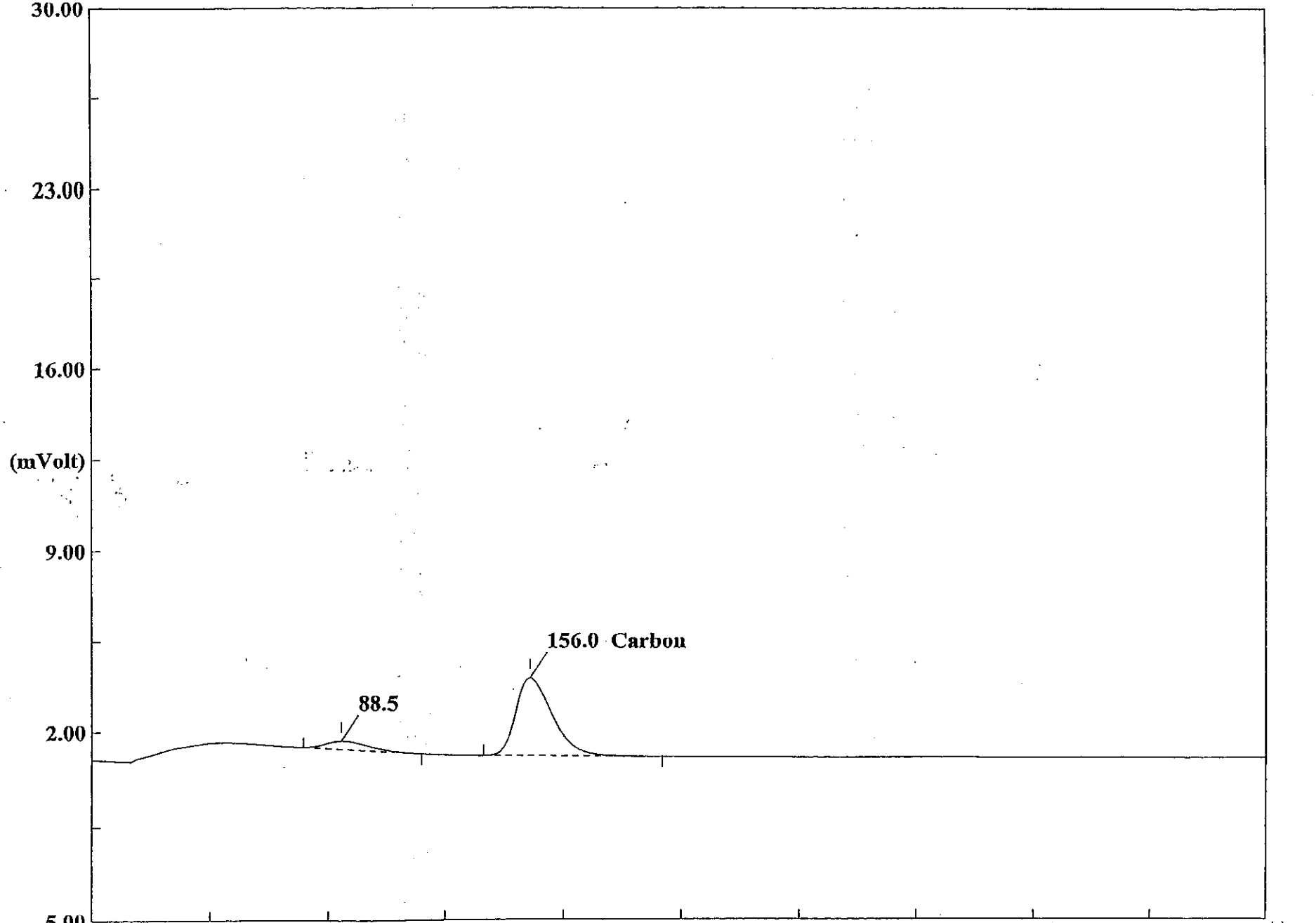
Element Name	Ret.Time	X Term	Intercept	Level
Carbon	153	2.122779E+06	6.372217E+03	3

Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4027

(4001-4267)



Eager 300 Report

Page: 1 Sample: MHIGH KHP (A101610007)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610007
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 16:17 Printed : 10/17/2010 10:24
Sample ID : MHIGH KHP (# 7) Instrument N. : Instrument #1
Analysis Type : Calibration (Area) Sample weight : 200

Calib. method : using 'Least Squares to Linear fit'

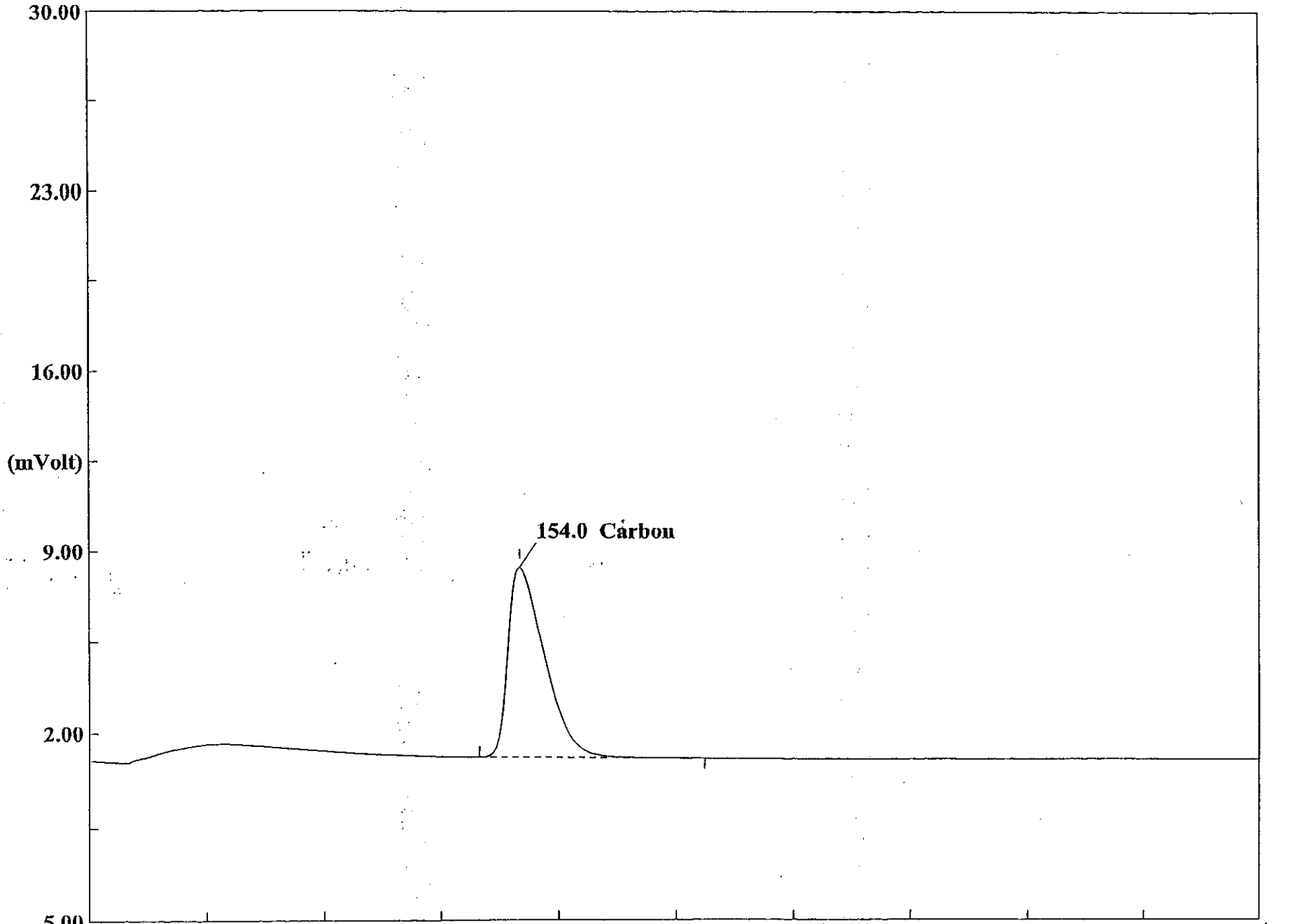
Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1000	156	430597	RS	1.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level
Carbon	153	2.120871E+06	6.465828E+03	4

Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562



4029

(4001-4267)

Eager 300 Report

Page: 1 Sample: HIGH KHP (A101610008)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610008
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 16:24 Printed : 10/17/2010 10:24
Sample ID : HIGH KHP (# 8) Instrument N. : Instrument #1
Analysis Type : Calibration (Area) Sample weight : 50

Calib. method : using 'Least Squares to Linear fit'

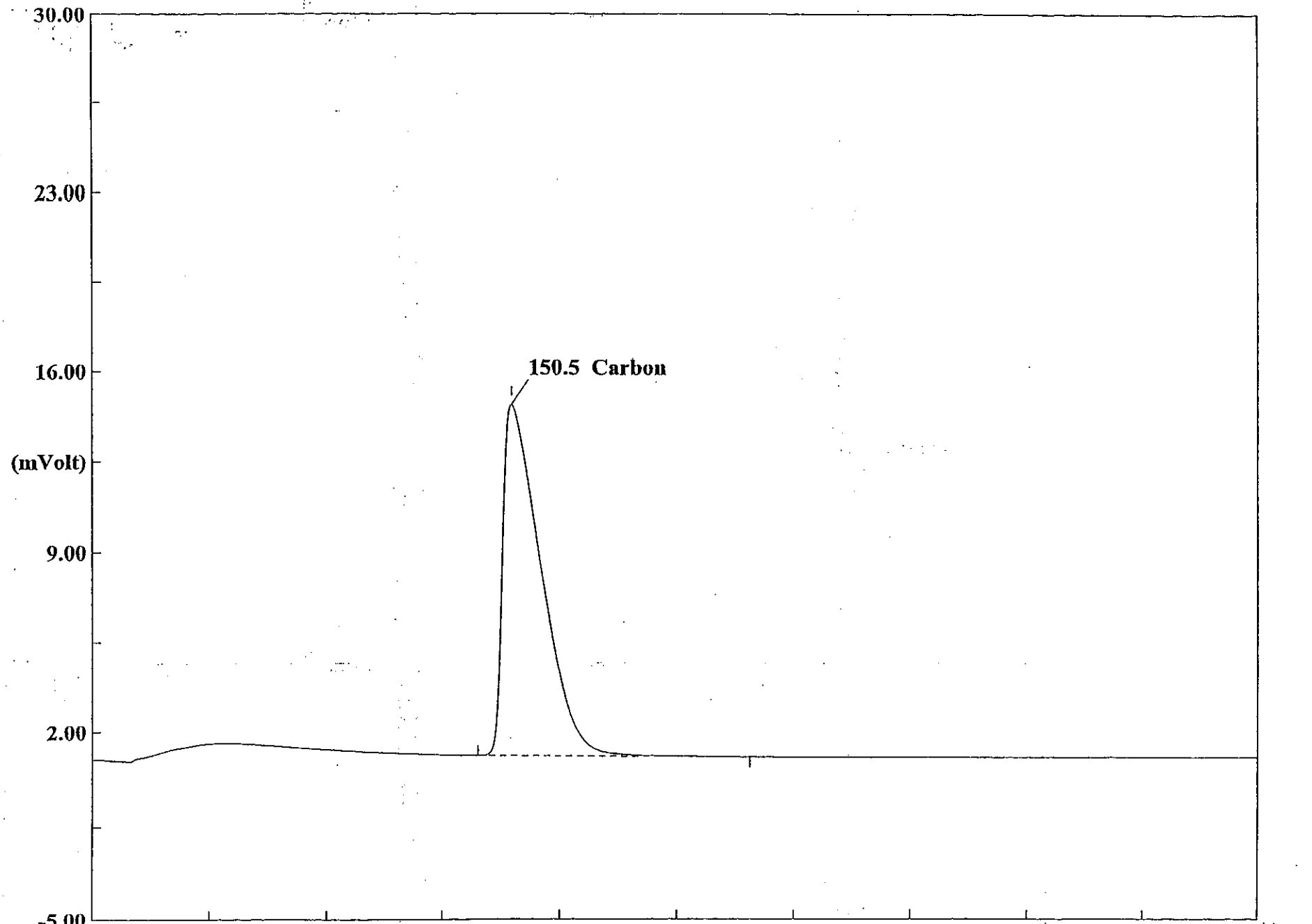
Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.0000	154	1079509	RS	1.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level
Carbon	153	2.147996E+06	4.267538E+03	5

Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562



4031

(4001-4267)

Eager 300 Report

 Sample: XHIGH KHP (A101610009)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610009
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 16:31 Printed : 10/17/2010 10:24
Sample ID : XHIGH KHP (# 9) Instrument N. : Instrument #1
Analysis Type : Calibration (Area) Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

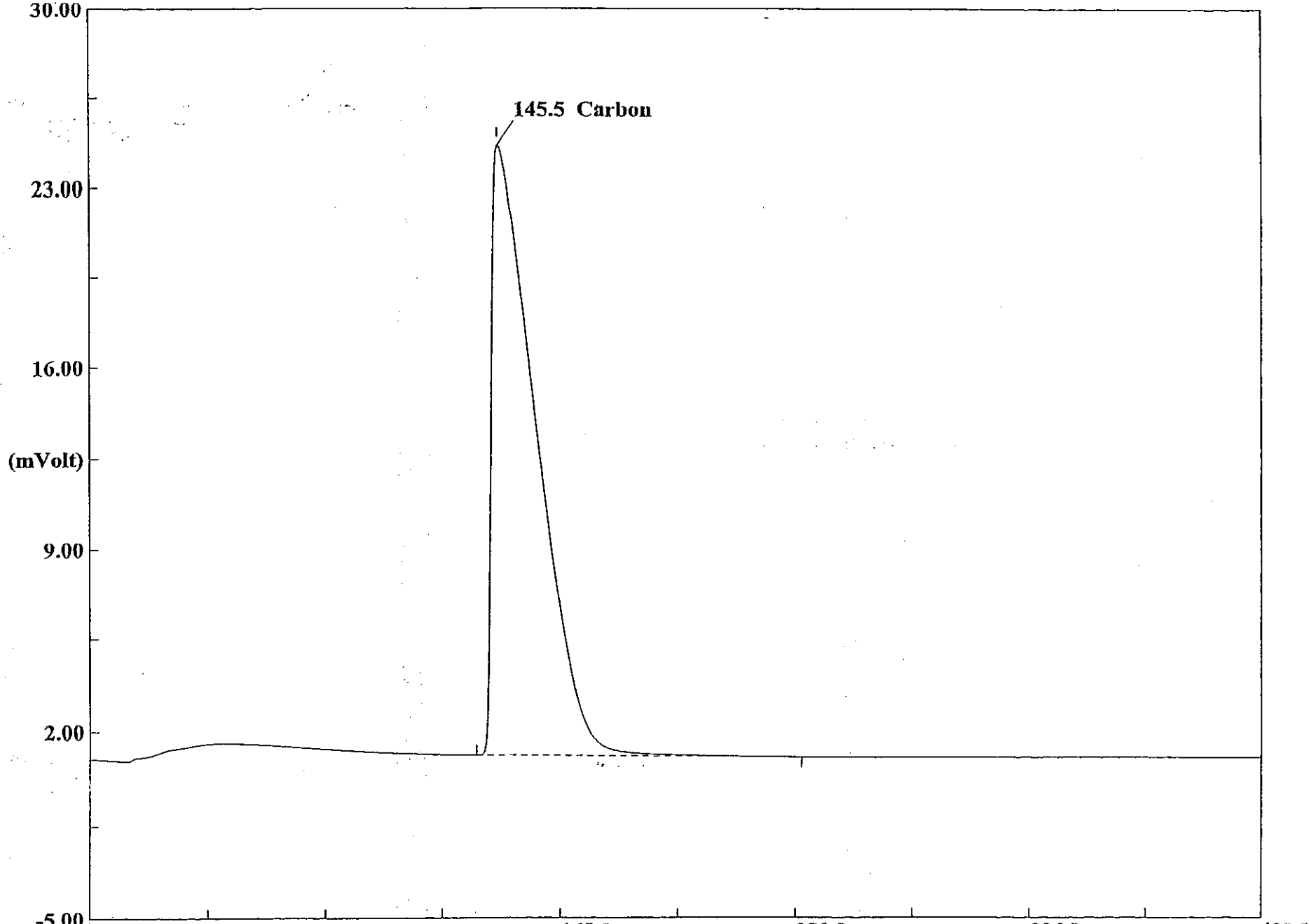
Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.0000	151	2139422	RS	1.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level
Carbon	153	2.135721E+06	5.953109E+03	6

Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562



4033

(4001-4267)

Eager 300 Report

Page: 1 Sample: XXHIGH KHP (A101610010)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610010
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 16:38 Printed : 10/17/2010 10:24
Sample ID : XXHIGH KHP (# 10) Instrument N. : Instrument #1
Analysis Type : Calibration (Area) Sample weight : 200

Calib. method : using 'Least Squares to Linear fit'

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.0000	146	4253427	RS	1.000000	

Coefficents of least squares fit to linear equation

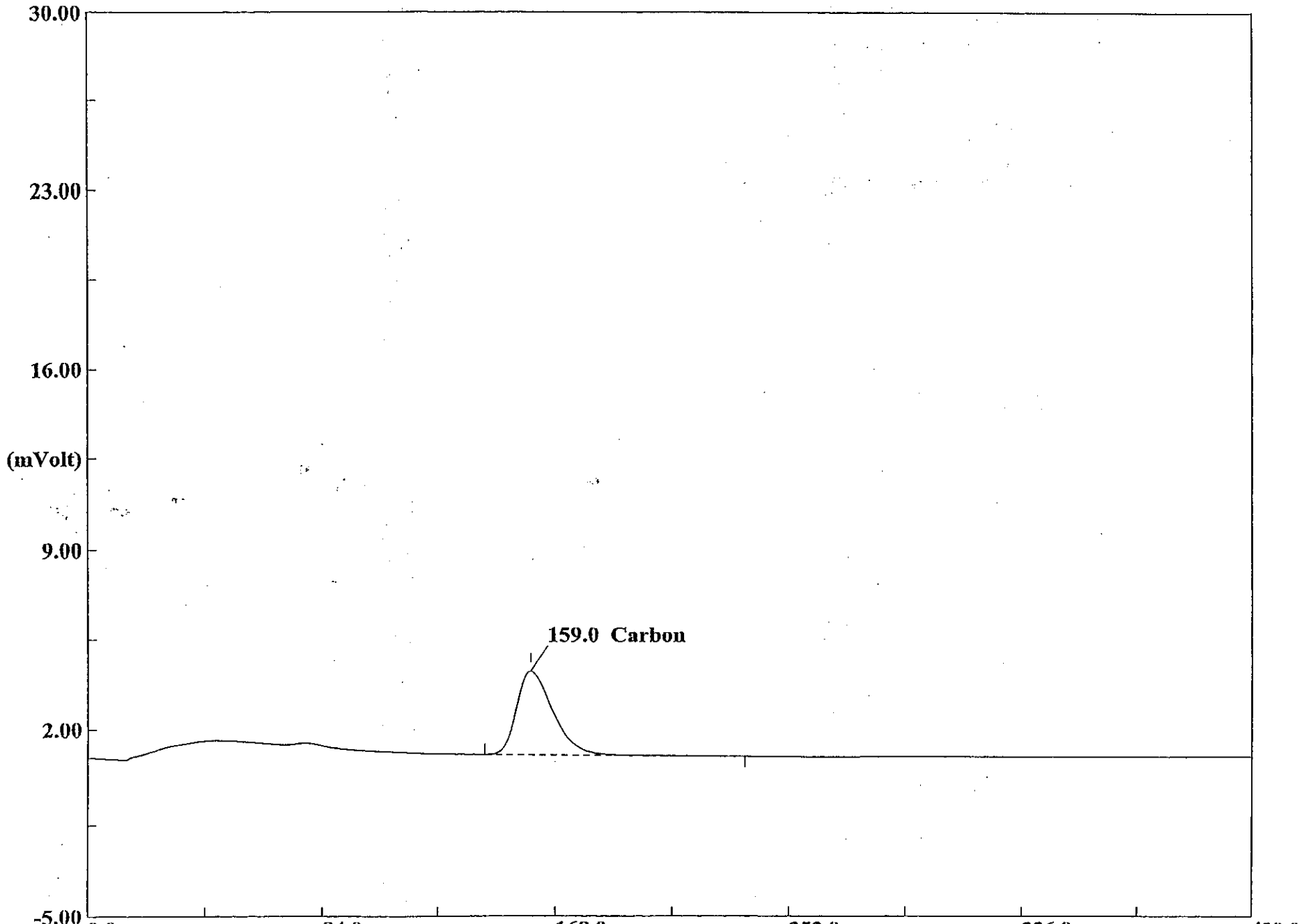
Element Name	Ret.Time	X Term	Intercept	Level
Carbon	153	2.124756E+06	8.590937E+03	7

Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4035

(4001-4267)



Eager 300 Report

Page: 1 Sample: ICV KHP (A101610011)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610011
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 16:46 Printed : 10/17/2010 10:24
Sample ID : ICV KHP (# 11) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10

Calib. method : using 'Least Squares to Linear fit'

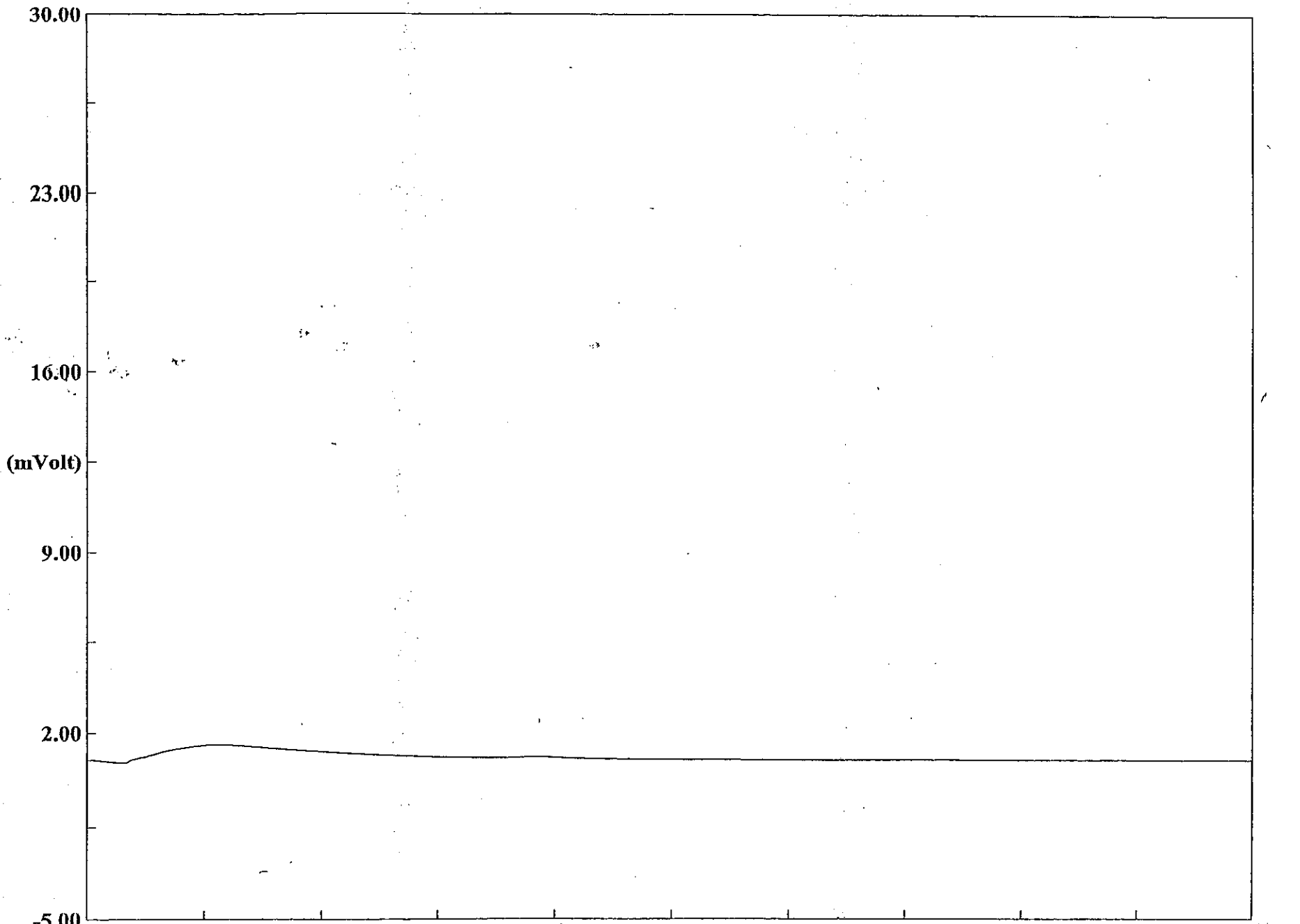
Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.1579	159	467088	RS	1.000000	

Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4037

(4001-4267)



Eager 300 Report

Page: 1 Sample: CCB (A101610012)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610012
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 16:53 Printed : 10/17/2010 10:24
Sample ID : CCB (# 12) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

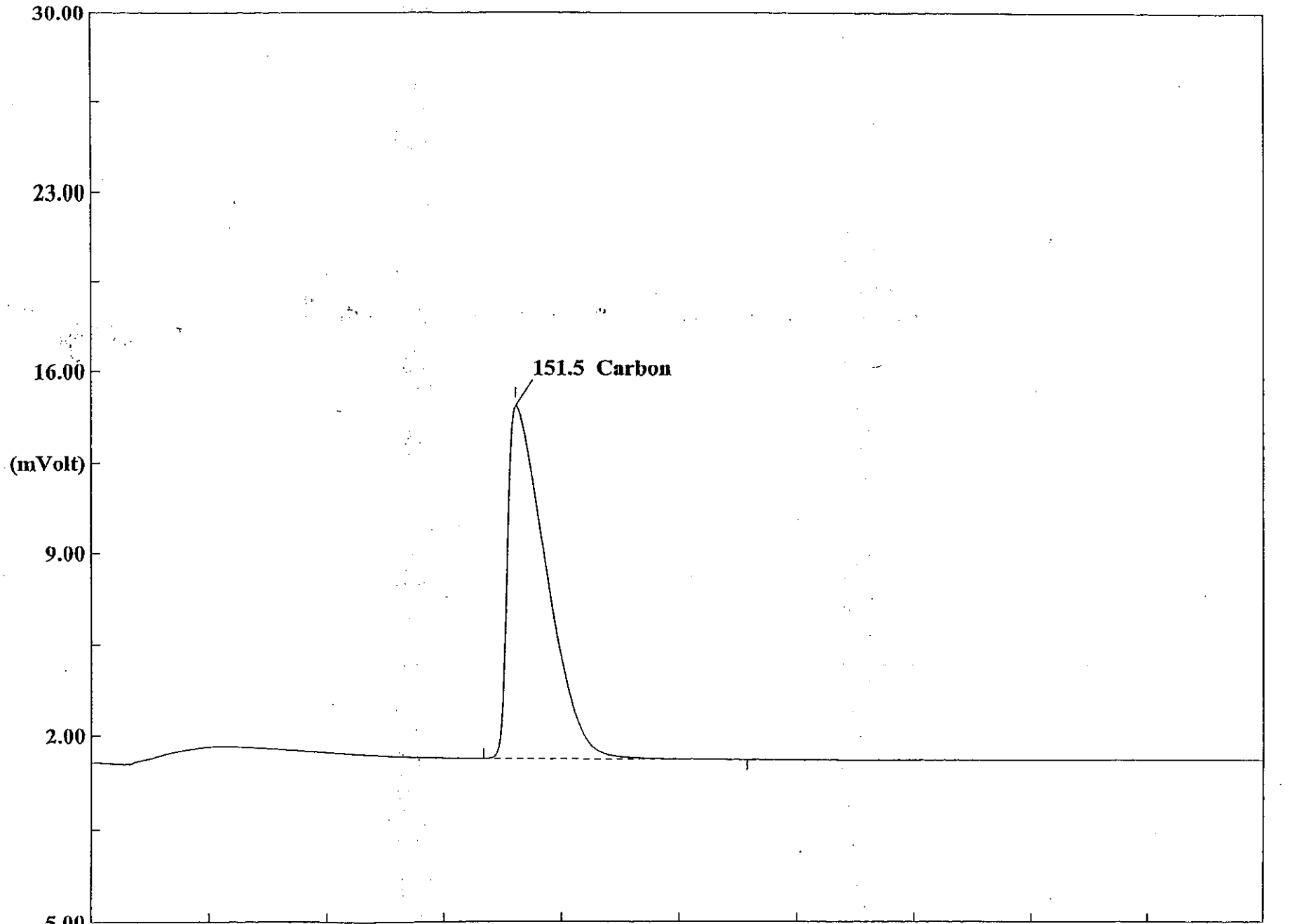
Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4039

(4001-4267)



Filename C:\data\January\A101610013.DAT

Sample name :CCV Analysed :10/16/2010 17:00

Eager 300 Report

Page: 1 Sample: CCV (A101610013)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\101610.mth
Chromatogram : A101610013
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 10/16/2010 17:00 Printed : 10/17/2010 10:24
Sample ID : CCV (# 13) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.0020	152	2137492	RS	1.000000	

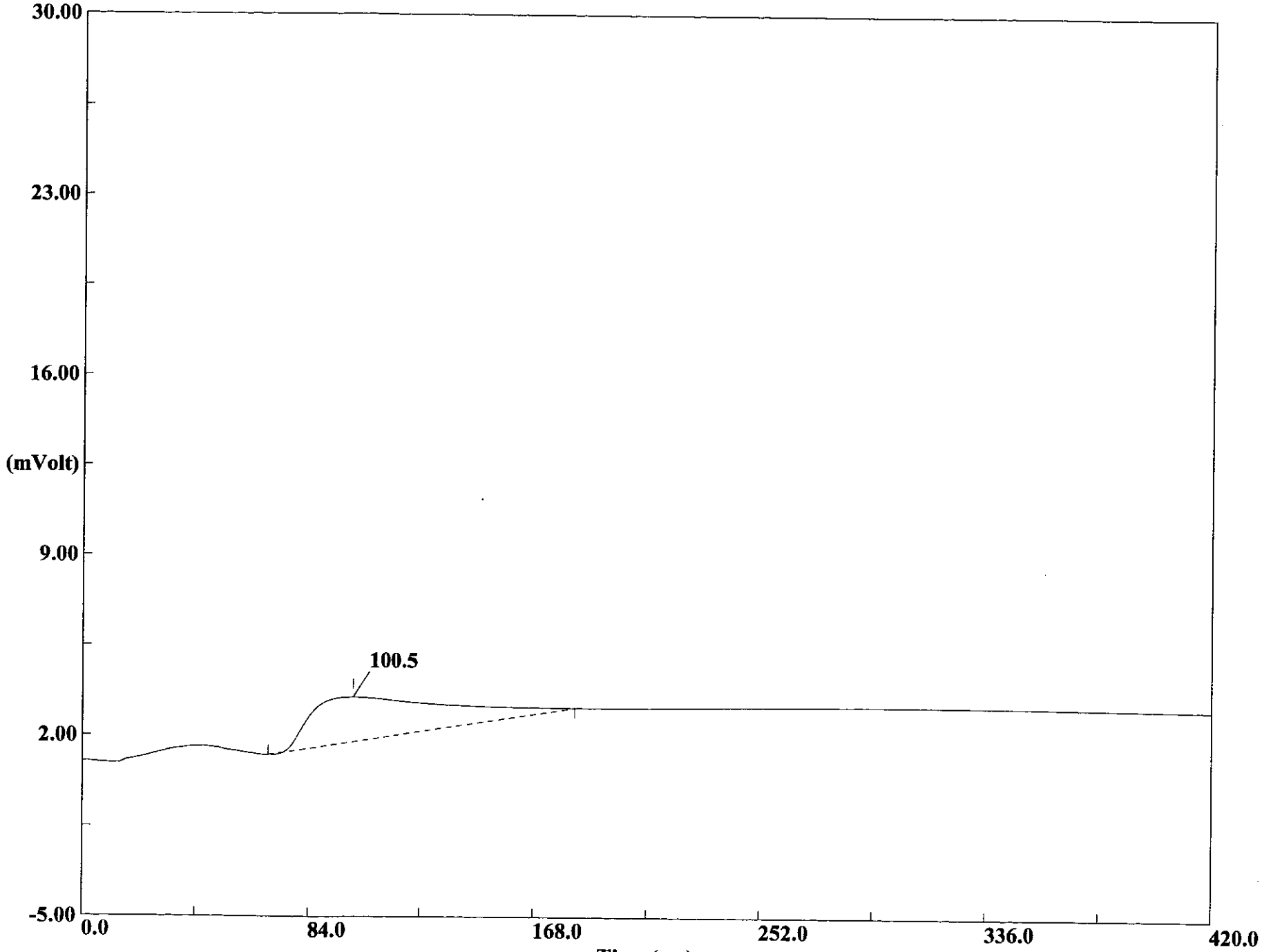
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4041

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410001.DAT

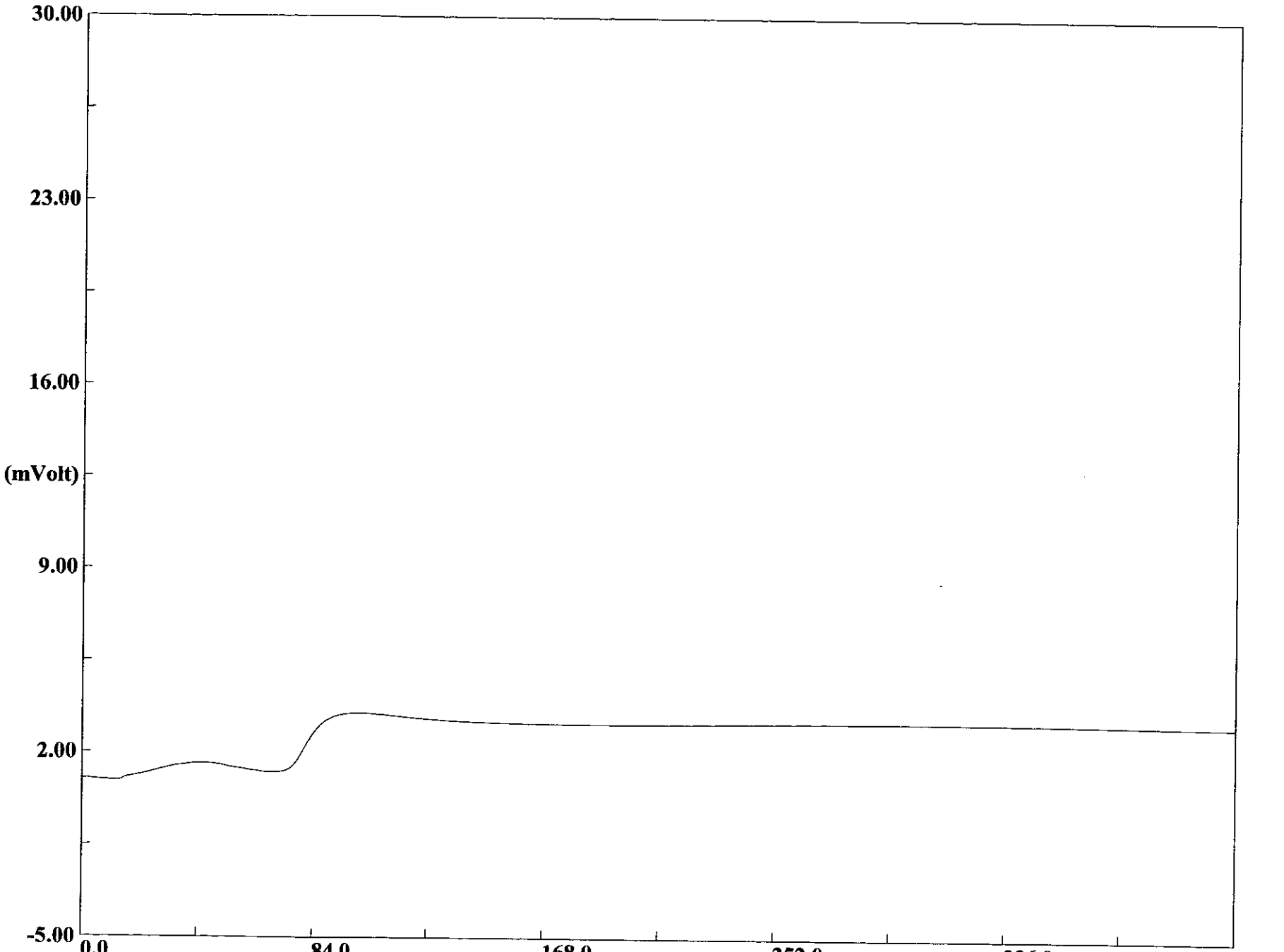
Sample name :ccb Analysed :11/04/2010 11:18

C0K030562

4042

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410001.DAT

Sample name :ccb Analysed :11/04/2010 11:18

Eager 300 Report

Page: 1 Sample: ccb (A110410001)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410001
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 11:18 Printed : 11/4/2010 15:27
Sample ID : ccb (# 14) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

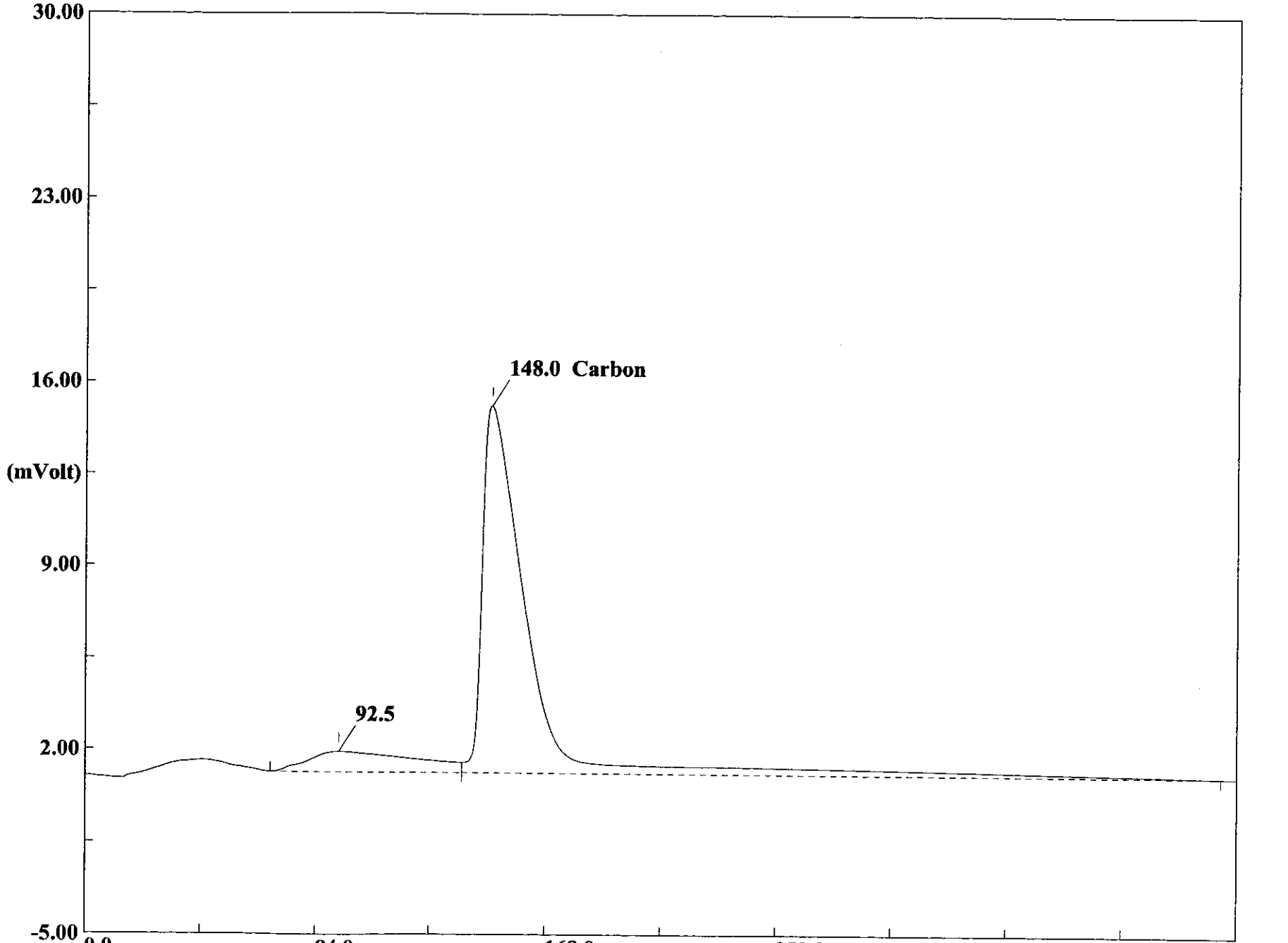
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4044

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410002.DAT

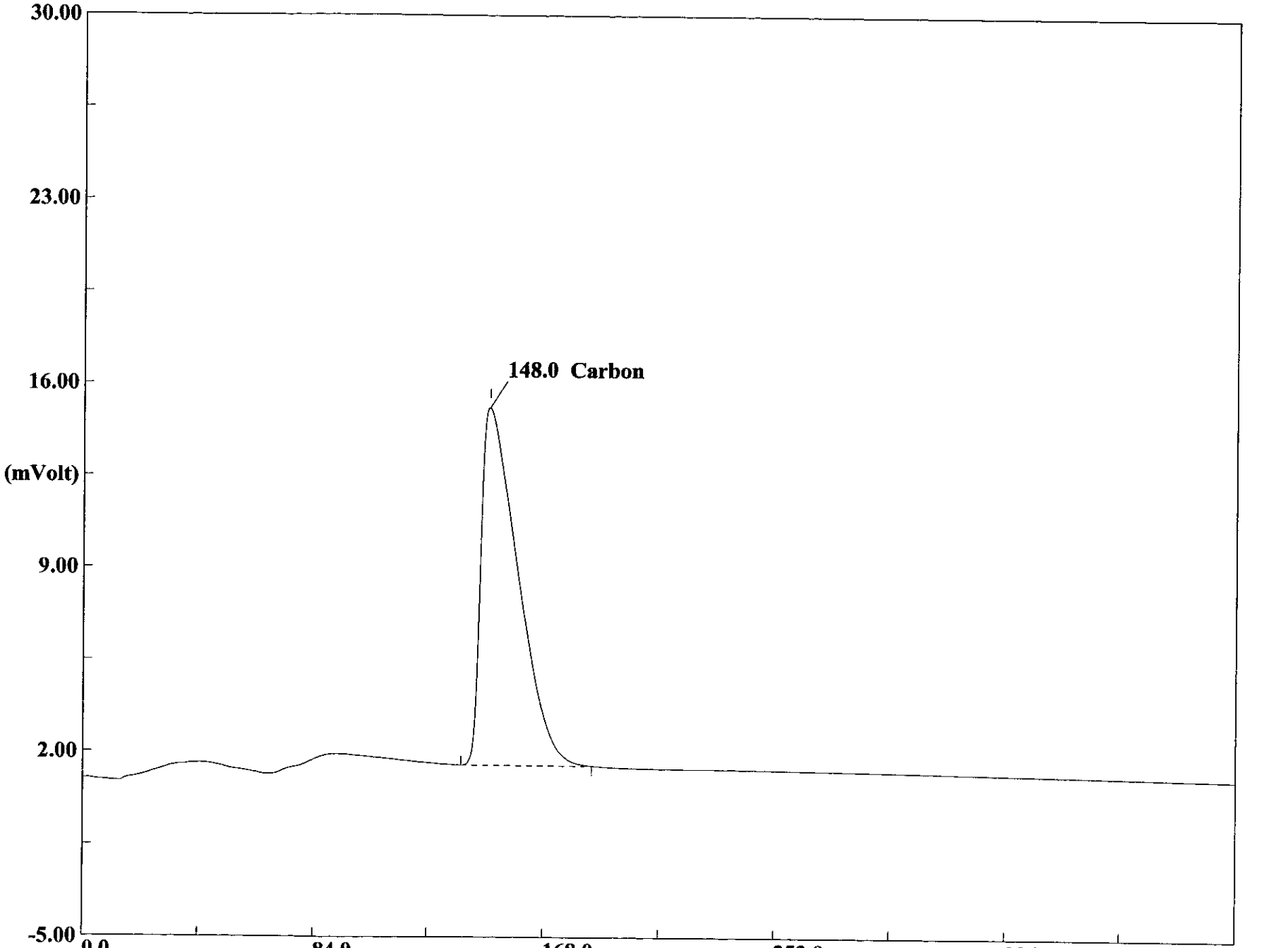
Sample name :ccv Analysed :11/04/2010 11:26

C0K030562

4045

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410002.DAT

Sample name :ccv Analysed :11/04/2010 11:26

Eager 300 Report

 Sample: ccv (A110410002)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410002
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 11:26 Printed : 11/4/2010 15:27
Sample ID : ccv (# 15) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9830	148	2097326	mi	1.000000	

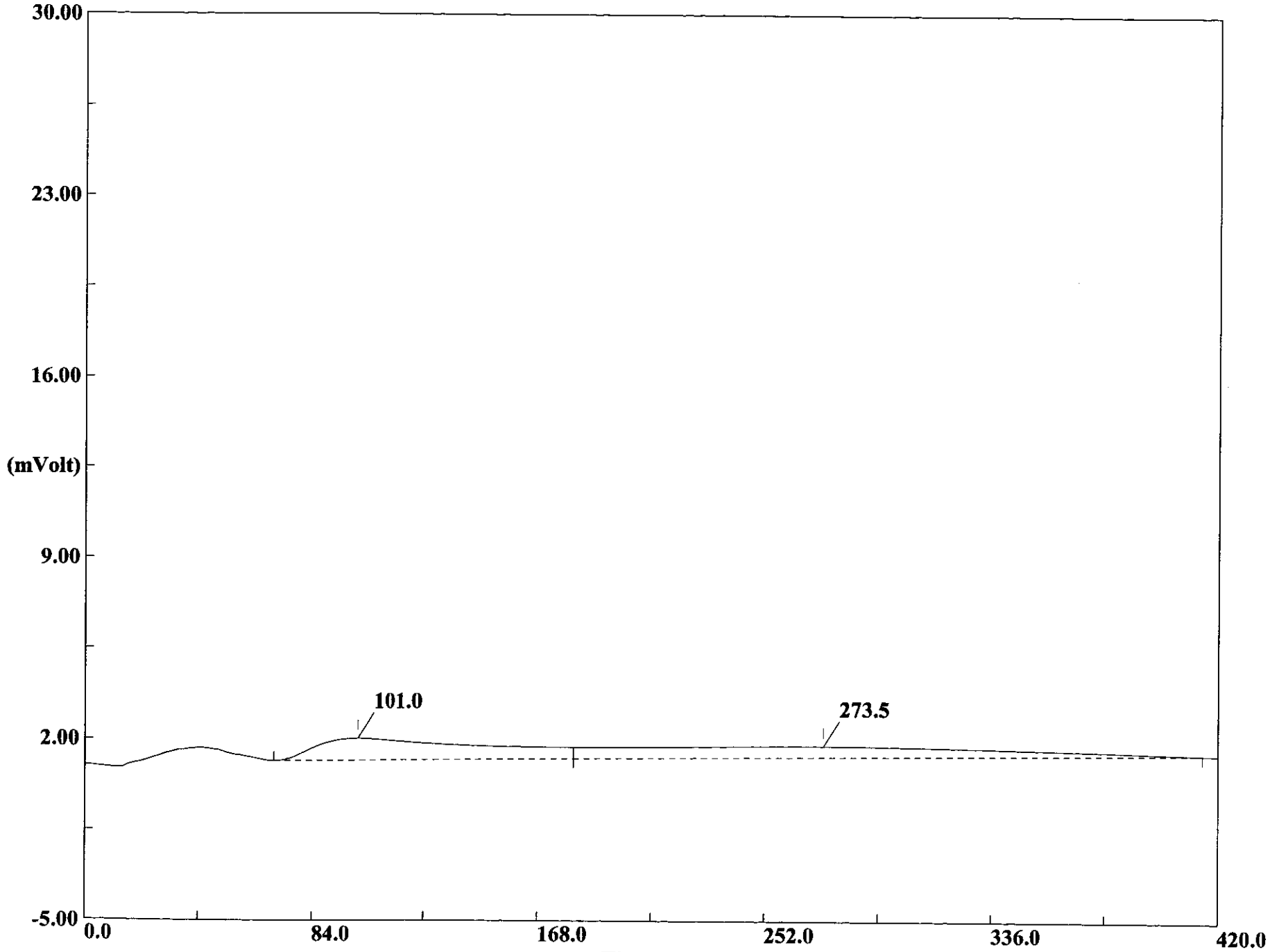
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4047

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410003.DAT

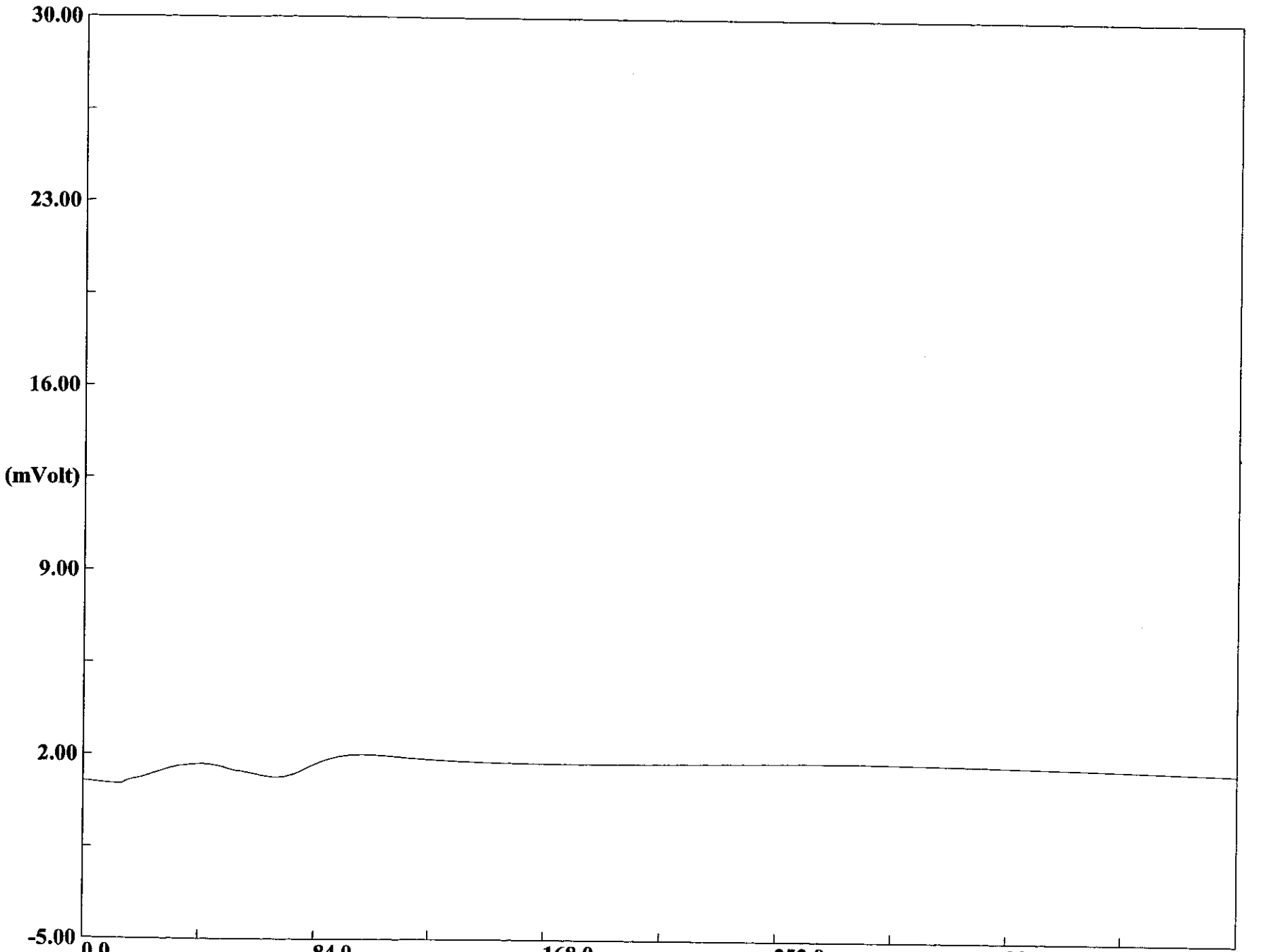
Sample name :l9h1f1aa Analysed :11/04/2010 11:33

C0K030562

4048

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410003.DAT

Sample name :l9h1f1aa Analysed :11/04/2010 11:33

Eager 300 Report

Page: 1 Sample: 19h1f1aa (A110410003)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410003
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 11:33 Printed : 11/4/2010 15:27
Sample ID : 19h1f1aa (# 16) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

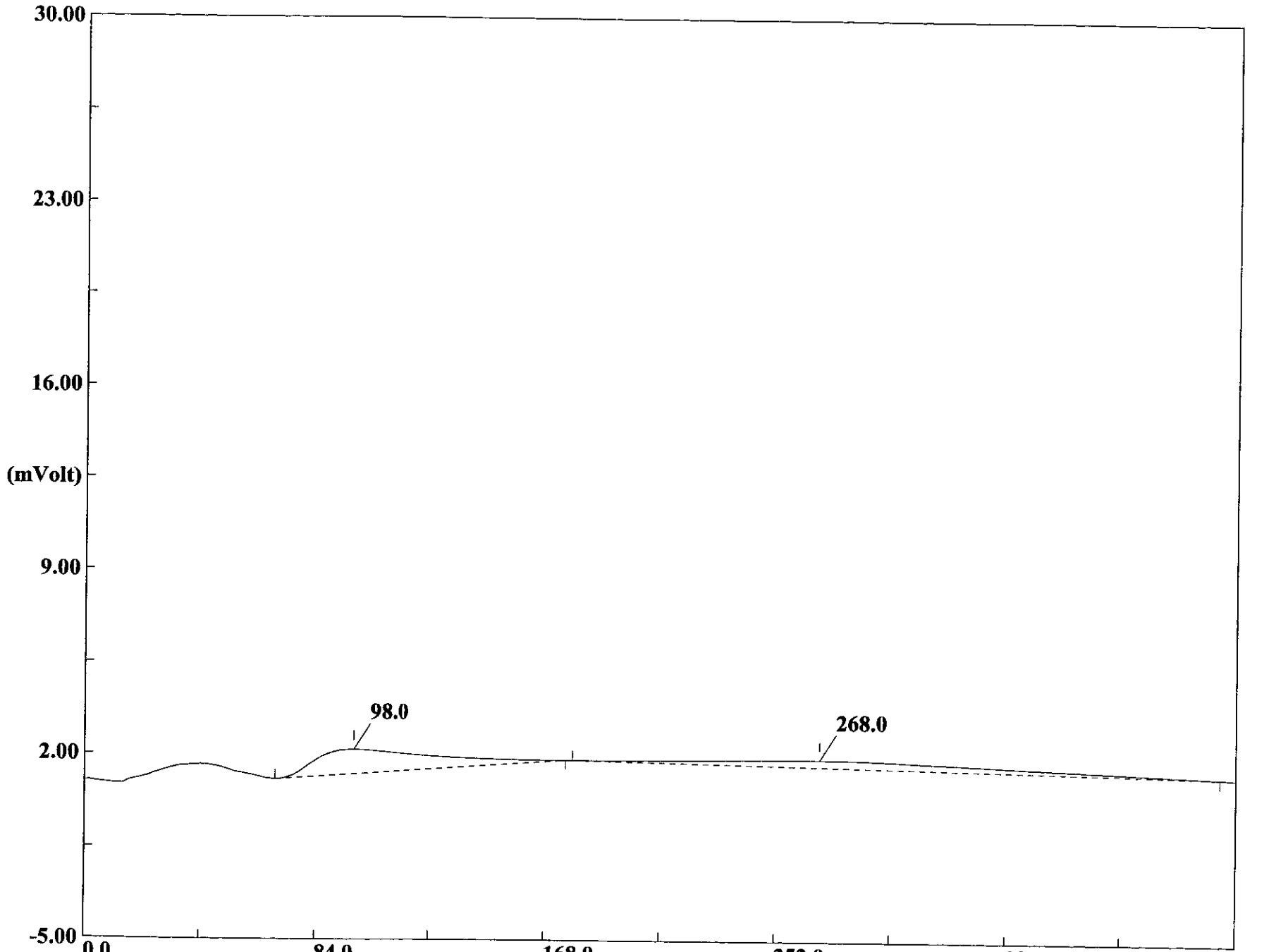
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4050

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410004.DAT

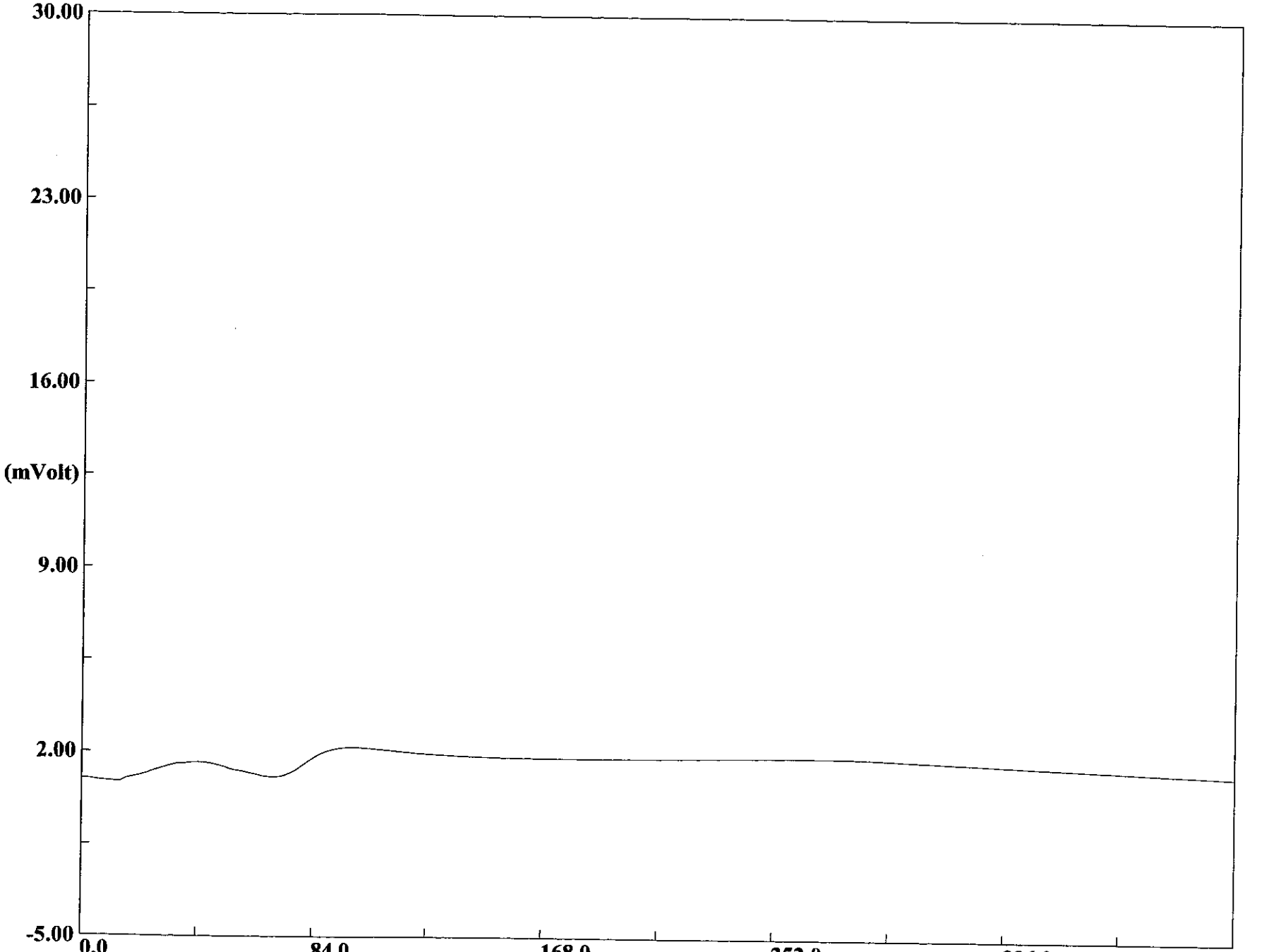
Sample name :l9h1f1aa Analysed :11/04/2010 11:40

C0K030562

4051

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410004.DAT

Sample name :l9h1f1aa Analysed :11/04/2010 11:40

Eager 300 Report

 Sample: 19h1f1aa (A110410004)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410004
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 11:40 Printed : 11/4/2010 15:27
Sample ID : 19h1f1aa (# 17) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

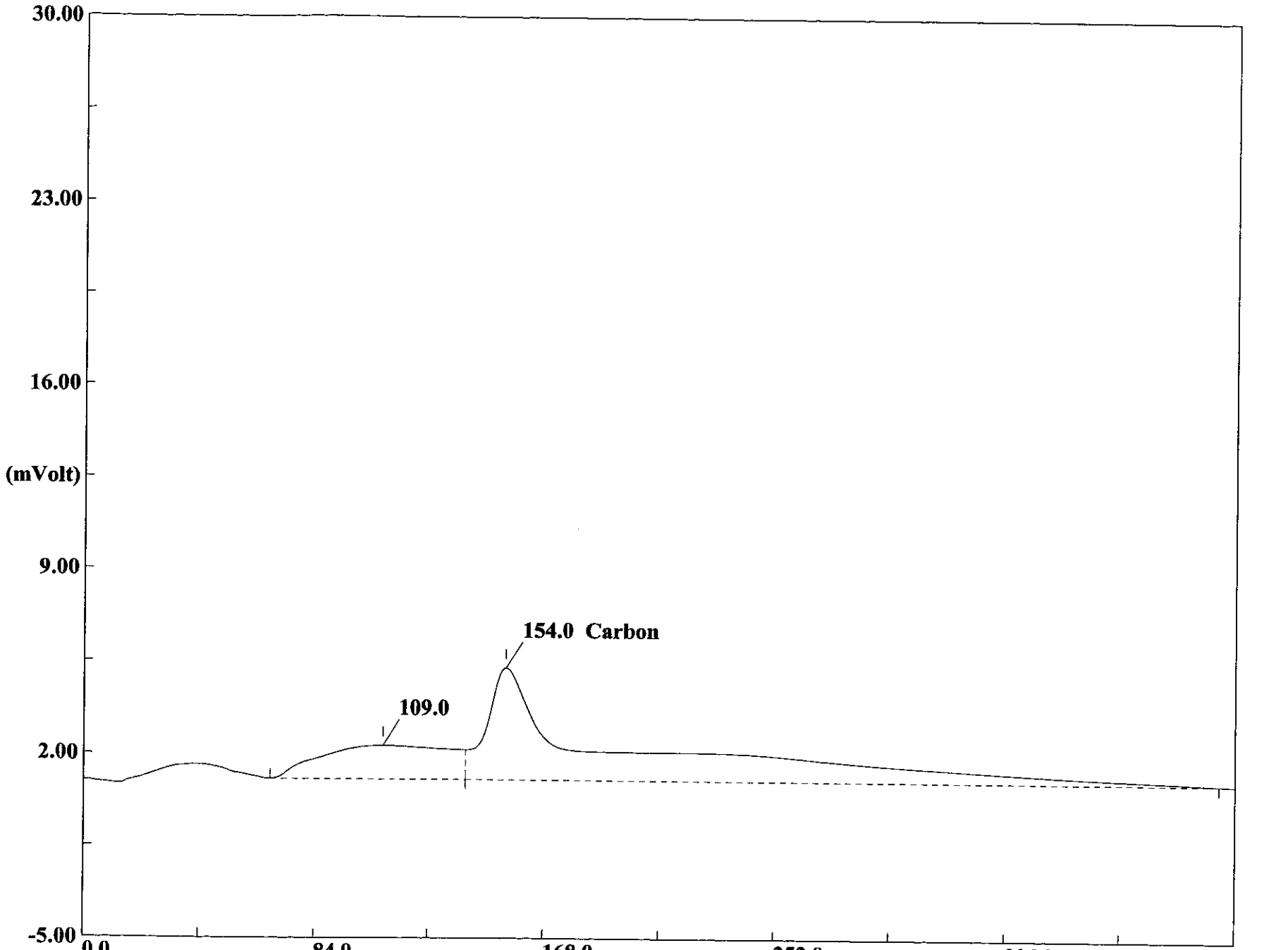
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4053

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410005.DAT

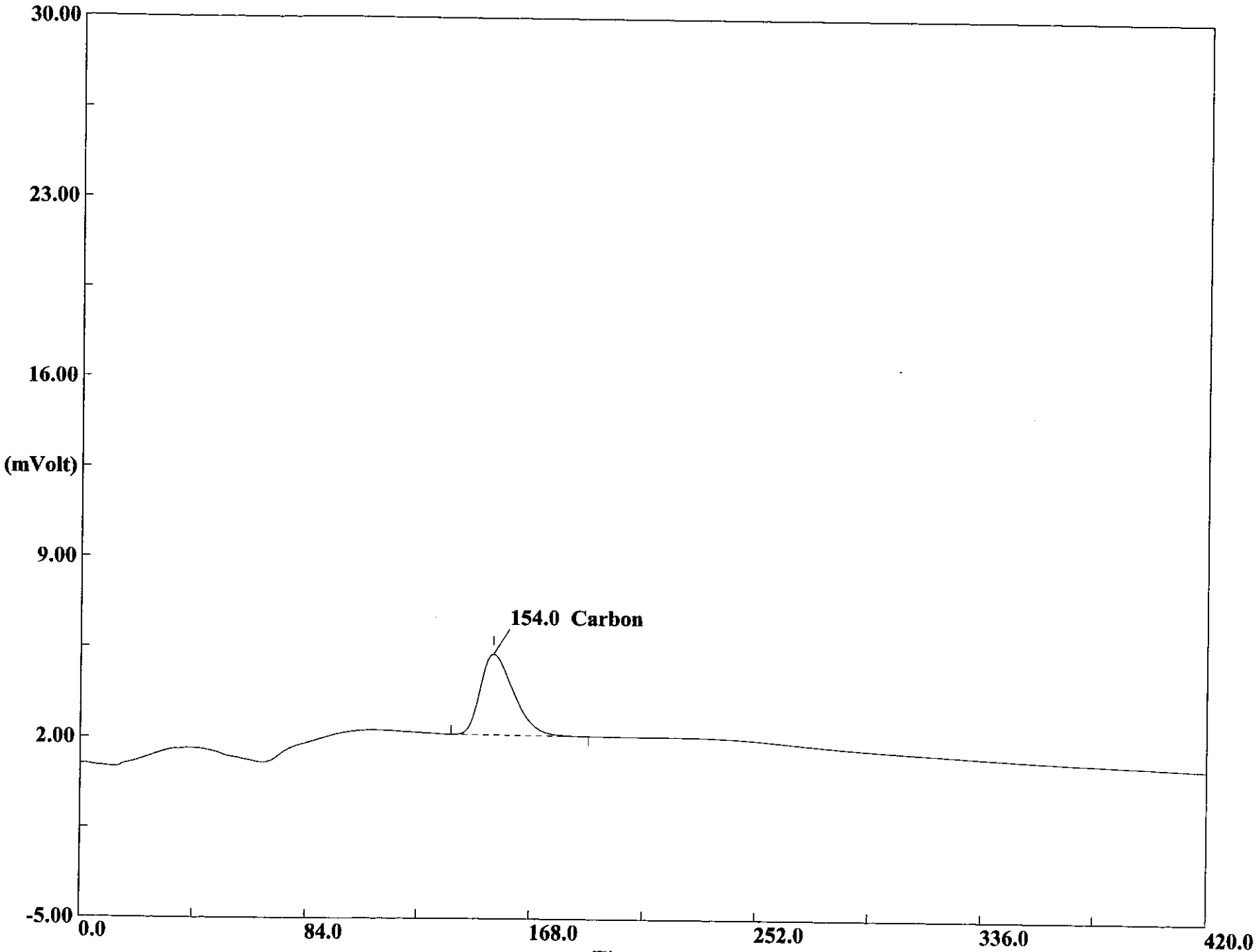
Sample name :l9h1f1ac Analysed :11/04/2010 11:47

C0K030562

4054

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410005.DAT

Sample name :l9h1f1ac Analysed :11/04/2010 11:47

Eager 300 Report

 Sample: 19h1f1ac (A110410005)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410005
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 11:47
Printed : 11/4/2010 15:27
Sample ID : 19h1f1ac (# 18)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 9.7

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.1305	154	447683	mi	1.000000	

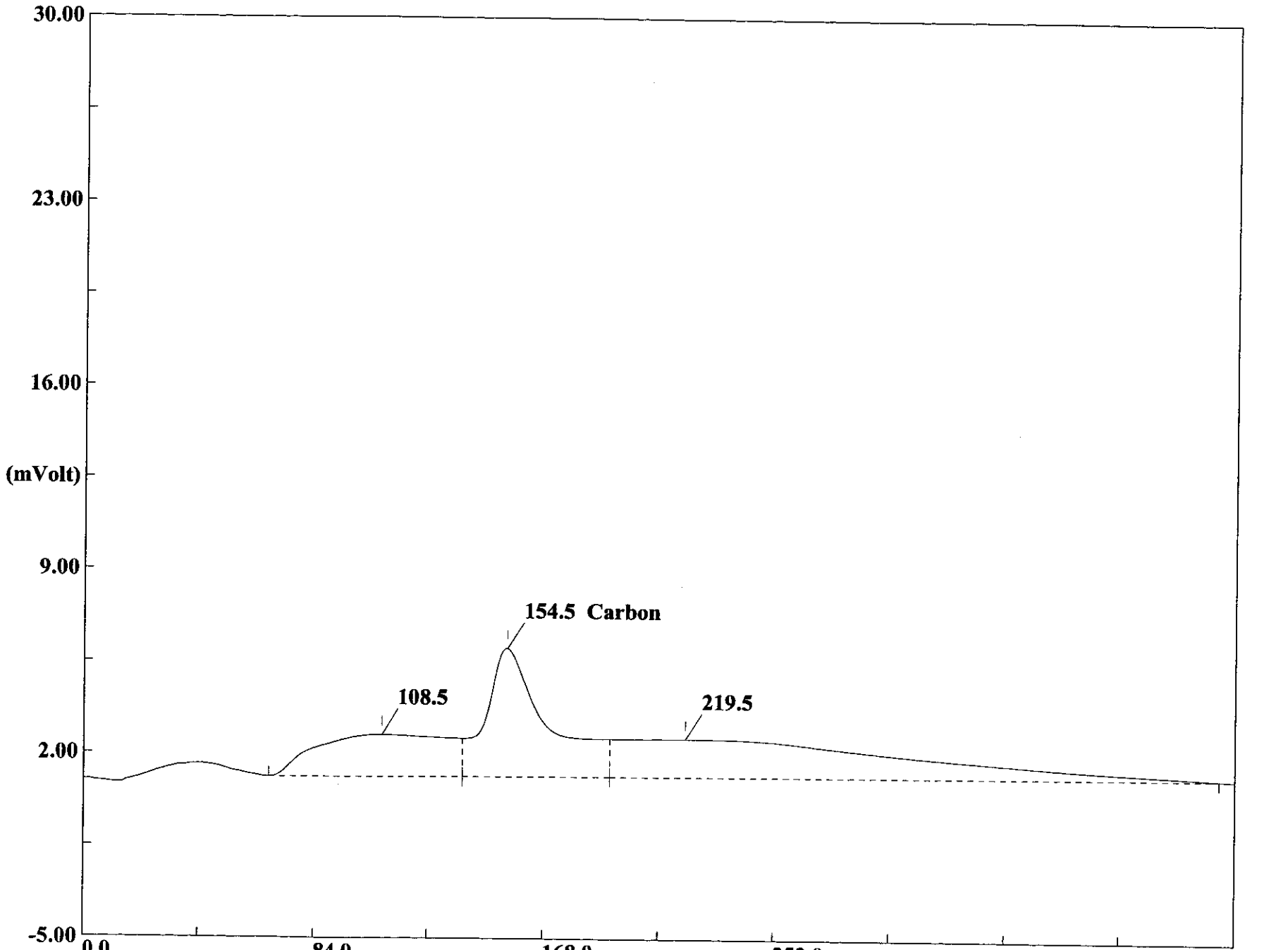
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4056

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410006.DAT

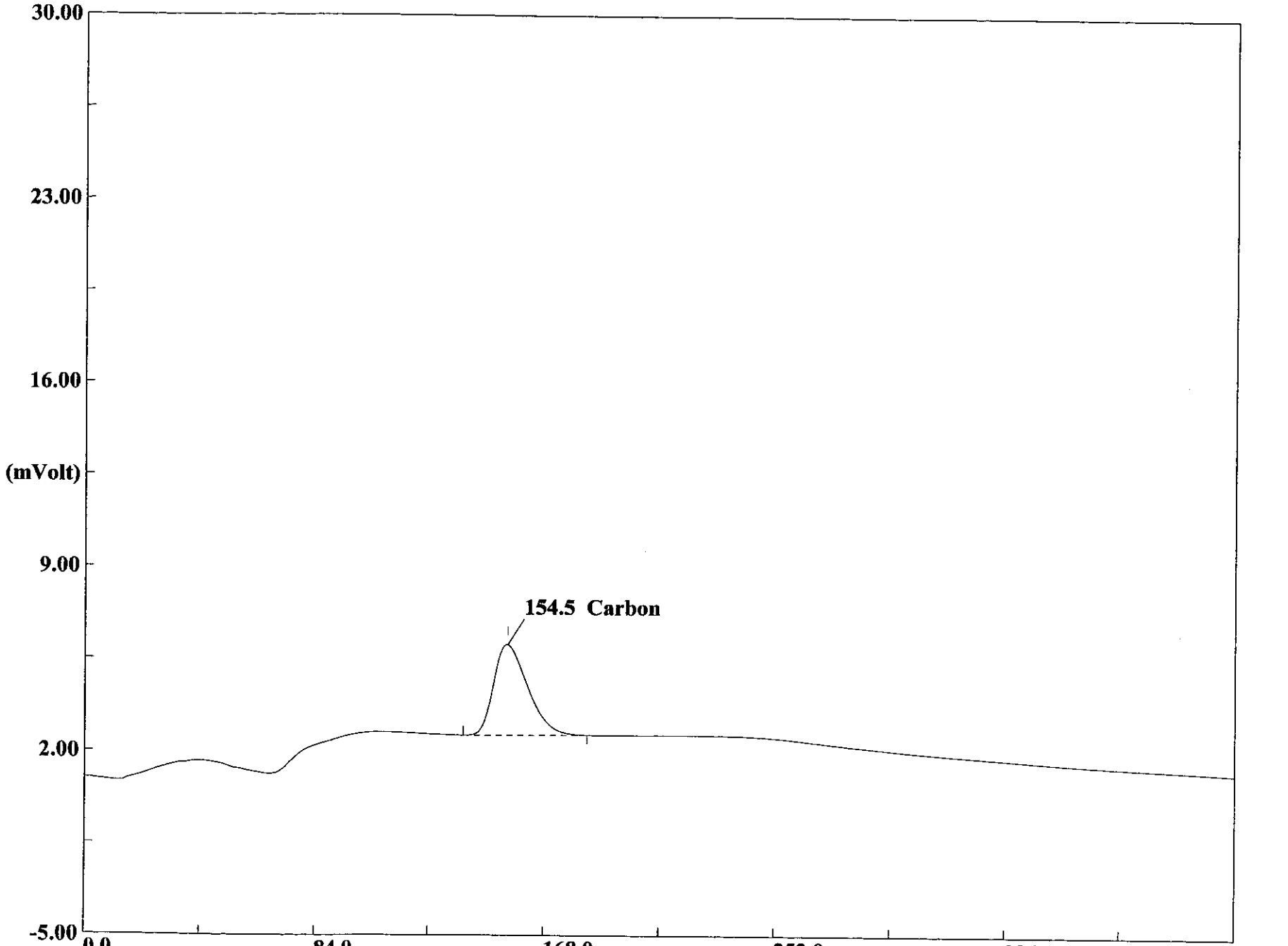
Sample name :l9h1f1ac Analysed :11/04/2010 11:55

C0K030562

4057

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410006.DAT

Sample name :l9h1f1ac Analysed :11/04/2010 11:55

Eager 300 Report

Page: 1 Sample: 19h1f1ac (A110410006)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410006
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 11:55 Printed : 11/4/2010 15:27
Sample ID : 19h1f1ac (# 19) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.5

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.1637	155	491307	mi	1.000000	

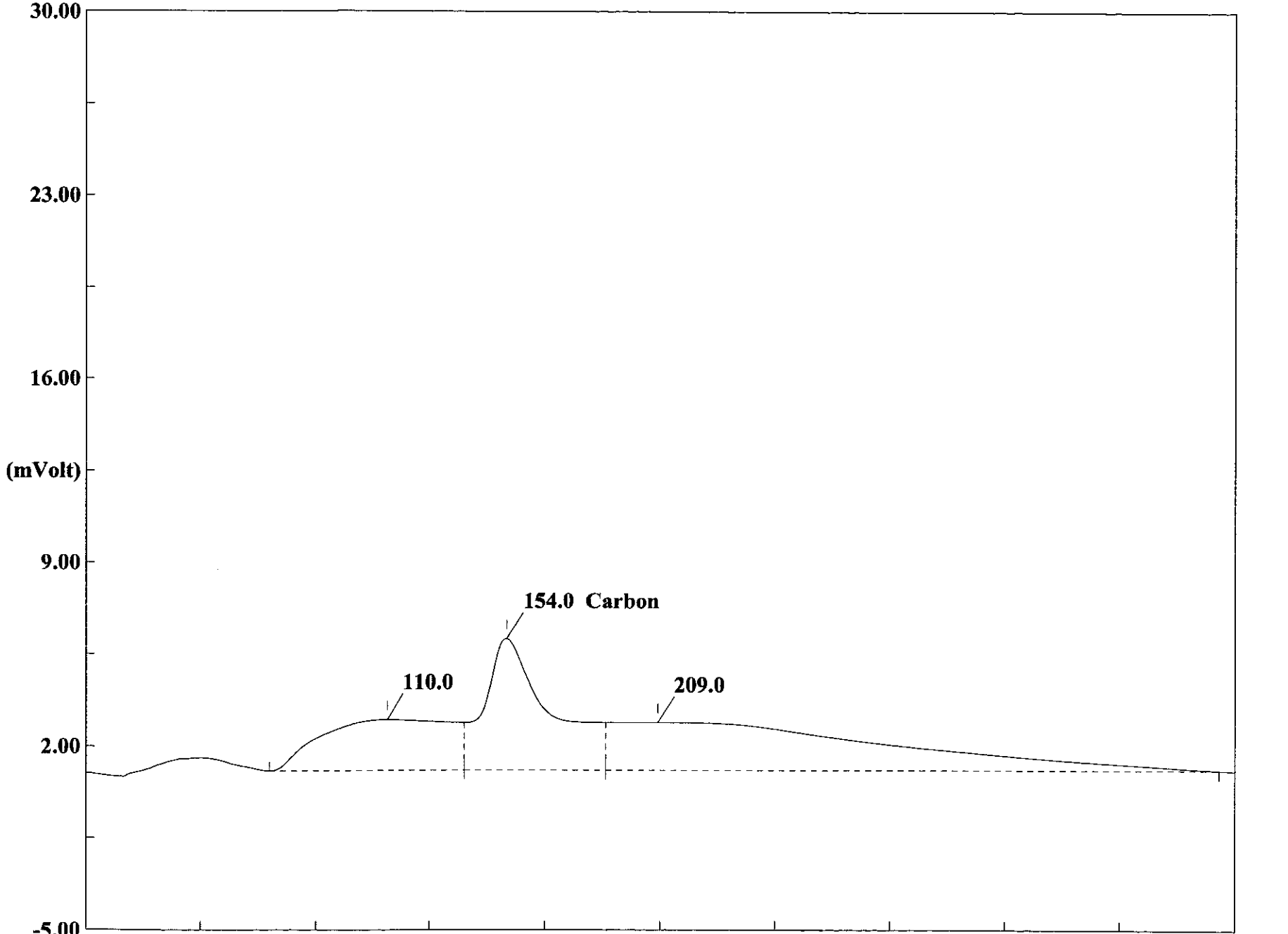
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4059

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410007.DAT

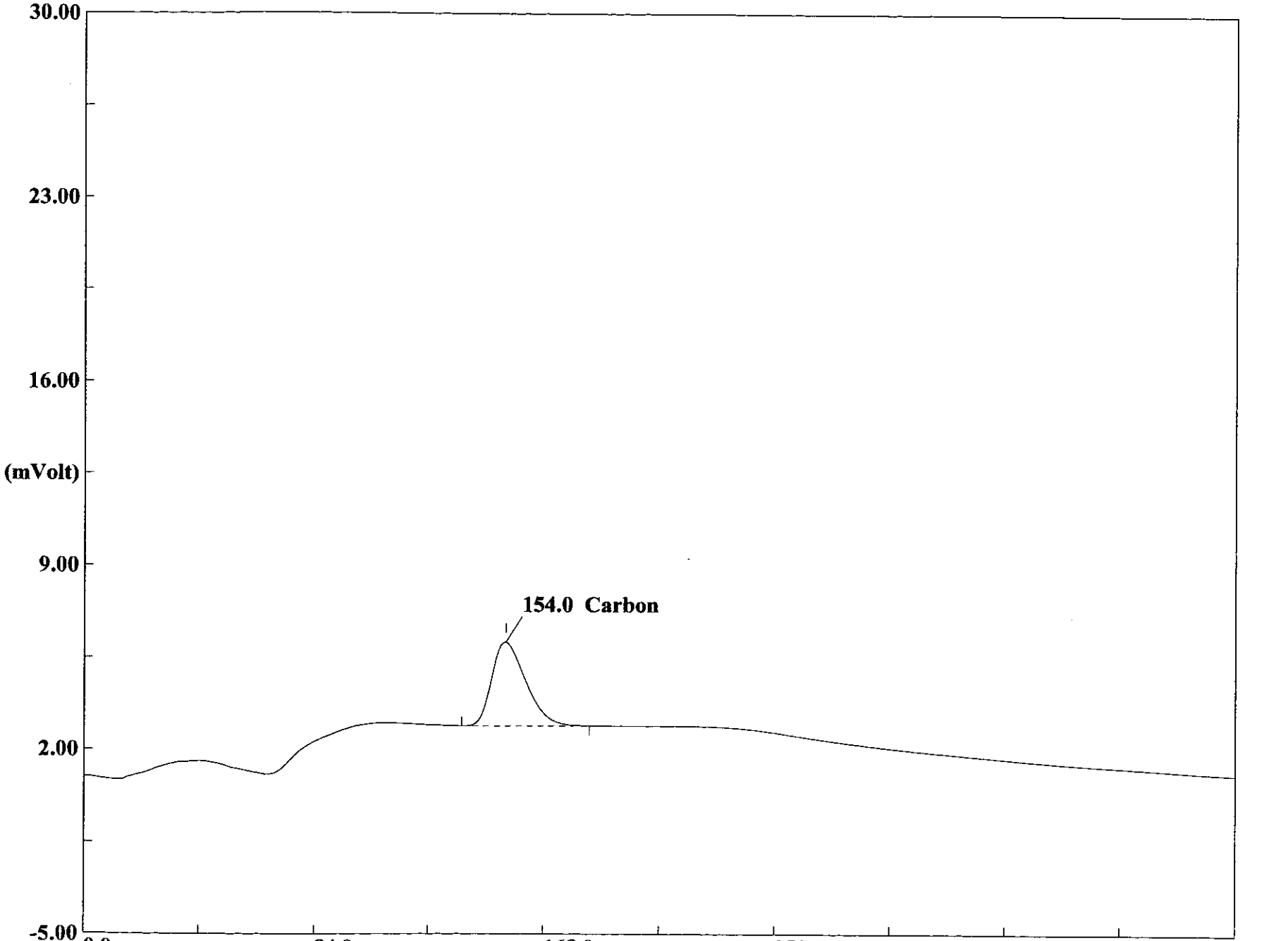
Sample name :l9h1f1ad Analysed :11/04/2010 12:02

C0K030562

4060

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410007.DAT

Sample name :l9h1f1ad Analysed :11/04/2010 12:02

Eager 300 Report

Page: 1 Sample: 19h1f1ad (A110410007)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410007
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 12:02 Printed : 11/4/2010 15:27
Sample ID : 19h1f1ad (# 20) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 9.5

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.2214	154	456980	mi	1.000000	

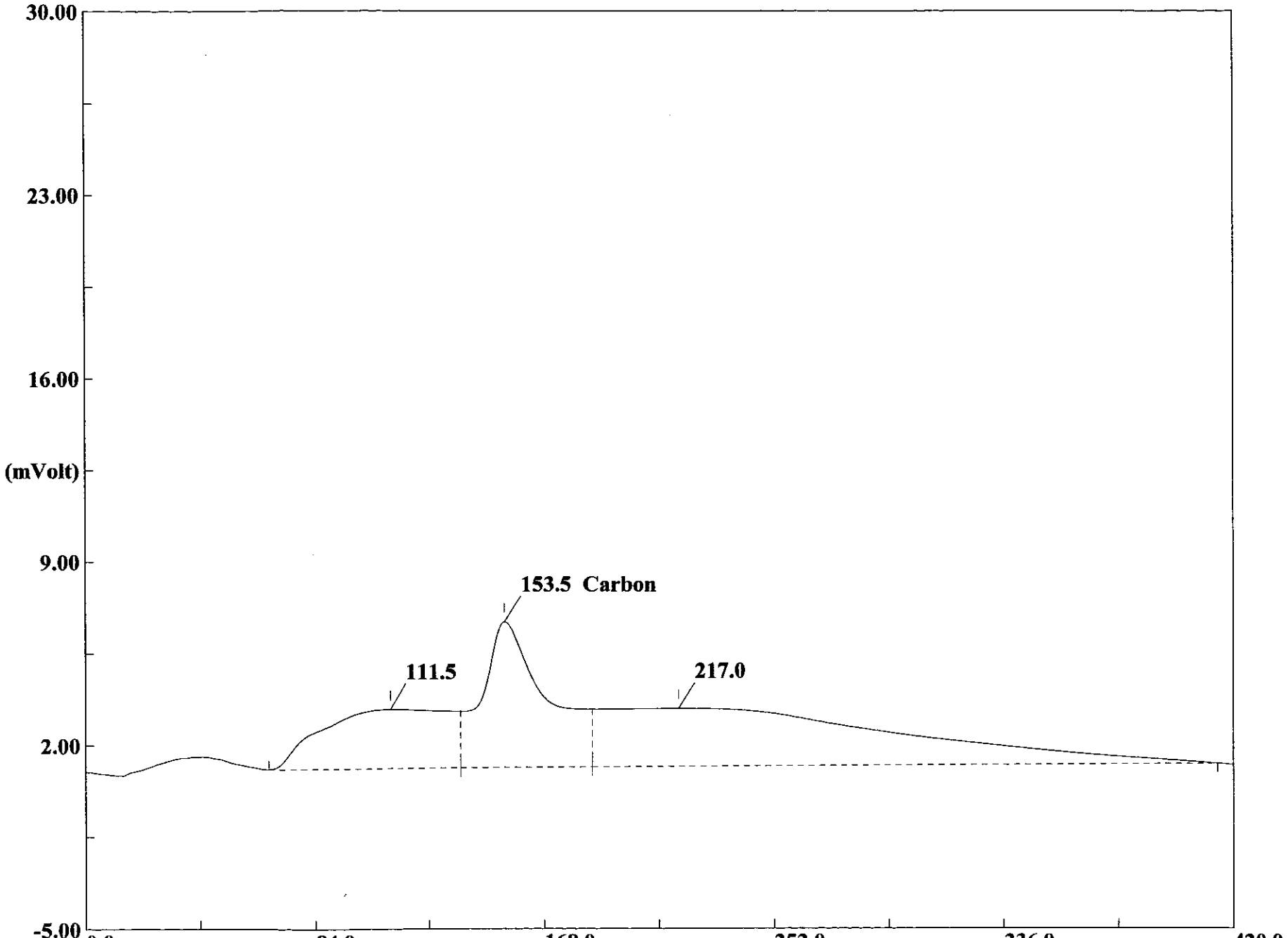
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4062

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410008.DAT

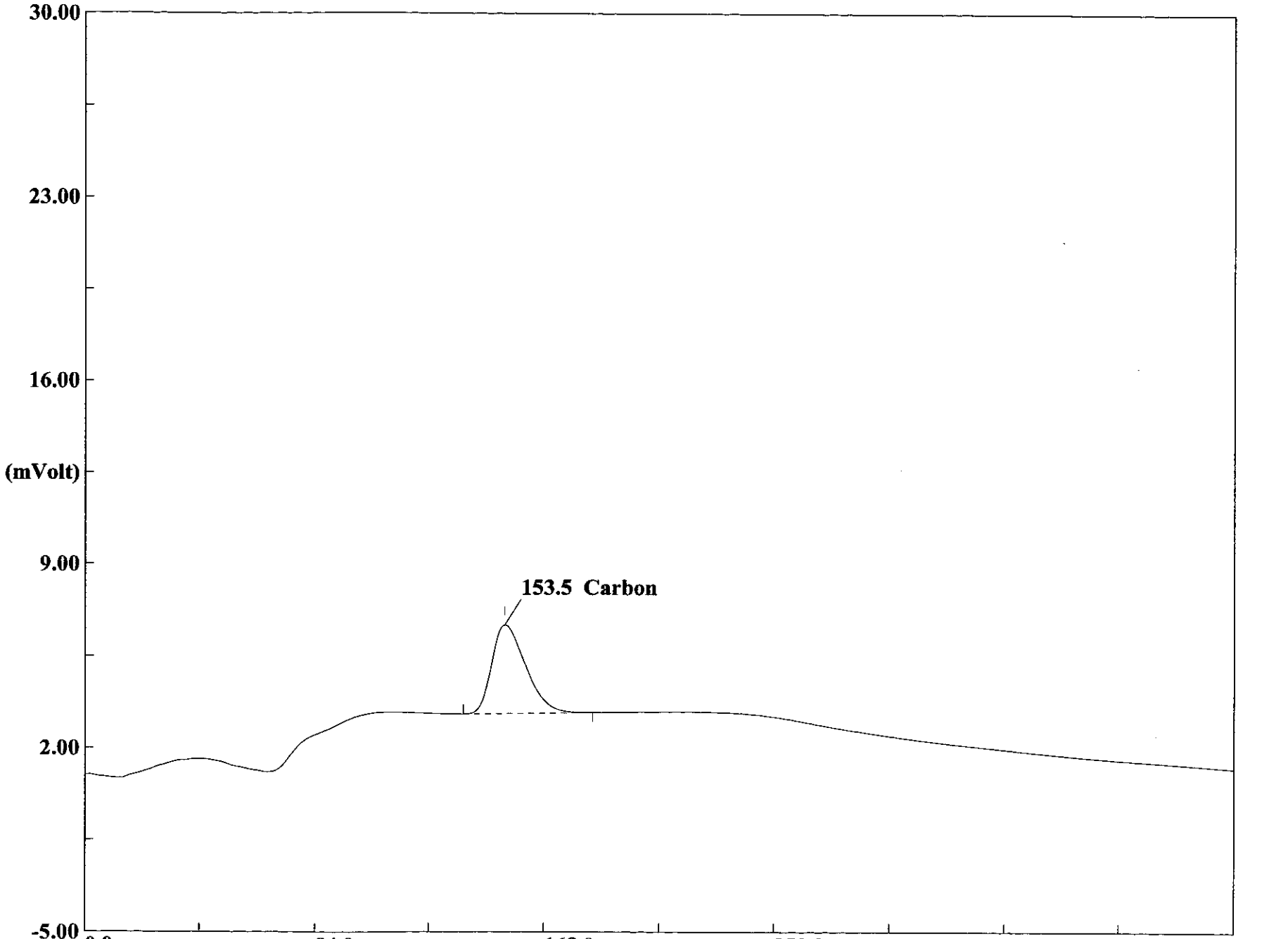
Sample name :l9h1f1ad Analysed :11/04/2010 12:09

C0K030562

4063

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410008.DAT

Sample name :l9h1f1ad Analysed :11/04/2010 12:09

Eager 300 Report

Page: 1 Sample: 19h1f1ad (A110410008)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410008
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 12:09 Printed : 11/4/2010 15:27
Sample ID : 19h1f1ad (# 21) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.5

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.1225	154	482127	mi	1.000000	

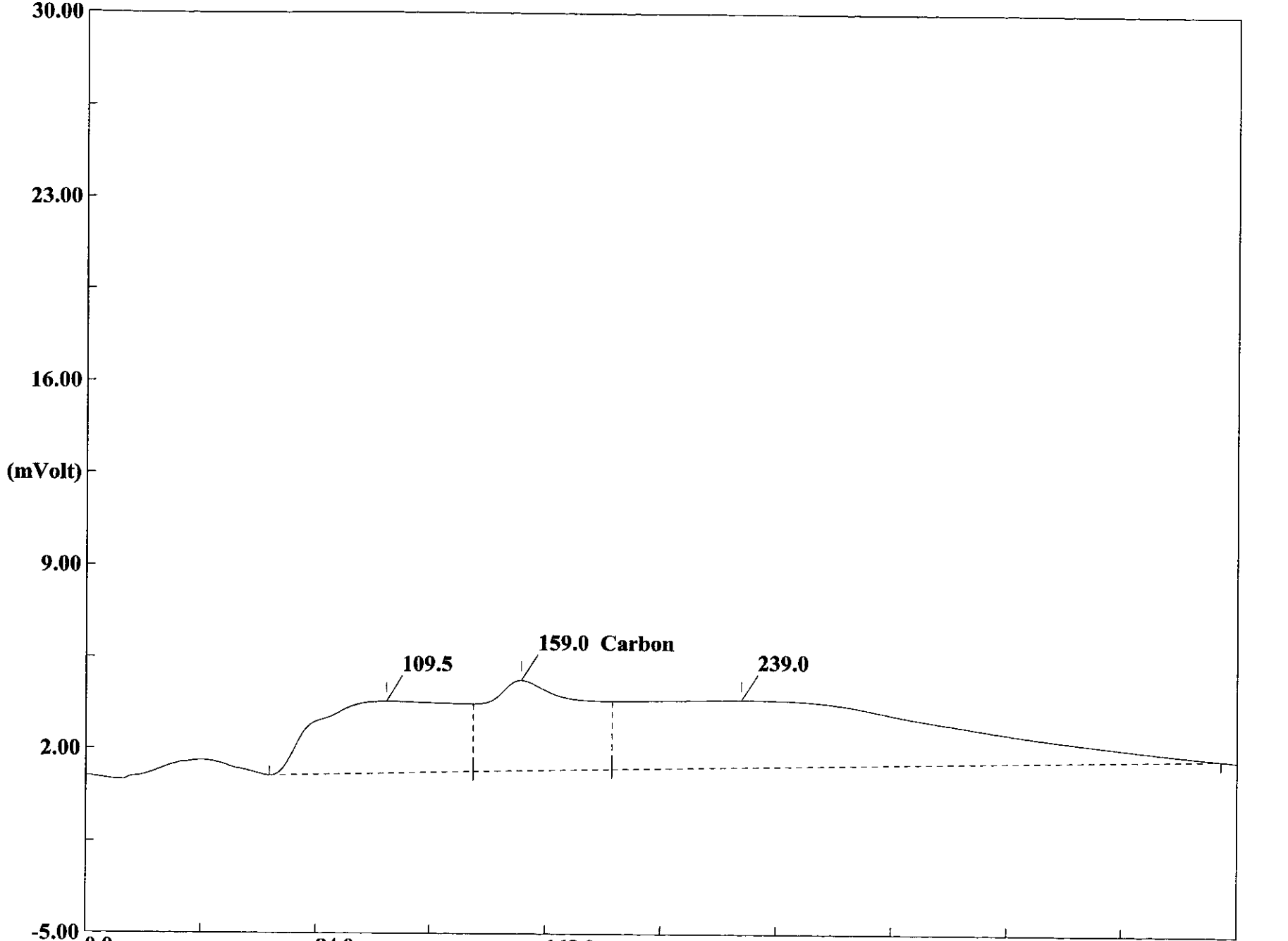
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4065

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410009.DAT

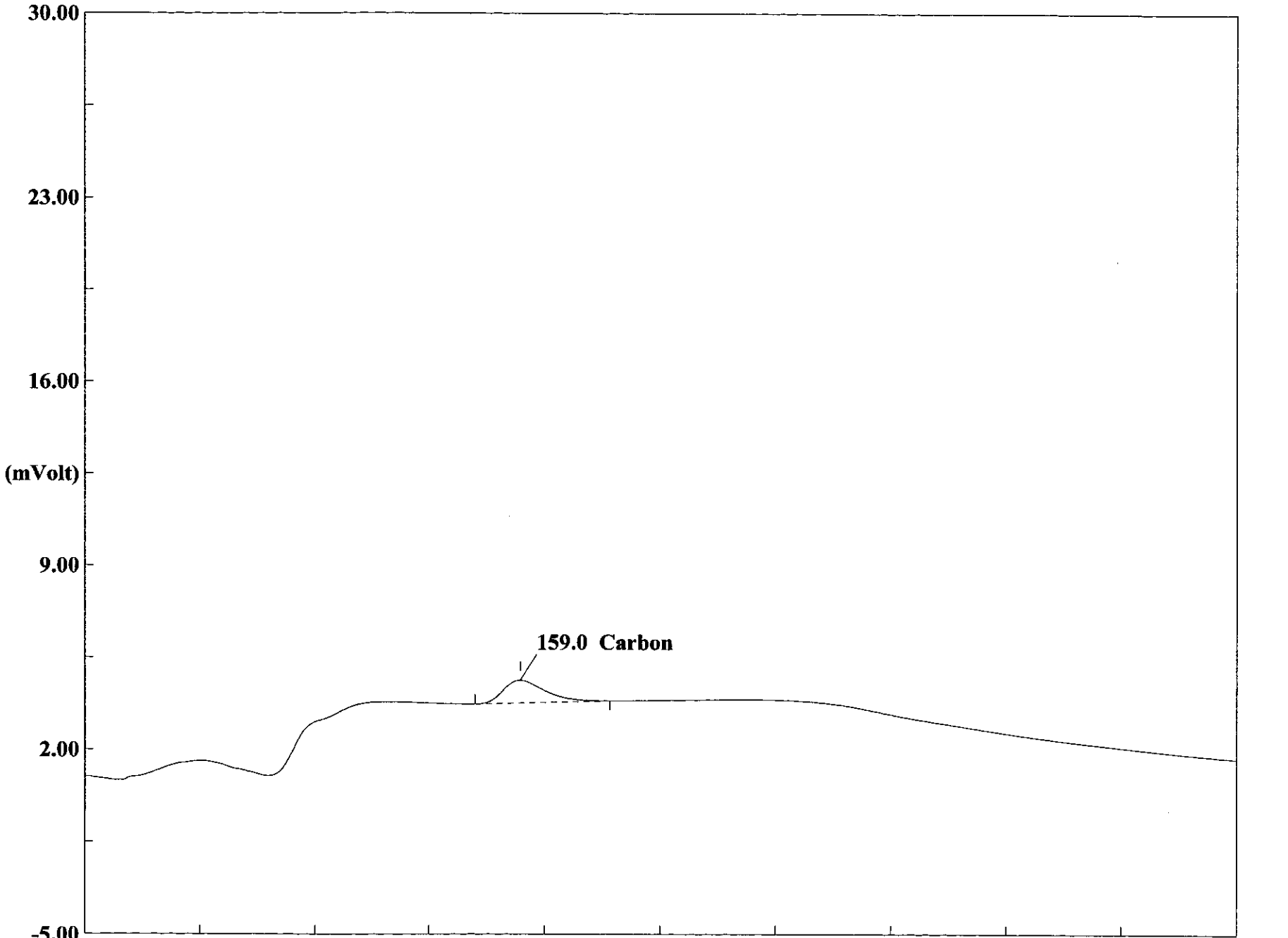
Sample name :l9d6a1al Analysed :11/04/2010 12:16

C0K030562

4066

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410009.DAT

Sample name :l9d6a1al Analysed :11/04/2010 12:16

Eager 300 Report

Page: 1 Sample: 19d6a1a1 (A110410009)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410009
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 12:16 Printed : 11/4/2010 15:27
Sample ID : 19d6a1a1 (# 22) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 19.4

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.3478	159	151973	mi	1.000000	

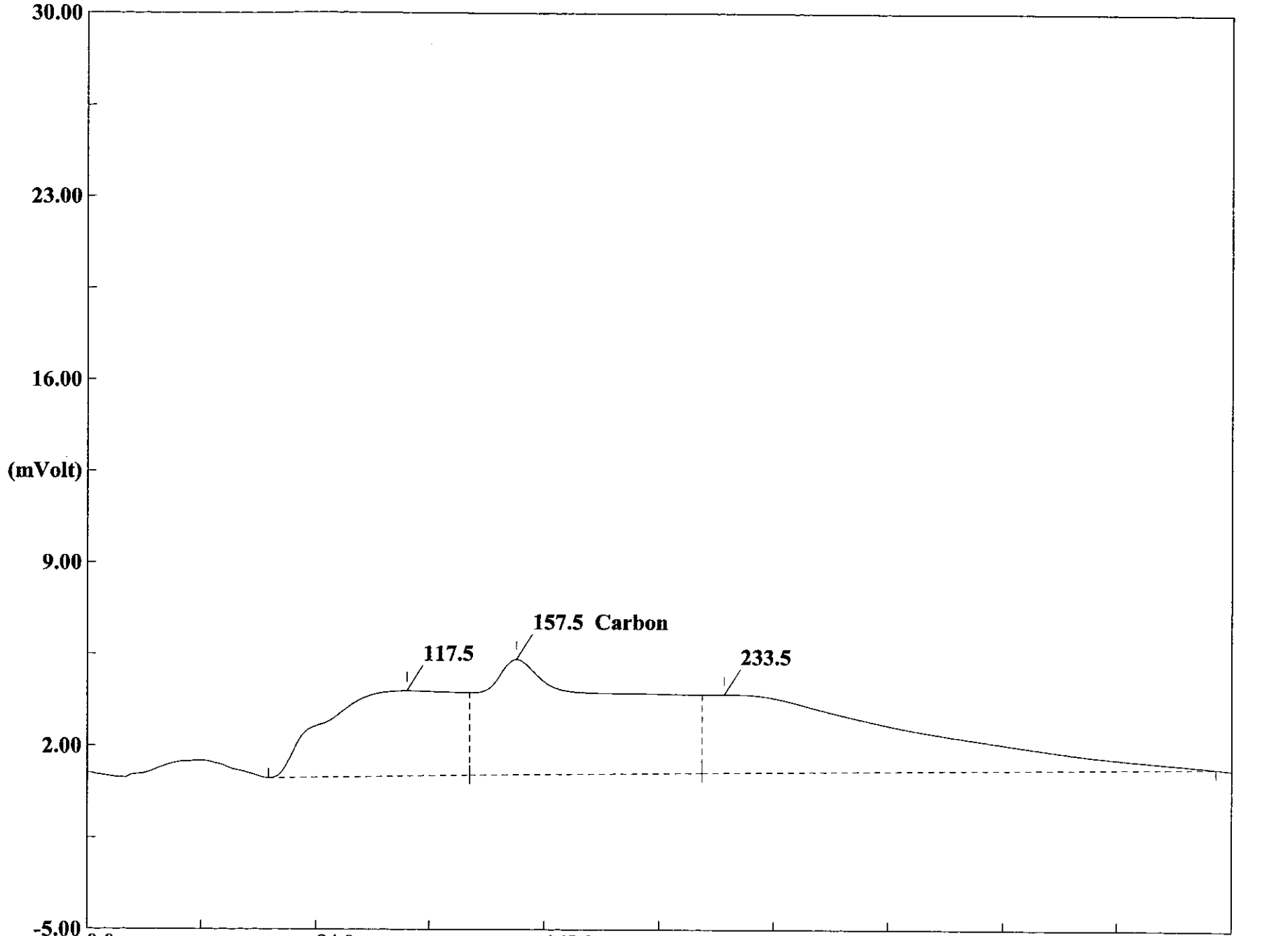
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4068

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410010.DAT

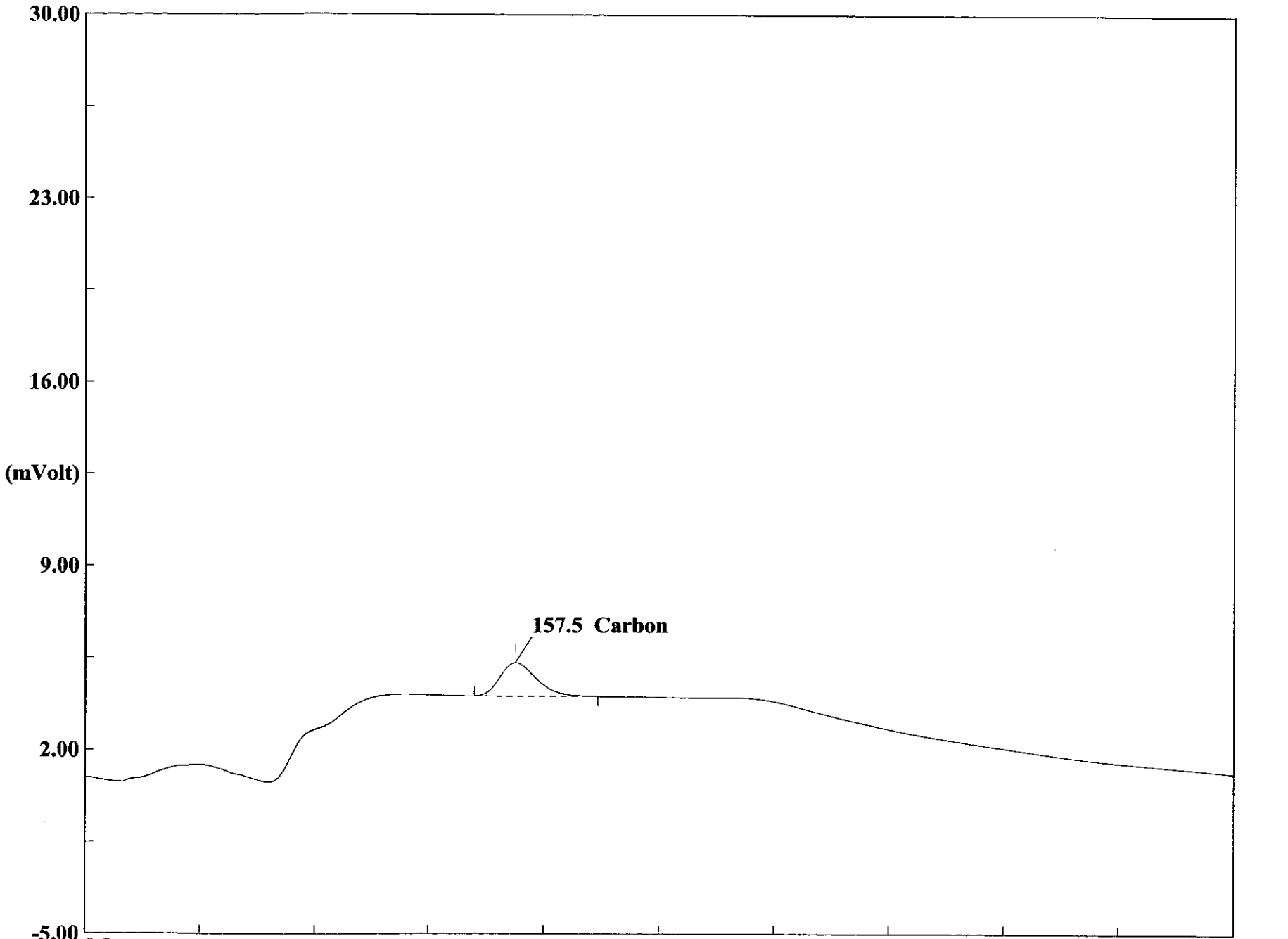
Sample name :l9d6a1al Analysed :11/04/2010 12:23

C0K030562

4069

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410010.DAT

Sample name :l9d6a1al Analysed :11/04/2010 12:23

Eager 300 Report

Page: 1 Sample: l9d6a1a1 (A110410010)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410010
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 12:23 Printed : 11/4/2010 15:27
Sample ID : l9d6a1a1 (# 23) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 19.2

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.4539	158	193763	mi	1.000000	

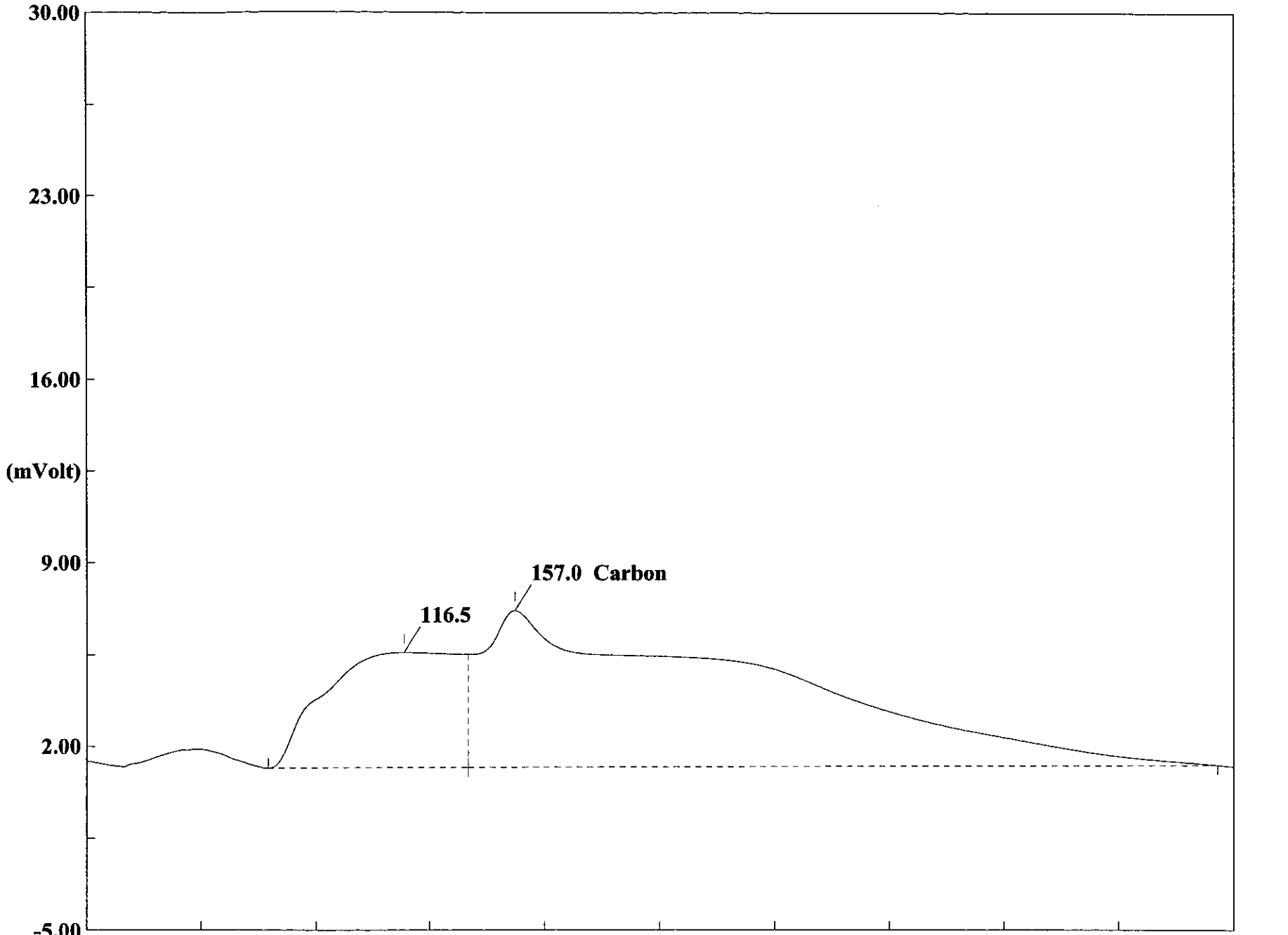
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4071

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410013.DAT

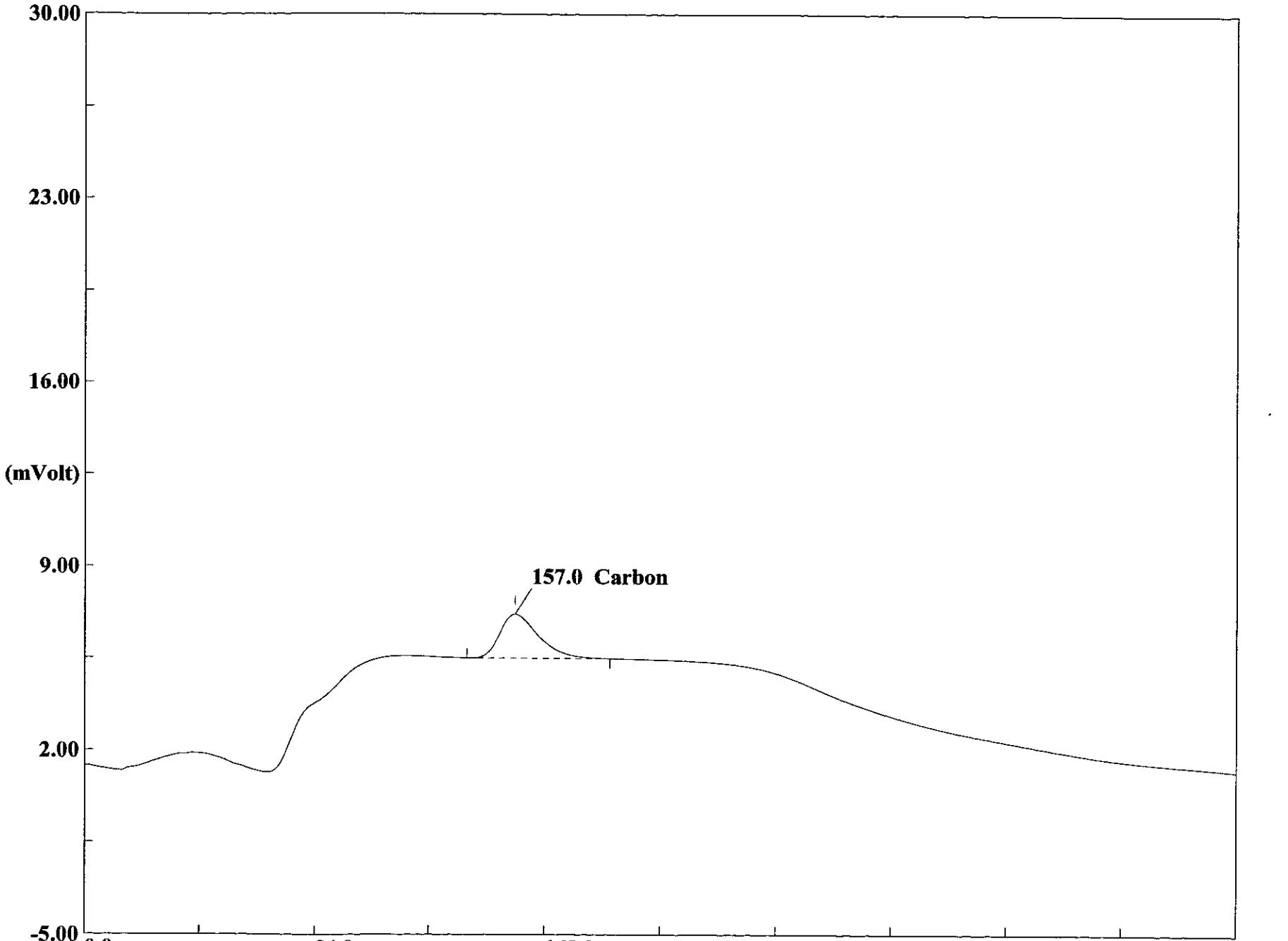
Sample name :l9d6a1al Analysed :11/04/2010 12:45

C0K030562

4072

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410013.DAT

Sample name :l9d6a1al Analysed :11/04/2010 12:45

Eager 300 Report

Page: 1 Sample: 19d6a1a1 (A110410013)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410013
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 12:45 Printed : 11/4/2010 15:27
Sample ID : 19d6a1a1 (# 24) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.6221	157	272938	mi	1.000000	

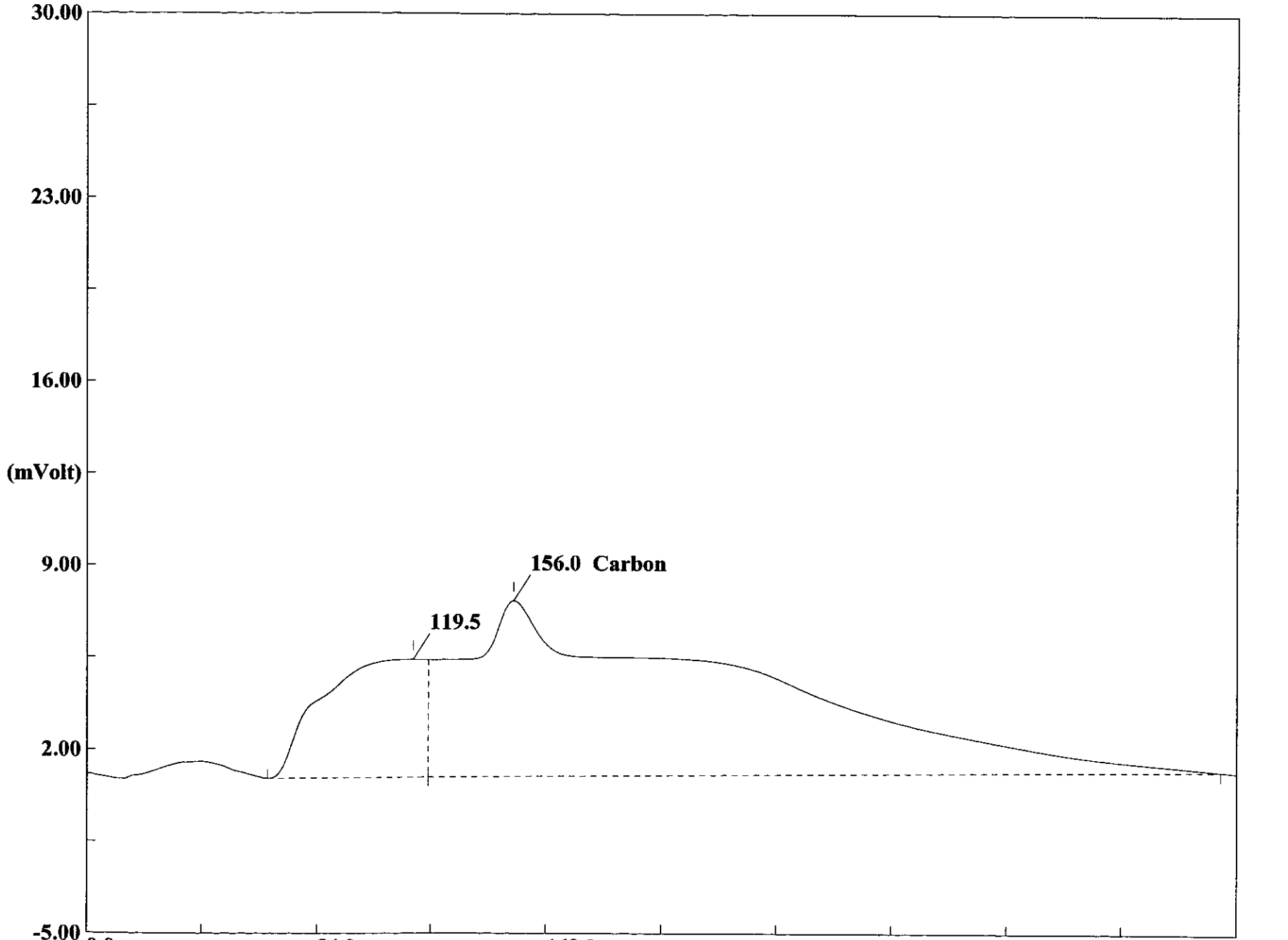
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4074

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410014.DAT

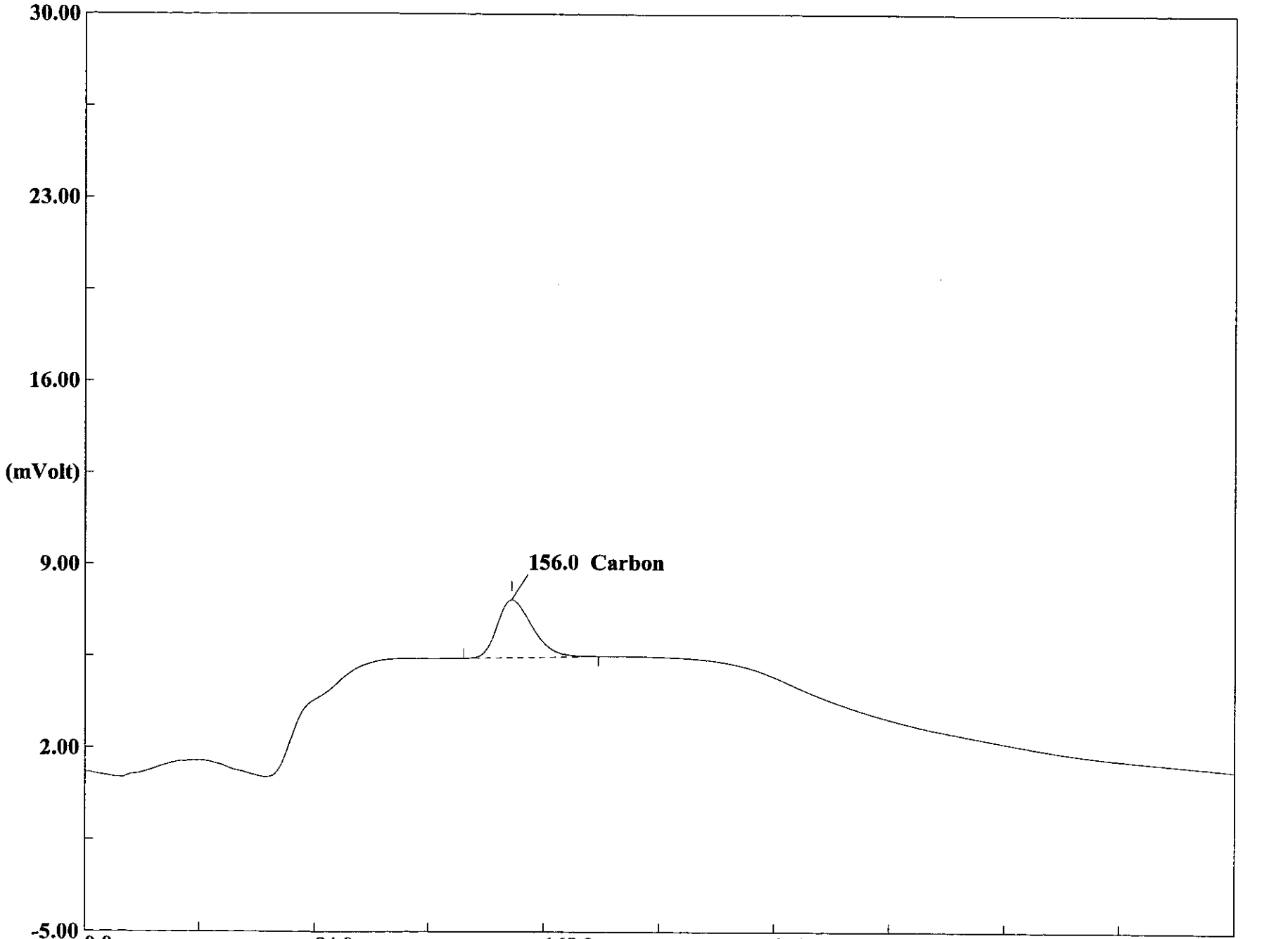
Sample name :l9d6a1al Analysed :11/04/2010 12:52

C0K030562

4075

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410014.DAT

Sample name :l9d6a1al Analysed :11/04/2010 12:52

Eager 300 Report

Page: 1 Sample: 19d6a1a1 (A110410014)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410014
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 12:52 Printed : 11/4/2010 15:27
Sample ID : 19d6a1a1 (# 25) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 19.8

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.7531	156	325422	mi	1.000000	

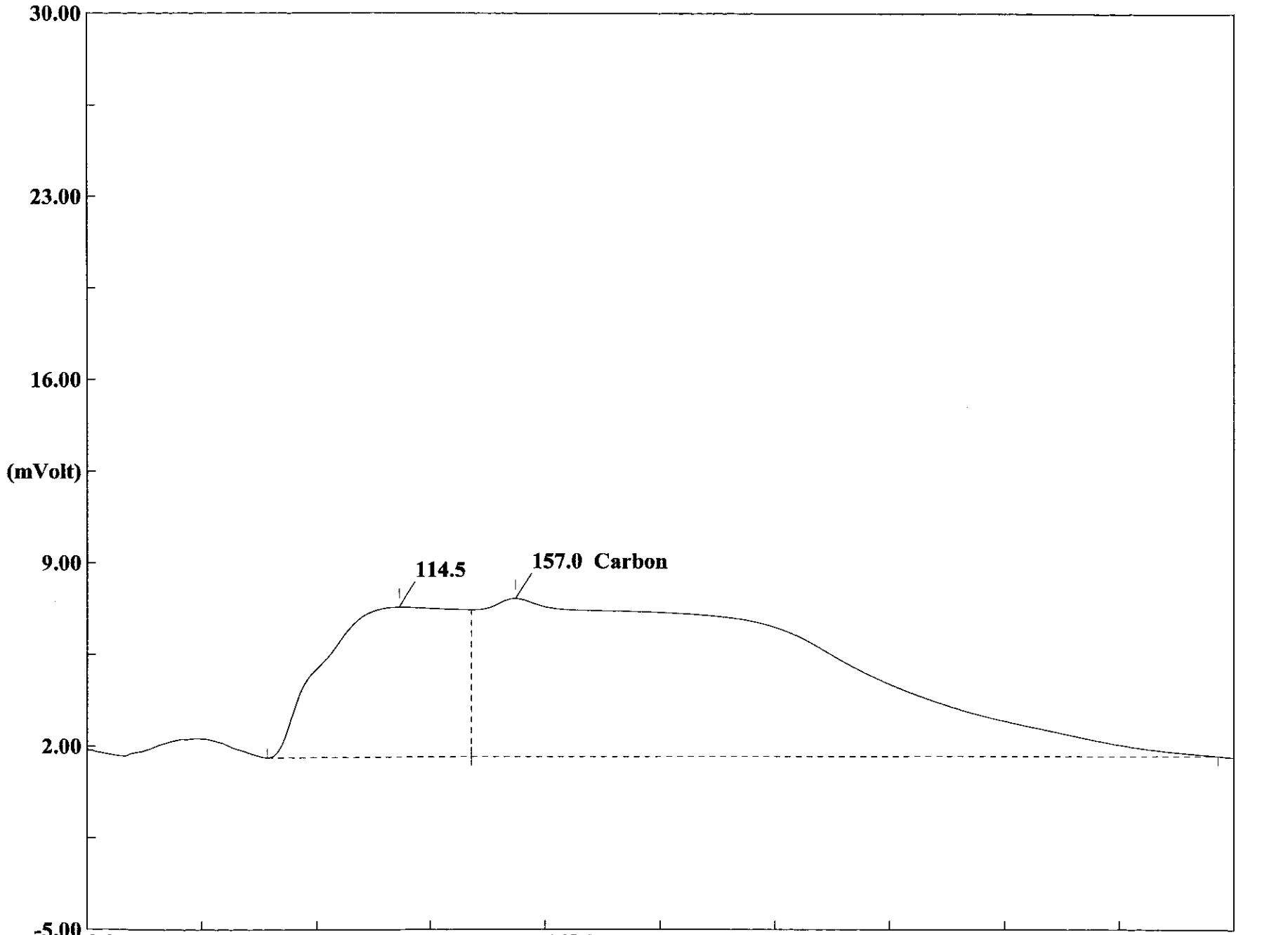
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4077

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410017.DAT

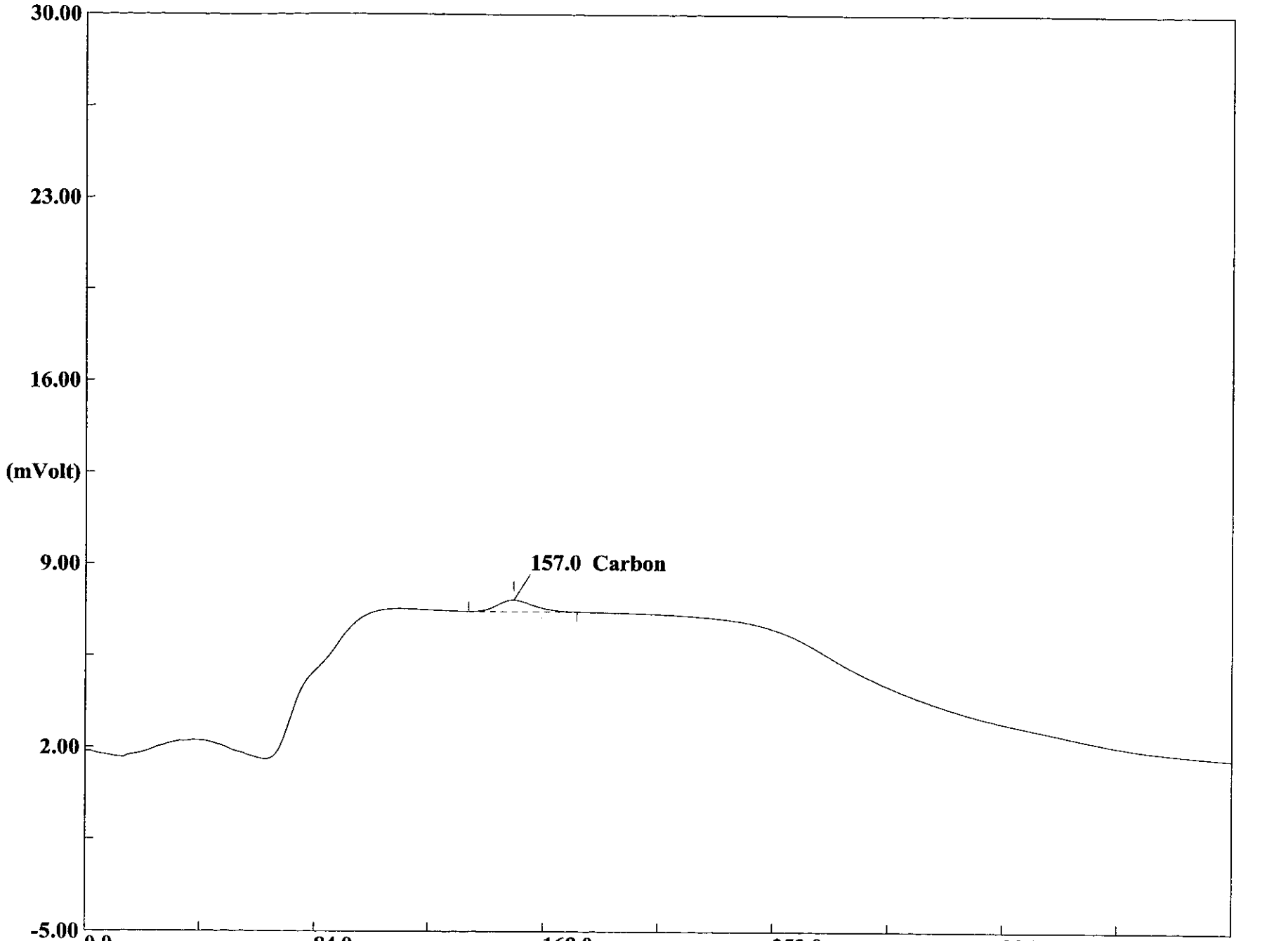
Sample name :I9d6p1al Analysed :11/04/2010 13:14

C0K030562

4078

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410017.DAT

Sample name :l9d6p1al Analysed :11/04/2010 13:14

Eager 300 Report

Page: 1 Sample: 19d6p1al (A110410017)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410017
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 13:14 Printed : 11/4/2010 15:27
Sample ID : 19d6p1al (# 26) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 19.3

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1412	157	66496	mi	1.000000	

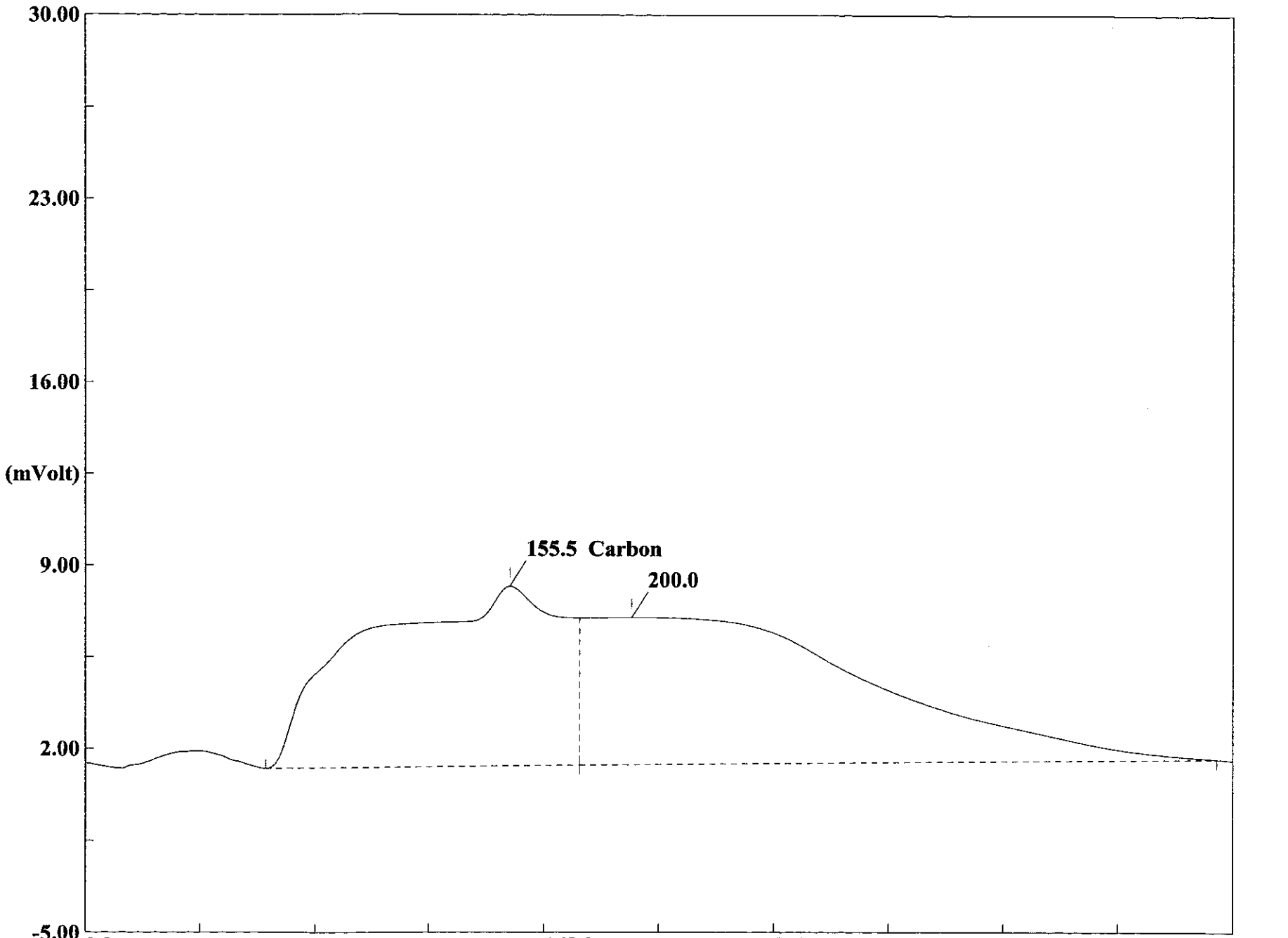
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4080

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410018.DAT

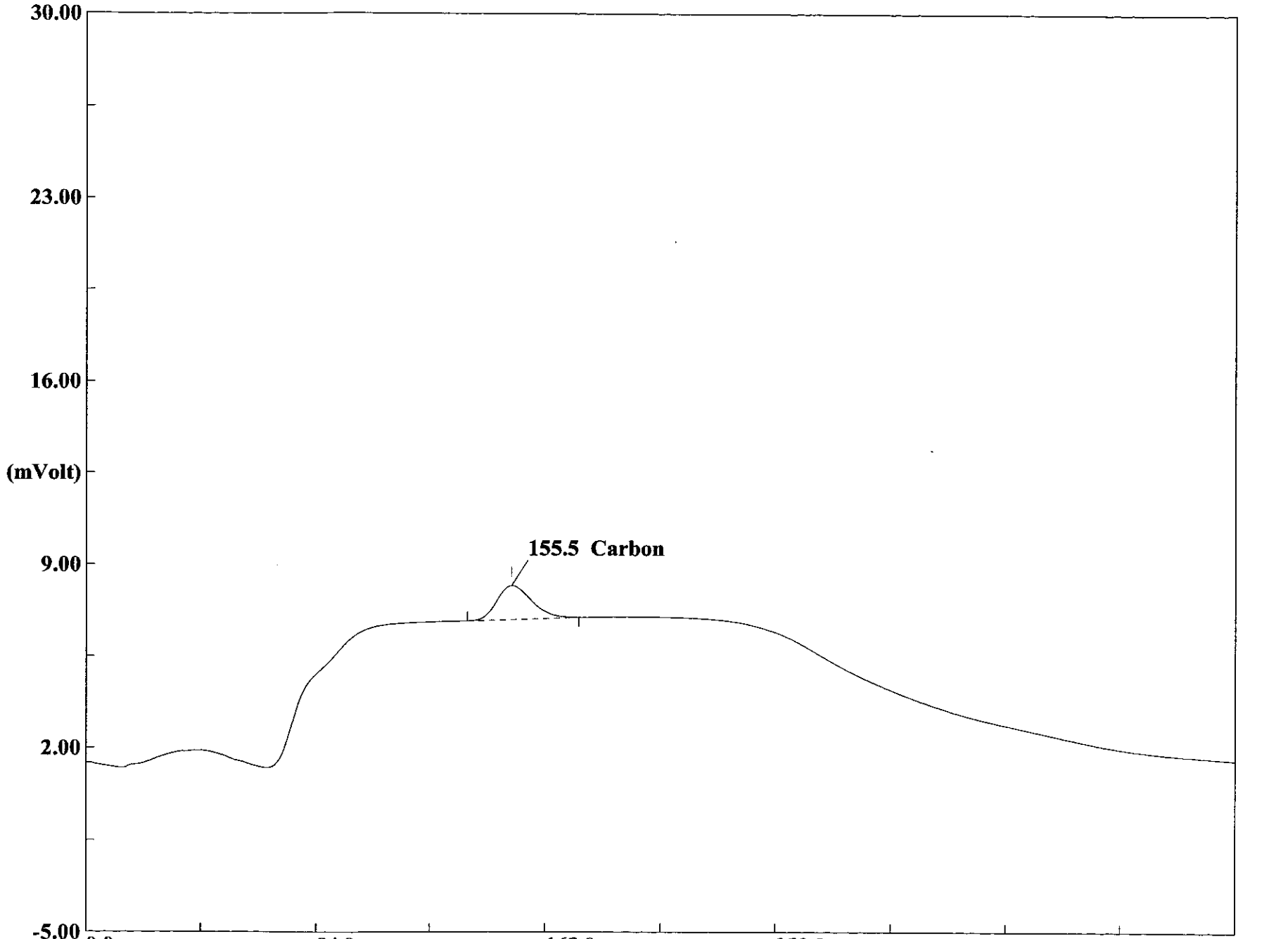
Sample name :l9d6p1al Analysed :11/04/2010 13:21

C0K030562

4081

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410018.DAT

Sample name :l9d6p1al Analysed :11/04/2010 13:21

Eager 300 Report

Page: 1 Sample: 19d6p1al (A110410018)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410018
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 13:21 Printed : 11/4/2010 15:27
Sample ID : 19d6p1al (# 27) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 19.5

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.4346	156	188642	mi	1.000000	

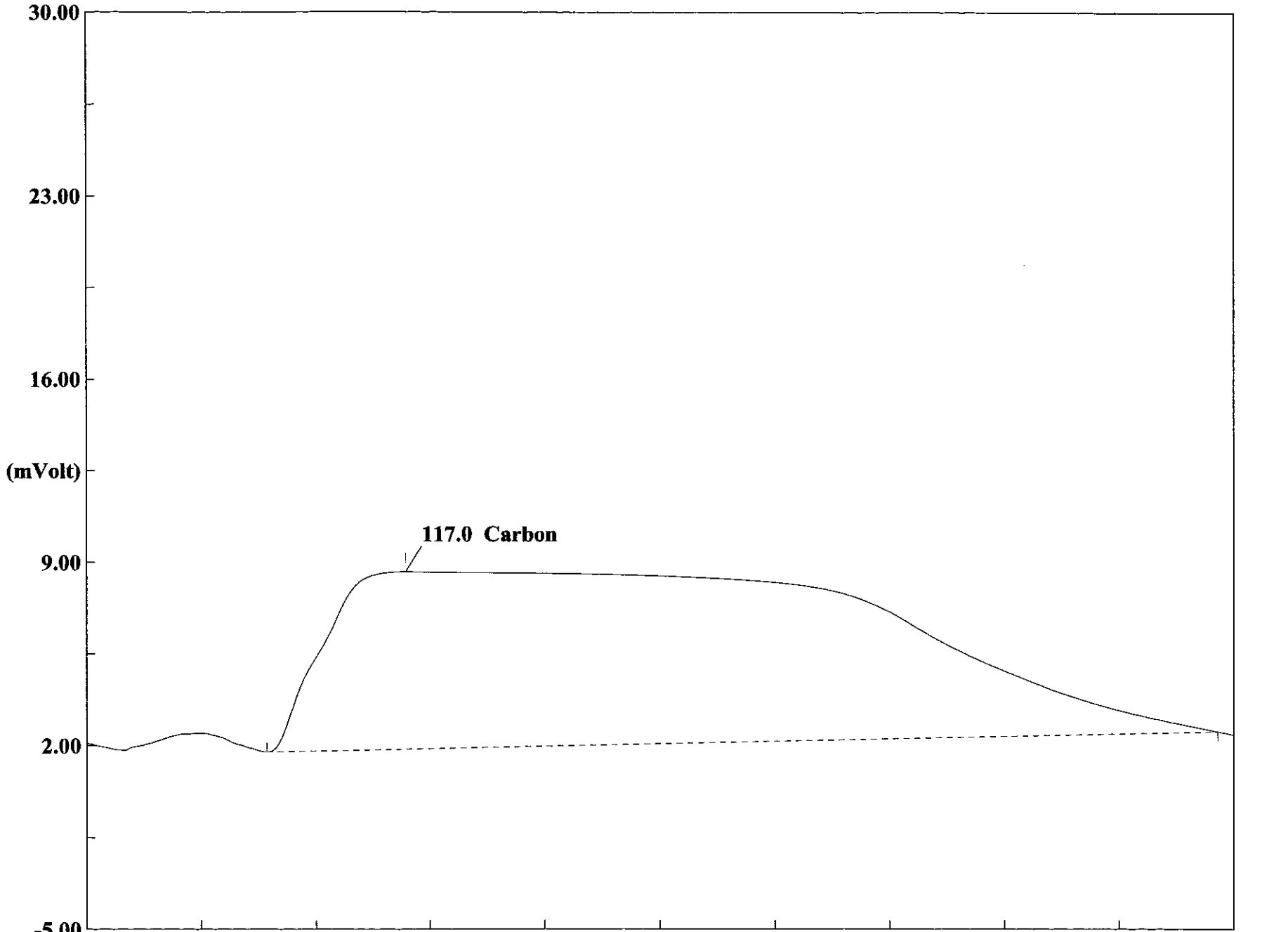
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4083

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410021.DAT

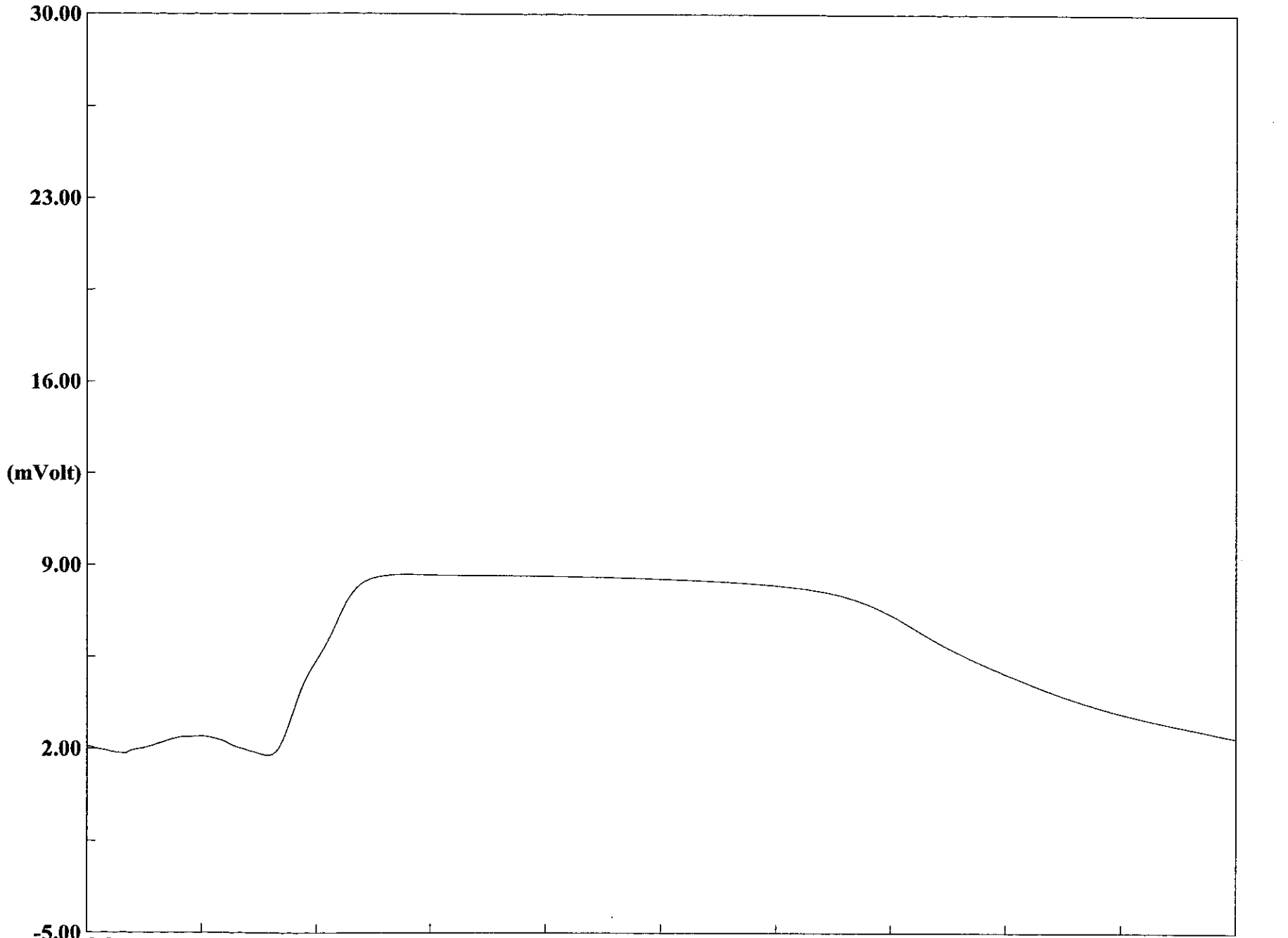
Sample name :ccb Analysed :11/04/2010 13:43

C0K030562

4084

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410021.DAT

Sample name :ccb Analysed :11/04/2010 13:43

Eager 300 Report

Page: 1 Sample: ccb (A110410021)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410021
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 13:43 Printed : 11/4/2010 15:27
Sample ID : ccb (# 28) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

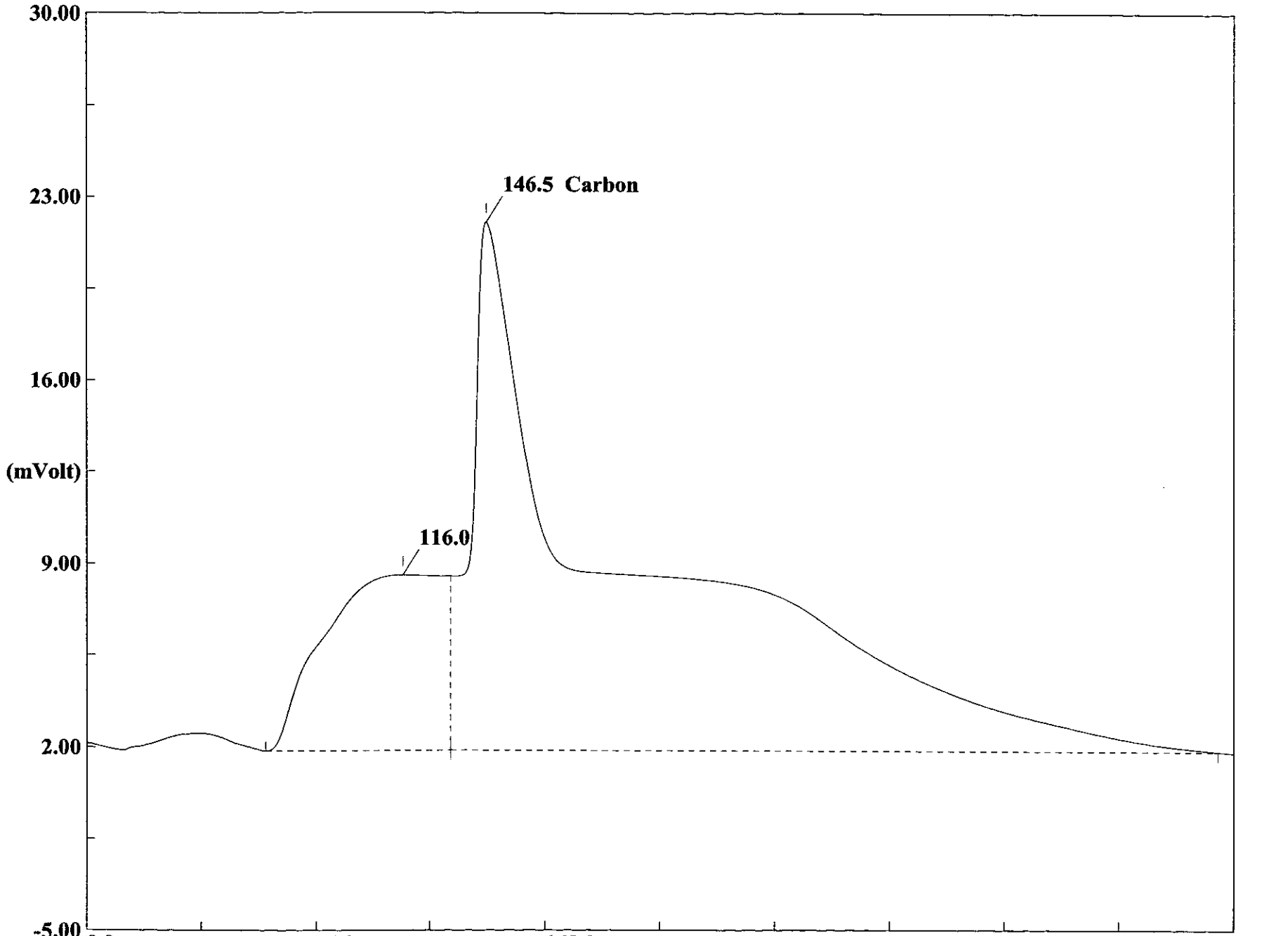
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4086

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410022.DAT

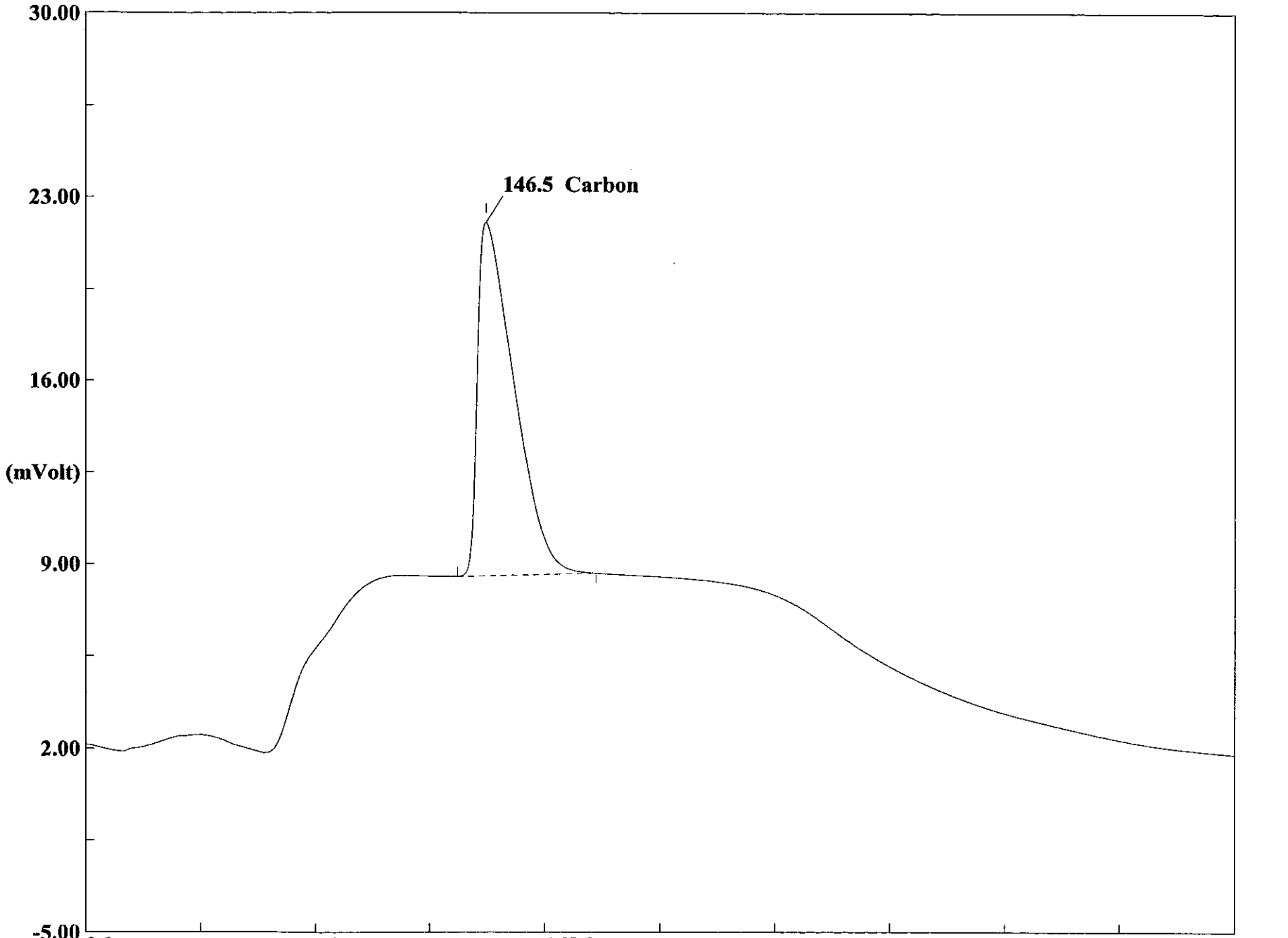
Sample name :ccv Analysed :11/04/2010 13:50

C0K030562

4087

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410022.DAT

Sample name :ccv Analysed :11/04/2010 13:50

Eager 300 Report

 Sample: ccv (A110410022)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410022
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 13:50 Printed : 11/4/2010 15:27
Sample ID : ccv (# 29) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9700	147	2069612	mi	1.000000	

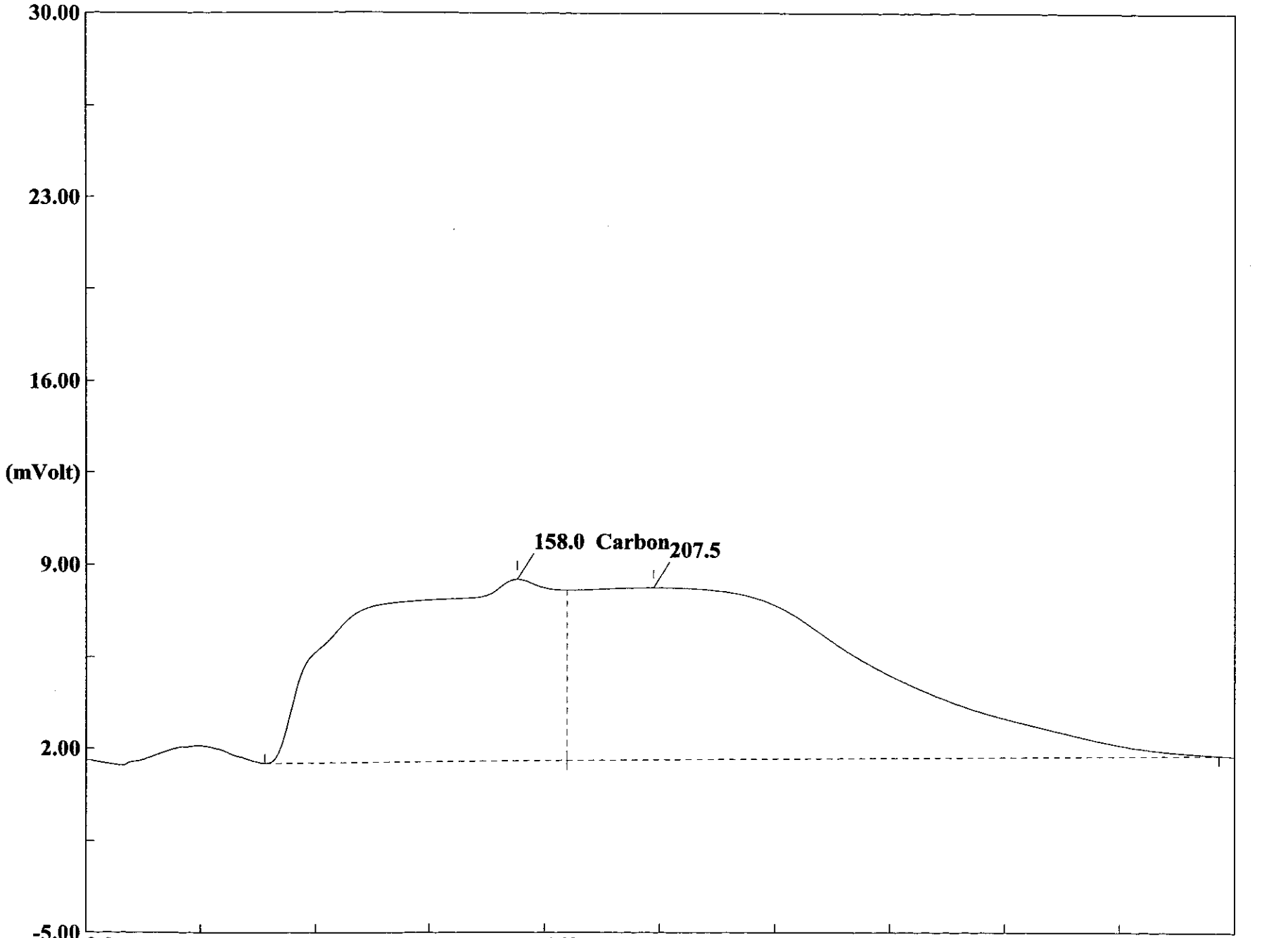
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4089

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410023.DAT

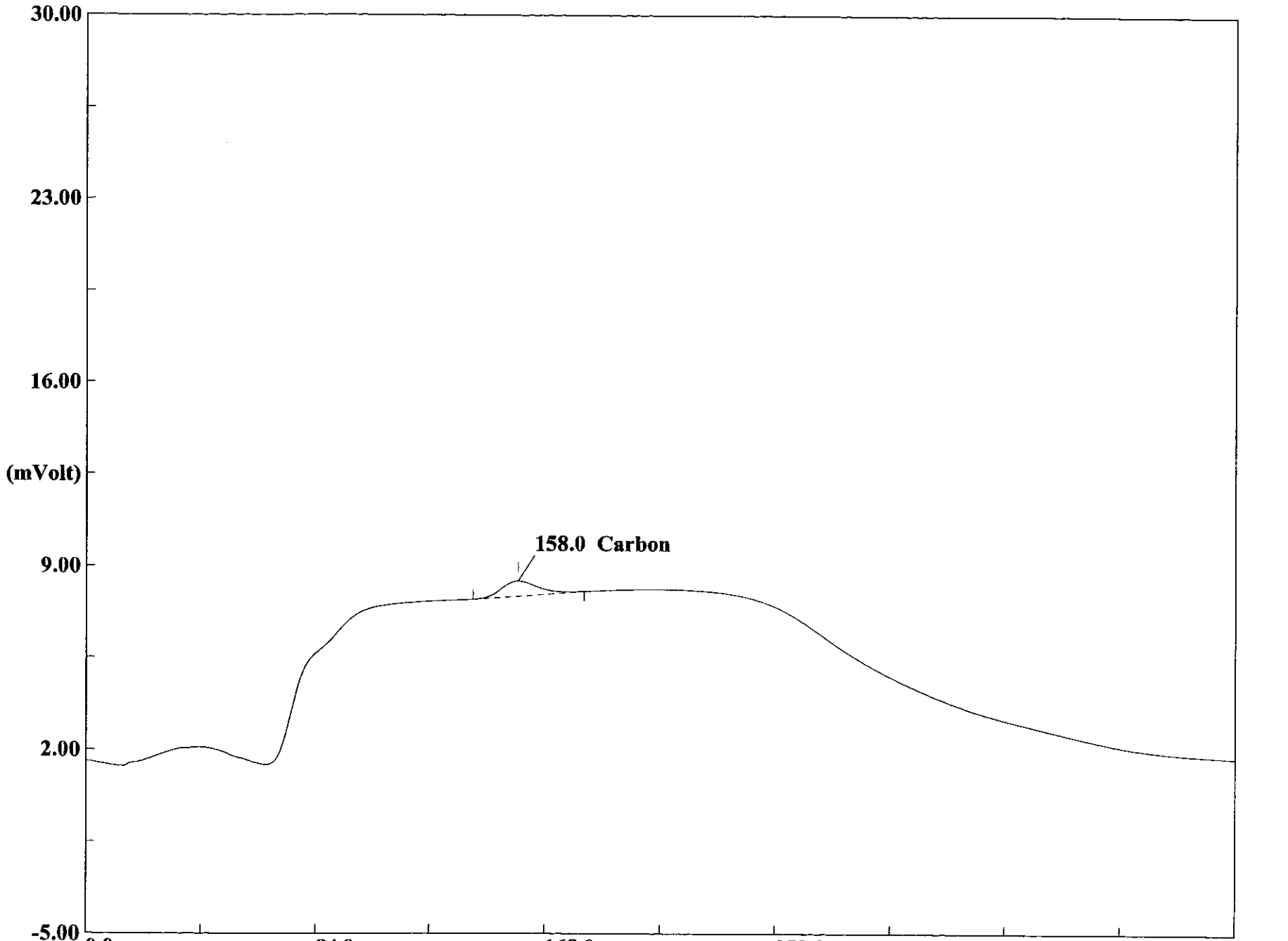
Sample name :l9d6p1al Analysed :11/04/2010 13:58

C0K030562

4090

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410023.DAT

Sample name :l9d6p1al Analysed :11/04/2010 13:58

Eager 300 Report

Page: 1 Sample: 19d6p1a1 (A110410023)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410023
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 13:58 Printed : 11/4/2010 15:27
Sample ID : 19d6p1a1 (# 30) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 21.4

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1772	158	89176	mi	1.000000	

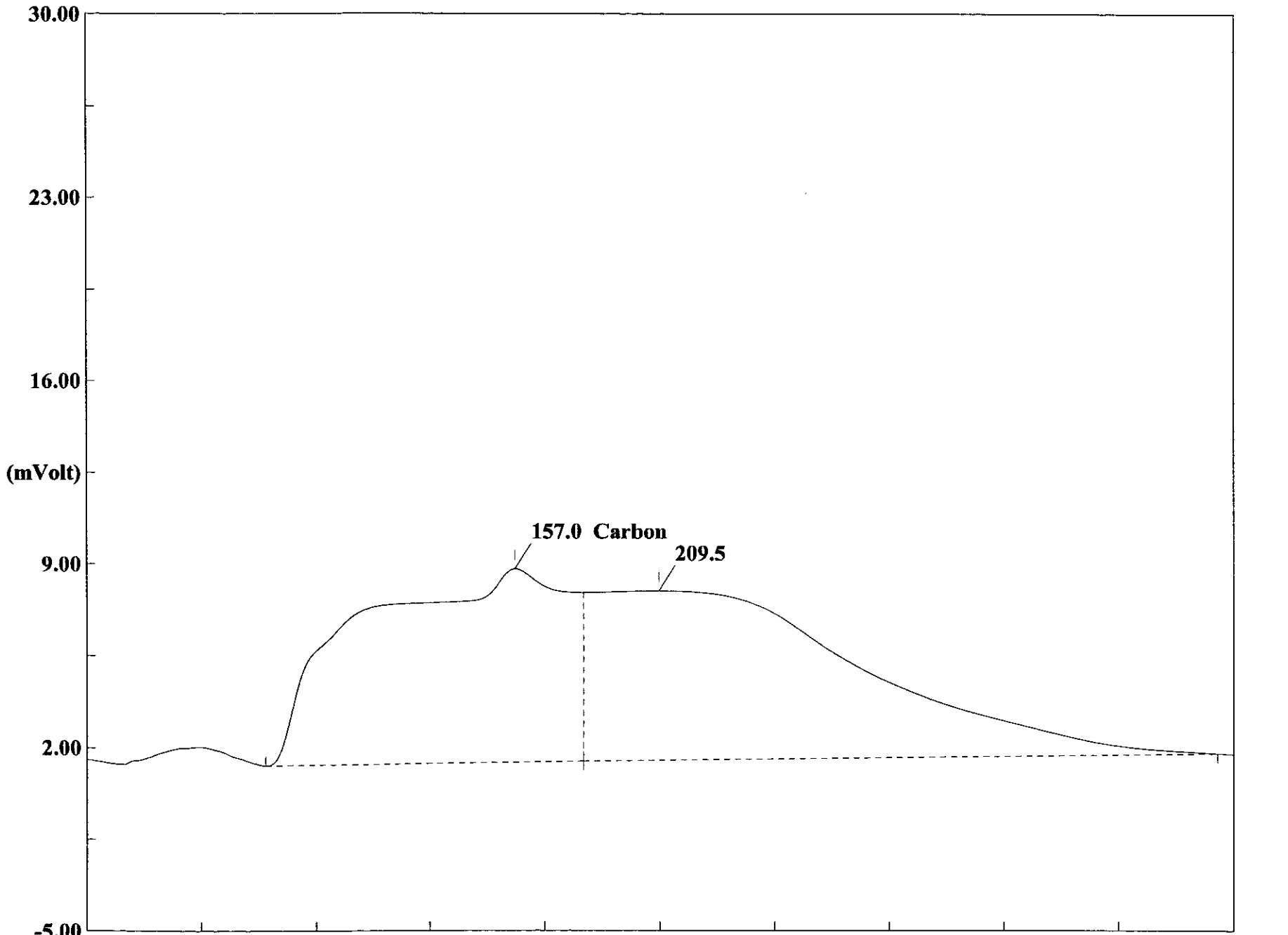
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4092

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410024.DAT

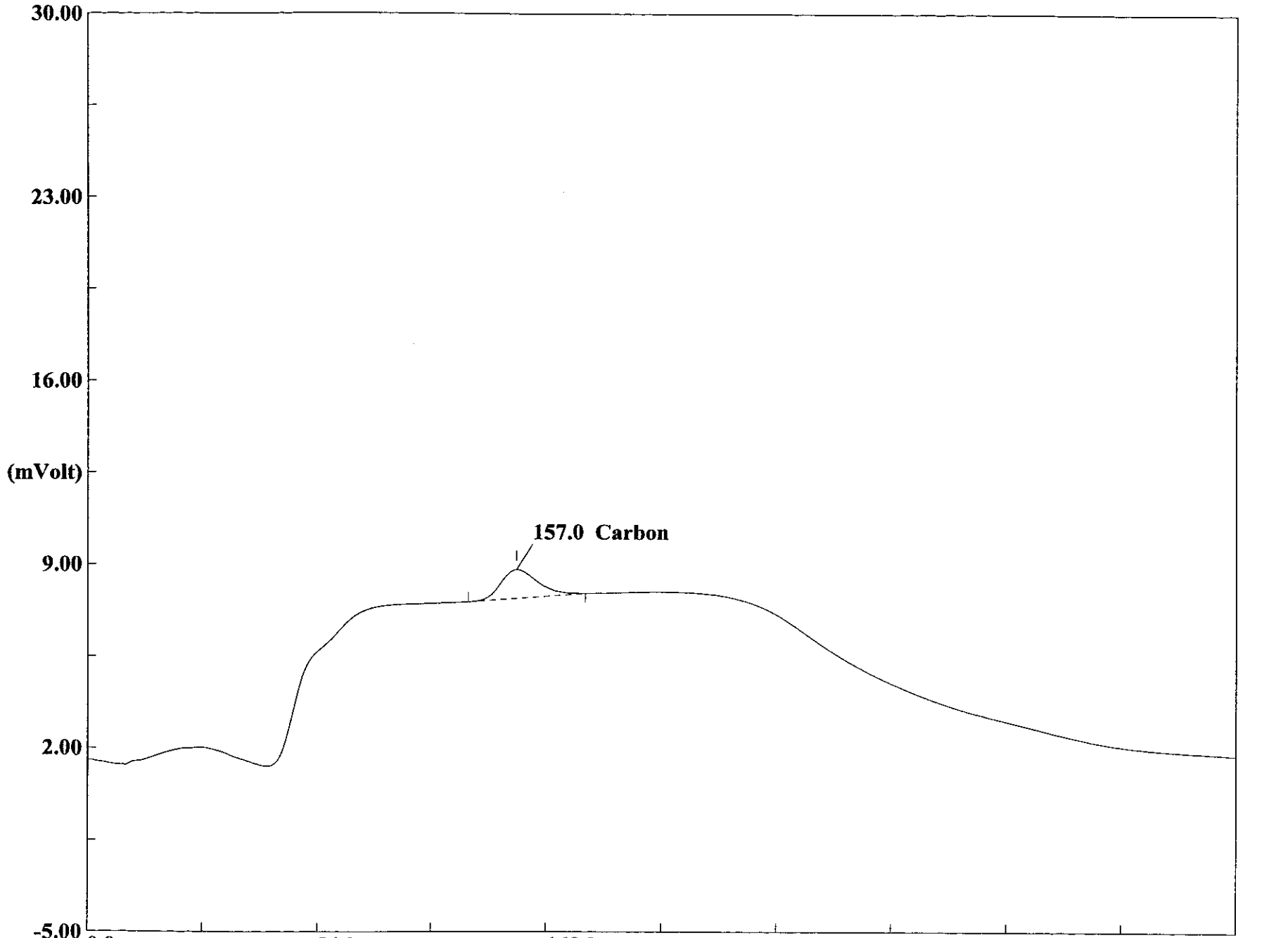
Sample name :l9d6p1al Analysed :11/04/2010 14:05

C0K030562

4093

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410024.DAT

Sample name :l9d6p1al Analysed :11/04/2010 14:05

Eager 300 Report

Page: 1 Sample: 19d6p1al (A110410024)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410024
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 14:05 Printed : 11/4/2010 15:27
Sample ID : 19d6p1al (# 31) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20.6

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.3687	157	169979	mi	1.000000	

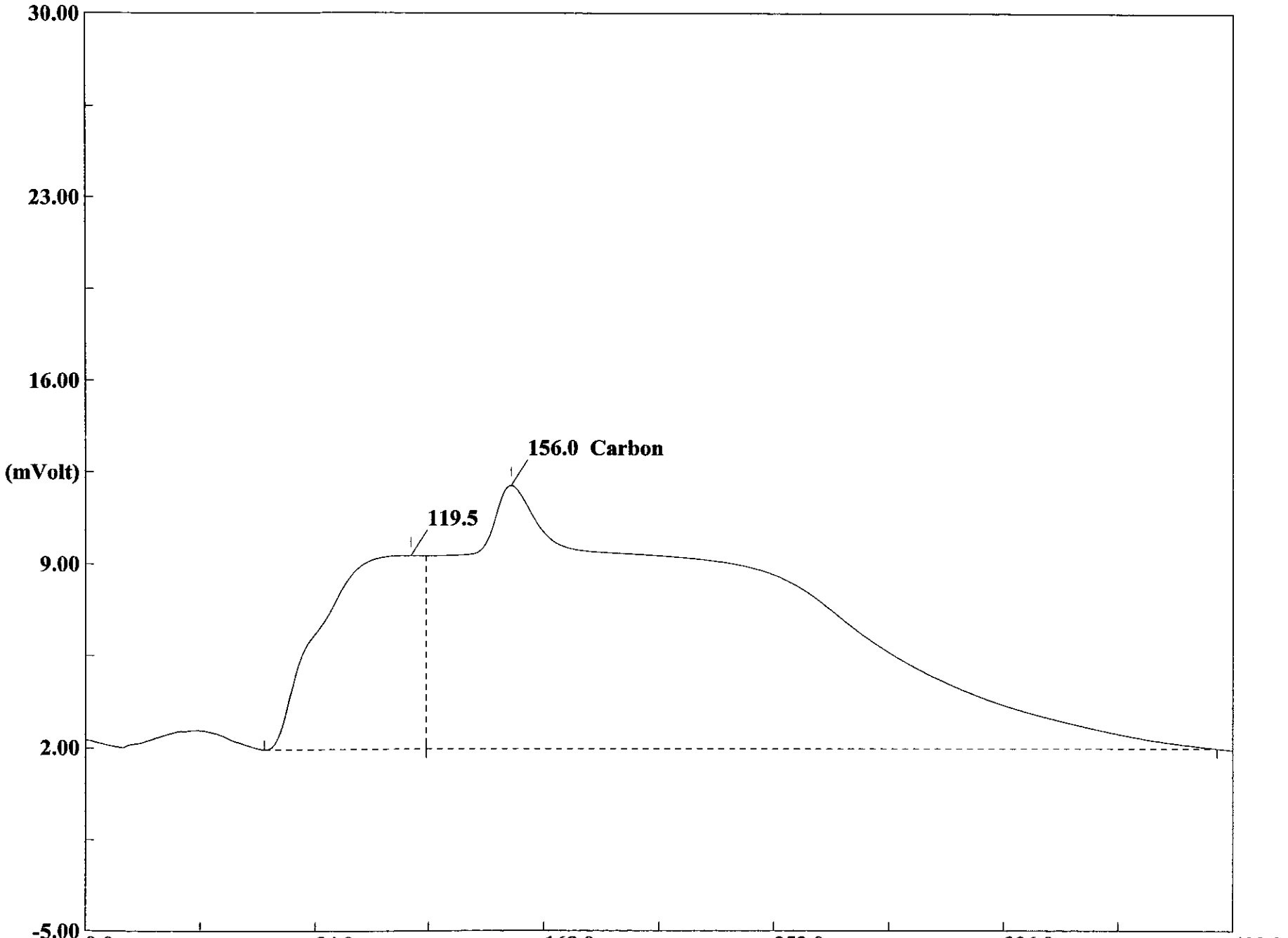
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4095

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410027.DAT

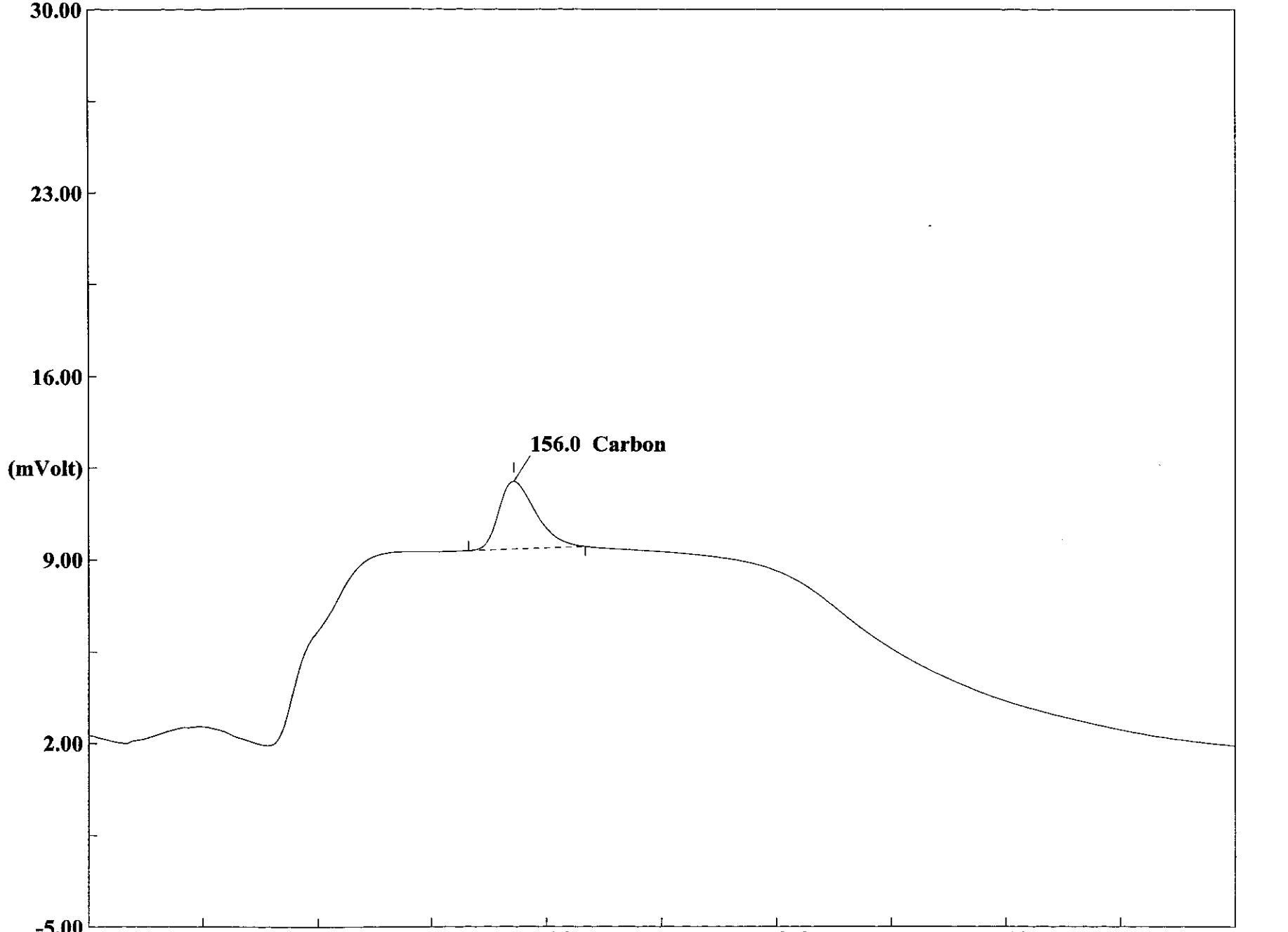
Sample name :l9frd1ac Analysed :11/04/2010 14:27

C0K030562

4096

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410027.DAT

Sample name :l9frd1ac Analysed :11/04/2010 14:27

Eager 300 Report

 Sample: 19frd1ac (A110410027)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410027
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 14:27 Printed : 11/4/2010 15:27
Sample ID : 19frd1ac (# 32) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 9.1

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.0353	156	402115	mi	1.000000	

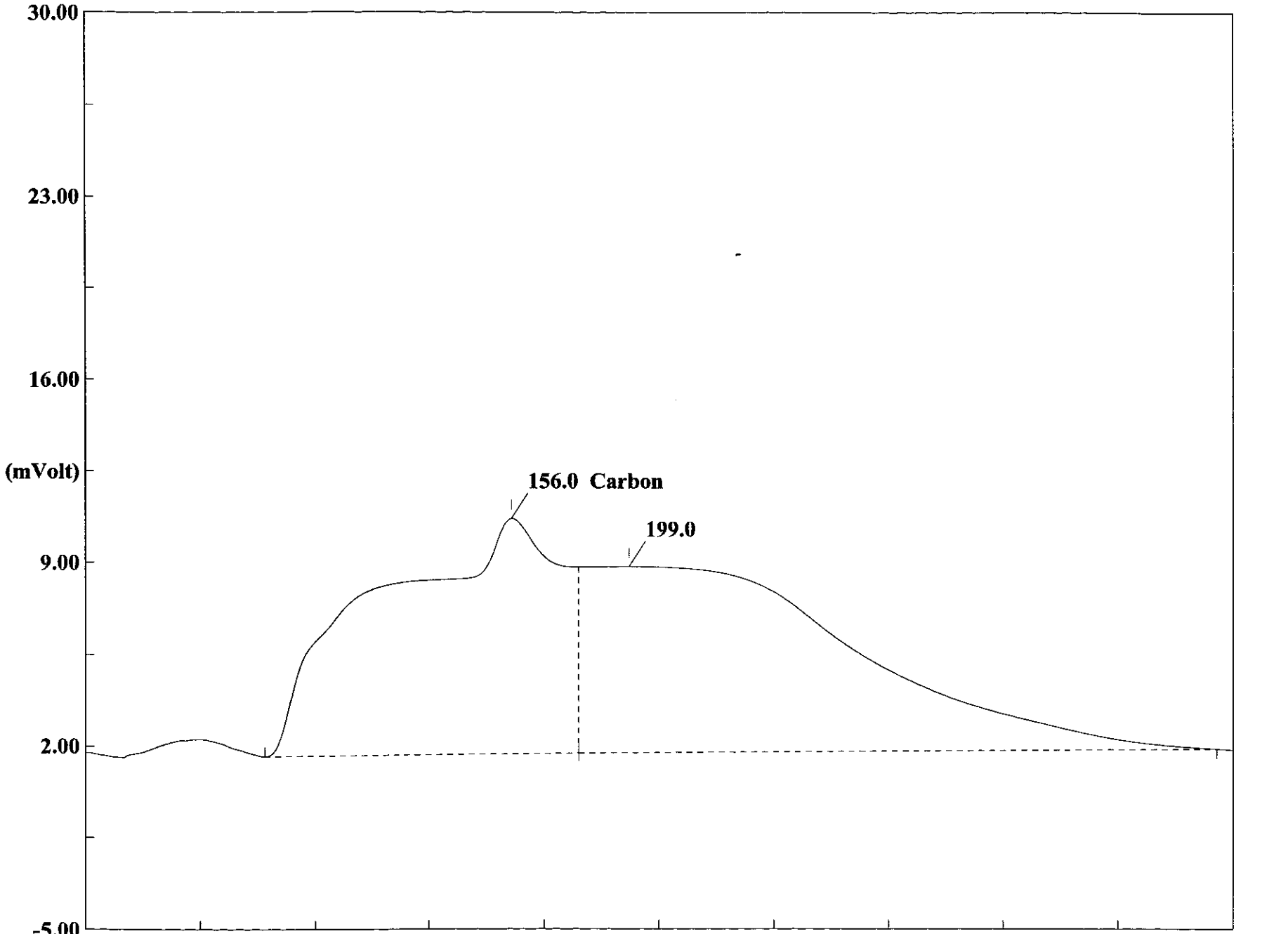
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4098

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410028.DAT

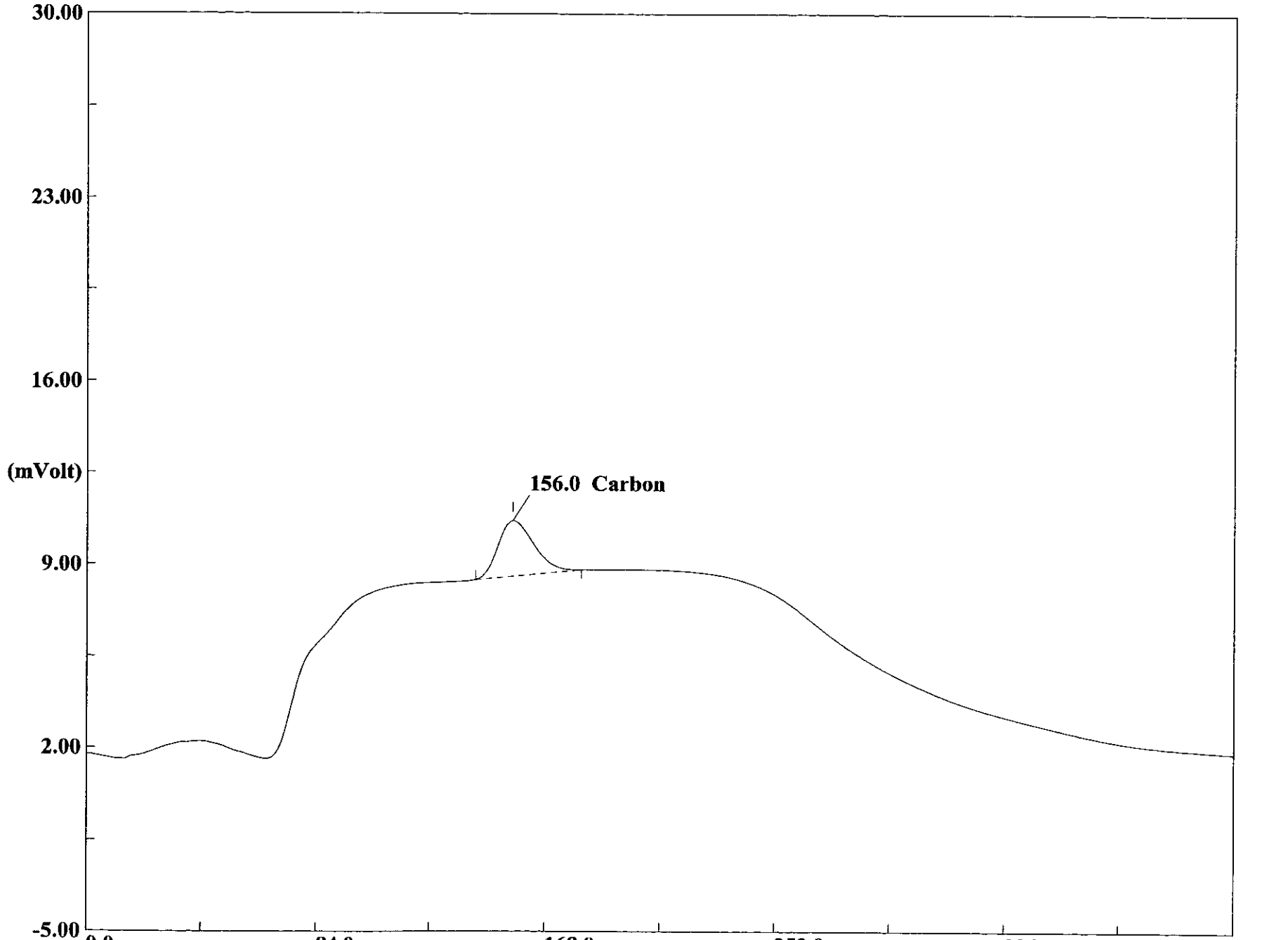
Sample name :l9frd1ac Analysed :11/04/2010 14:34

C0K030562

4099

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410028.DAT

Sample name :l9frd1ac Analysed :11/04/2010 14:34

Eager 300 Report

Page: 1 Sample: 19frd1ac (A110410028)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410028
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 14:34 Printed : 11/4/2010 15:27
Sample ID : 19frd1ac (# 33) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 9.7

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.5024	156	318228	mi	1.000000	

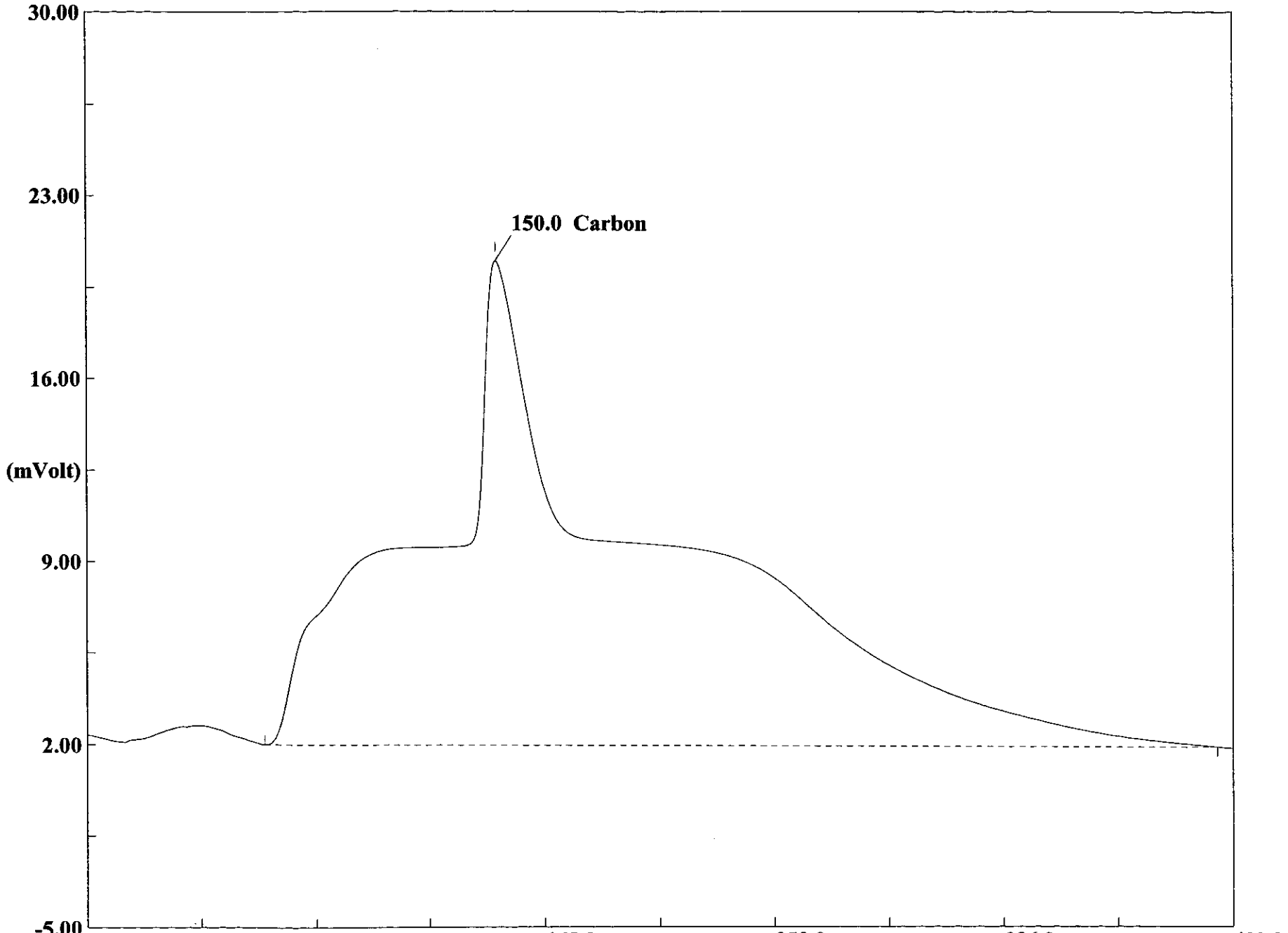
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4101

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410031.DAT

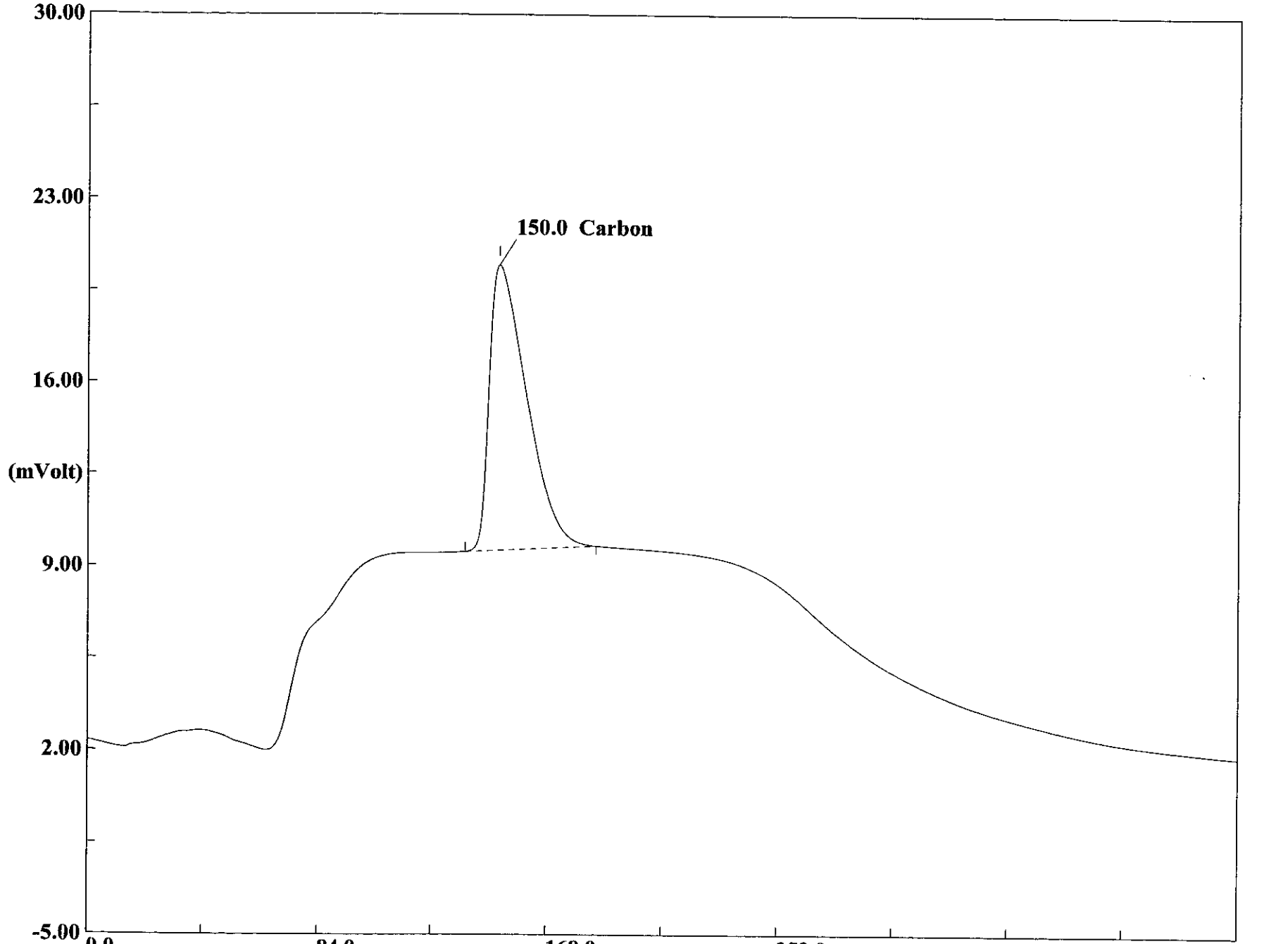
Sample name :l9frd1hd Analysed :11/04/2010 14:56

C0K030562

4102

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410031.DAT

Sample name :l9frd1hd Analysed :11/04/2010 14:56

Eager 300 Report

 Sample: 19frd1hd (A110410031)

Method Name	: Lloyd Kahn TOC		
Method File	: C:\data\January\110410.mth		
Chromatogram	: A110410031		
Operator ID	: James DeRubeis	Company Name	: TESTAMERICA PITT
Analysed	: 11/04/2010 14:56	Printed	: 11/4/2010 15:27
Sample ID	: 19frd1hd (# 34)	Instrument N.	: Instrument #1
Analysis Type	: UnkNown (Area)	Sample weight	: 11.3

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	7.0707	150	1706246	mi	1.000000	

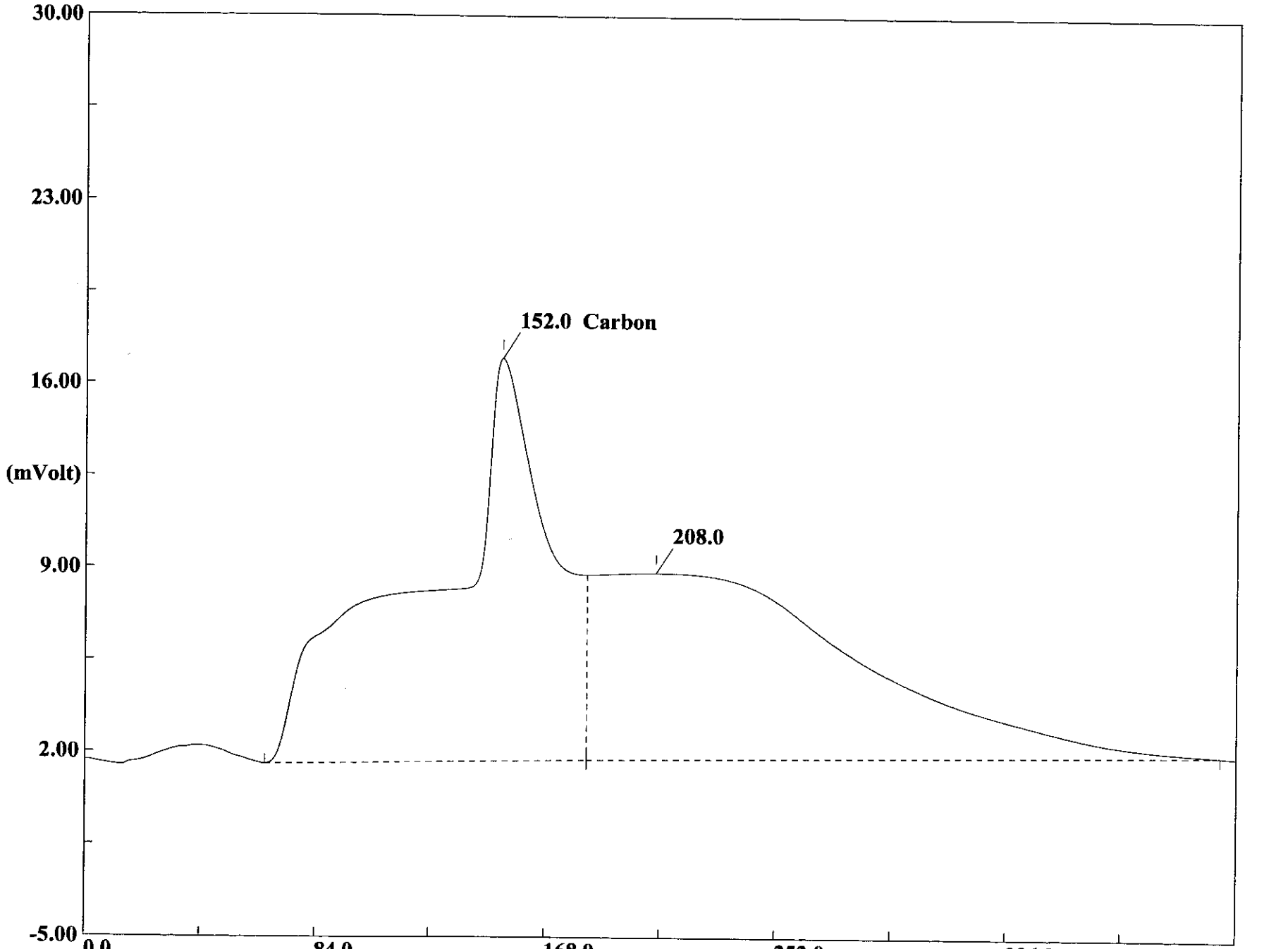
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4104

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410032.DAT

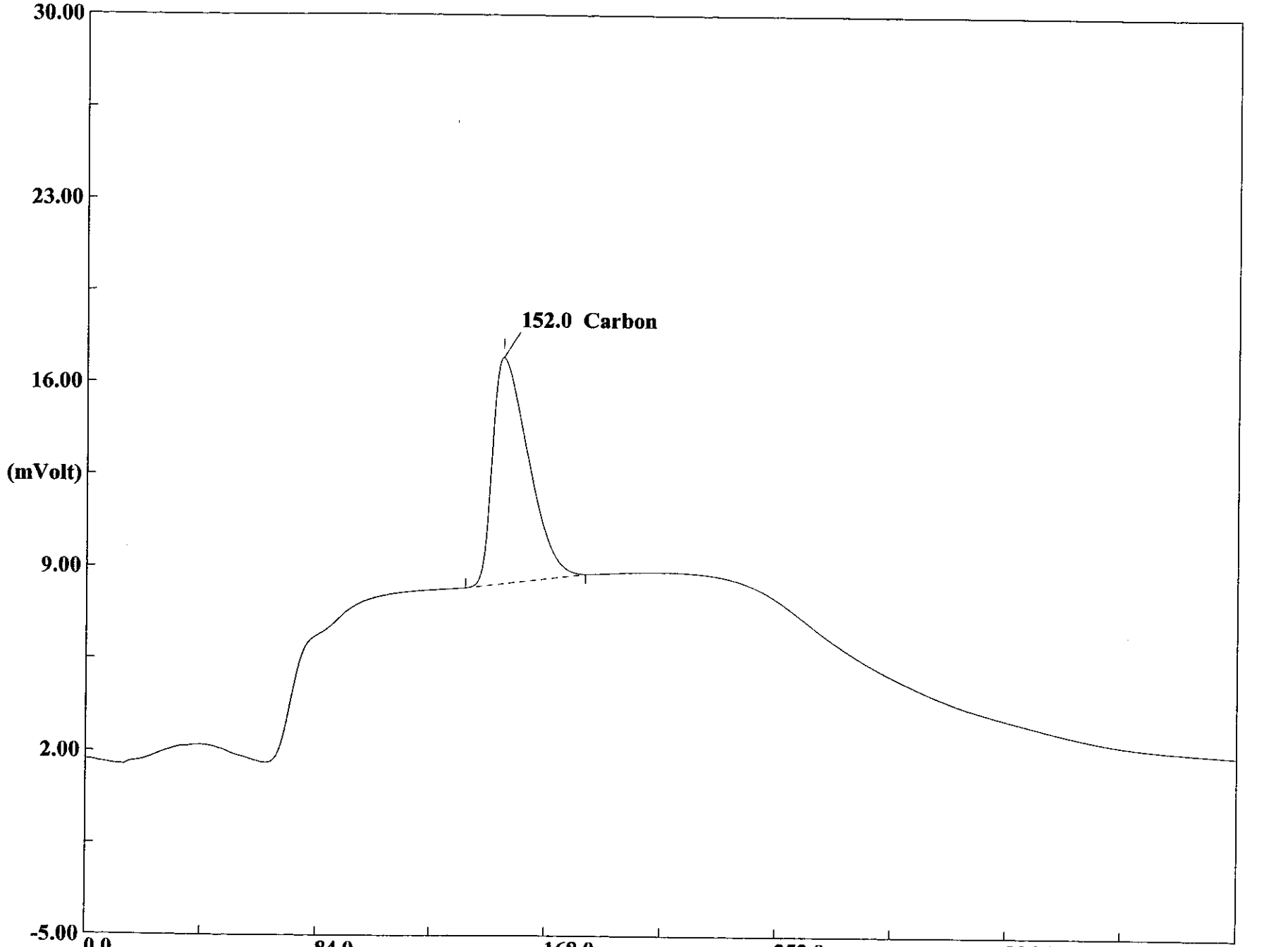
Sample name :l9frd1hd Analysed :11/04/2010 15:03

C0K030562

4105

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410032.DAT

Sample name :l9frd1hd Analysed :11/04/2010 15:03

Eager 300 Report

 Sample: 19frd1hd (A110410032)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410032
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 15:03
Printed : 11/4/2010 15:27
Sample ID : 19frd1hd (# 35)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 10.3

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	5.8802	152	1295472	mi	1.000000	

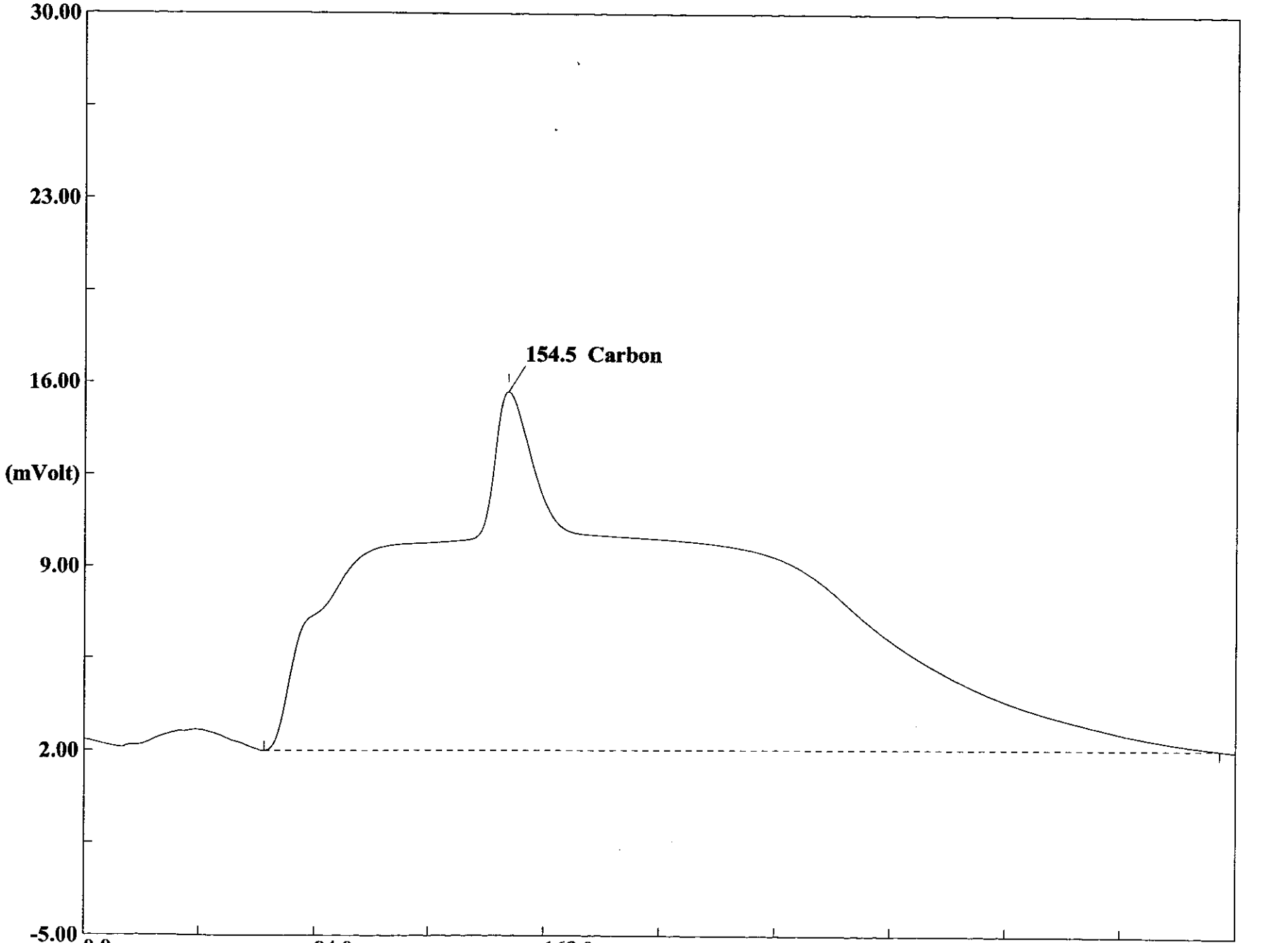
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4107

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410035.DAT

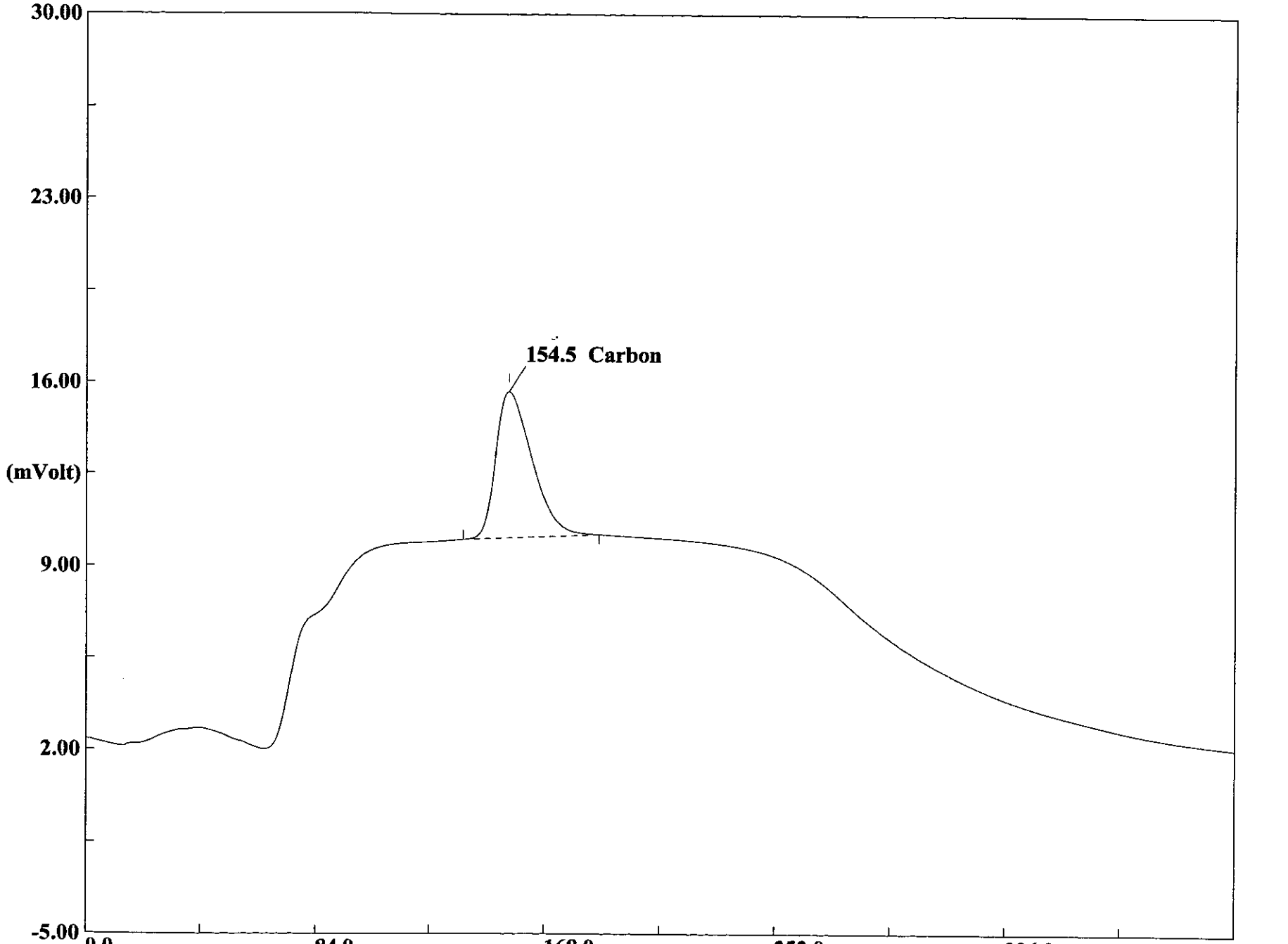
Sample name :l9frd1hc Analysed :11/04/2010 15:25

C0K030562

4108

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410035.DAT

Sample name :l9frd1hc Analysed :11/04/2010 15:25

Eager 300 Report

Page: 1 Sample: 19frd1hc (A110410035)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410035
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 15:25 Printed : 11/4/2010 15:43
Sample ID : 19frd1hc (# 36) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.5

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	3.7901	155	854154	mi	1.000000	

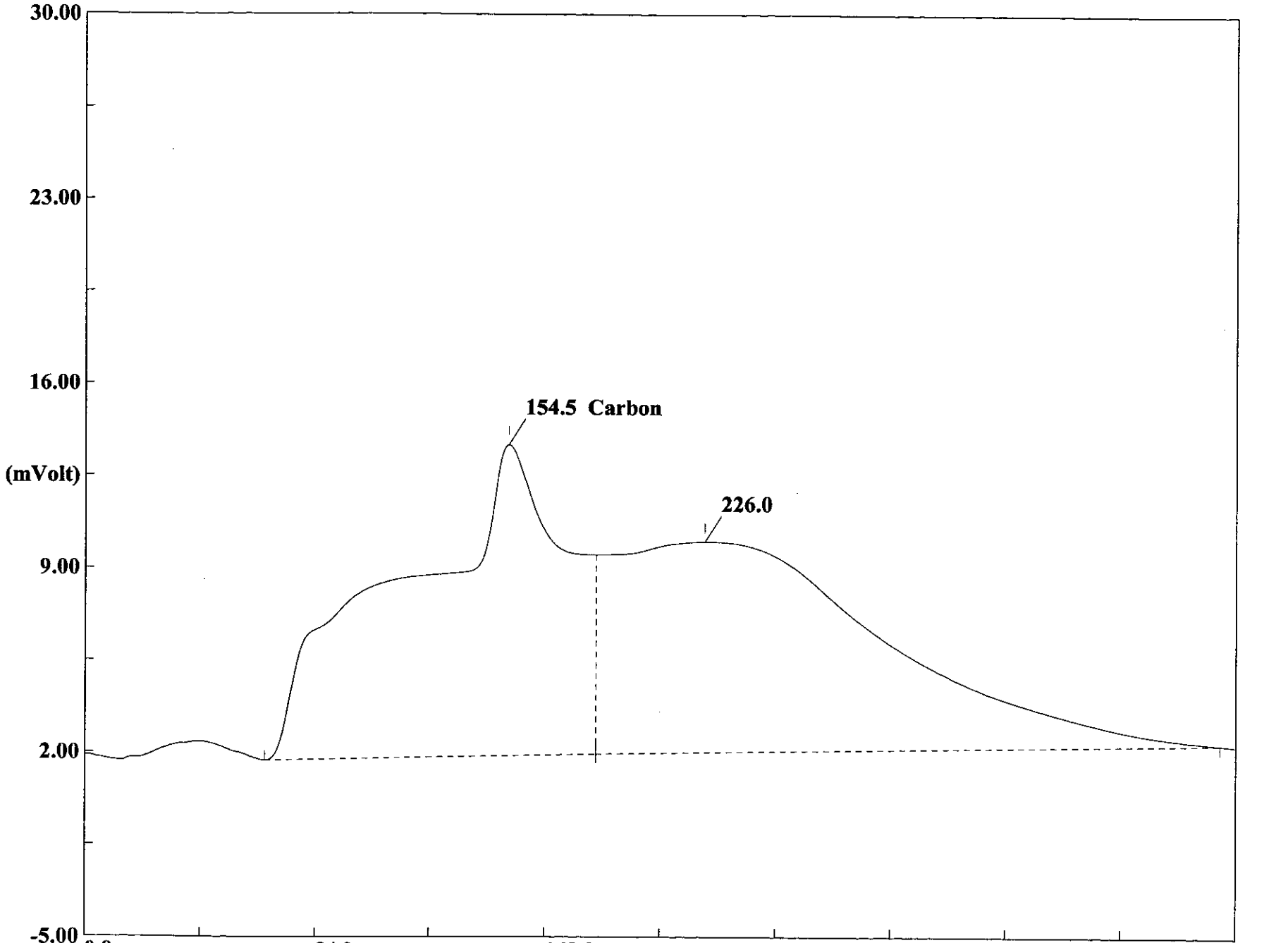
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4110

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410036.DAT

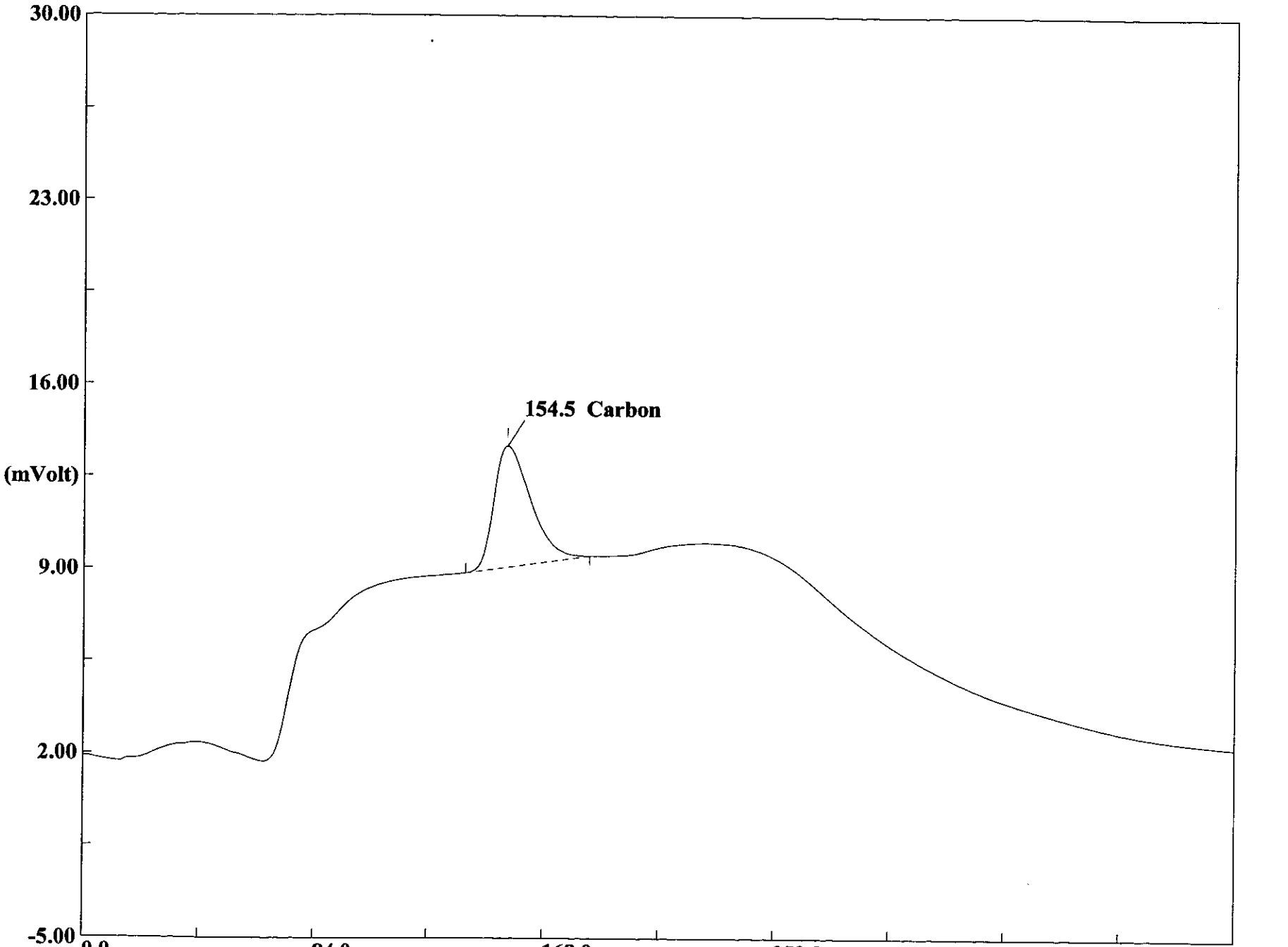
Sample name :l9frd1hc Analysed :11/04/2010 15:32

C0K030562

4111

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410036.DAT

Sample name :l9frd1hc Analysed :11/04/2010 15:32

Eager 300 Report

 Sample: 19frd1hc (A110410036)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410036
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 15:32
Printed : 11/4/2010 15:43
Sample ID : 19frd1hc (# 37)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 11.6

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.8598	155	713439	mi	1.000000	

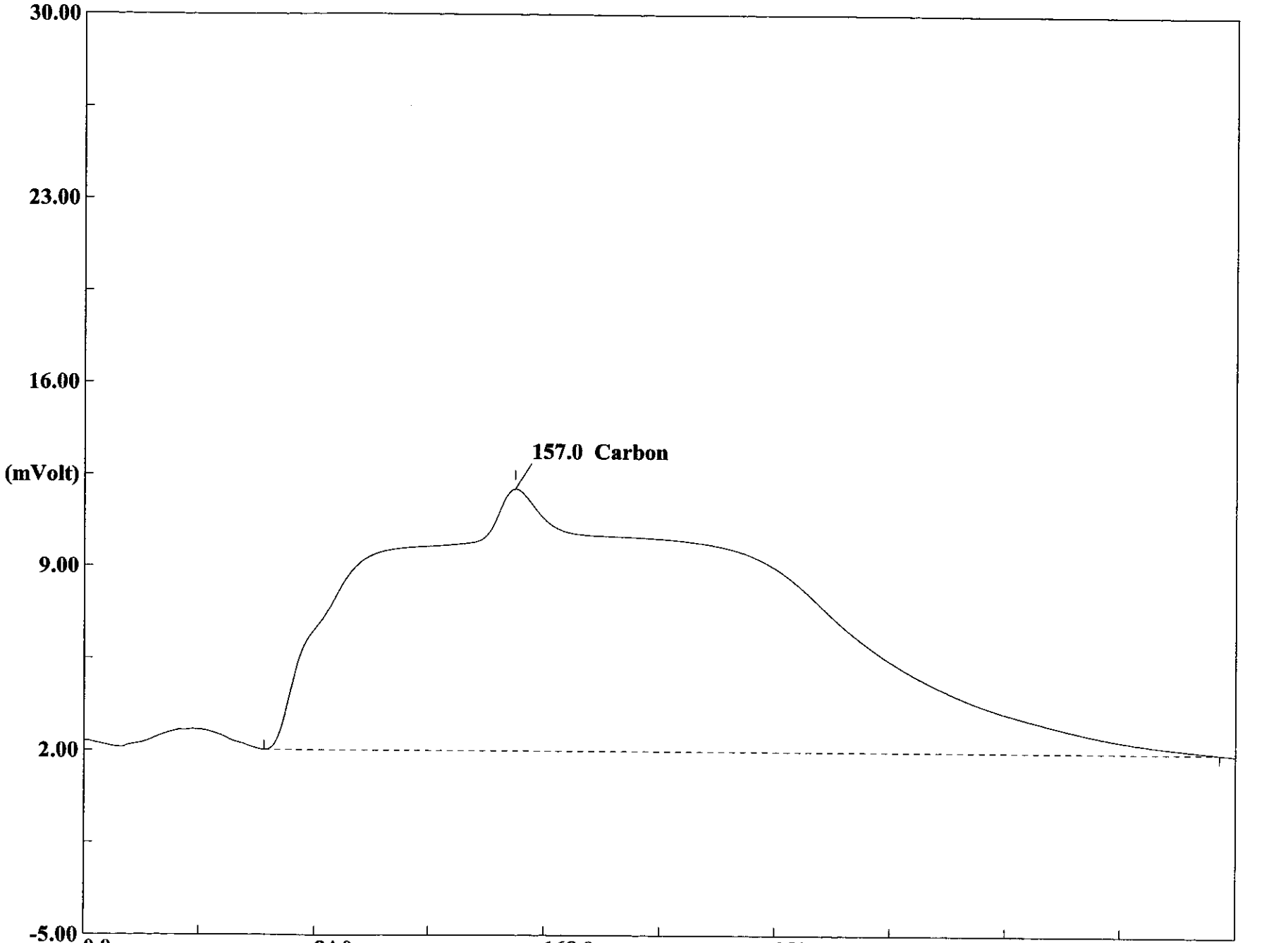
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4113

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410039.DAT

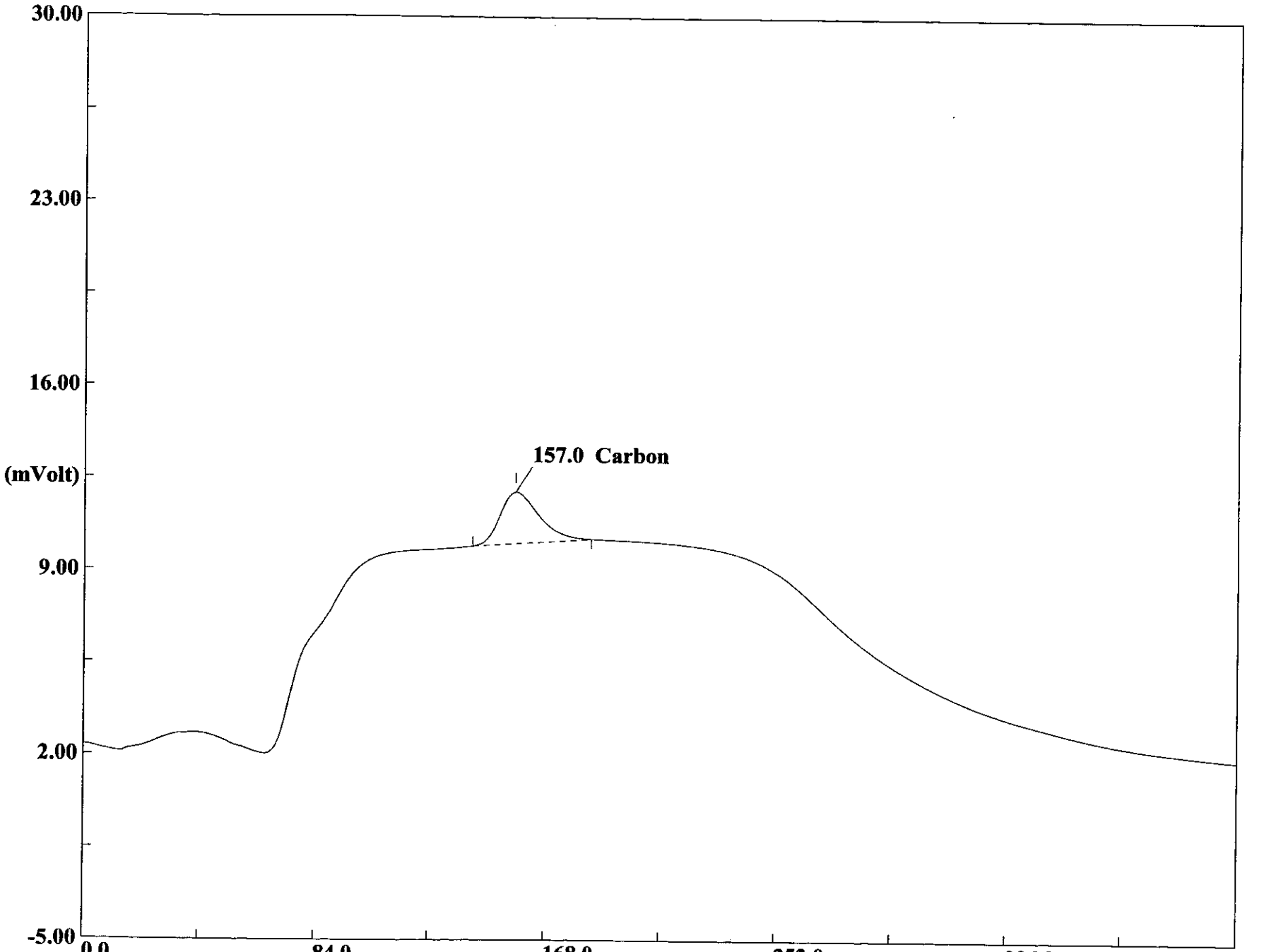
Sample name :l9frd1j3 Analysed :11/04/2010 15:54

C0K030562

4114

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410039.DAT

Sample name :l9frd1j3 Analysed :11/04/2010 15:54

Eager 300 Report

 Sample: 19frd1j3 (A110410039)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410039
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 15:54
Printed : 11/4/2010 16:10
Sample ID : 19frd1j3 (# 38)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 9.9

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.4715	157	318113	mi	1.000000	

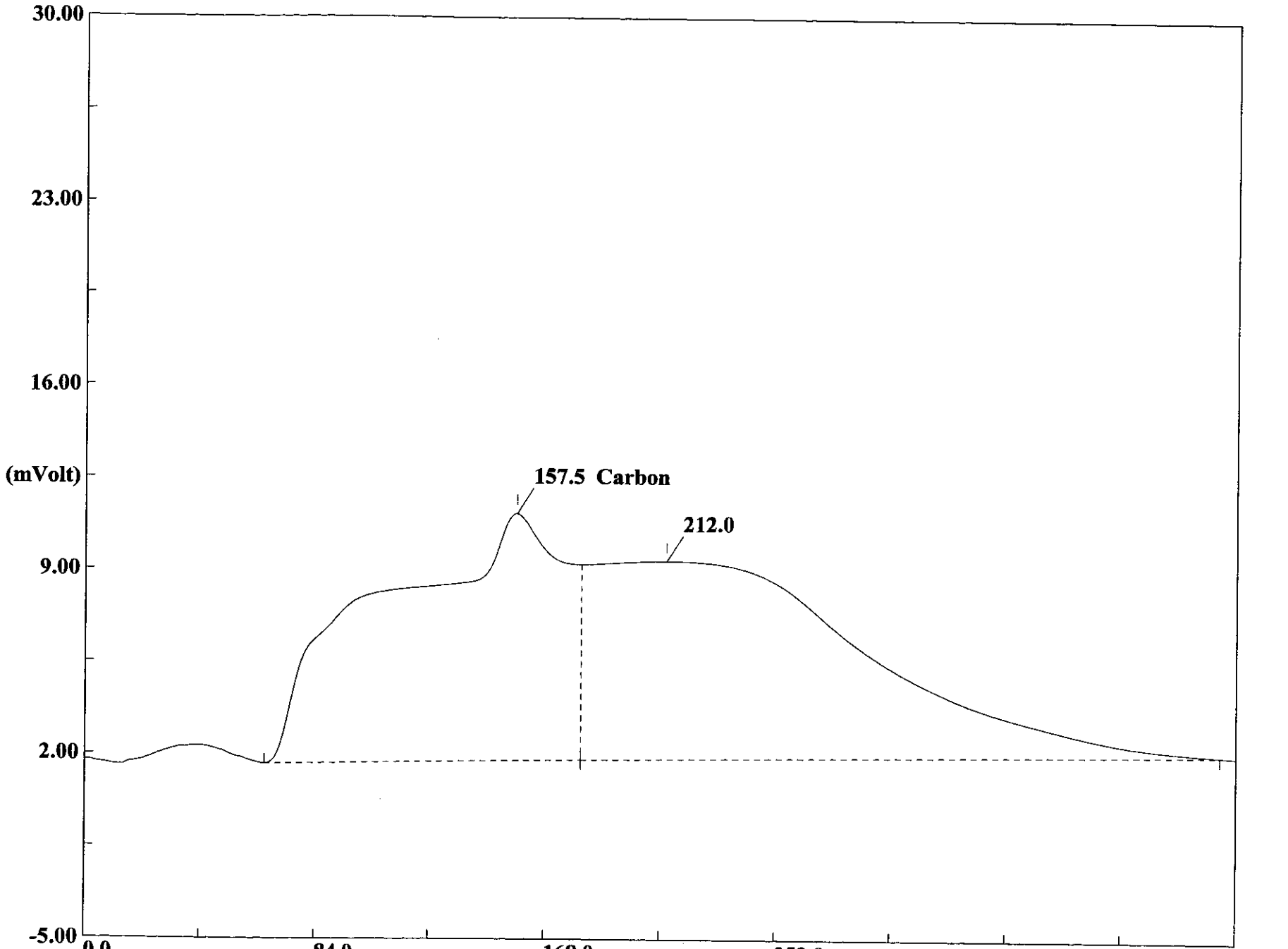
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4116

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410040.DAT

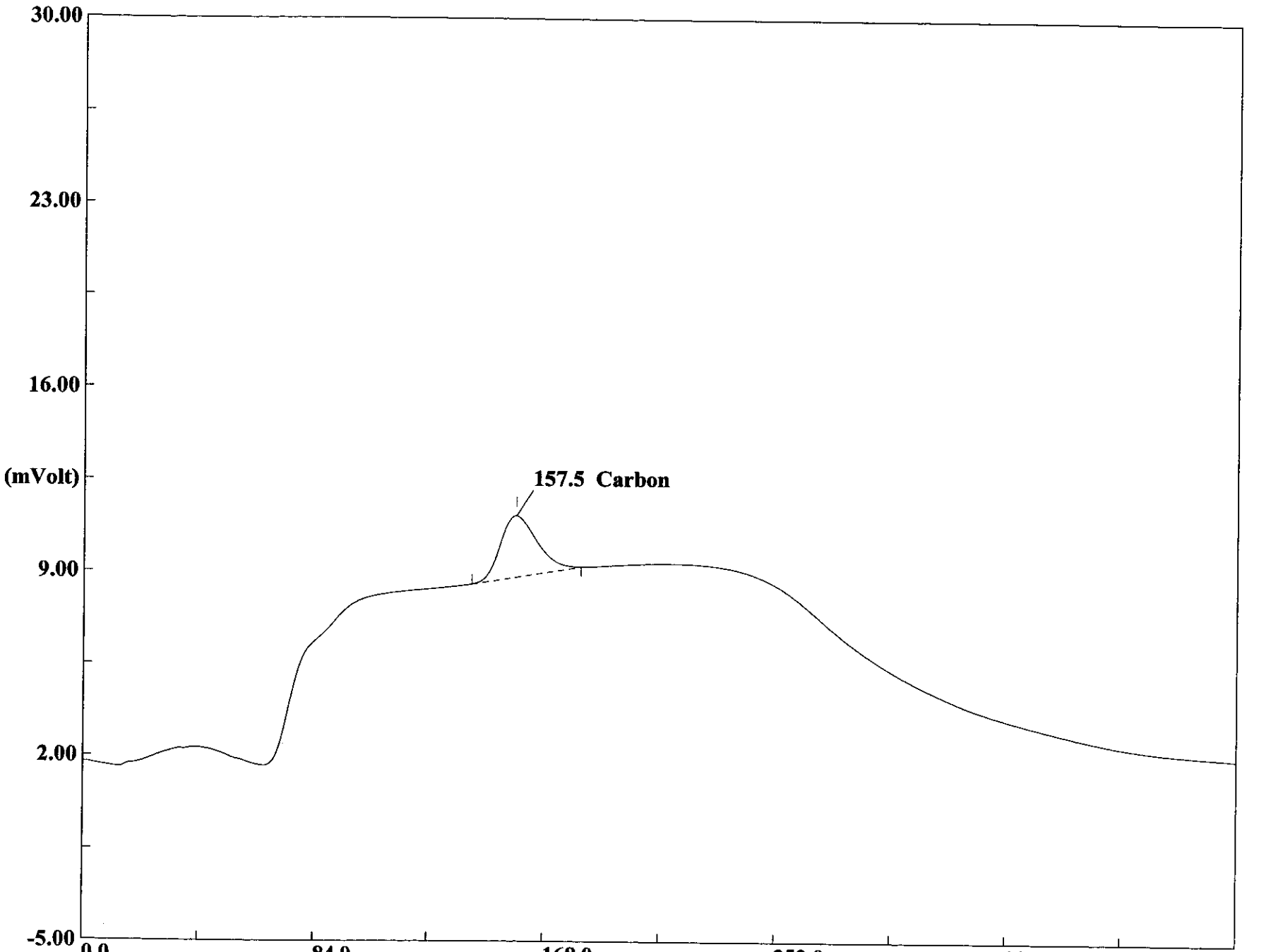
Sample name :l9frd1j3 Analysed :11/04/2010 16:01

C0K030562

4117

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410040.DAT

Sample name :l9frd1j3 Analysed :11/04/2010 16:01

Eager 300 Report

 Sample: 19frd1j3 (A110410040)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410040
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 16:01
Printed : 11/4/2010 16:10
Sample ID : 19frd1j3 (# 39)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 10.7

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.5405	158	358831	mi	1.000000	

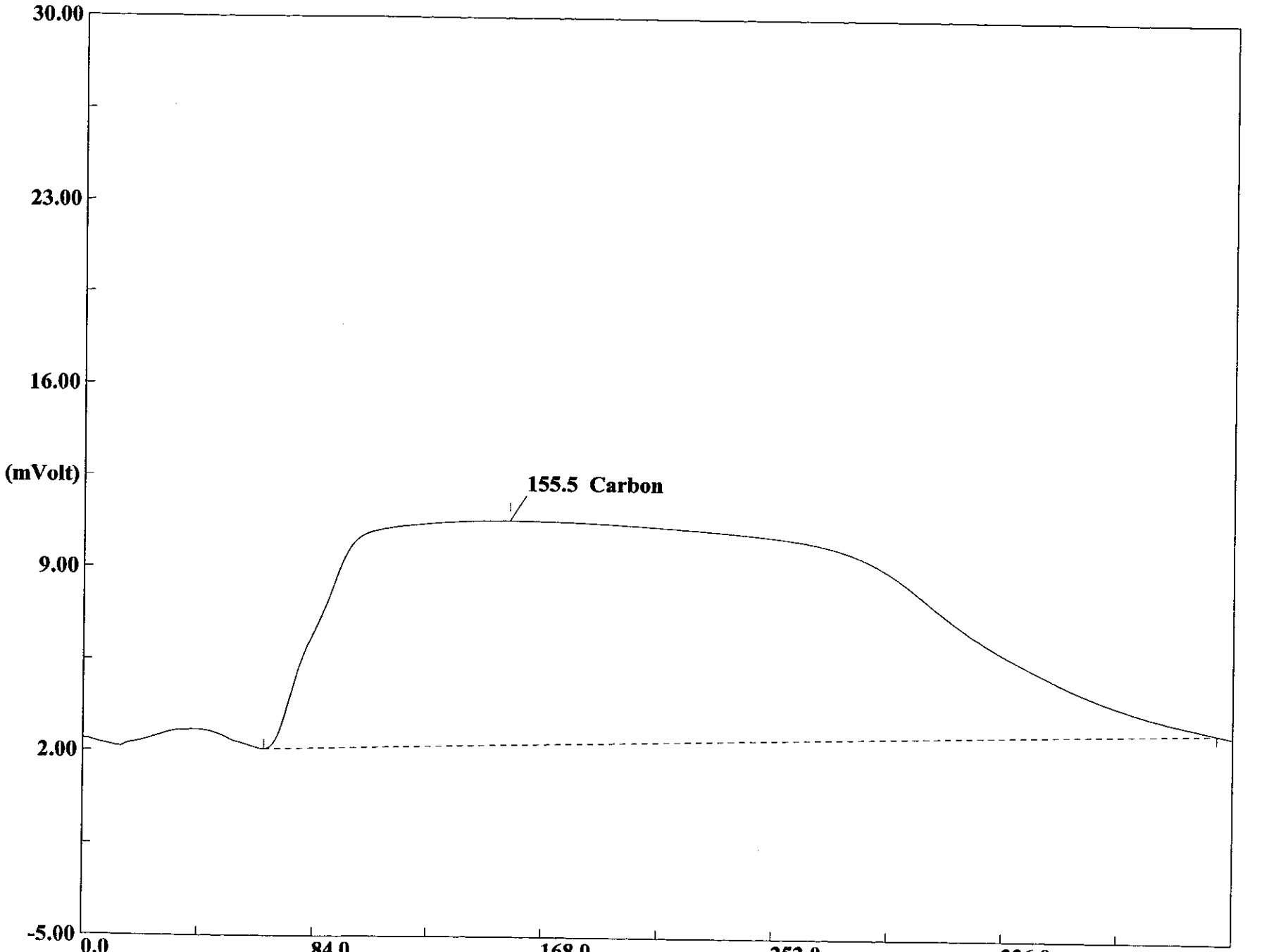
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4119

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410043.DAT

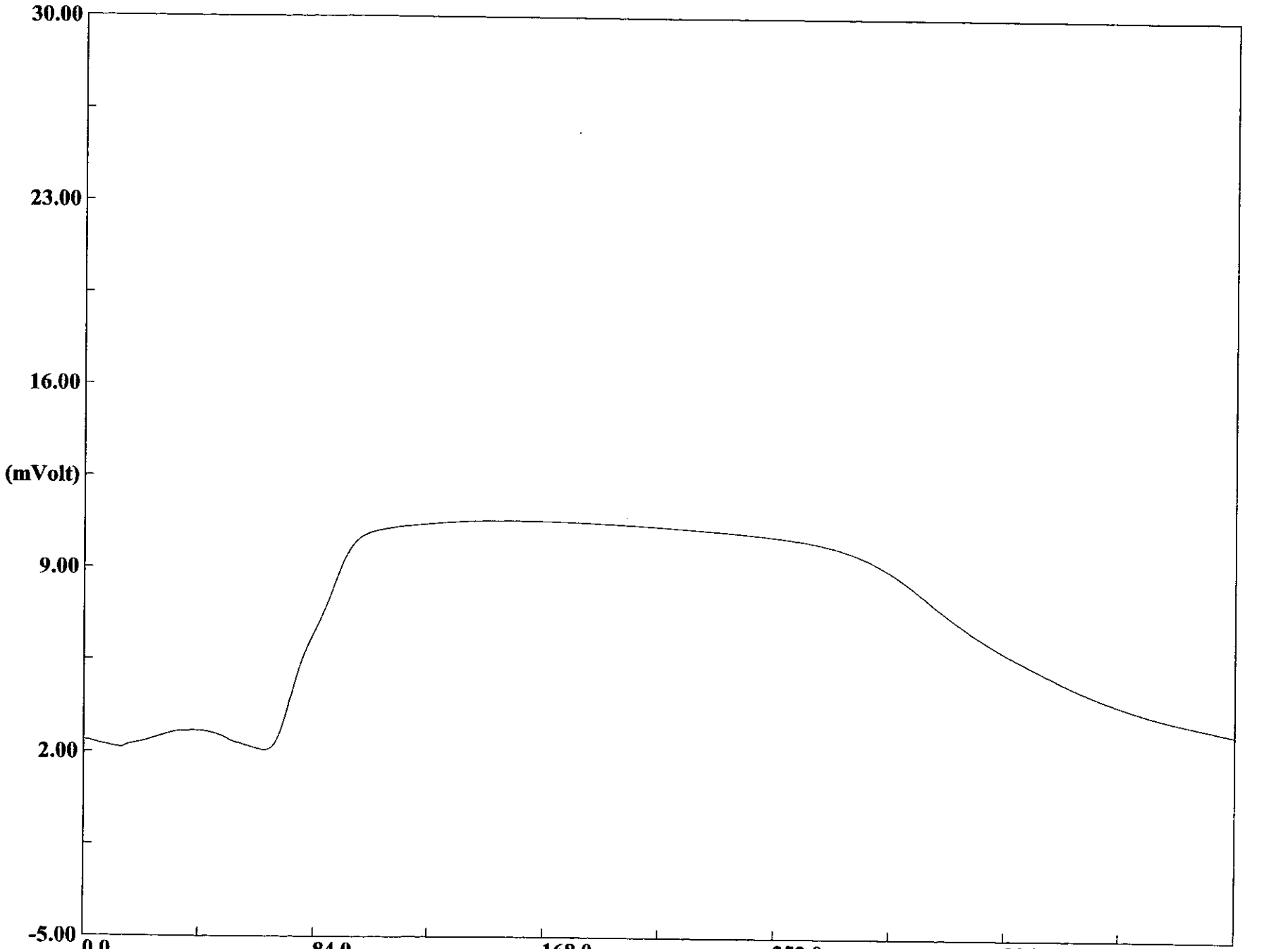
Sample name :ccb Analysed :11/04/2010 16:23

C0K030562

4120

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410043.DAT

Sample name :ccb Analysed :11/04/2010 16:23

Eager 300 Report

 Sample: ccb (A110410043)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410043
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 16:23
Printed : 11/4/2010 16:56
Sample ID : ccb (# 40)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

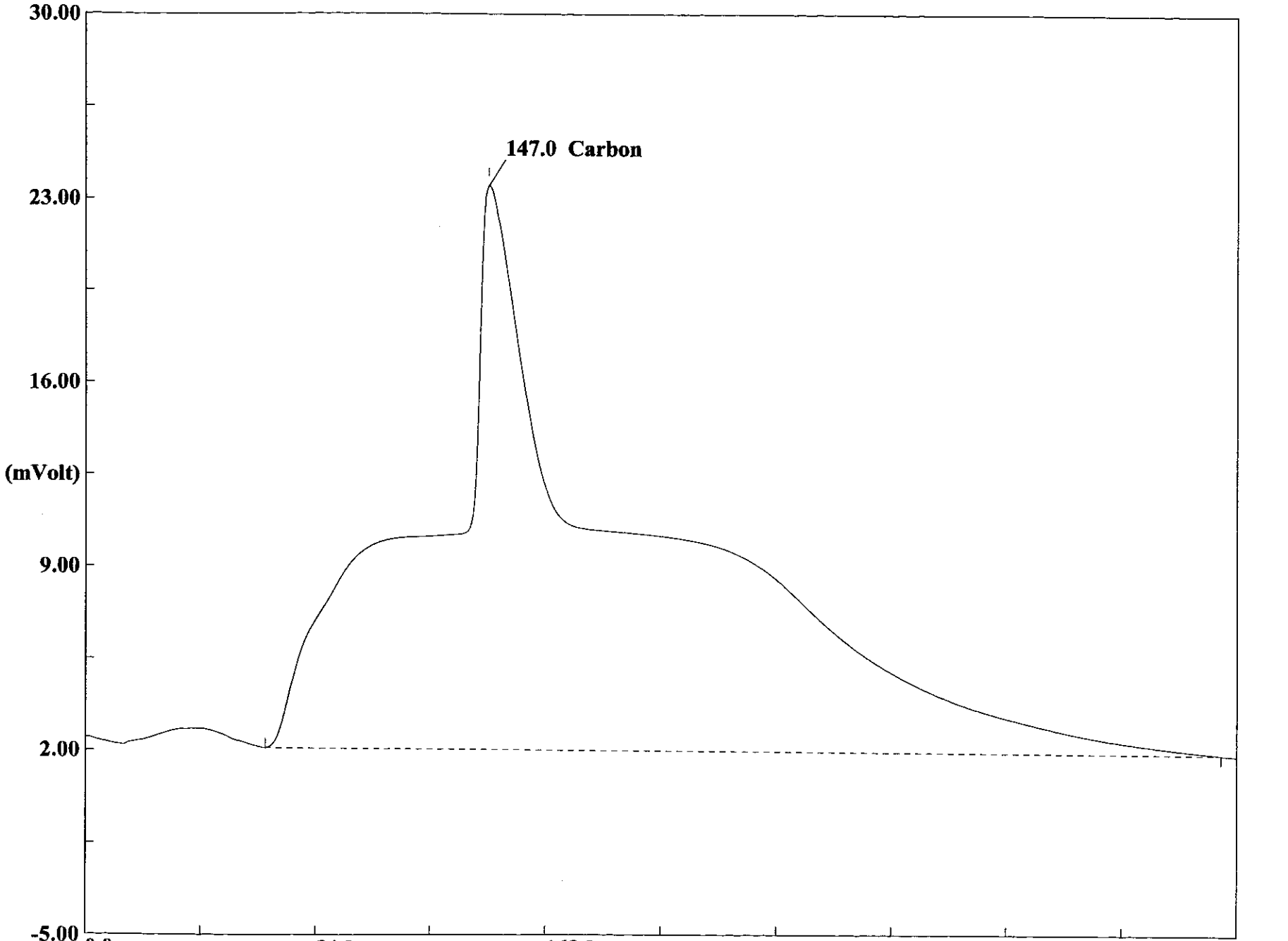
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4122

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410044.DAT

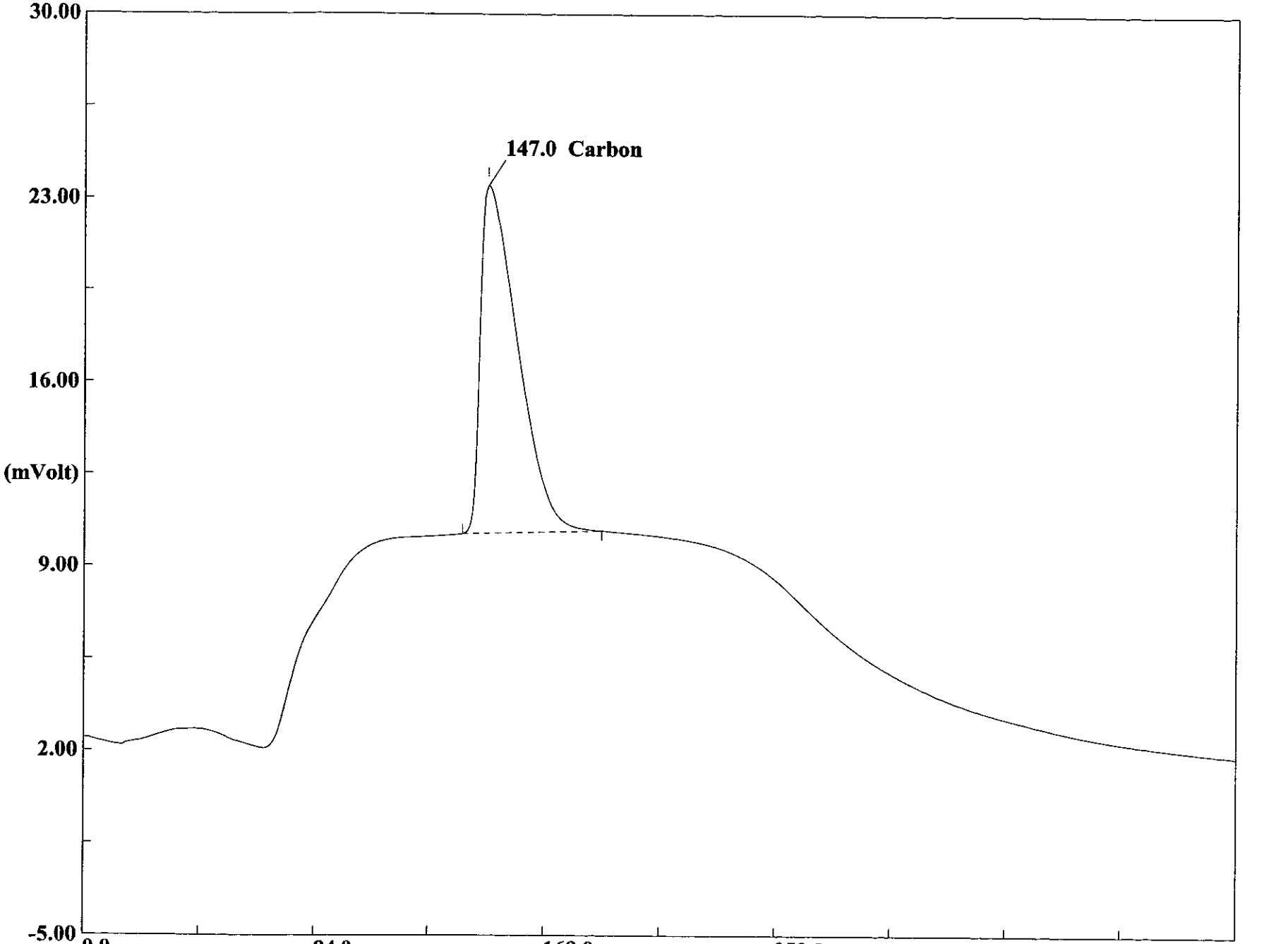
Sample name :ccv Analysed :11/04/2010 16:30

C0K030562

4123

(4001-4267)

Manual Integration by Jim DeRubeis on 11/04/10 due to poor baseline draw



Filename C:\data\January\A110410044.DAT

Sample name :ccv Analysed :11/04/2010 16:30

Eager 300 Report

 Sample: ccv (A110410044)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410044
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 16:30
Printed : 11/4/2010 16:56
Sample ID : ccv (# 41)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9683	147	2065925	mi	1.000000	

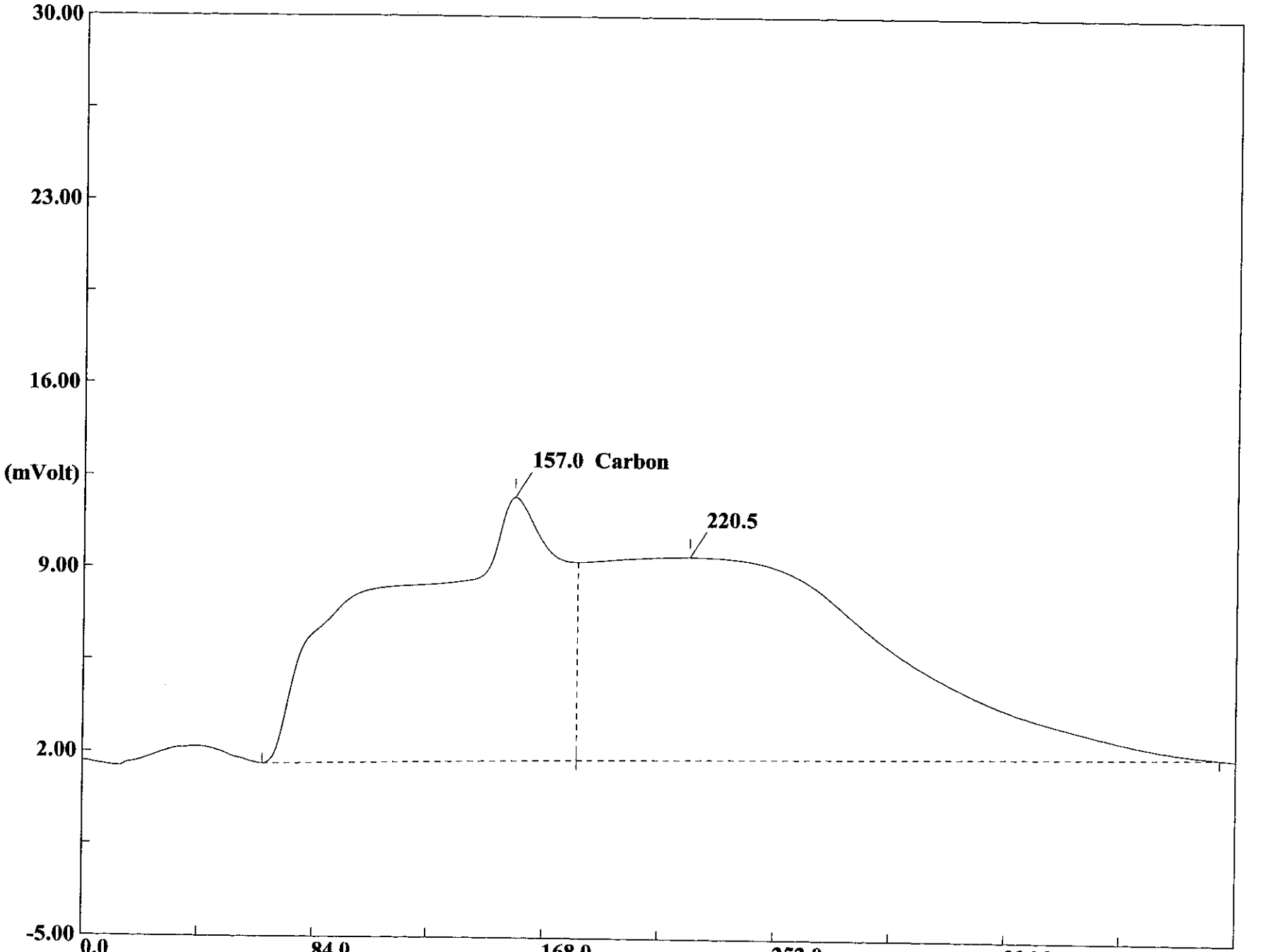
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4125

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410045.DAT

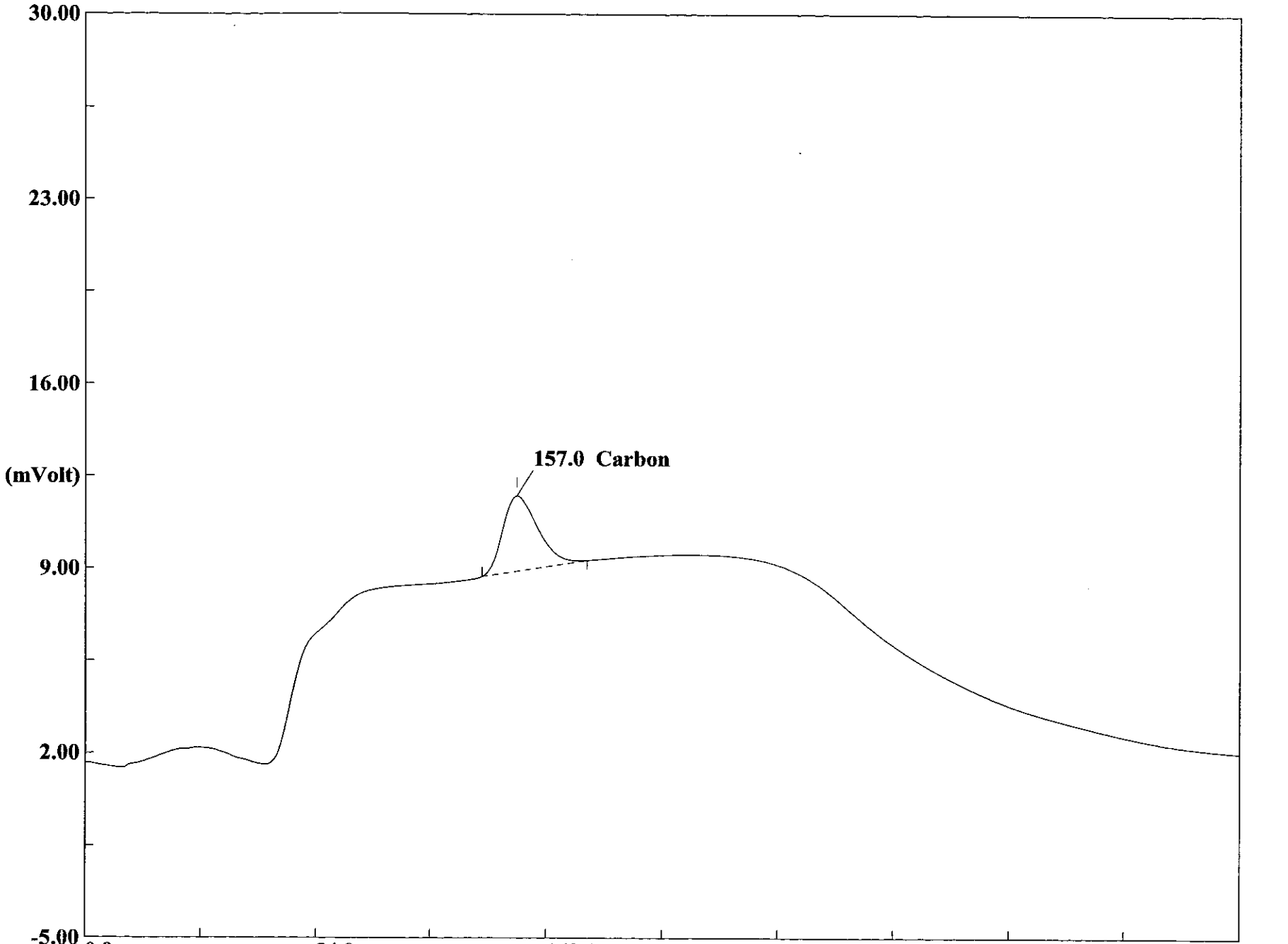
Sample name :l9fr91an Analysed :11/04/2010 16:37

C0K030562

4126

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410045.DAT

Sample name :l9fr91an Analysed :11/04/2010 16:37

Eager 300 Report

 Sample: 19fr91an (A110410045)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410045
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 16:37
Printed : 11/5/2010 10:00
Sample ID : 19fr91an (# 42)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 9.9

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.9491	157	418576	mi	1.000000	

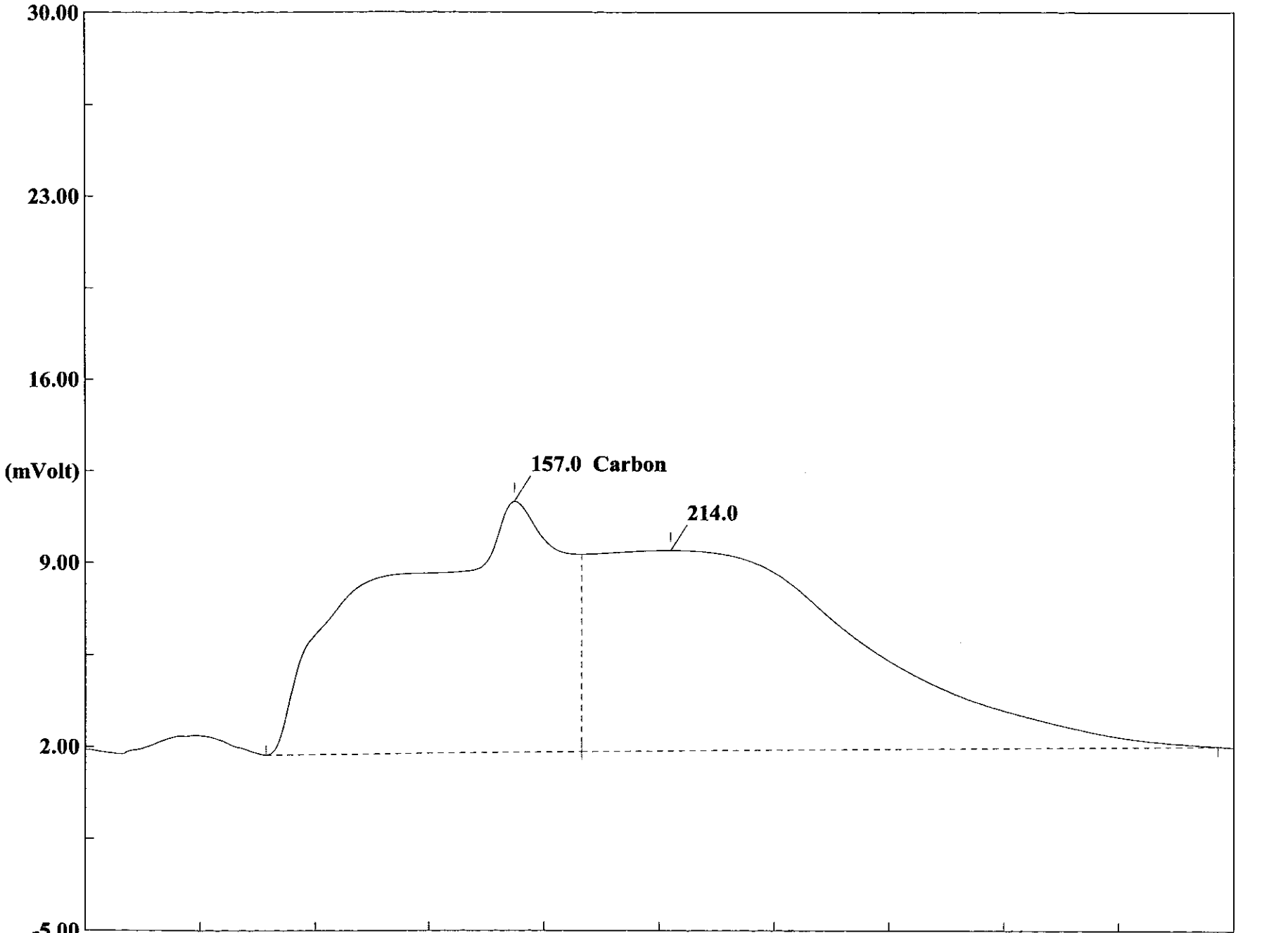
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4128

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410046.DAT

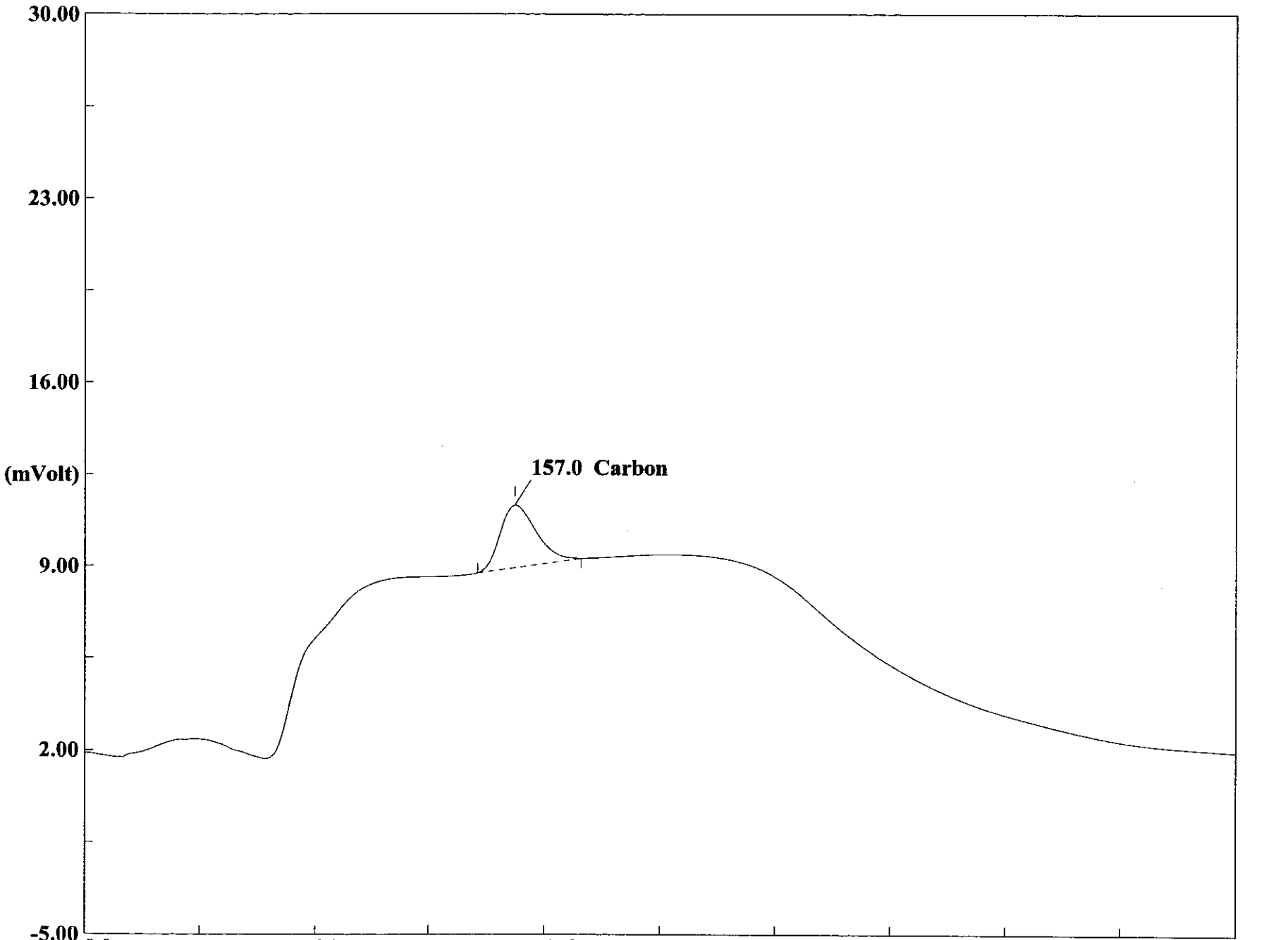
Sample name :l9fr91an Analysed :11/04/2010 16:44

C0K030562

4129

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410046.DAT

Sample name :l9fr91an Analysed :11/04/2010 16:44

Eager 300 Report

Page: 1 Sample: 19fr91an (A110410046)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410046
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 16:44 Printed : 11/5/2010 10:00
Sample ID : 19fr91an (# 43) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 9.5

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.7416	157	360143	mi	1.000000	

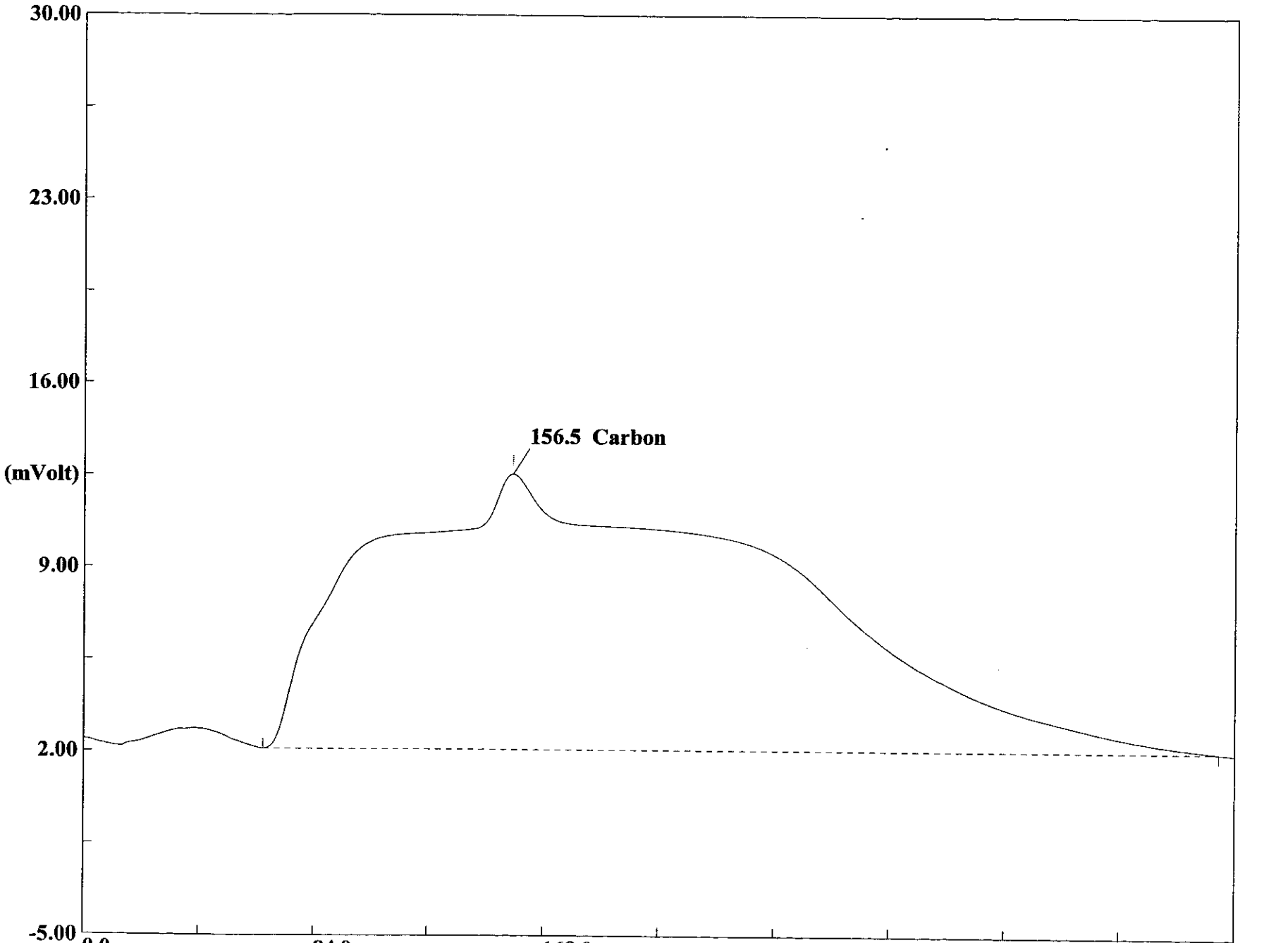
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4131

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410049.DAT

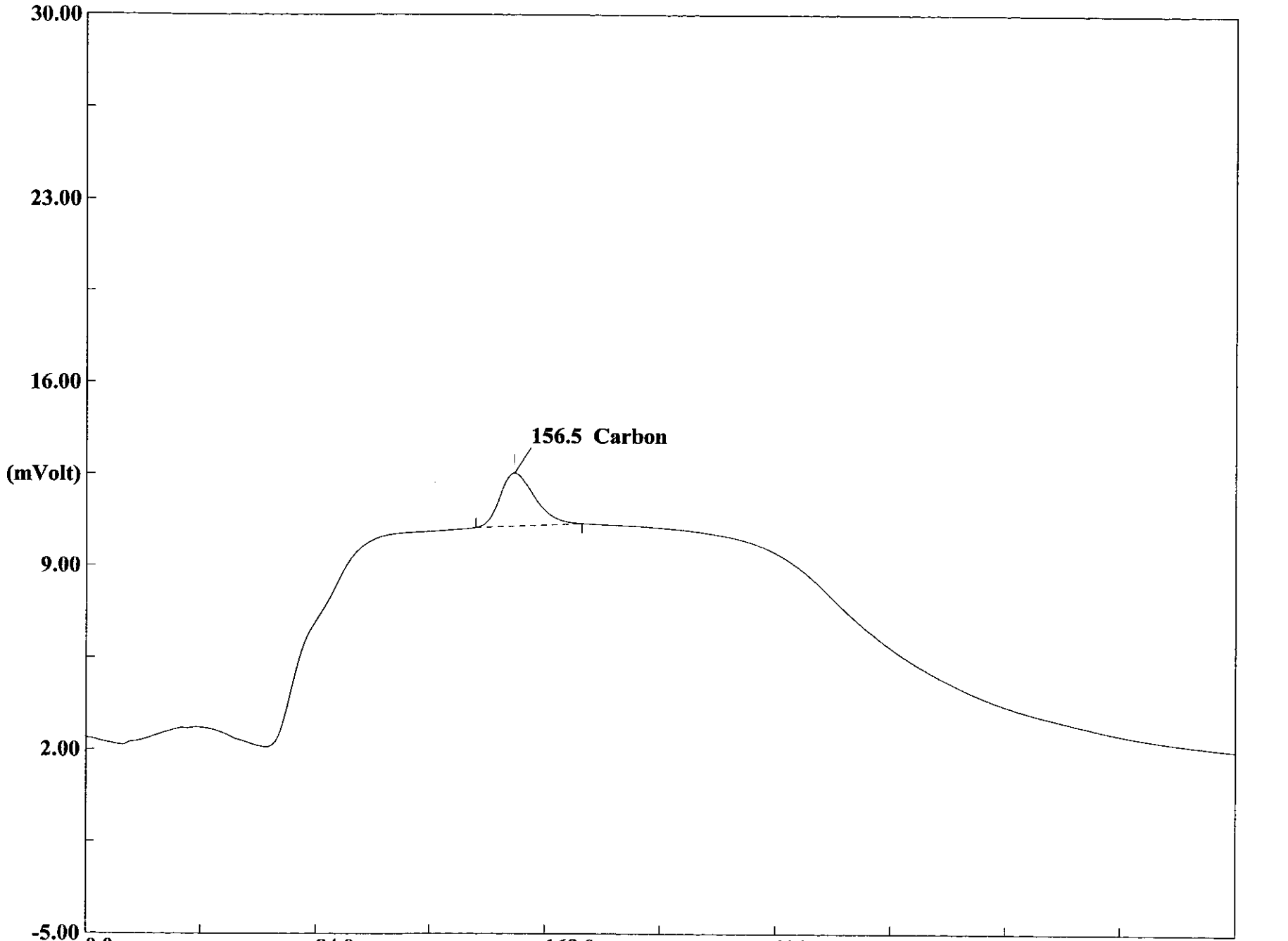
Sample name :l9f221ac Analysed :11/04/2010 17:06

C0K030562

4132

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410049.DAT

Sample name :l9f221ac Analysed :11/04/2010 17:06

Eager 300 Report

 Sample: 19f221ac (A110410049)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410049
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 17:06 Printed : 11/5/2010 10:00
Sample ID : 19f221ac (# 44) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.2

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.3351	157	297940	mi	1.000000	

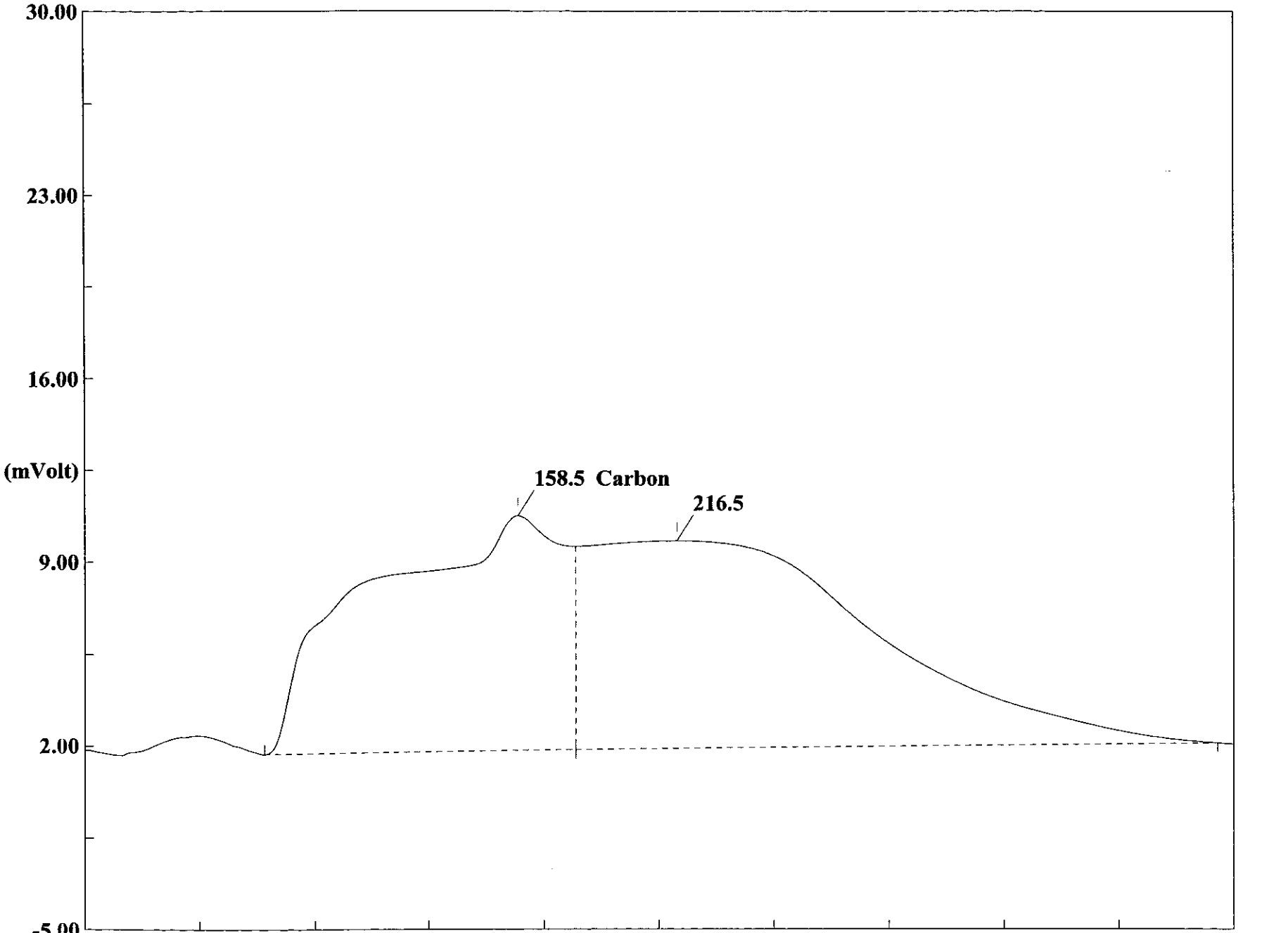
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4134

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410050.DAT

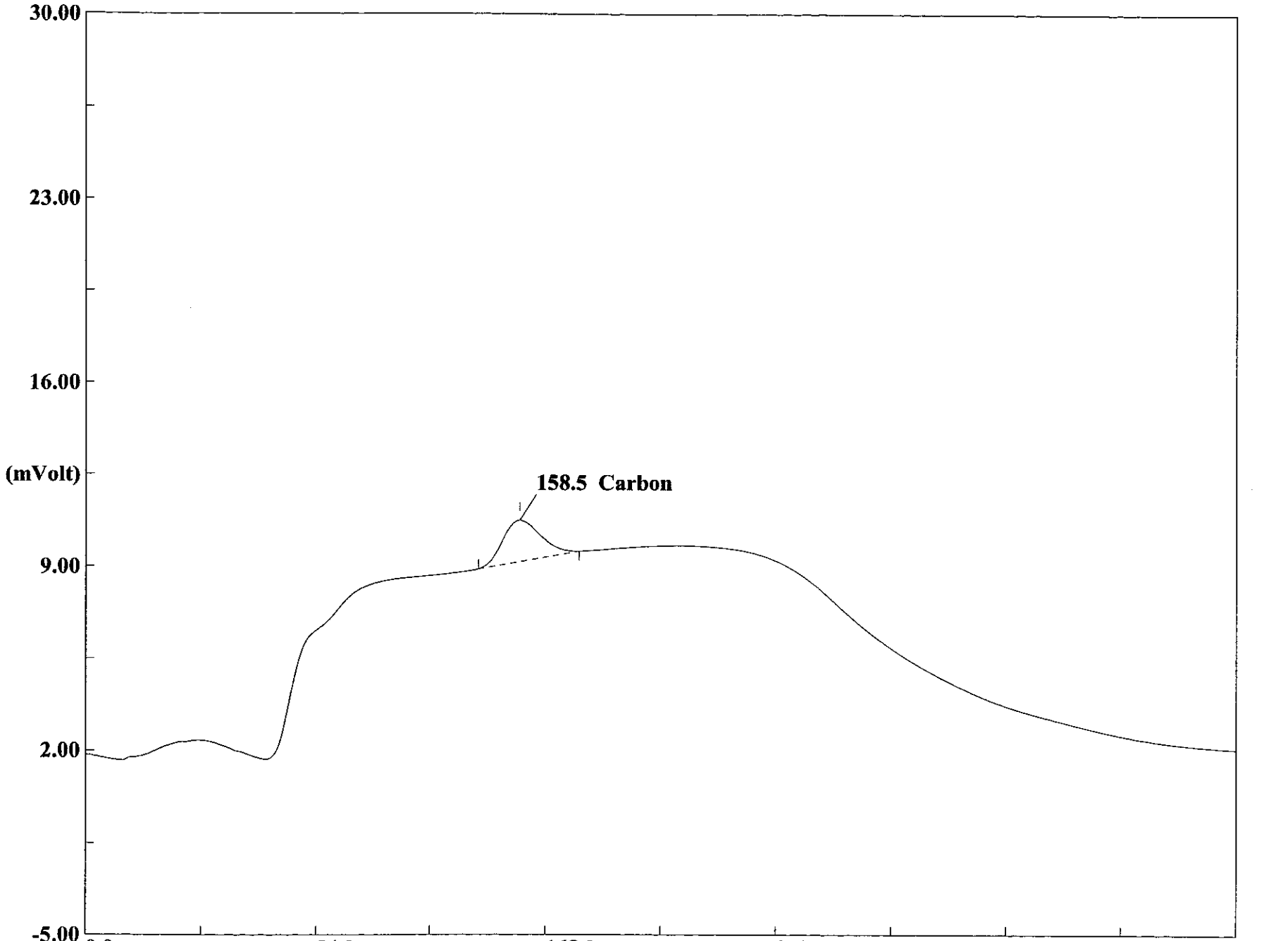
Sample name :l9f221ac Analysed :11/04/2010 17:13

C0K030562

4135

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410050.DAT

Sample name :l9f221ac Analysed :11/04/2010 17:13

Eager 300 Report

 Sample: 19f221ac (A110410050)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410050
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 17:13
Printed : 11/5/2010 10:01
Sample ID : 19f221ac (# 45)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 10.1

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.1327	159	251674	mi	1.000000	

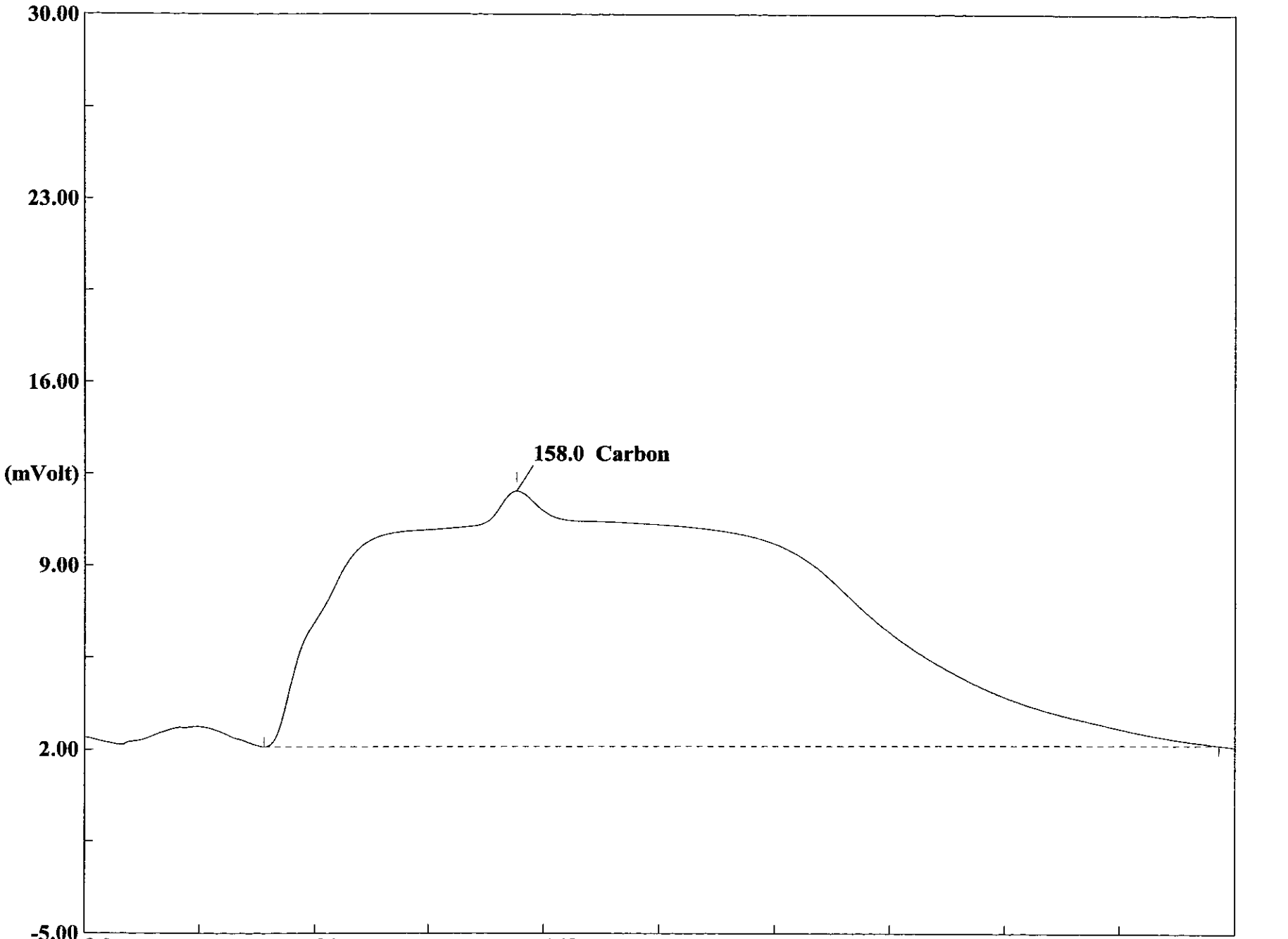
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4137

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410053.DAT

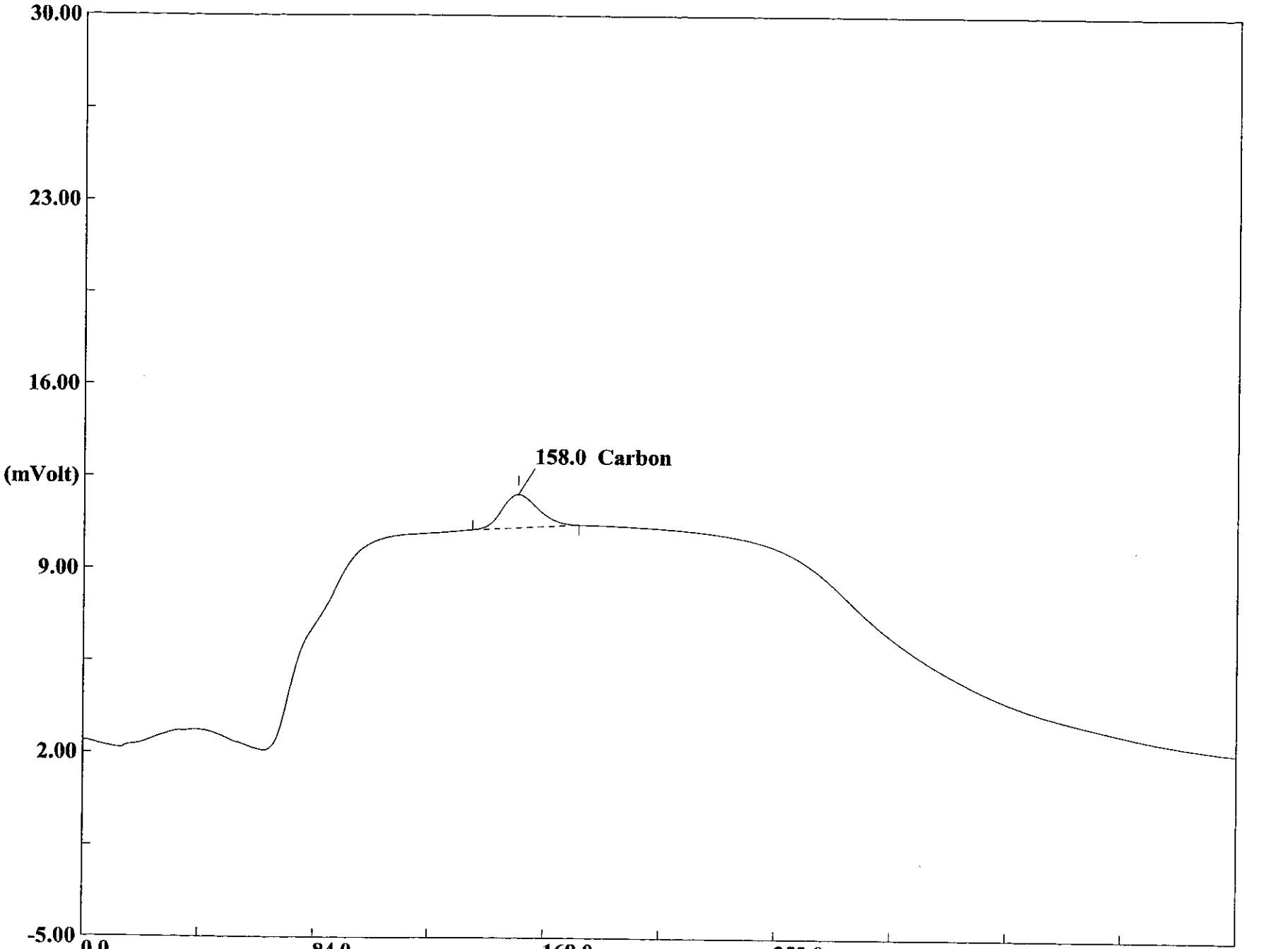
Sample name :l9f261am Analysed :11/04/2010 17:35

C0K030562

4138

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410053.DAT

Sample name :l9f261am Analysed :11/04/2010 17:35

Eager 300 Report

Page: 1 Sample: l9f261am (A110410053)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410053
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 17:35 Printed : 11/5/2010 10:01
Sample ID : l9f261am (# 46) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.4

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8299	158	191986	mi	1.000000	

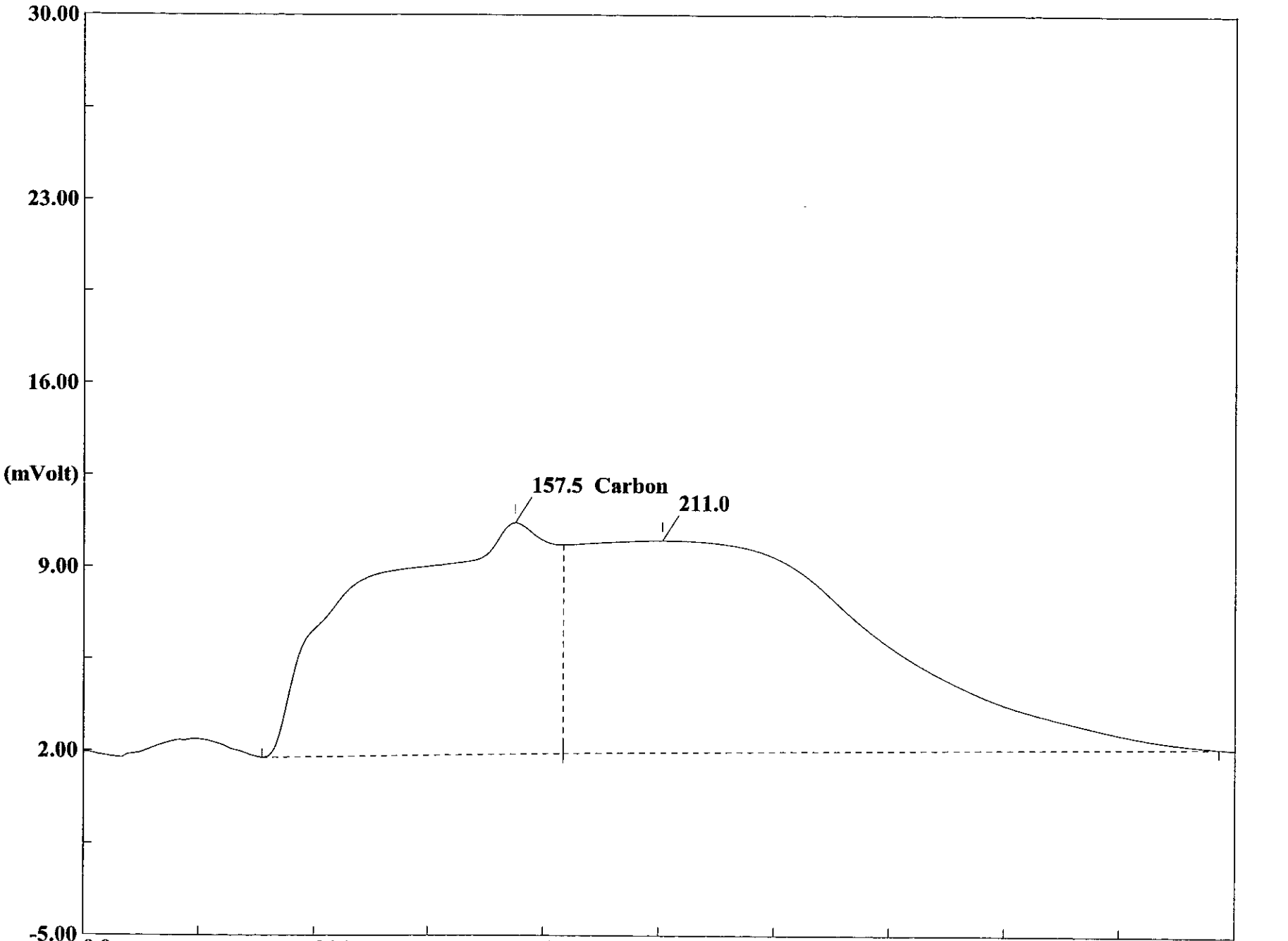
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4140

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410054.DAT

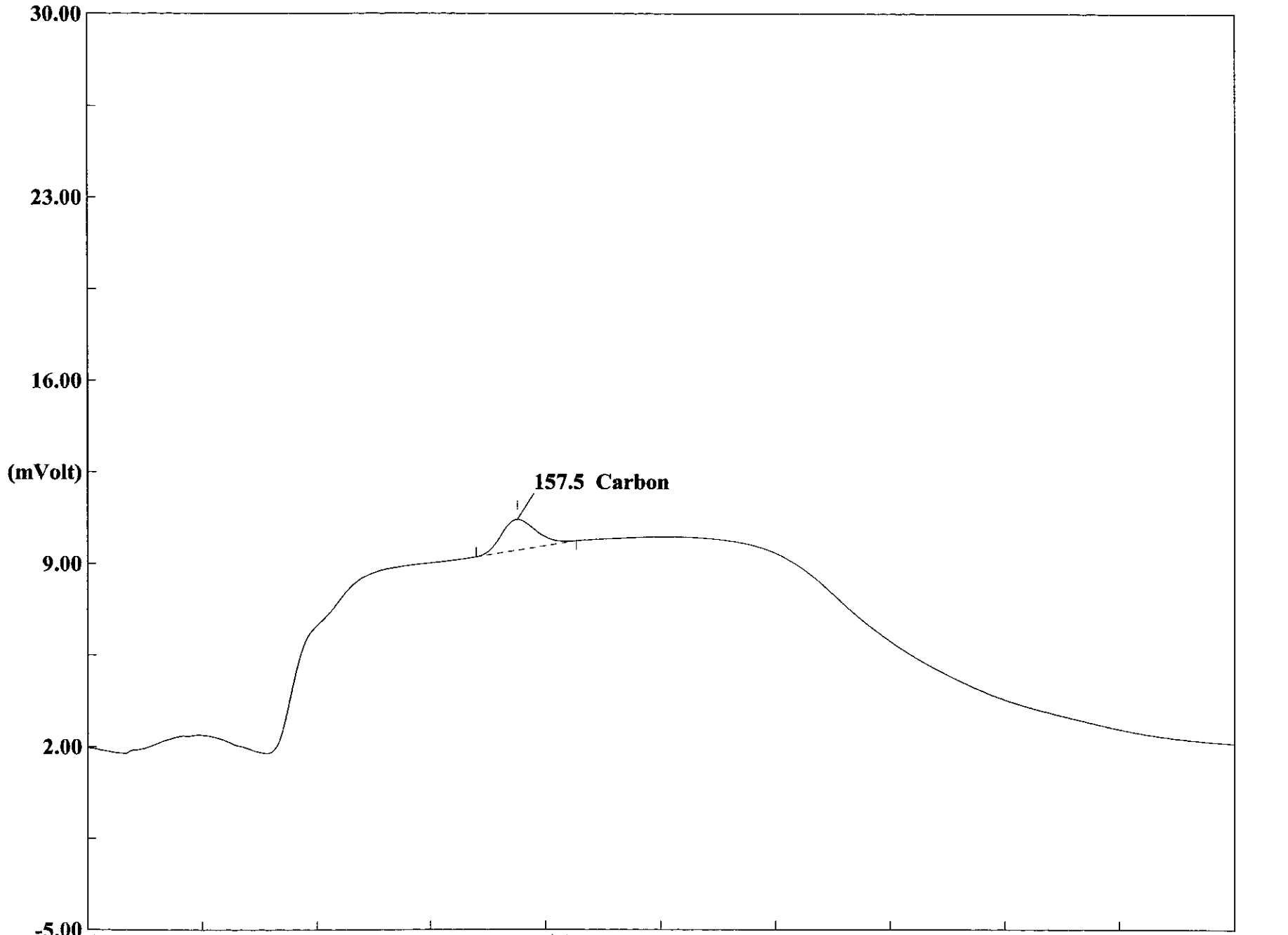
Sample name :l9f261am Analysed :11/04/2010 17:42

C0K030562

4141

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410054.DAT

Sample name :l9f261am Analysed :11/04/2010 17:42

Eager 300 Report

Page: 1 Sample: 19f261am (A110410054)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410054
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 17:42 Printed : 11/5/2010 10:01
Sample ID : 19f261am (# 47) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.7

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.7285	158	174226	mi	1.000000	

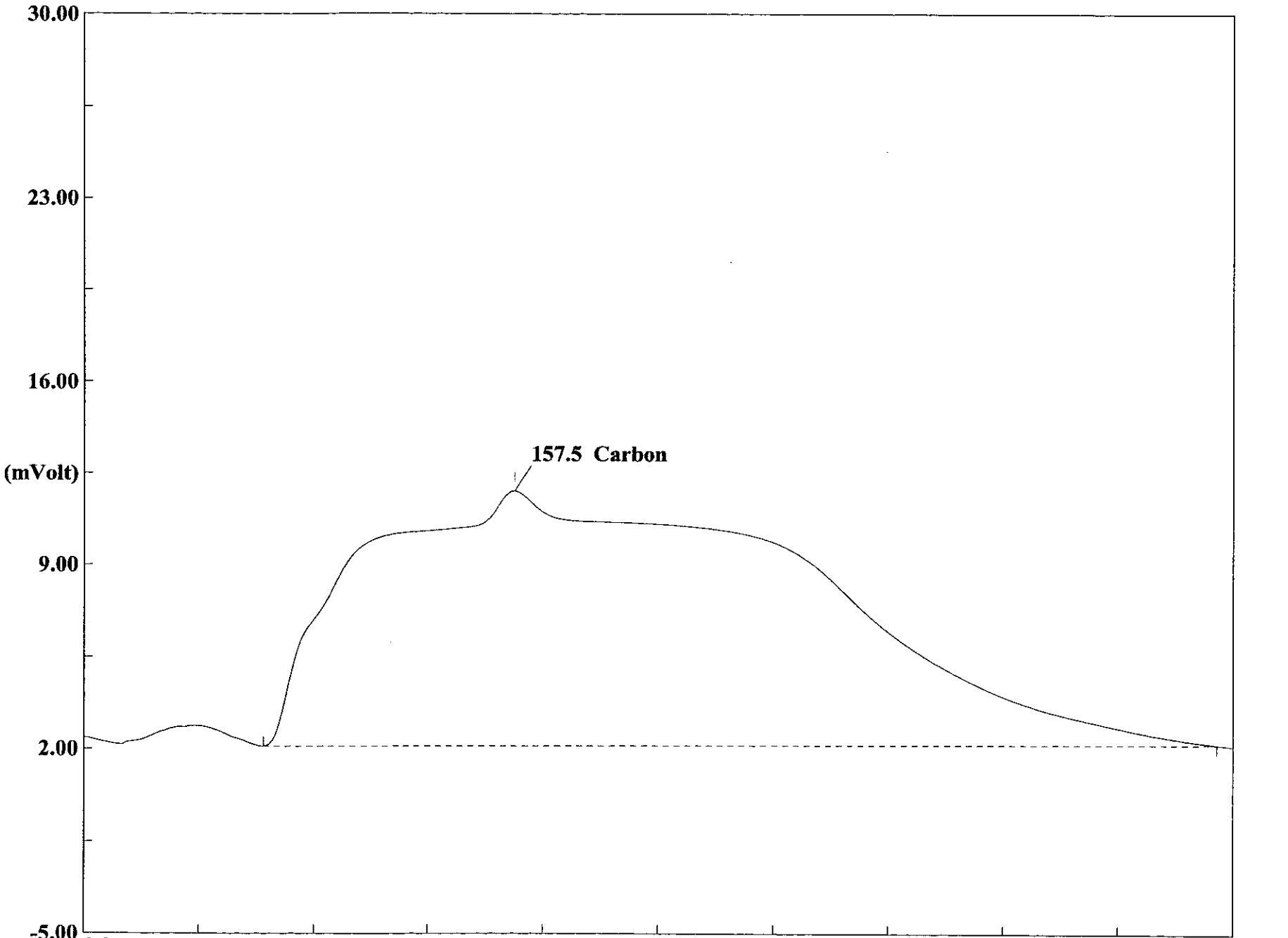
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4143

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410057.DAT

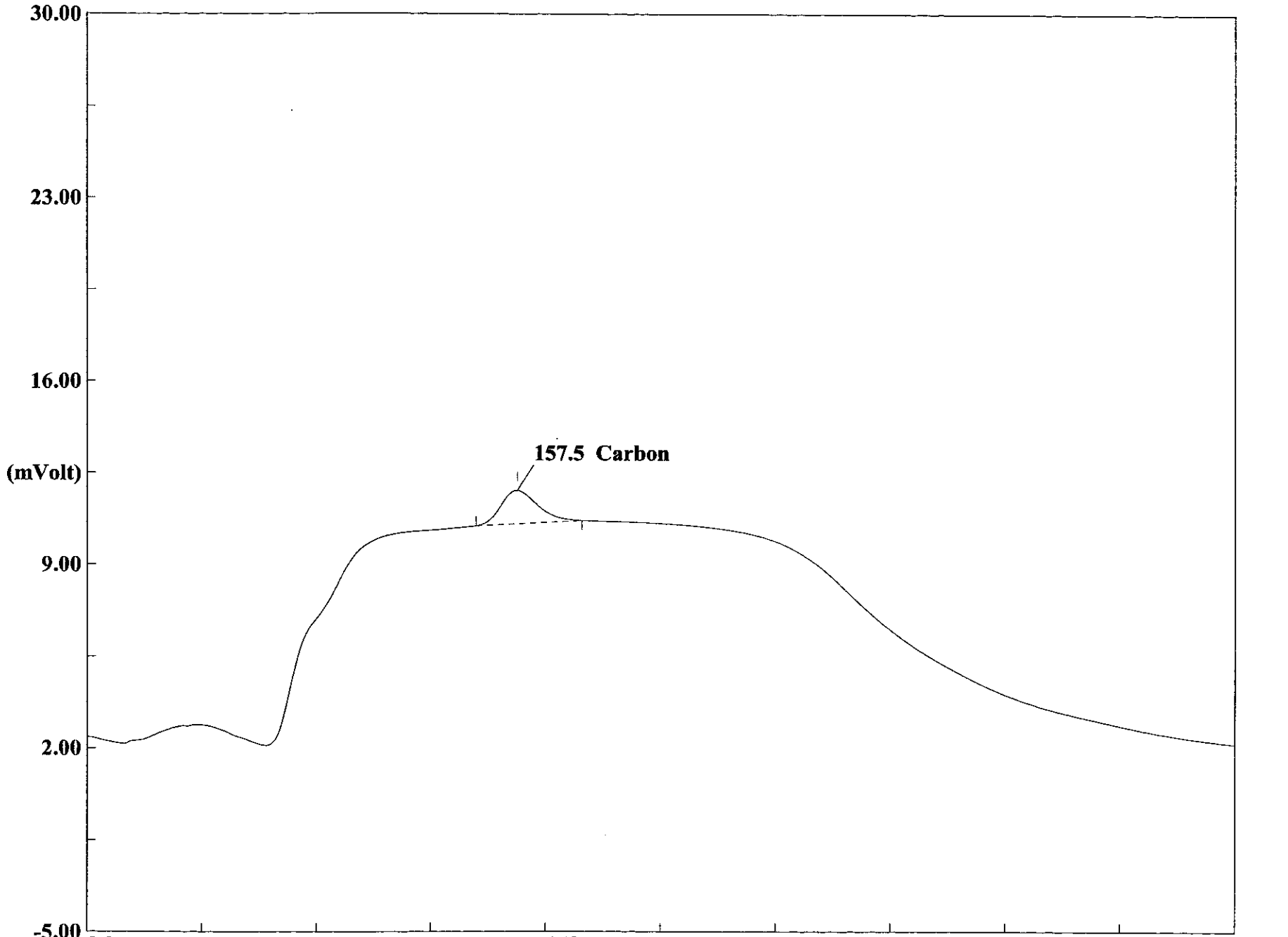
Sample name :l9f271ax Analysed :11/04/2010 18:04

C0K030562

4144

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410057.DAT

Sample name :l9f271ax Analysed :11/04/2010 18:04

Eager 300 Report

Page: 1 Sample: 19f271ax (A110410057)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410057
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 18:04 Printed : 11/5/2010 10:01
Sample ID : 19f271ax (# 48) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.9

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8091	158	195981	mi	1.000000	

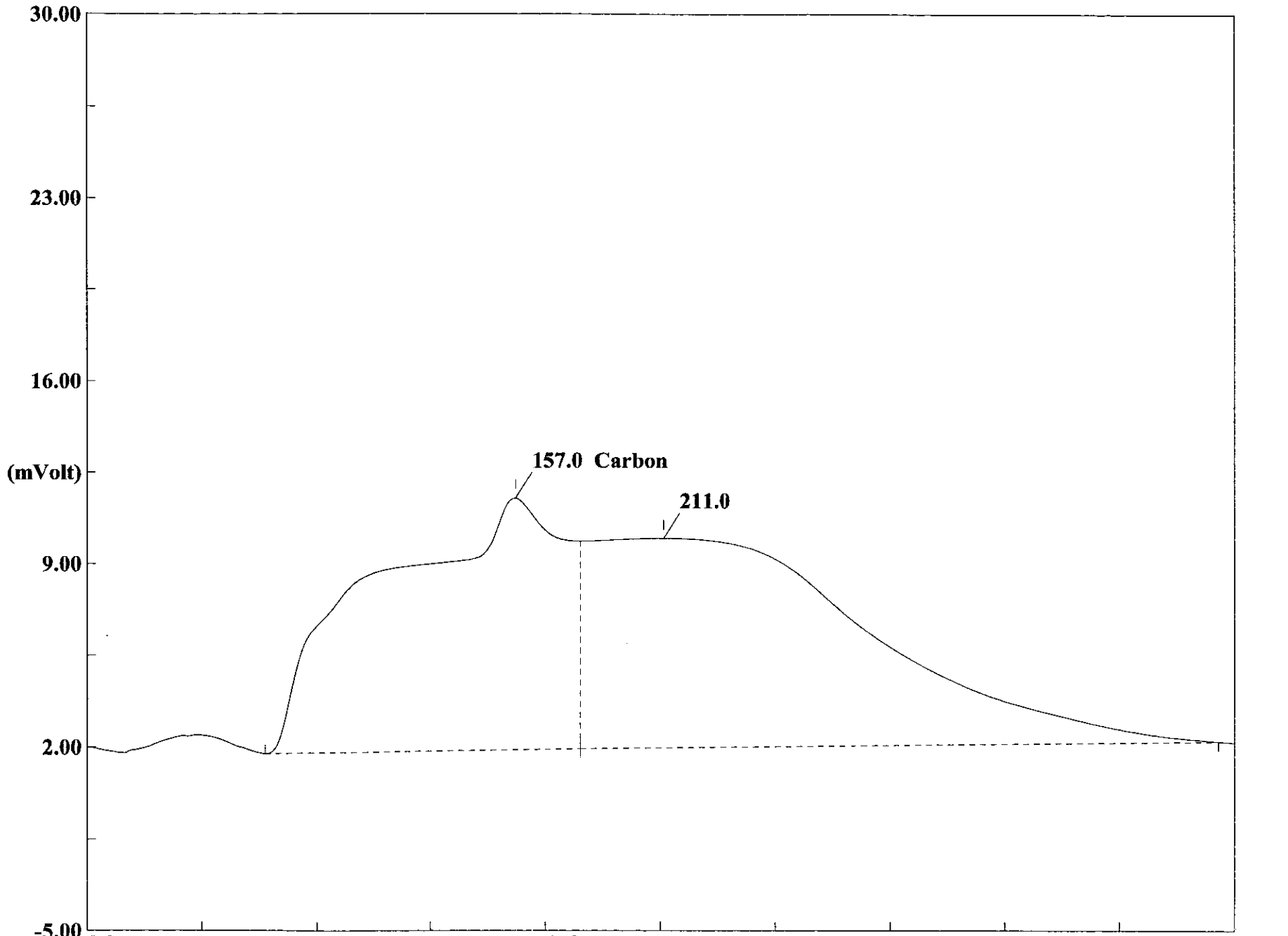
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4146

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410058.DAT

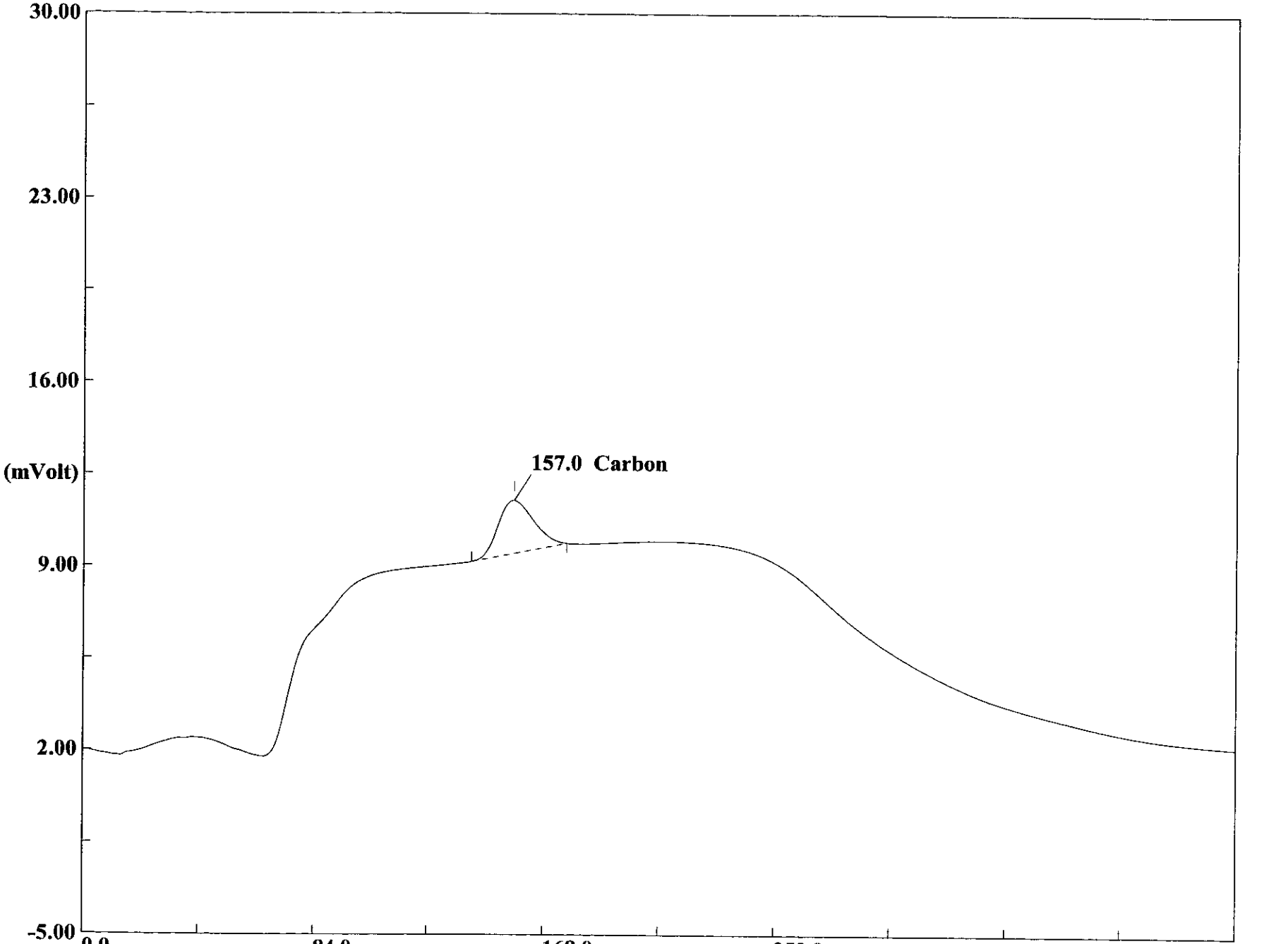
Sample name :l9f271ax Analysed :11/04/2010 18:11

C0K030562

4147

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410058.DAT

Sample name :l9f271ax Analysed :11/04/2010 18:11

Eager 300 Report

Page: 1 Sample: 19f271ax (A110410058)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410058
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 18:11 Printed : 11/5/2010 10:01
Sample ID : 19f271ax (# 49) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.3

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.3307	157	299817	mi	1.000000	

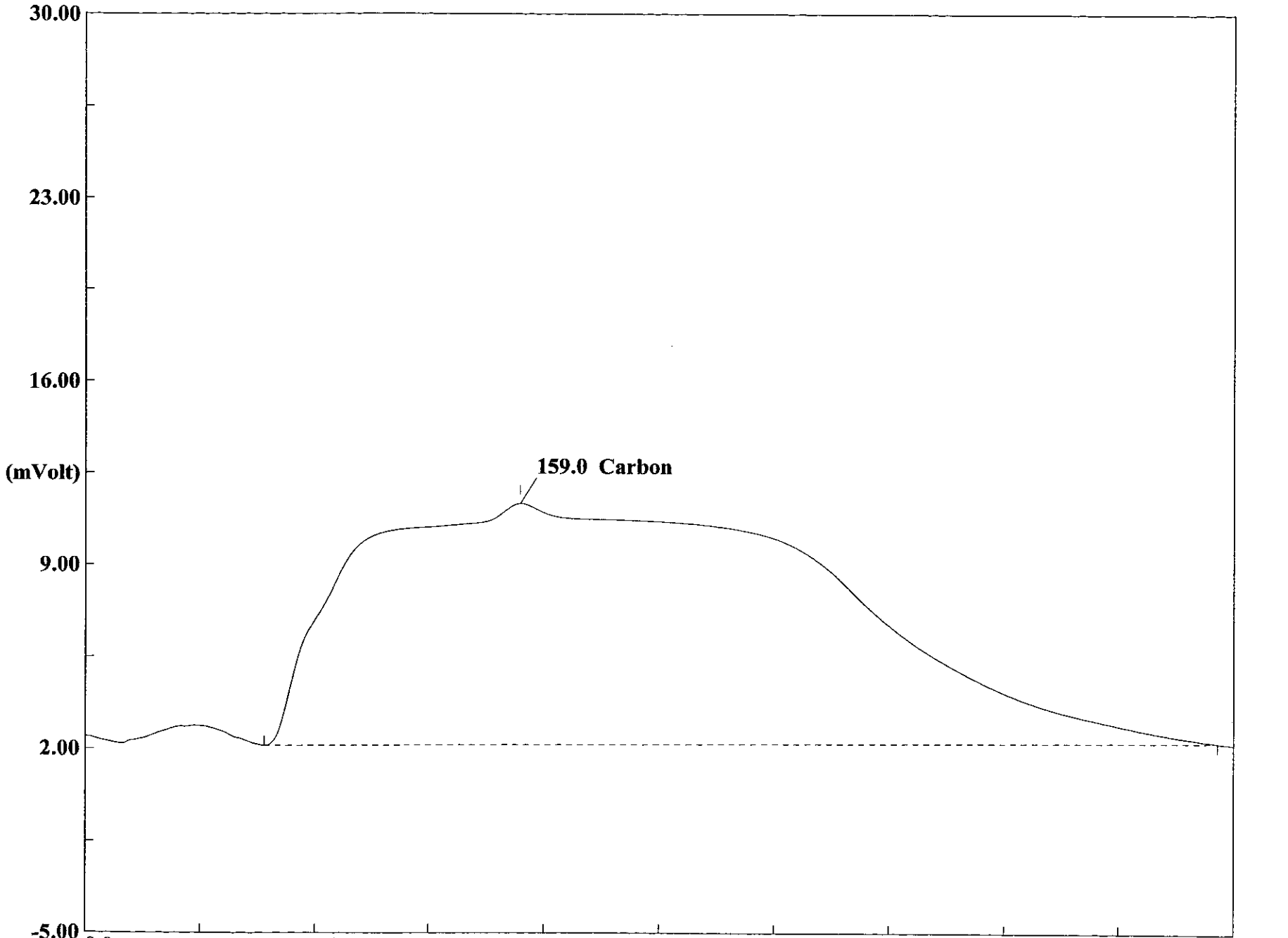
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4149

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410061.DAT

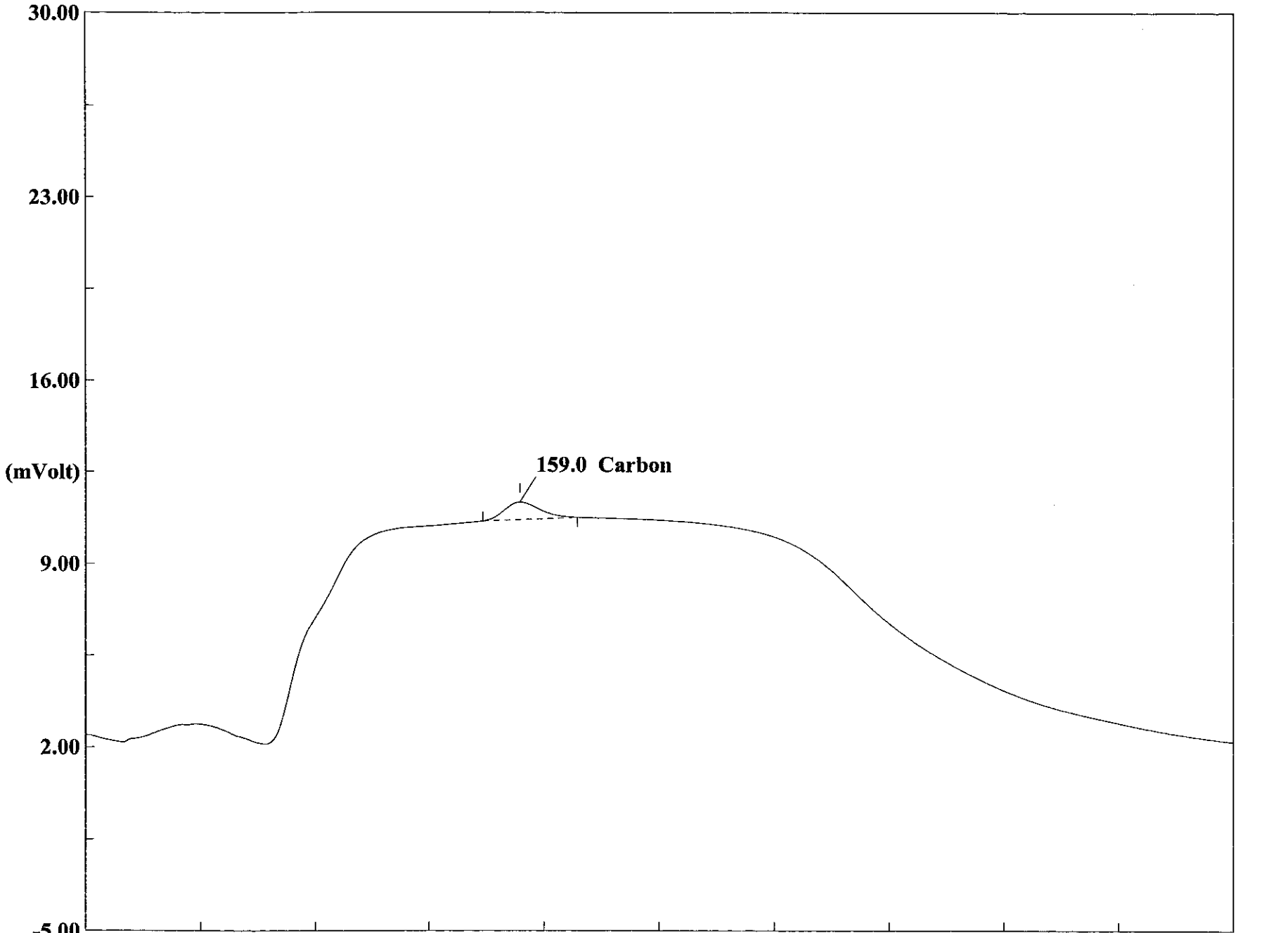
Sample name :l9f281a8 Analysed :11/04/2010 18:33

C0K030562

4150

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410061.DAT

Sample name :l9f281a8 Analysed :11/04/2010 18:33

Eager 300 Report

 Sample: l9f281a8 (A110410061)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410061
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 18:33 Printed : 11/5/2010 10:01
Sample ID : l9f281a8 (# 50) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.3

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.4149	159	99399	mi	1.000000	

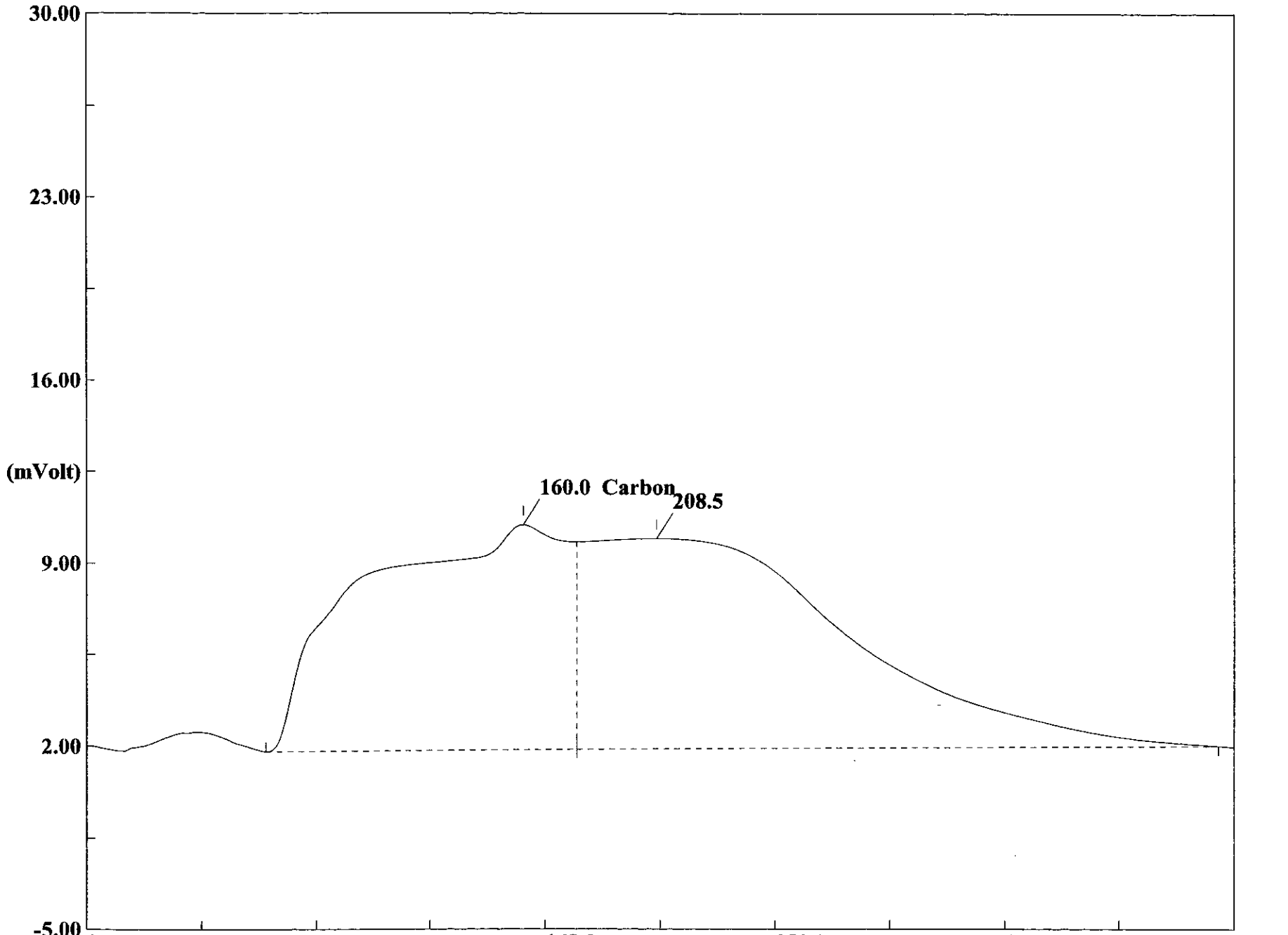
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4152

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410062.DAT

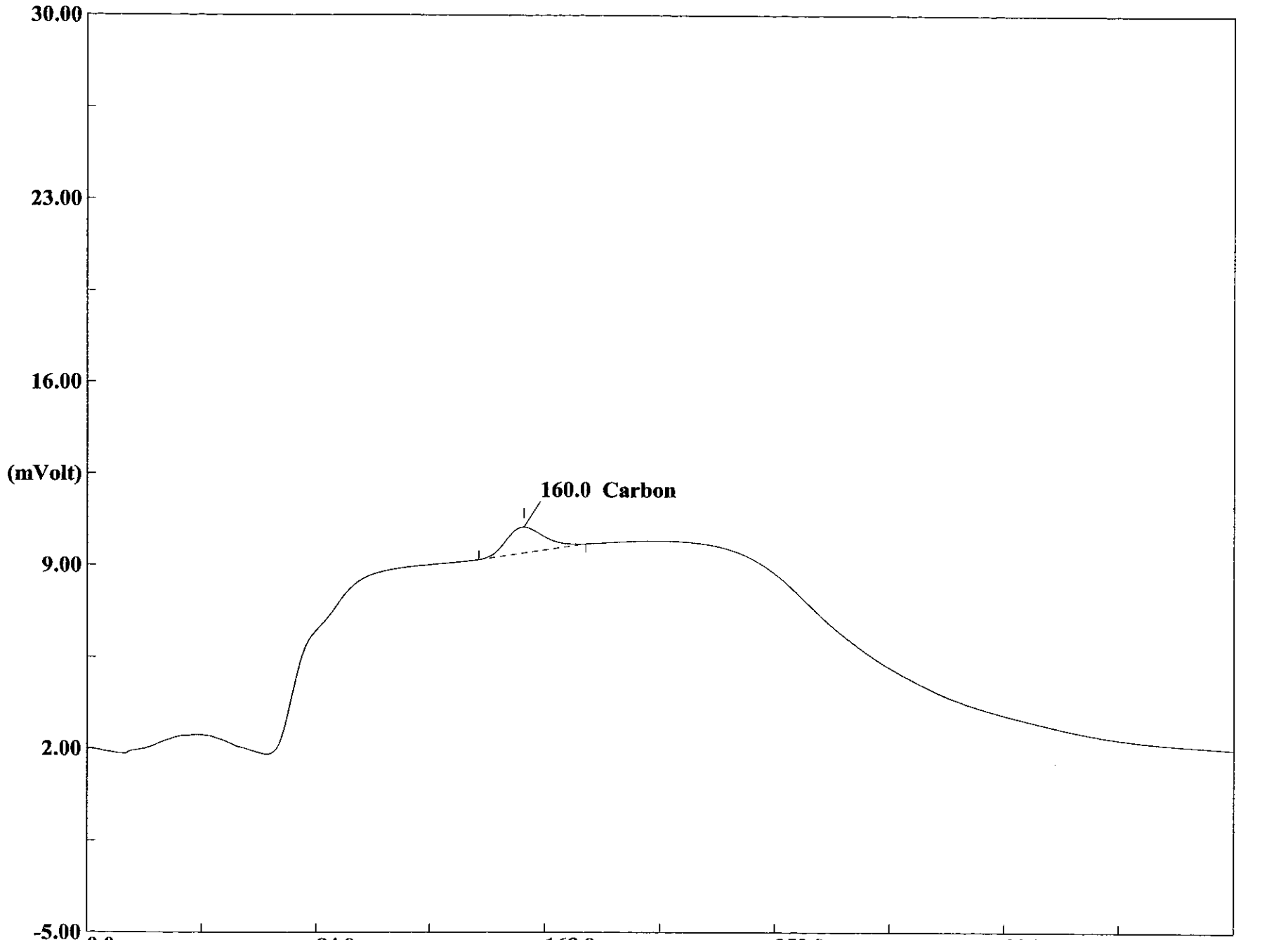
Sample name :l9f281a8 Analysed :11/04/2010 18:40

C0K030562

4153

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410062.DAT

Sample name :l9f281a8 Analysed :11/04/2010 18:40

Eager 300 Report

Page: 1 Sample: 19f281a8 (A110410062)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410062
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 18:40 Printed : 11/5/2010 10:01
Sample ID : 19f281a8 (# 51) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 9.3

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.7686	160	160464	mi	1.000000	

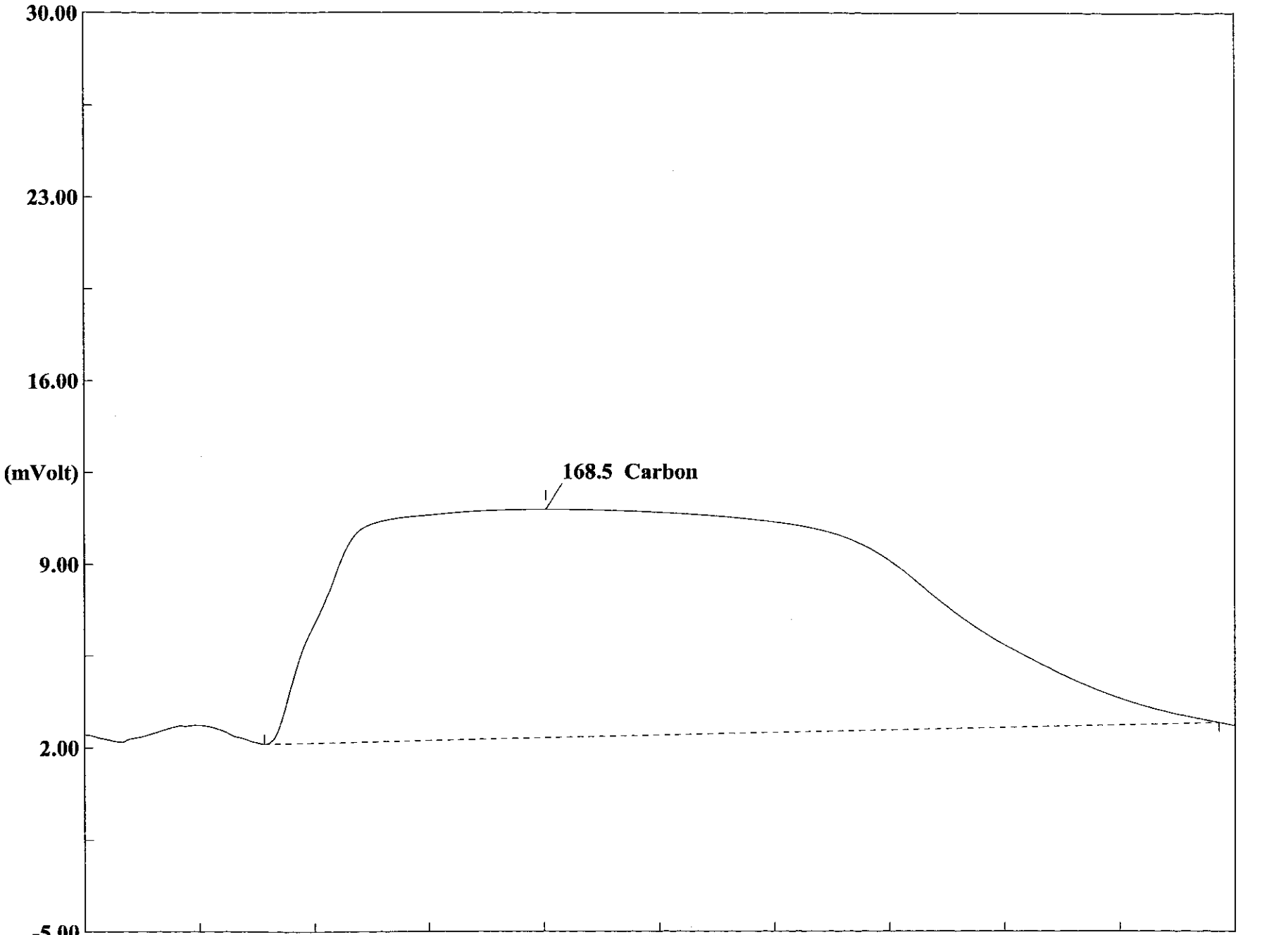
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4155

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410065.DAT

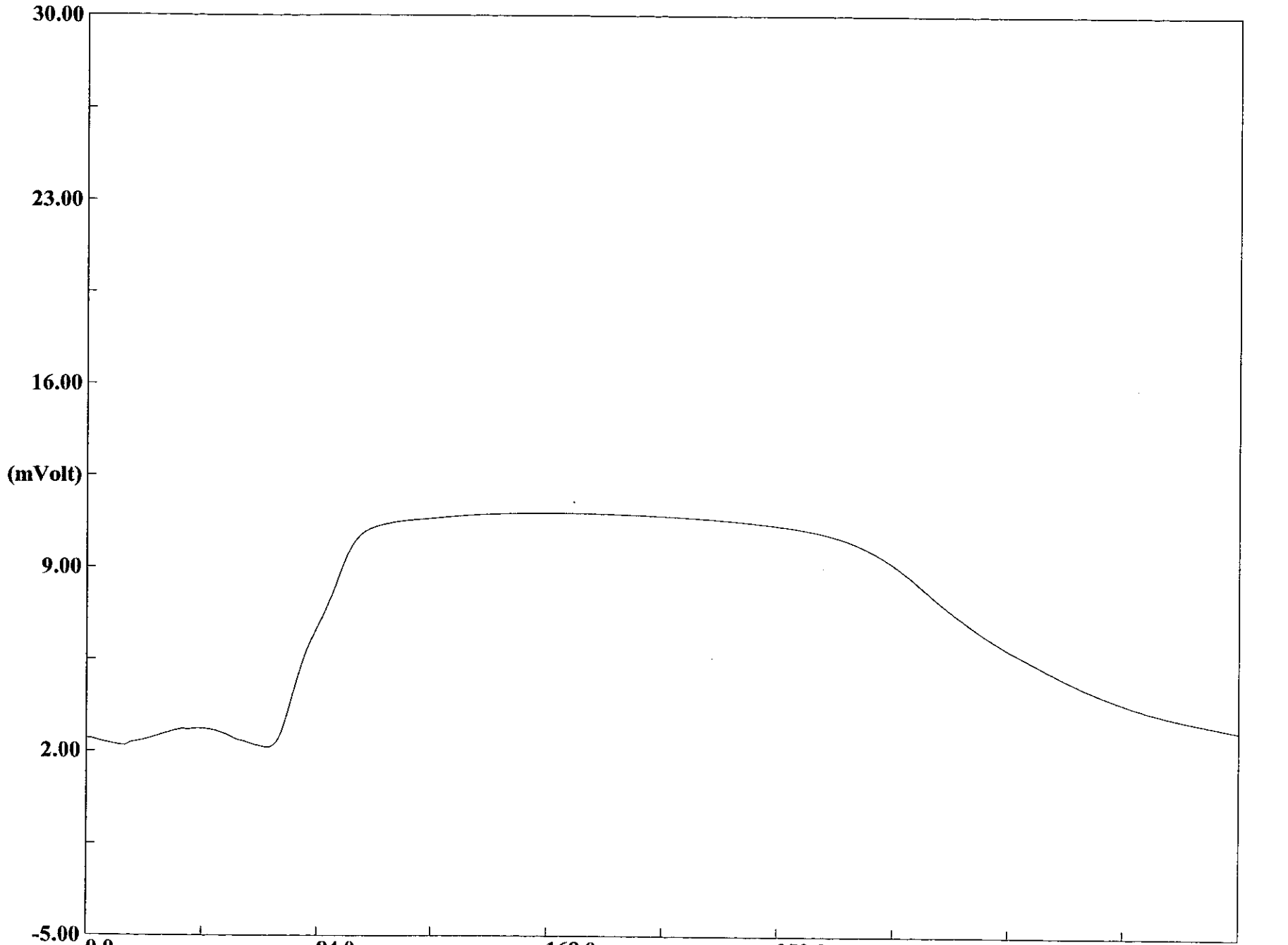
Sample name :ccb Analysed :11/04/2010 19:02

C0K030562

4156

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410065.DAT

Sample name :ccb Analysed :11/04/2010 19:02

Eager 300 Report

Page: 1 Sample: ccb (A110410065)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410065
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 19:02 Printed : 11/5/2010 10:01
Sample ID : ccb (# 52) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

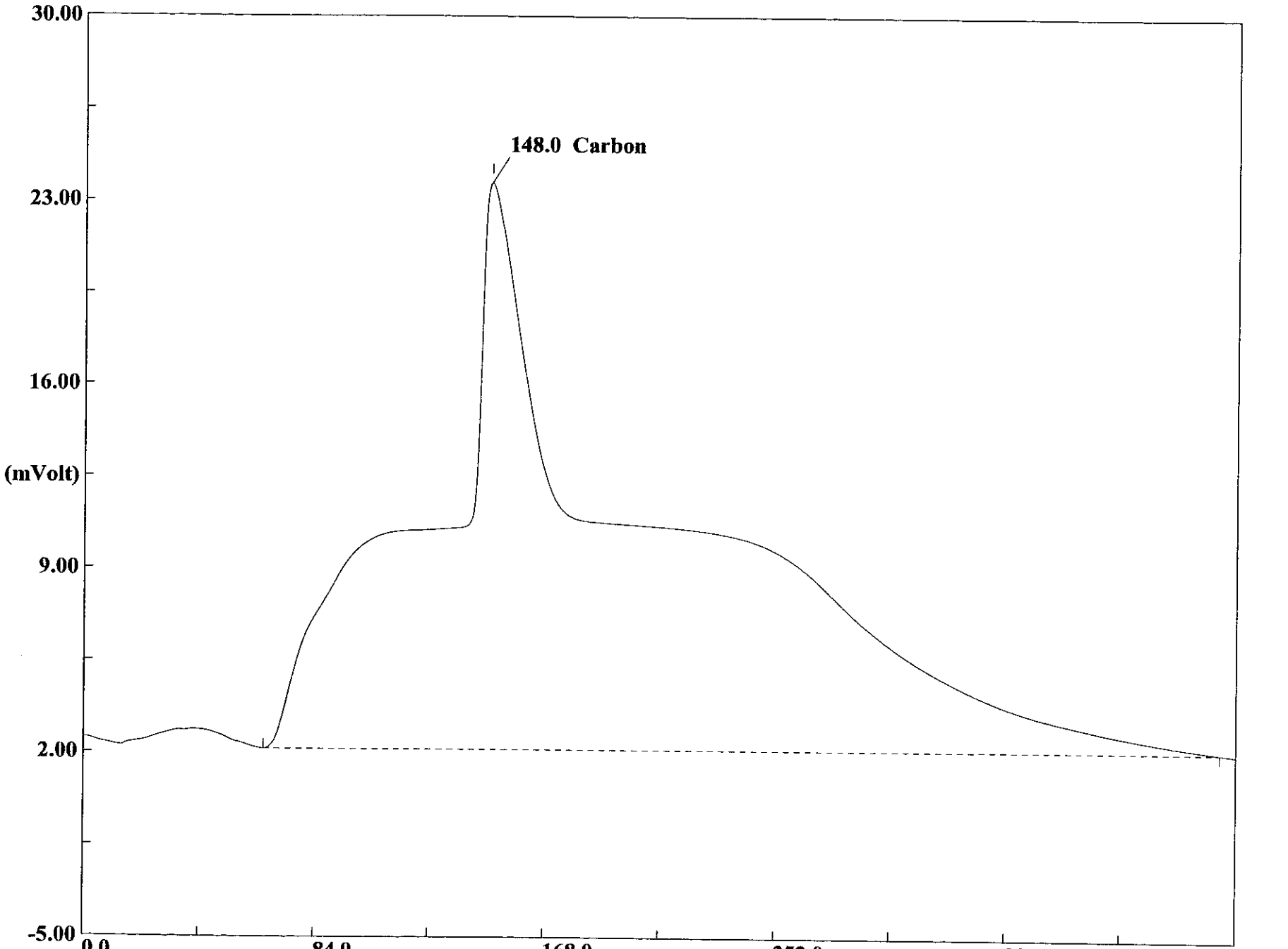
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4158

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410066.DAT

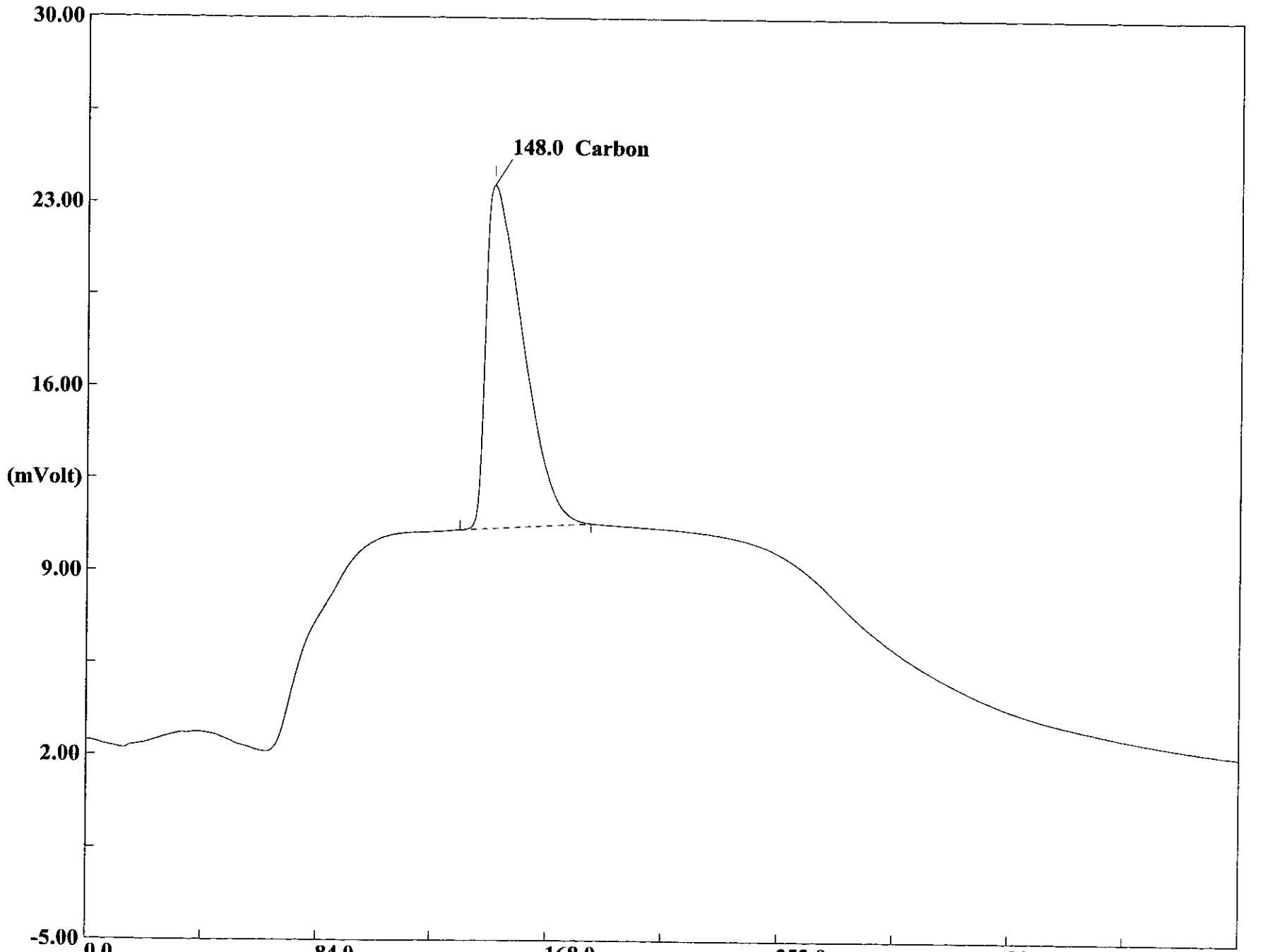
Sample name :ccv Analysed :11/04/2010 19:09

C0K030562

4159

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410066.DAT

Sample name :ccv Analysed :11/04/2010 19:09

Eager 300 Report

 Sample: ccv (A110410066)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410066
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 19:09
Printed : 11/5/2010 10:01
Sample ID : ccv (# 53)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9583	148	2044759	mi	1.000000	

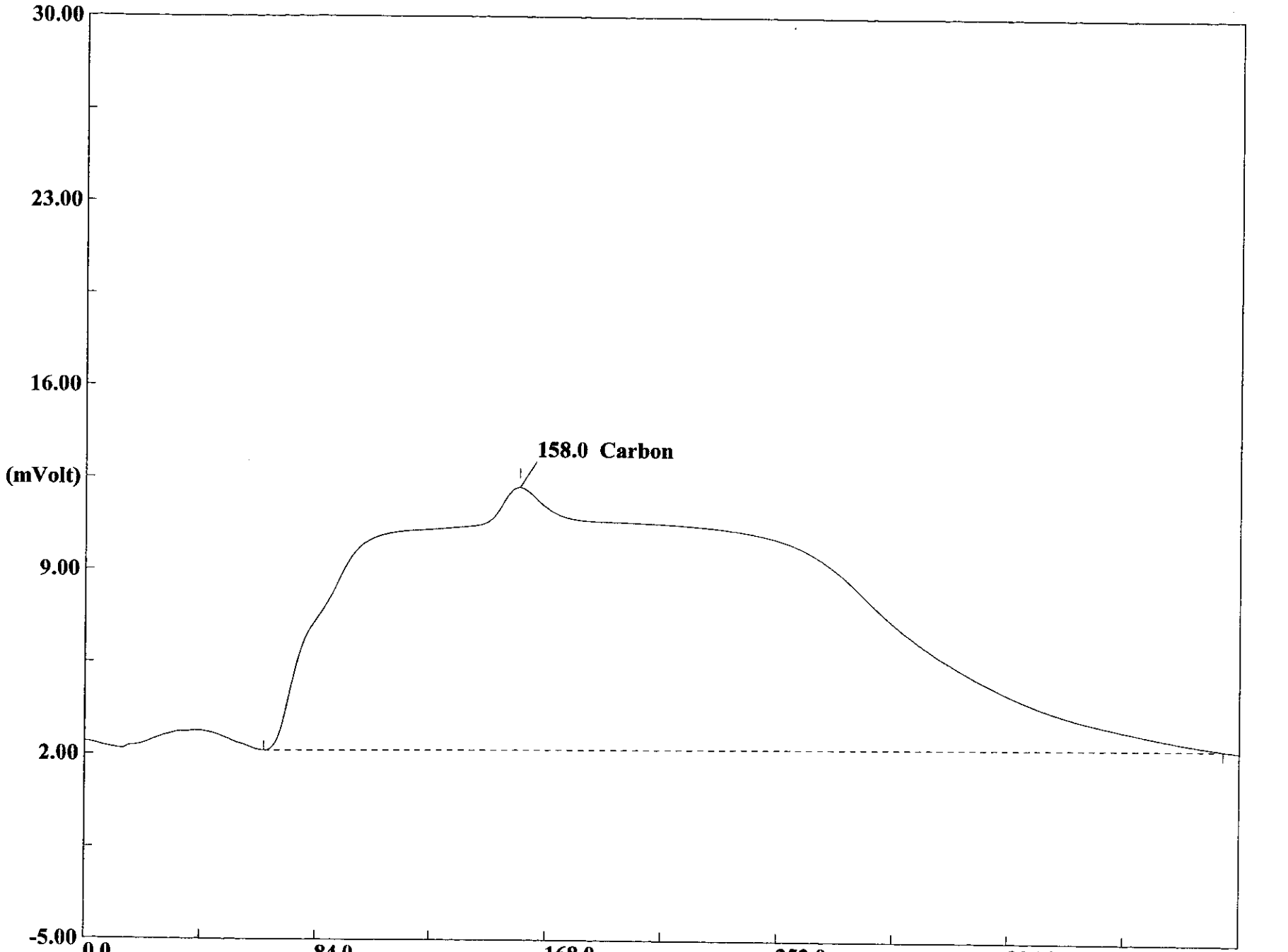
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4161

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410071.DAT

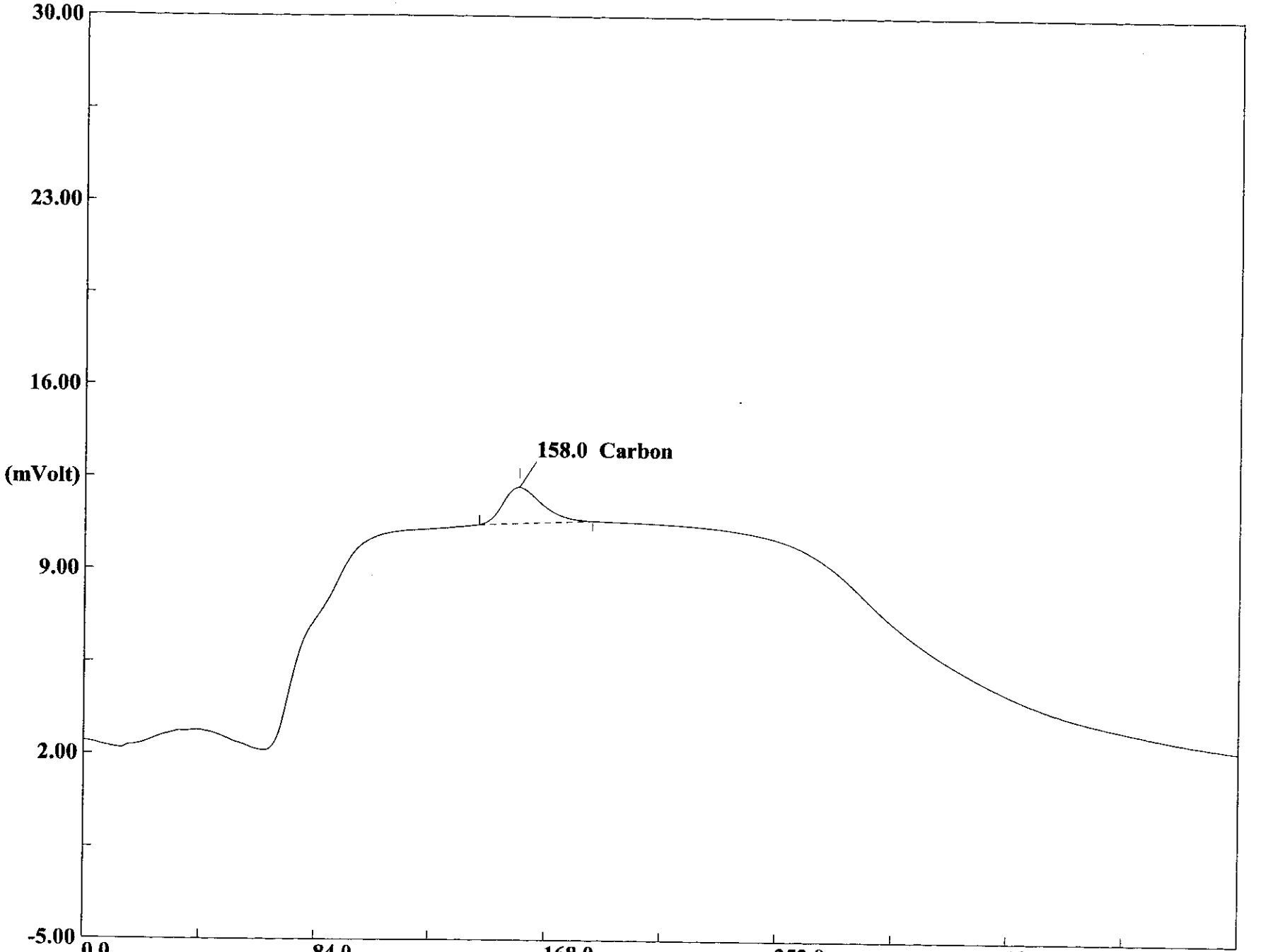
Sample name :l9f3d1a8 Analysed :11/04/2010 19:45

C0K030562

4162

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410071.DAT

Sample name :l9f3d1a8 Analysed :11/04/2010 19:45

Eager 300 Report

Page: 1 Sample: 19f3d1a8 (A110410071)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410071
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 19:45 Printed : 11/5/2010 10:01
Sample ID : 19f3d1a8 (# 56) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.5

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9687	158	224711	mi	1.000000	

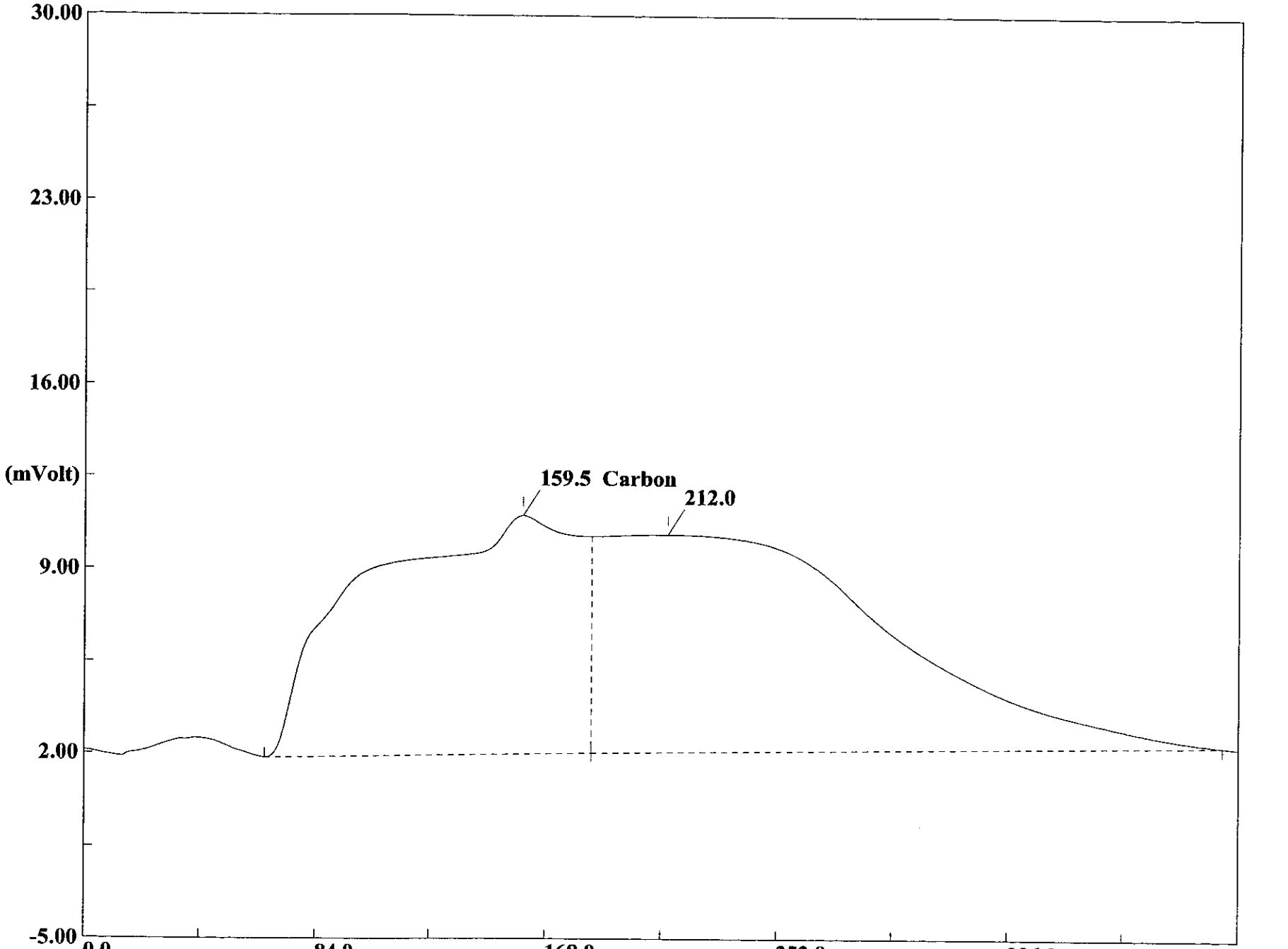
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4164

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410072.DAT

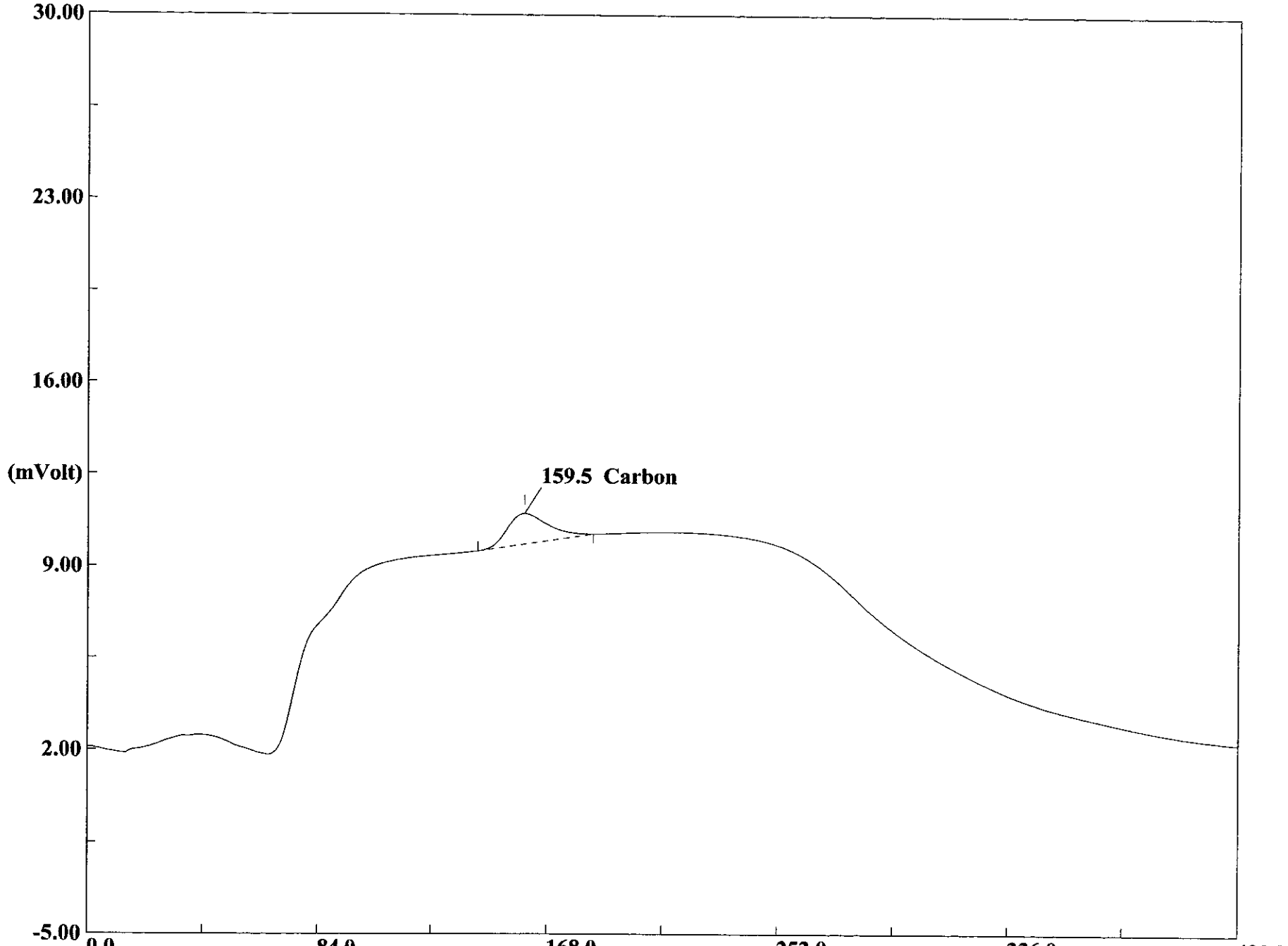
Sample name :l9f3d1a8 Analysed :11/04/2010 19:53

C0K030562

4165

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410072.DAT

Sample name :l9f3d1a8 Analysed :11/04/2010 19:53

Eager 300 Report

 Sample: 19f3d1a8 (A110410072)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410072
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 19:53
Printed : 11/5/2010 10:01
Sample ID : 19f3d1a8 (# 57)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 10.3

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8800	160	201178	mi	1.000000	

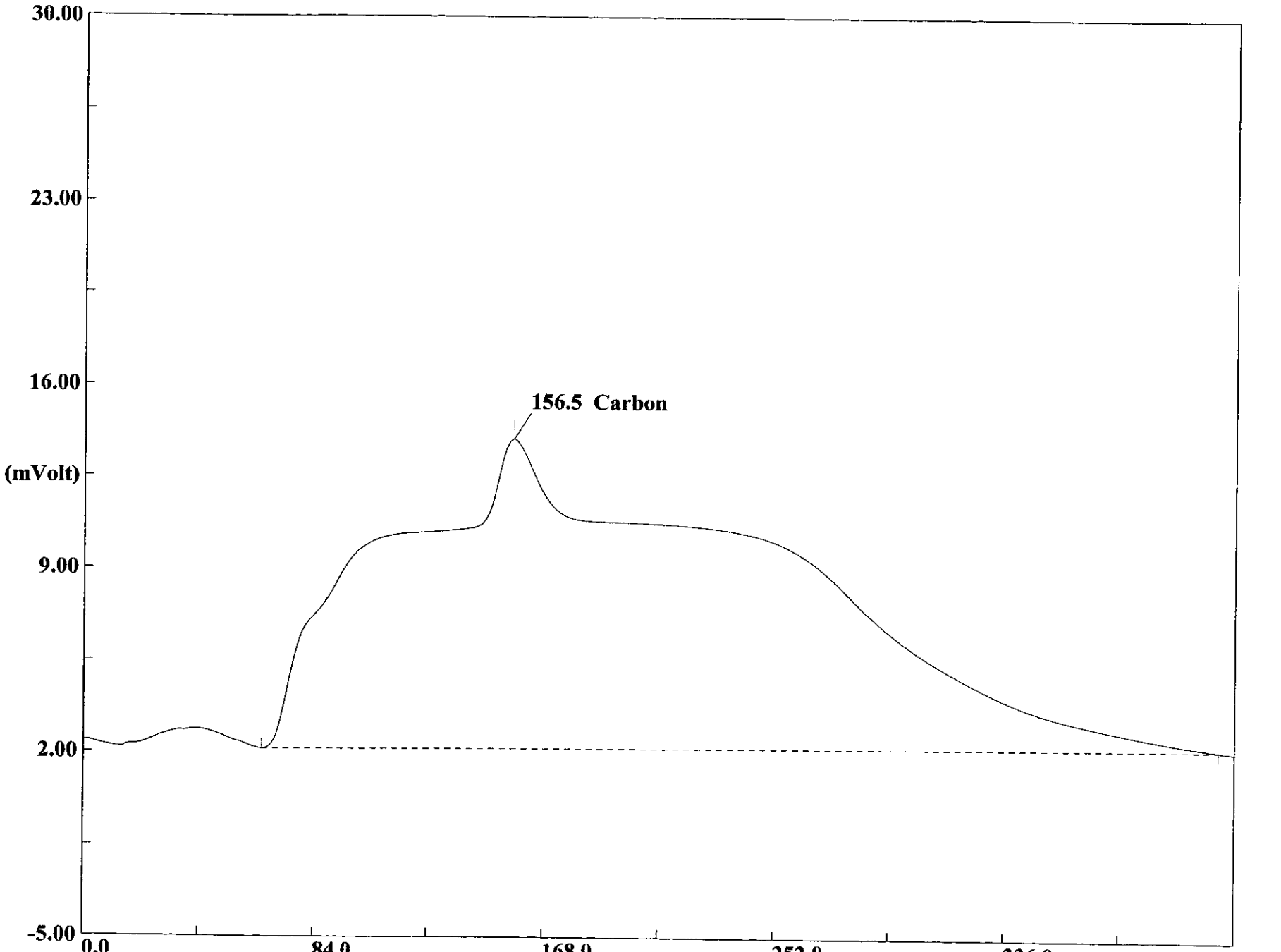
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4167

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410079.DAT

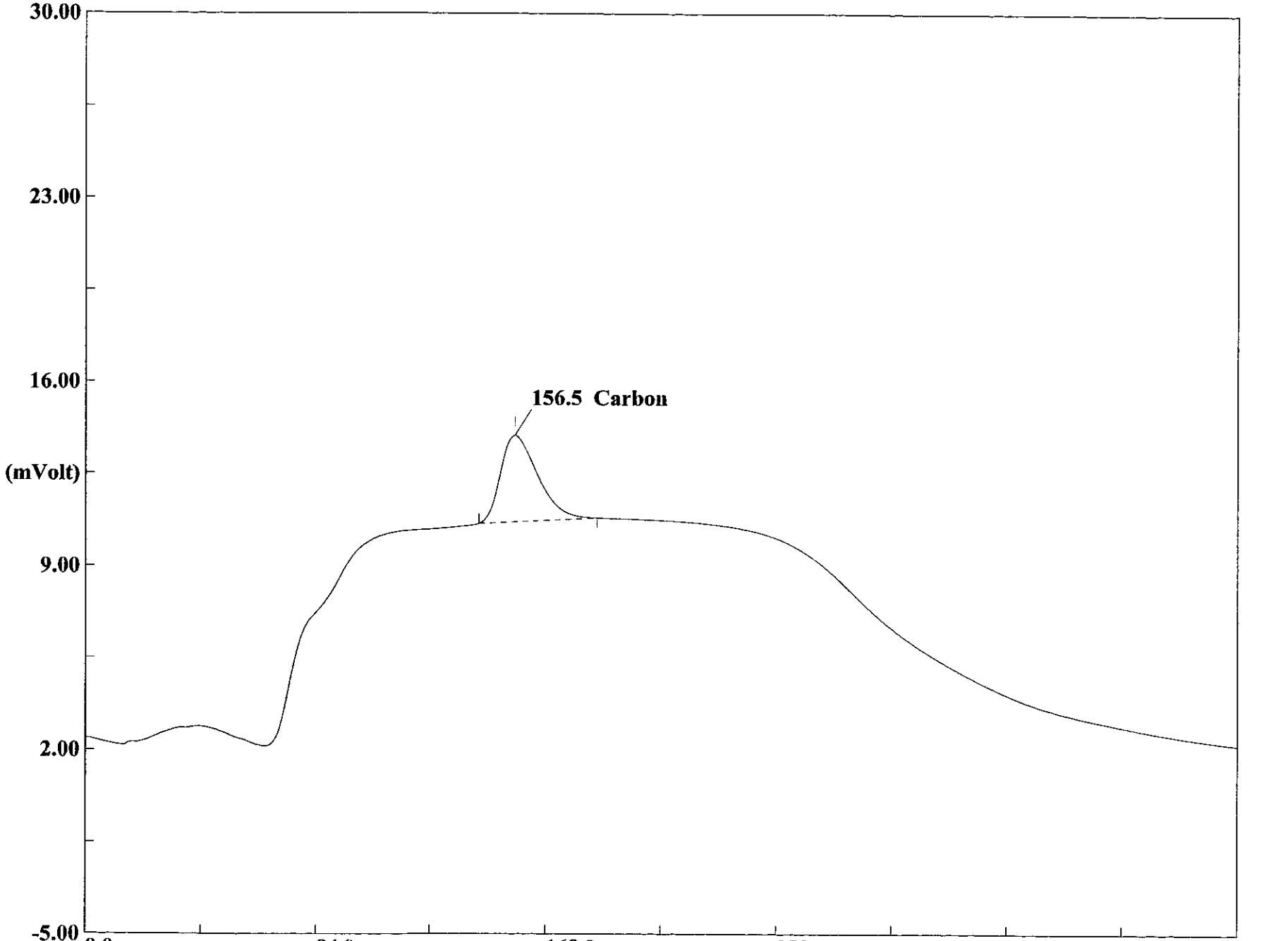
Sample name :l9f371am Analysed :11/04/2010 20:43

C0K030562

4168

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410079.DAT

Sample name :l9f371am Analysed :11/04/2010 20:43

Eager 300 Report

 Sample: 19f371am (A110410079)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410079
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 20:43
Printed : 11/5/2010 10:01
Sample ID : 19f371am (# 60)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 10

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.3684	157	511817	mi	1.000000	

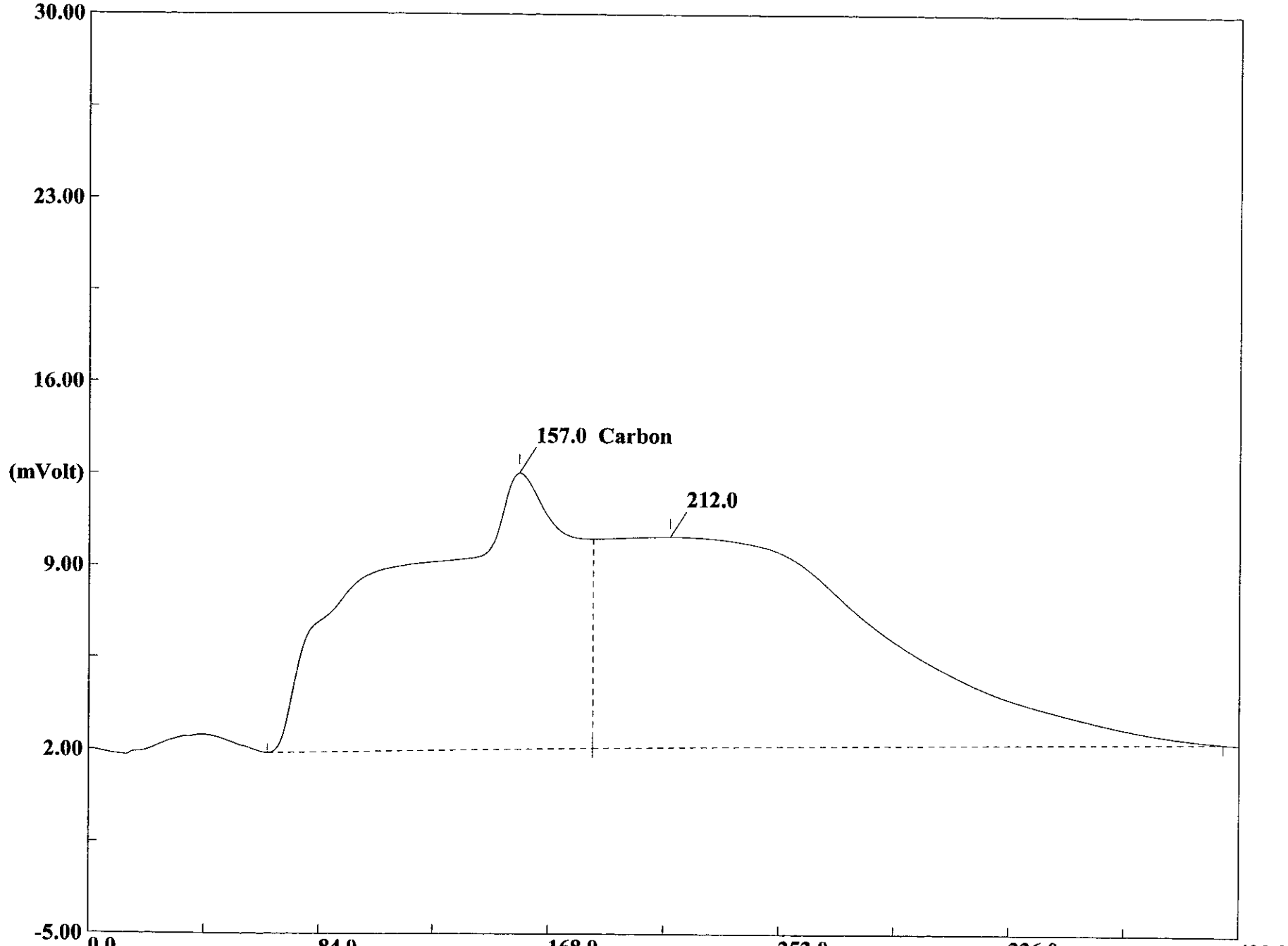
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4170

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410080.DAT

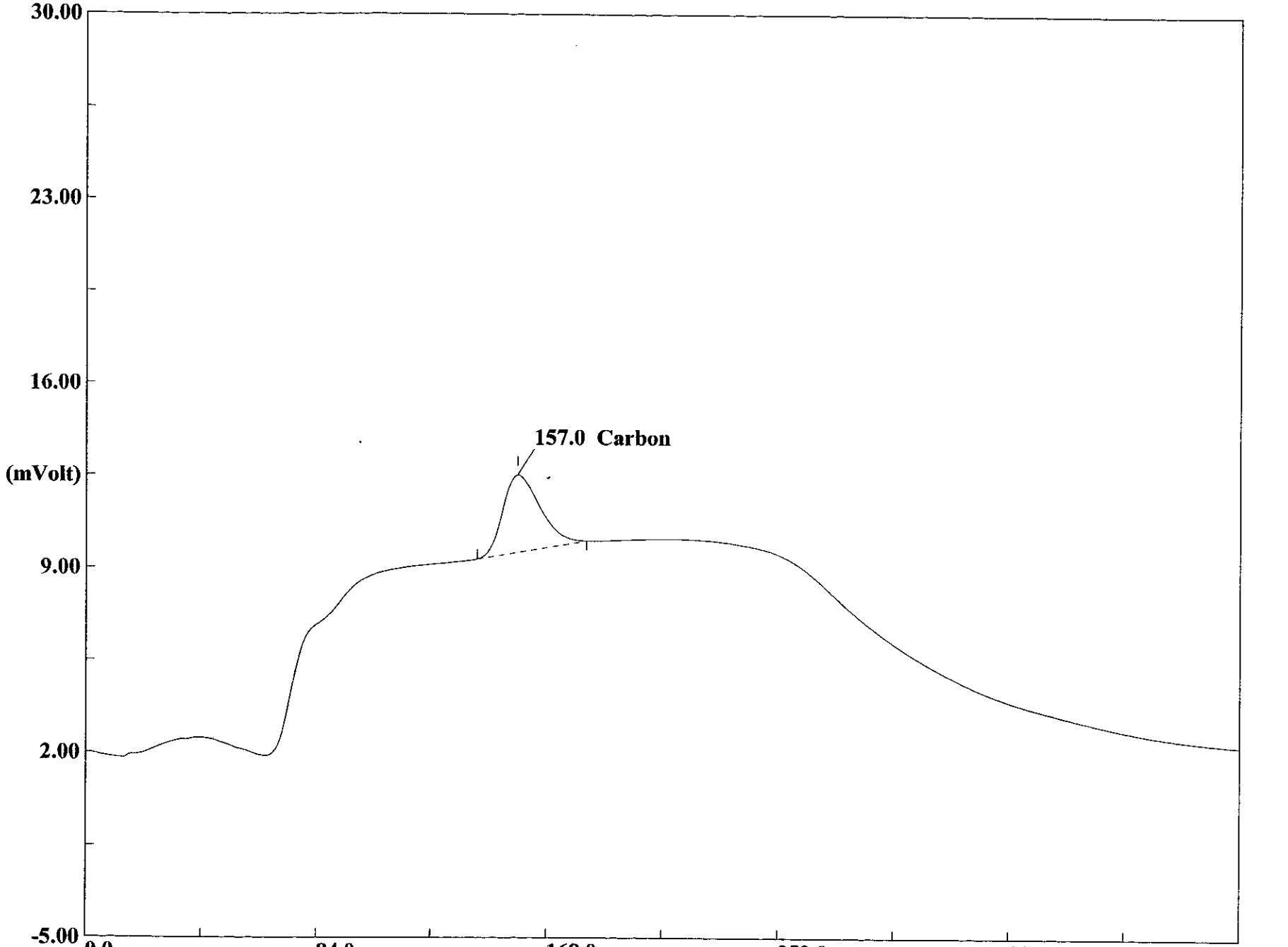
Sample name :l9f371am Analysed :11/04/2010 20:51

C0K030562

4171

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410080.DAT

Sample name :l9f371am Analysed :11/04/2010 20:51

Eager 300 Report

 Sample: 19f371am (A110410080)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410080
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 20:51 Printed : 11/5/2010 10:01
Sample ID : 19f371am (# 61) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 9.6

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.2115	157	459684	mi	1.000000	

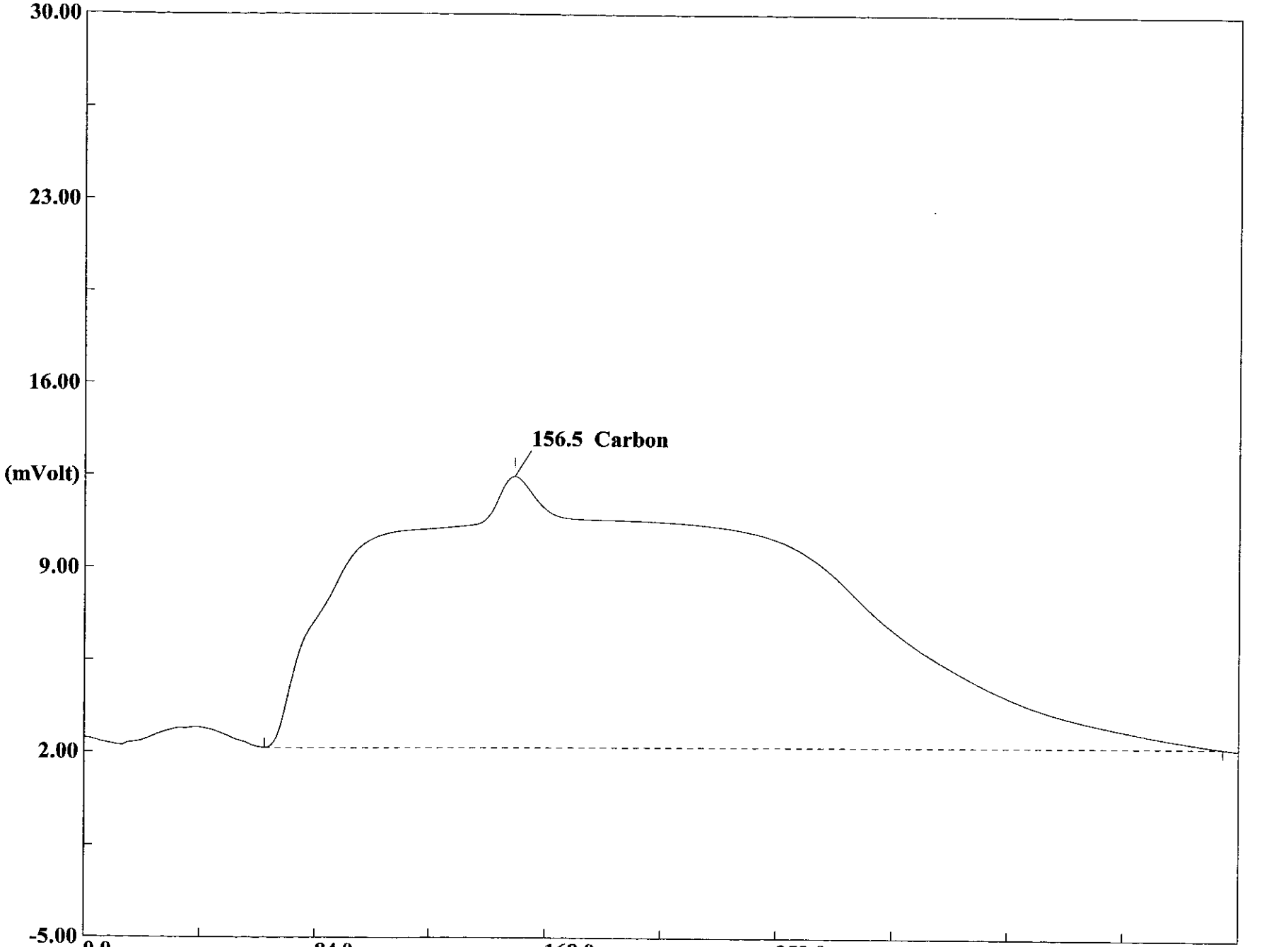
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4173

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410083.DAT

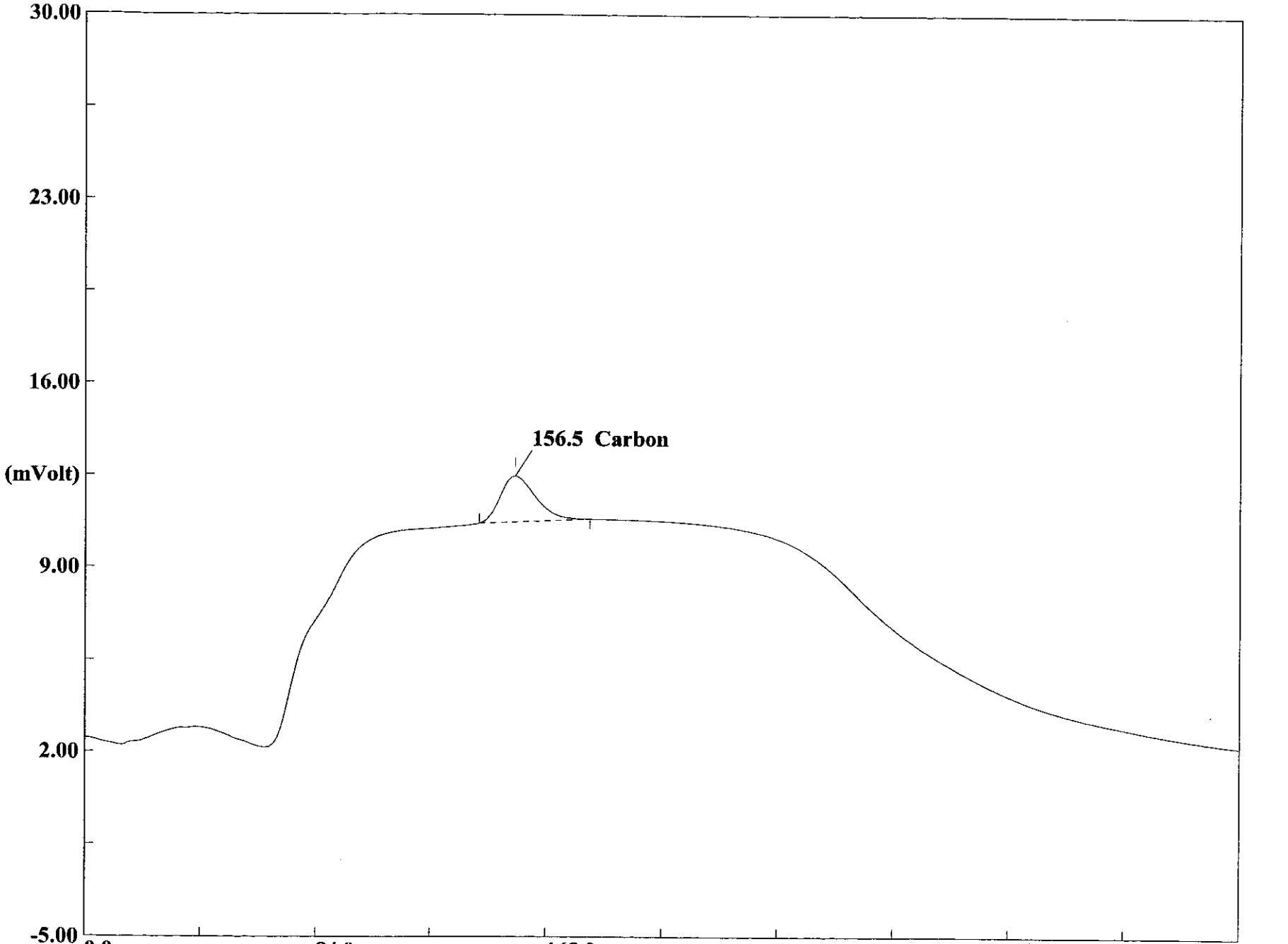
Sample name :l9hh31a6 Analysed :11/04/2010 21:12

C0K030562

4174

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410083.DAT

Sample name :l9hh31a6 Analysed :11/04/2010 21:12

Eager 300 Report

 Sample: 19hh31a6 (A110410083)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410083
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 21:12 Printed : 11/5/2010 10:01
Sample ID : 19hh31a6 (# 62) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 9.5

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.2449	157	259880	mi	1.000000	

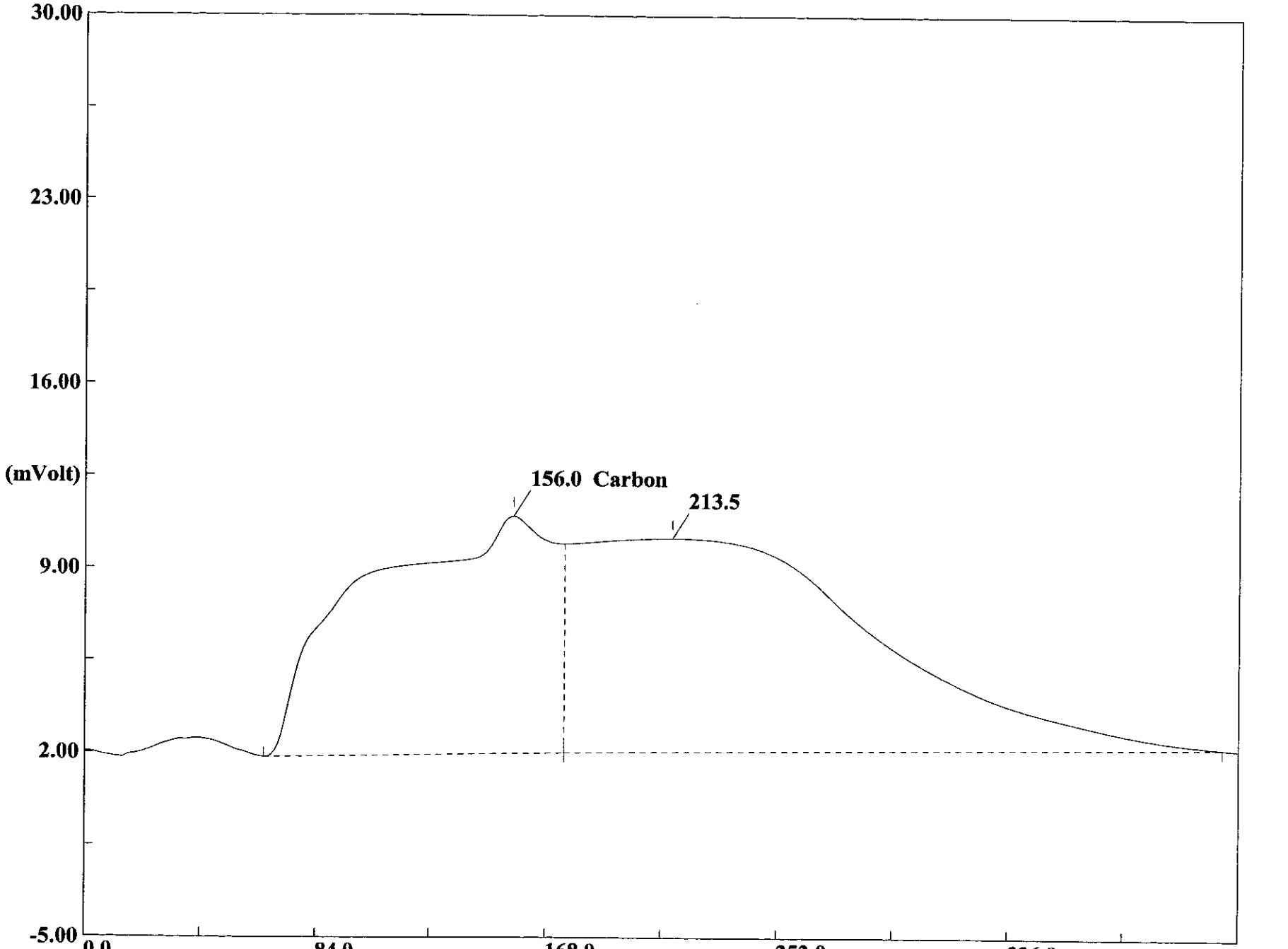
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4176

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410084.DAT

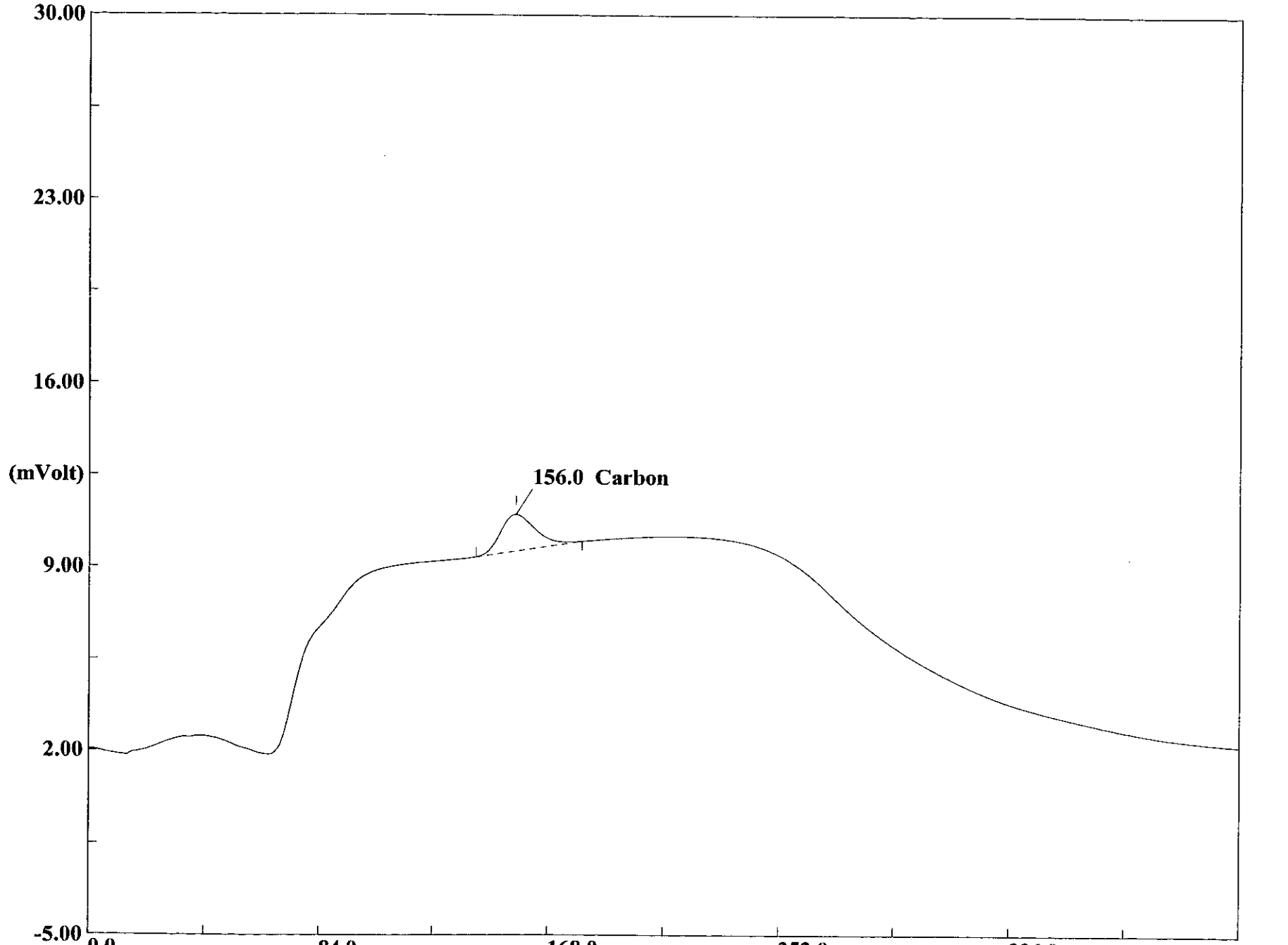
Sample name :l9hh31a6 Analysed :11/04/2010 21:20

C0K030562

4177

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410084.DAT

Sample name :l9hh31a6 Analysed :11/04/2010 21:20

Eager 300 Report

 Sample: 19hh31a6 (A110410084)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410084
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 21:20
Printed : 11/5/2010 10:01
Sample ID : 19hh31a6 (# 63)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 10.7

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8602	156	204152	mi	1.000000	

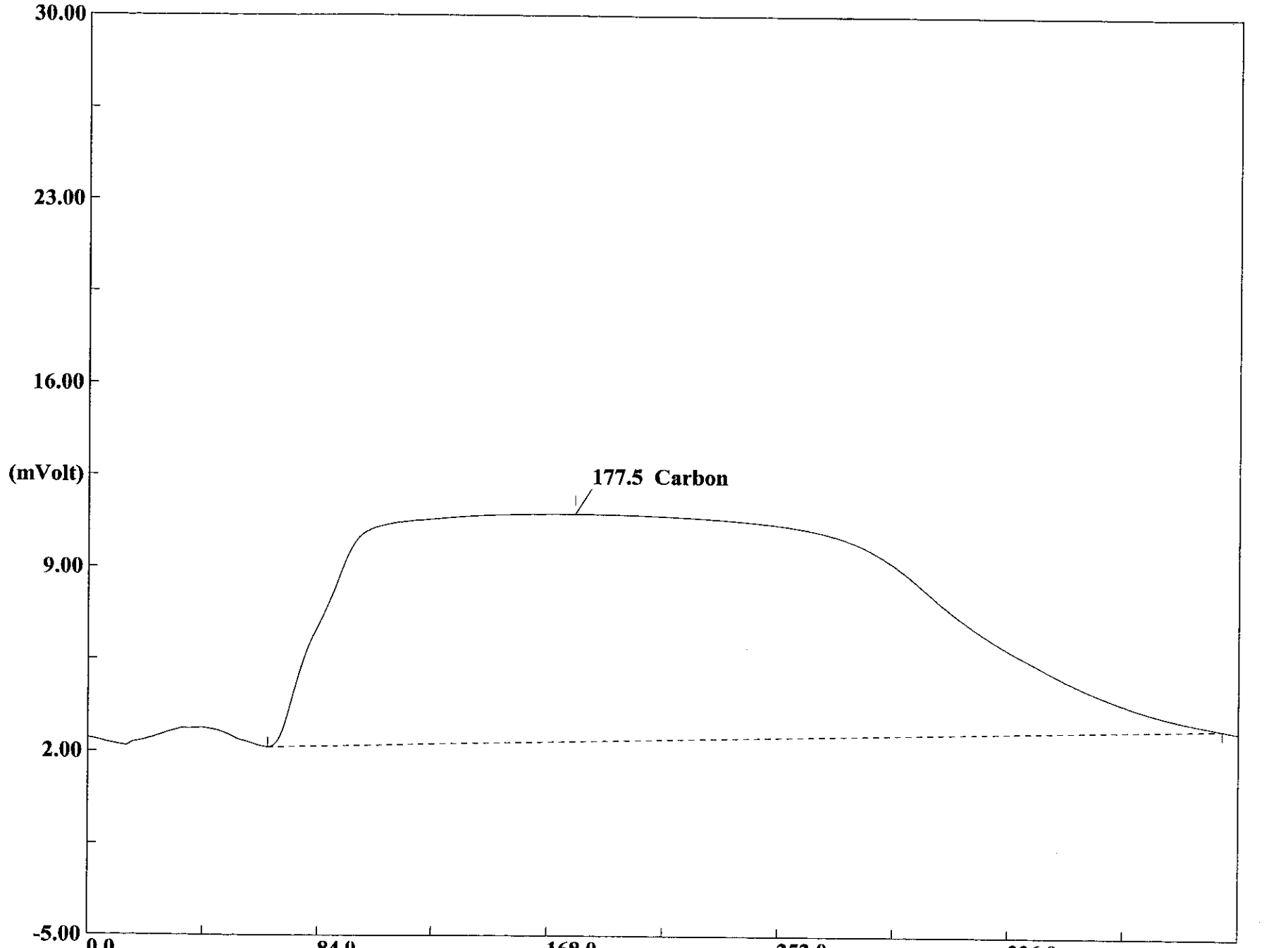
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4179

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410087.DAT

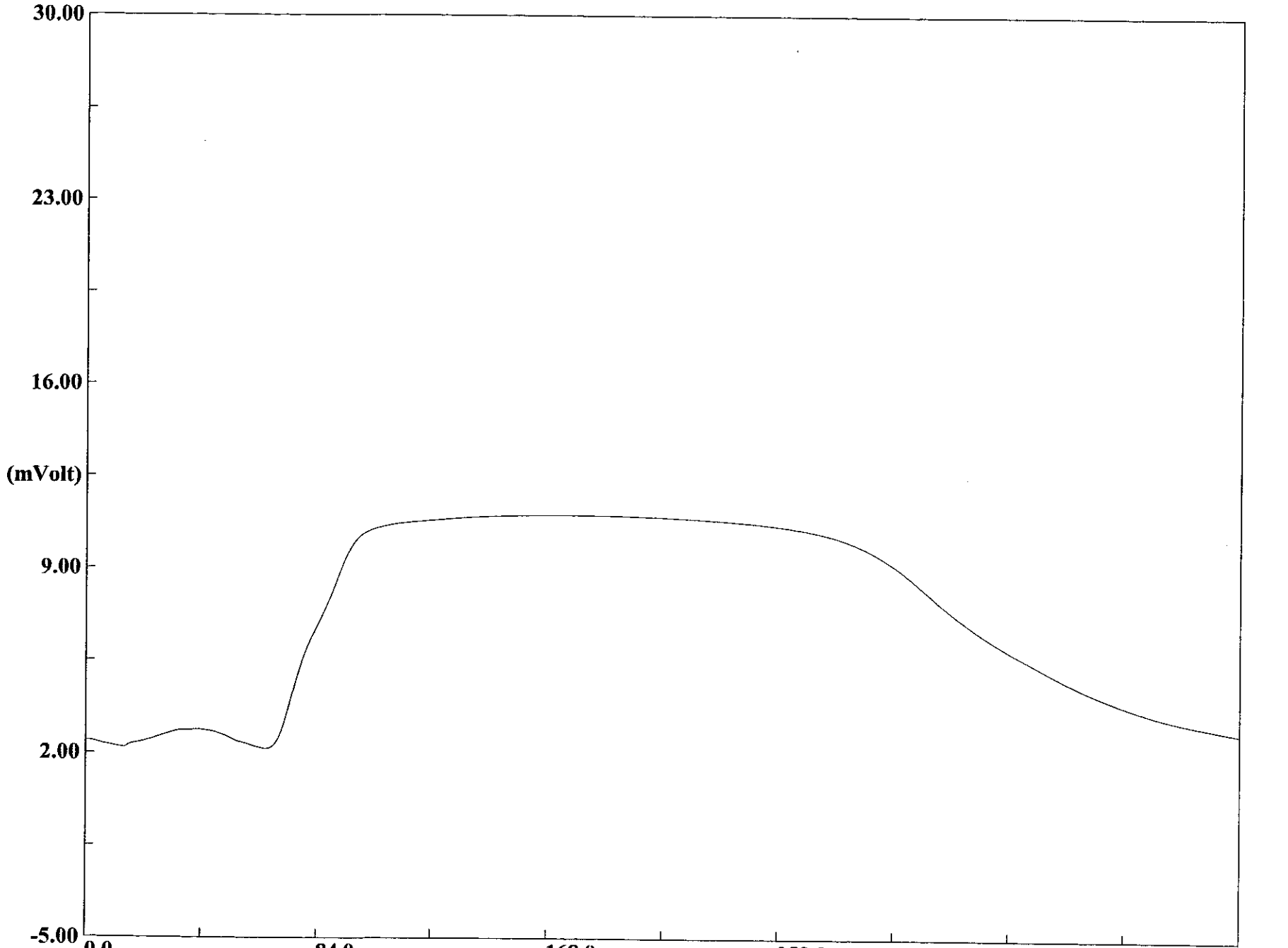
Sample name :ccb Analysed :11/04/2010 21:41

C0K030562

4180

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410087.DAT

Sample name :ccb Analysed :11/04/2010 21:41

Eager 300 Report

Page: 1 Sample: ccb (A110410087)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410087
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 21:41 Printed : 11/5/2010 10:01
Sample ID : ccb (# 64) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

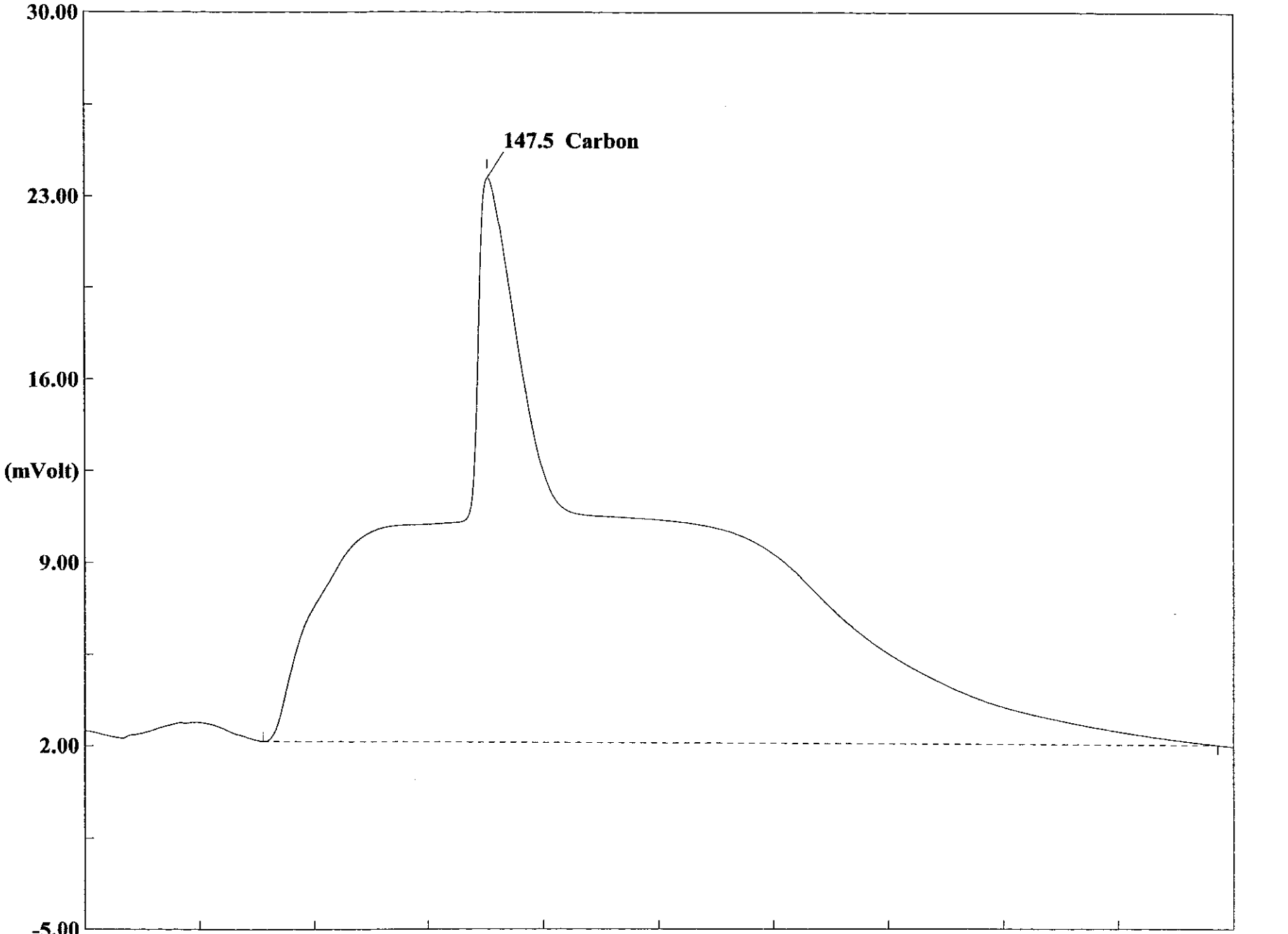
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4182

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw

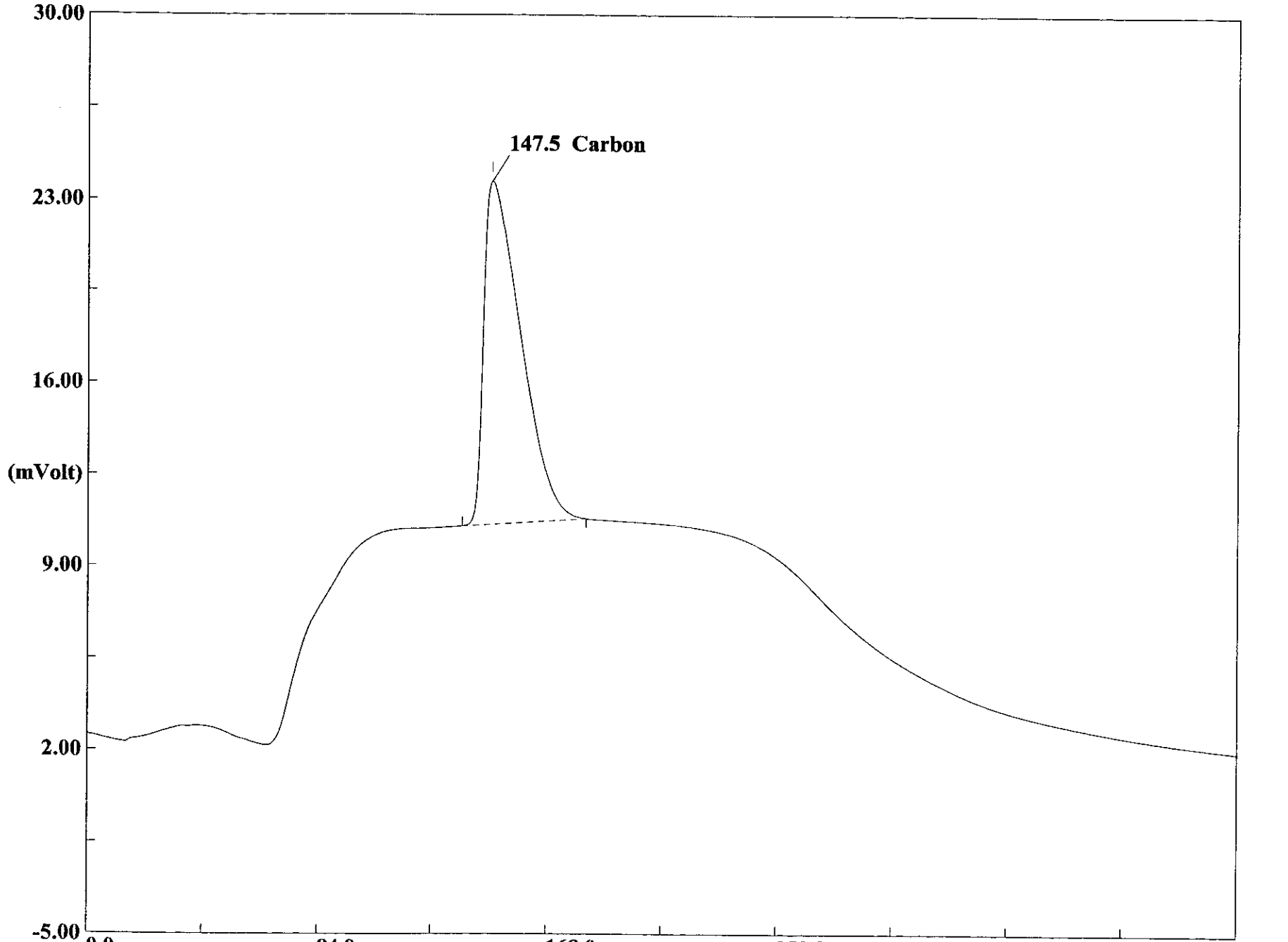


Filename C:\data\January\A110410088.DAT

Sample name :ccv Analysed :11/04/2010 21:49

C0K030562

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410088.DAT
Sample name :ccv Analysed :11/04/2010 21:49

4183

(4001-4267)

Eager 300 Report

Page: 1 Sample: ccv (A110410088)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410088
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 21:49 Printed : 11/5/2010 10:01
Sample ID : ccv (# 65) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9544	148	2036493	mi	1.000000	

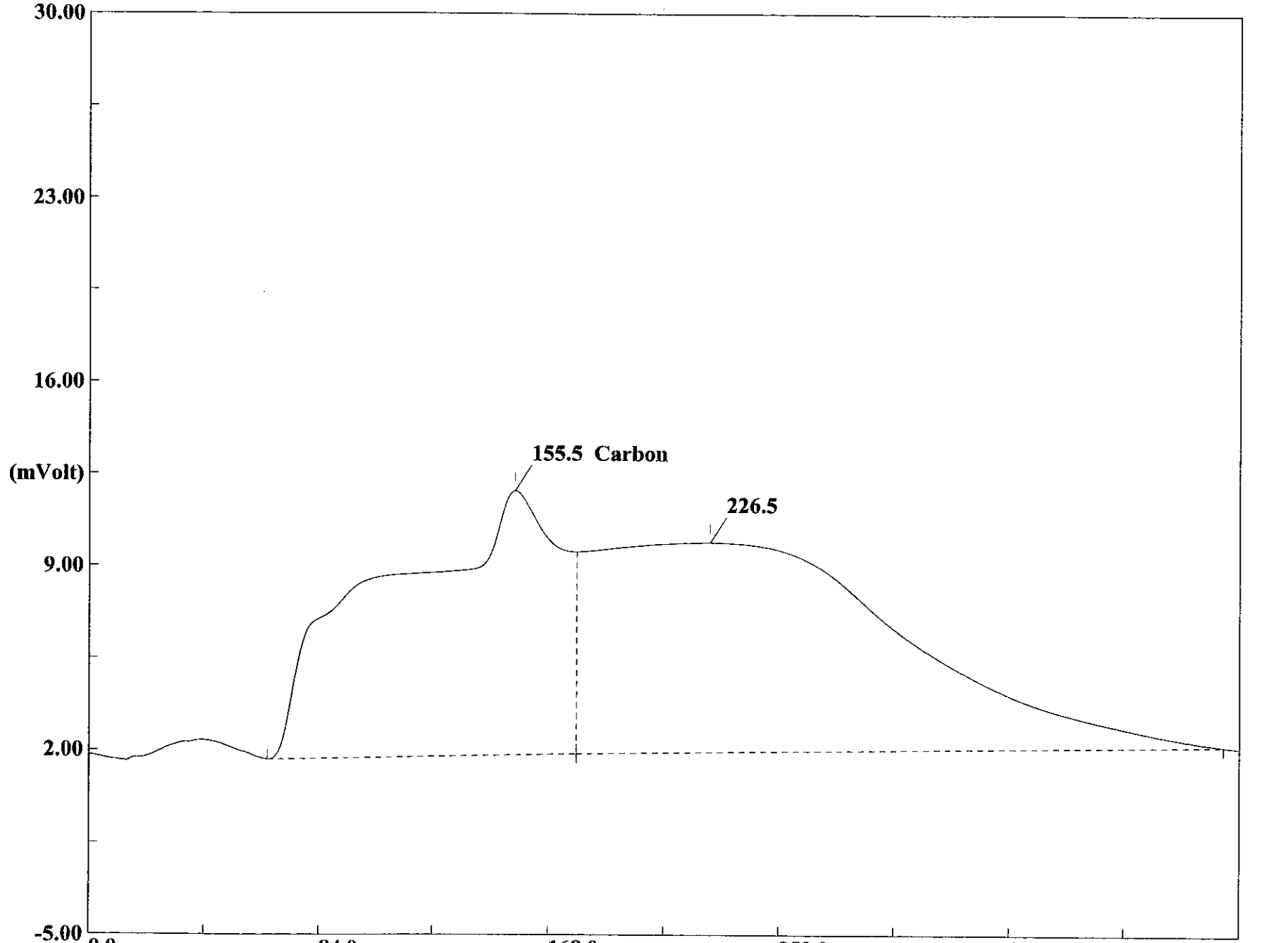
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4185

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410089.DAT

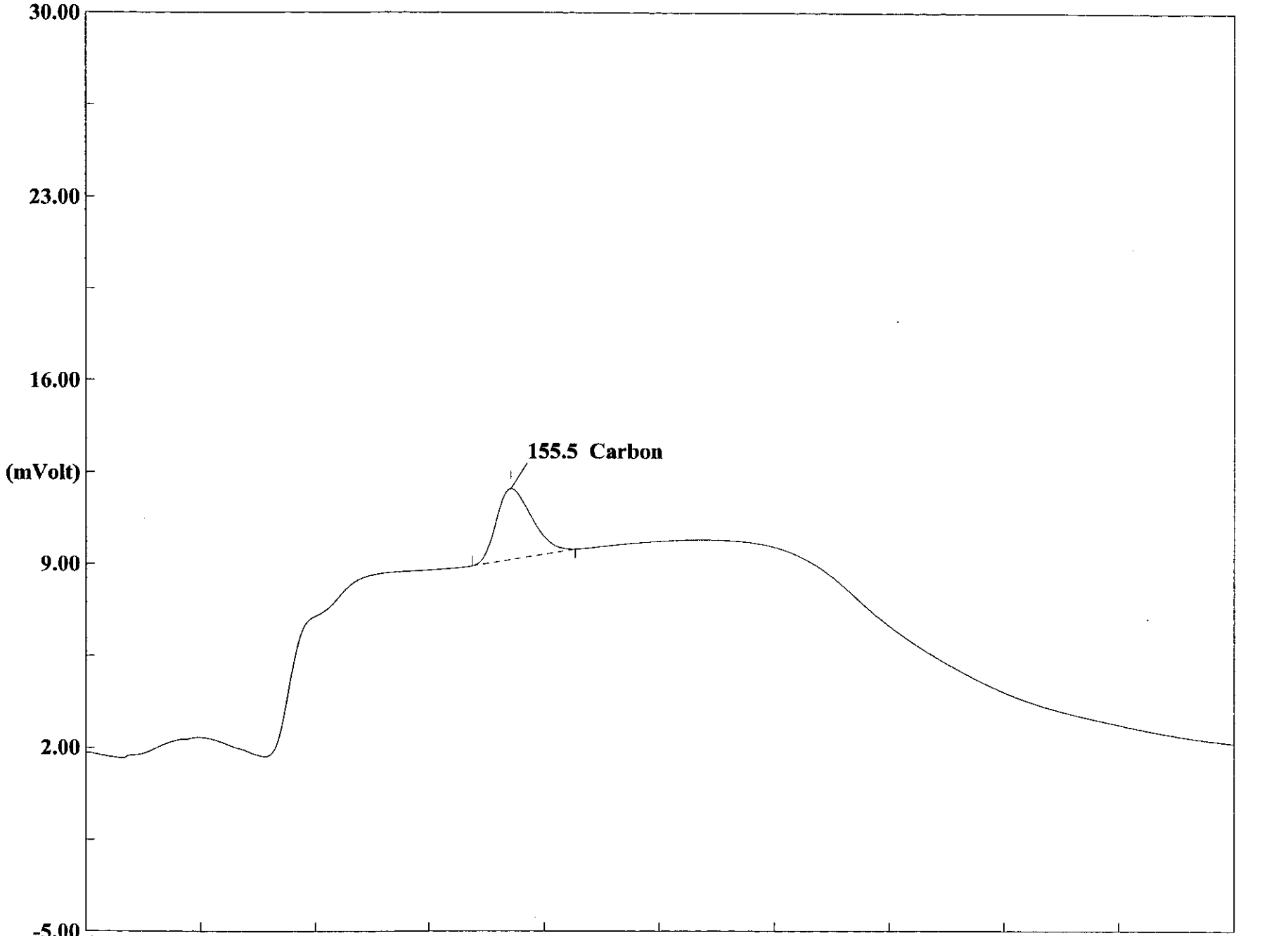
Sample name :l9hh61ah Analysed :11/04/2010 21:56

C0K030562

4186

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410089.DAT

Sample name :l9hh61ah Analysed :11/04/2010 21:56

Eager 300 Report

Page: 1 Sample: 19hh61ah (A110410089)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410089
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 21:56 Printed : 11/5/2010 10:01
Sample ID : 19hh61ah (# 66) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 9.8

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.9119	156	406704	mi	1.000000	

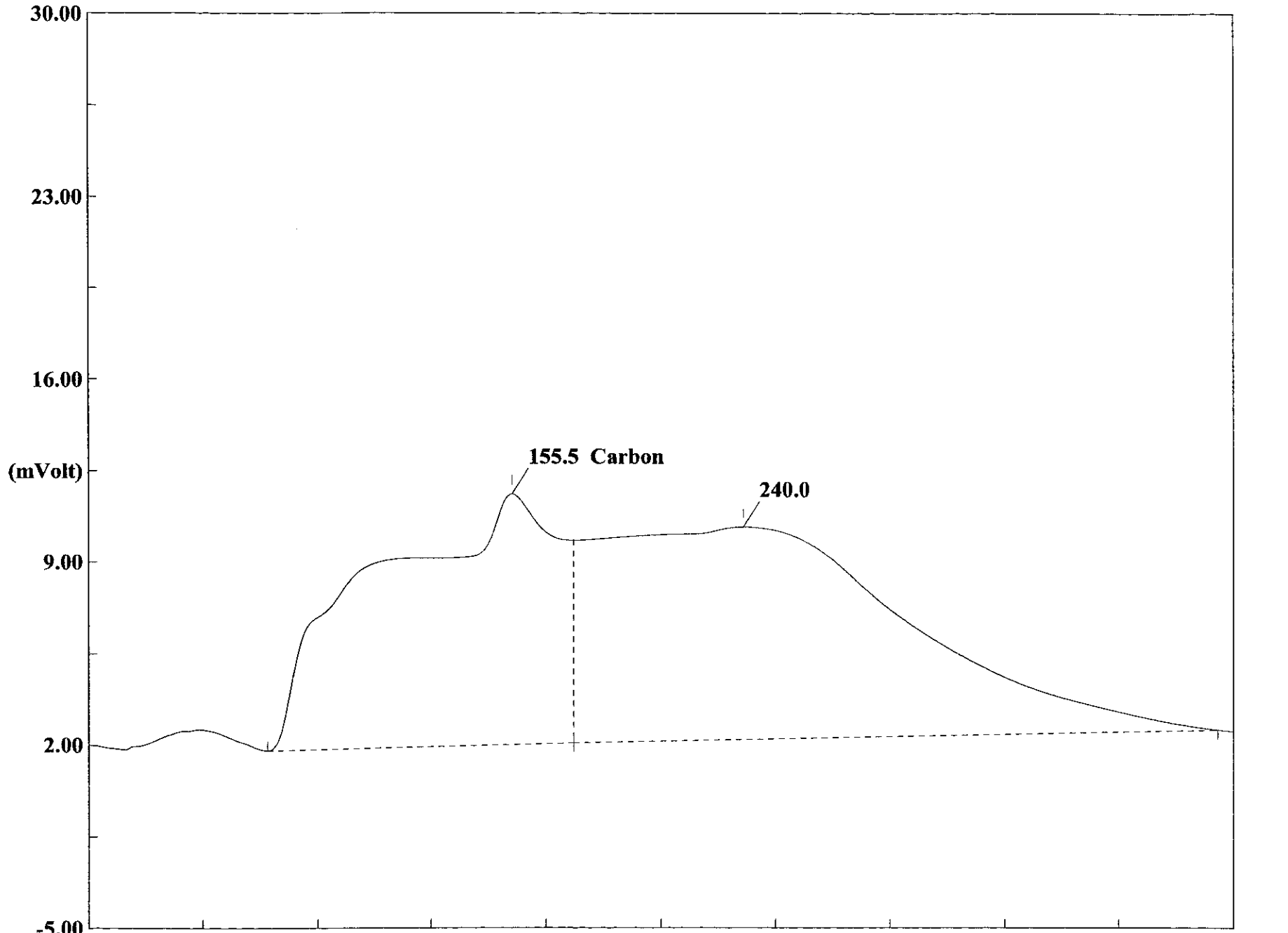
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4188

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410090.DAT

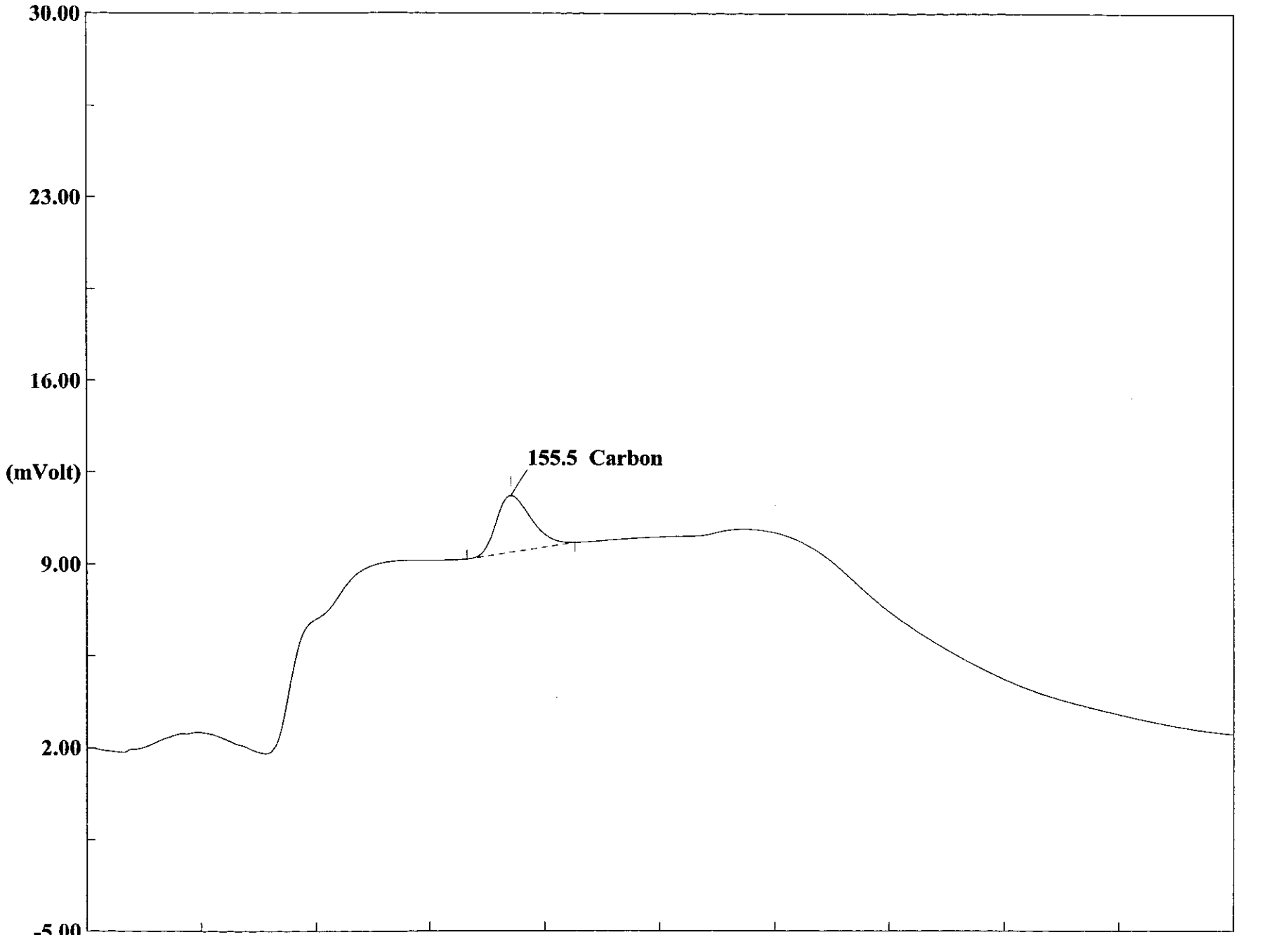
Sample name :l9hh61ah Analysed :11/04/2010 22:03

C0K030562

4189

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410090.DAT

Sample name :l9hh61ah Analysed :11/04/2010 22:03

Eager 300 Report

Page: 1 Sample: 19hh61ah (A110410090)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410090
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 22:03 Printed : 11/5/2010 10:01
Sample ID : 19hh61ah (# 67) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 9.3

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.5782	156	320454	mi	1.000000	

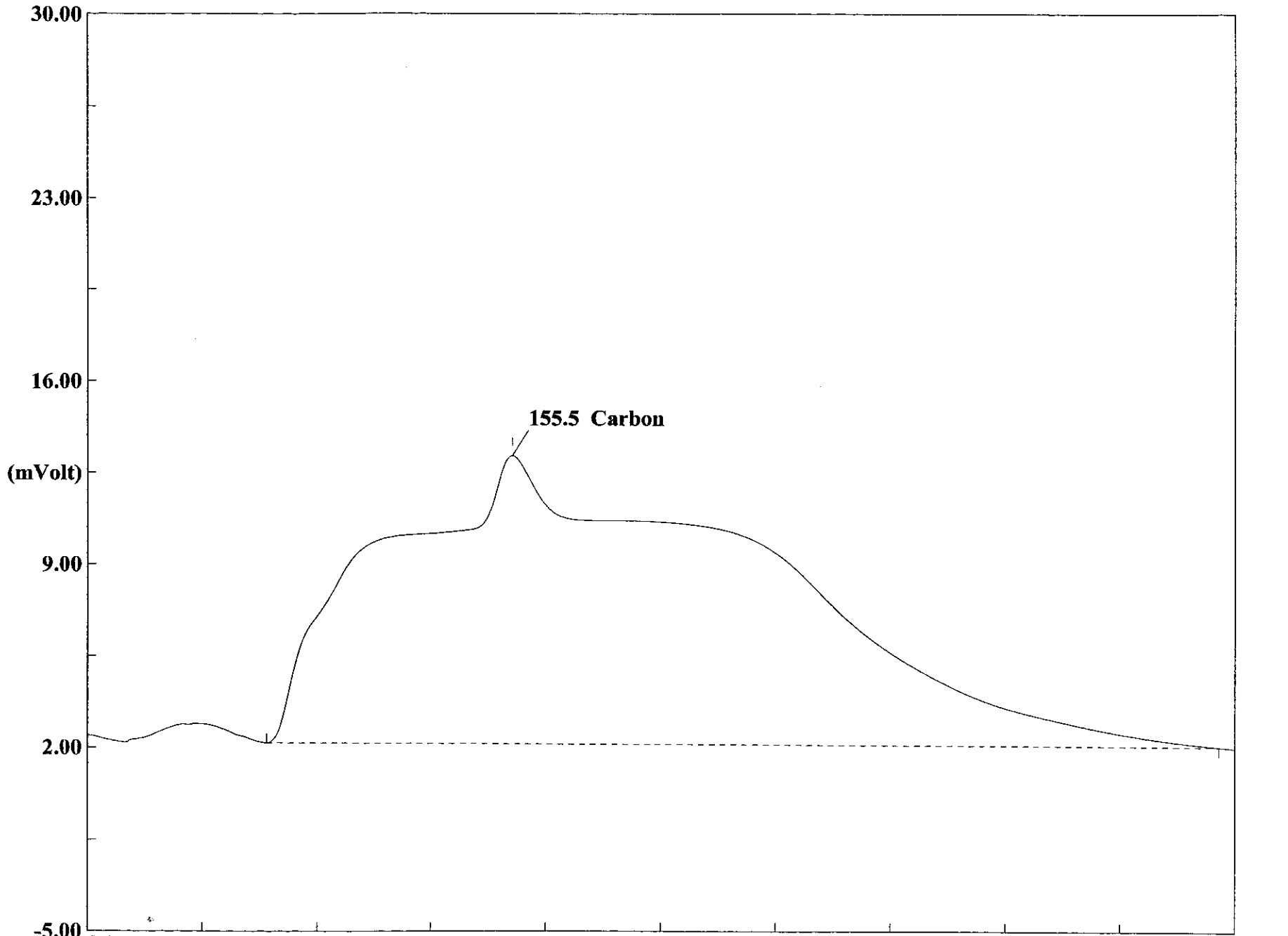
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4191

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410093.DAT

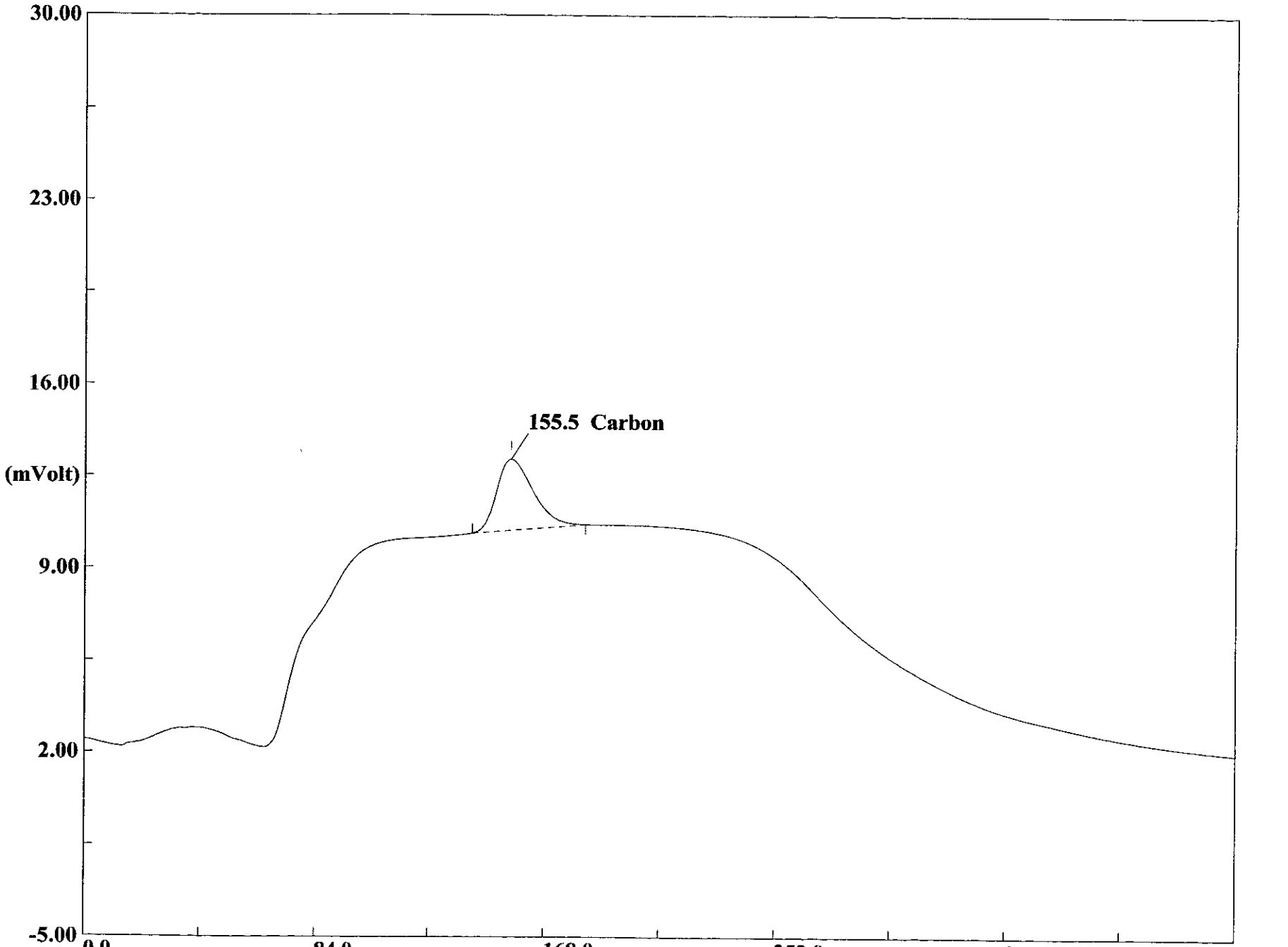
Sample name :l9hh81ah Analysed :11/04/2010 22:25

C0K030562

4192

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410093.DAT

Sample name :l9hh81ah Analysed :11/04/2010 22:25

Eager 300 Report

 Sample: 19hh81ah (A110410093)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410093
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 22:25 Printed : 11/5/2010 10:01
Sample ID : 19hh81ah (# 68) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.6

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.7935	156	412532	mi	1.000000	

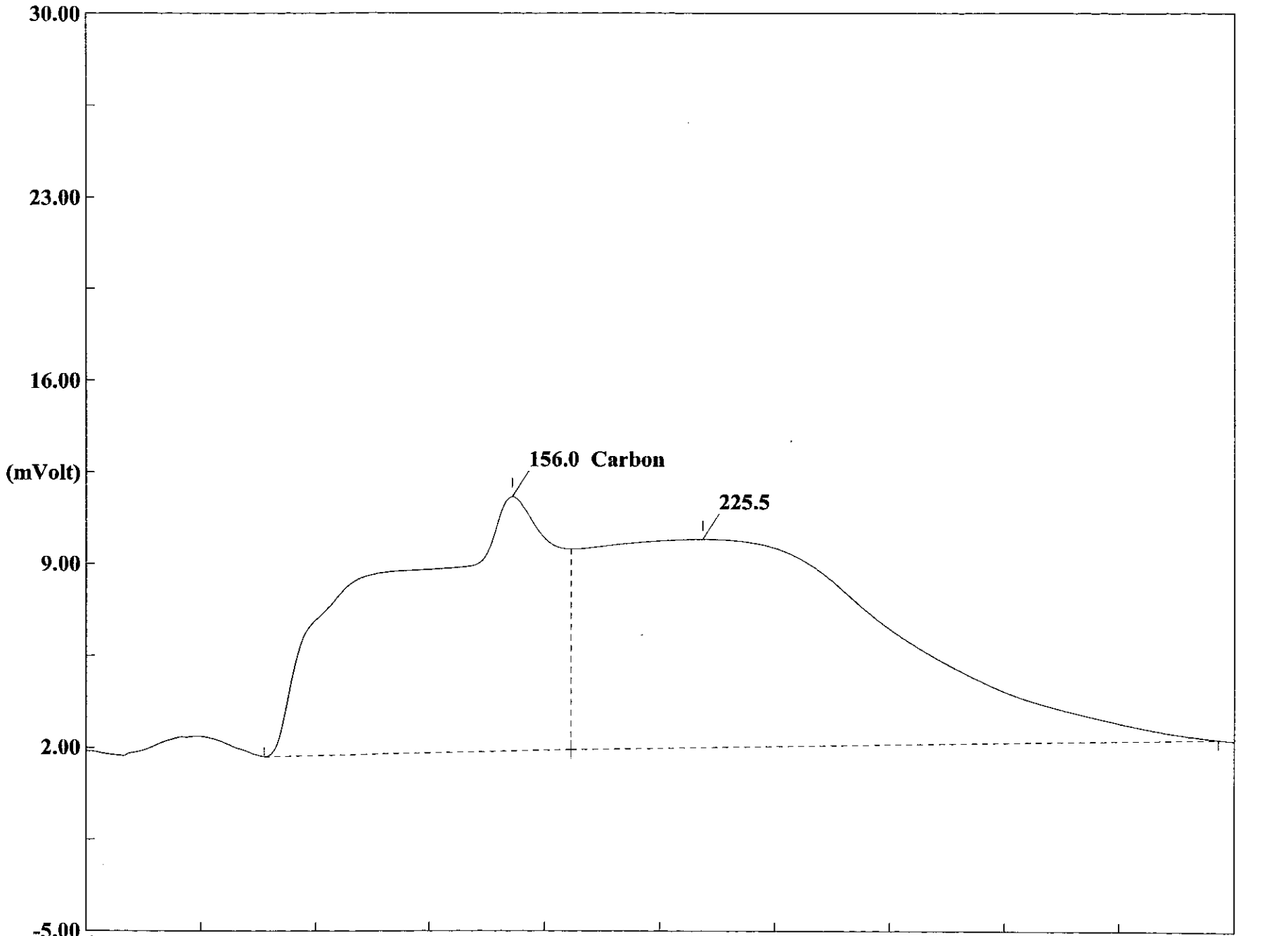
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4194

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



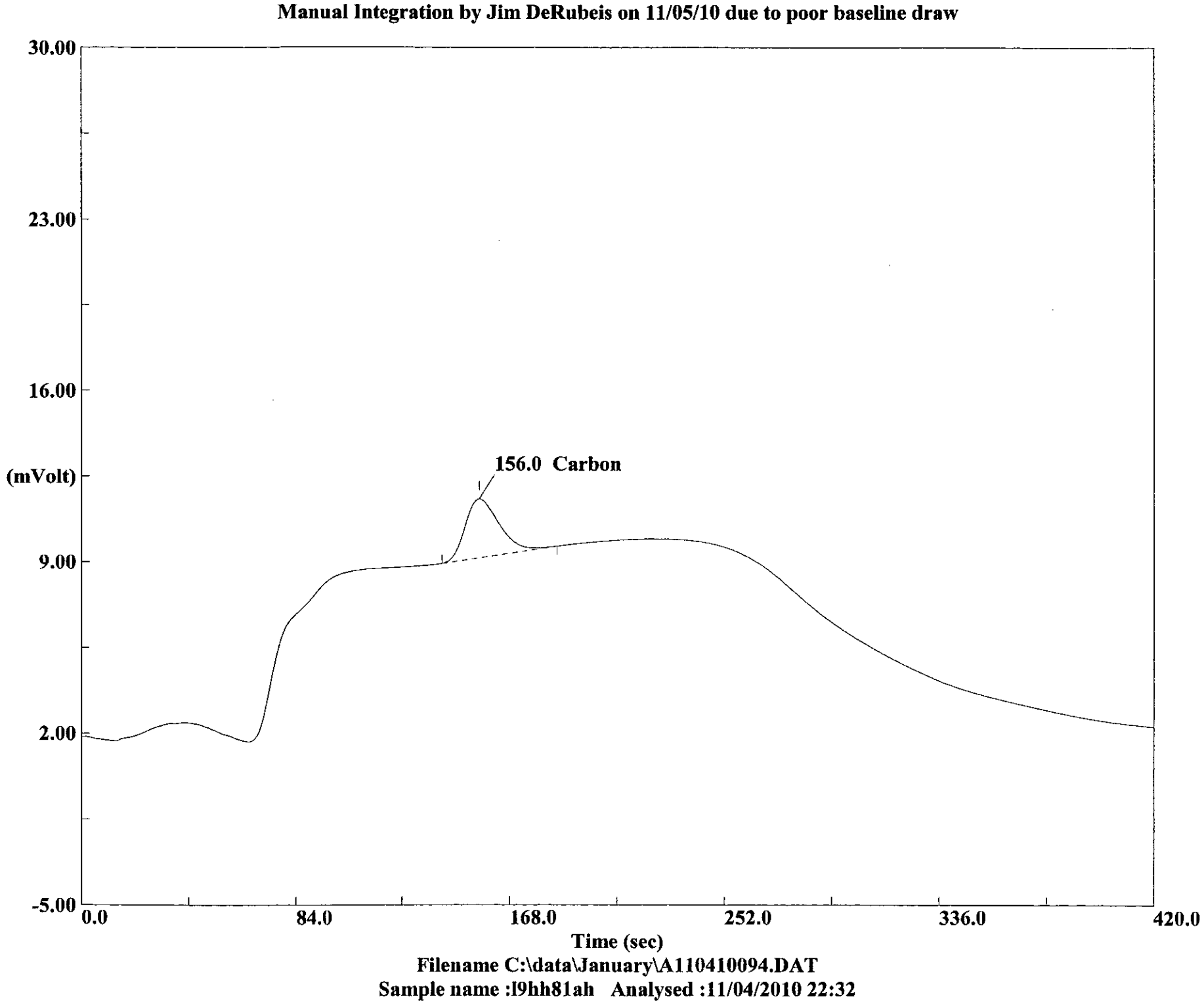
Filename C:\data\January\A110410094.DAT

Sample name :l9hh81ah Analysed :11/04/2010 22:32

C0K030562

4195

(4001-4267)



Eager 300 Report

Page: 1 Sample: 19hh81ah (A110410094)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410094
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 22:32 Printed : 11/5/2010 10:01
Sample ID : 19hh81ah (# 69) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.4

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.6261	156	367913	mi	1.000000	

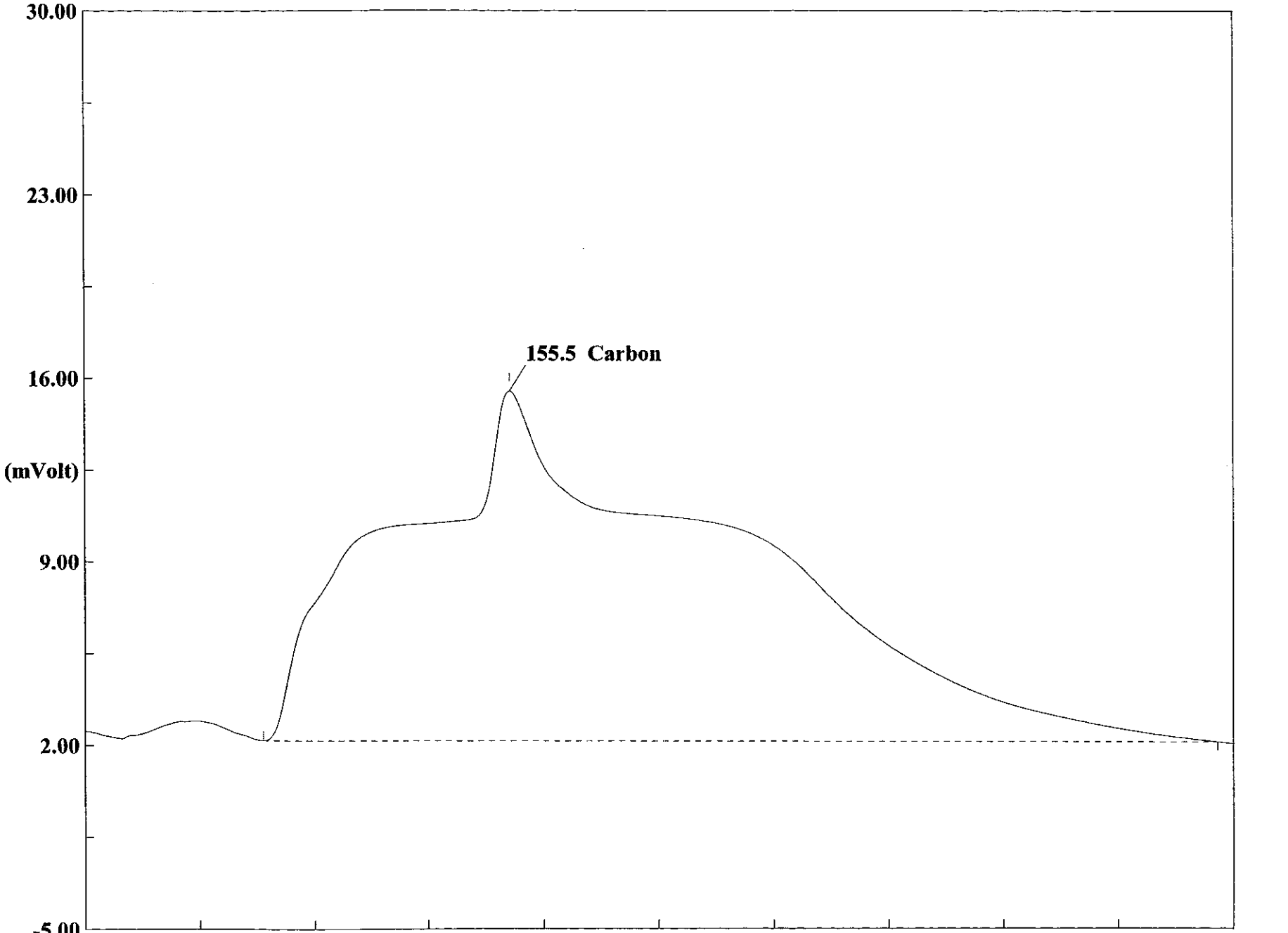
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4197

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410097.DAT

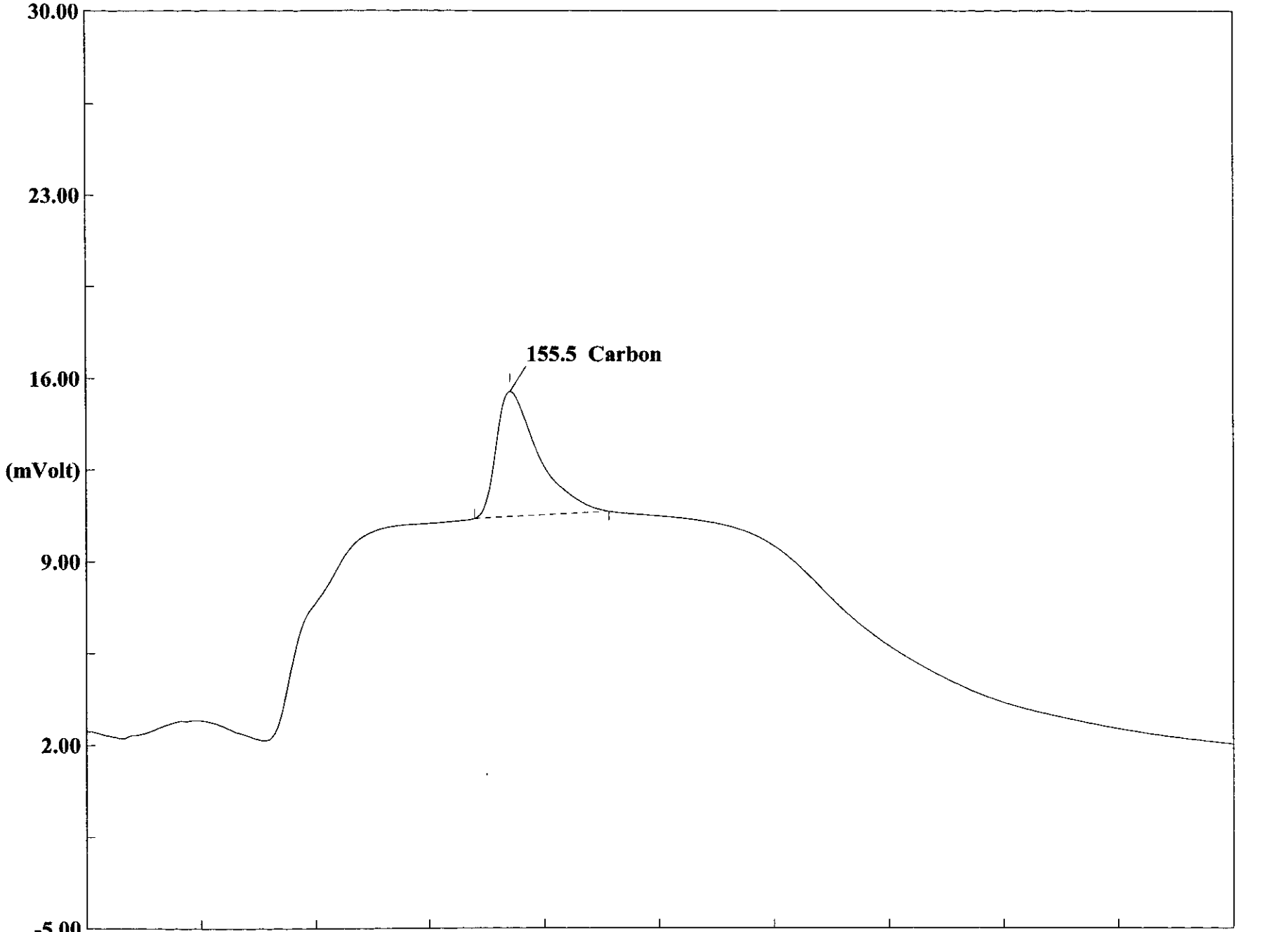
Sample name :l9hh91ah Analysed :11/04/2010 22:54

C0K030562

4198

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410097.DAT

Sample name :l9hh91ah Analysed :11/04/2010 22:54

Eager 300 Report

Page: 1 Sample: 19hh91ah (A110410097)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410097
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 22:54 Printed : 11/5/2010 10:01
Sample ID : 19hh91ah (# 70) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.9

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	3.6279	156	848814	mi	1.000000	

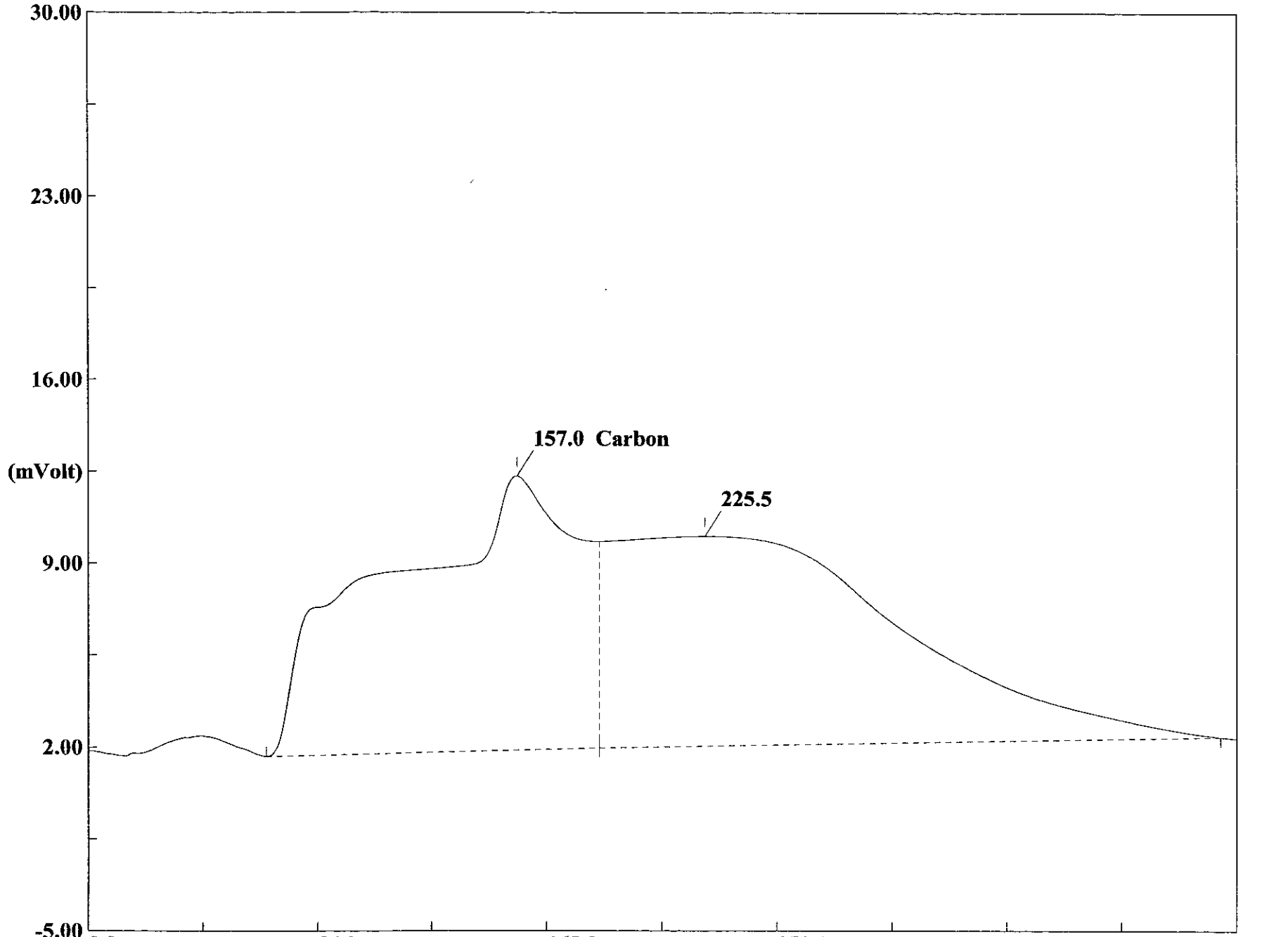
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4200

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410098.DAT

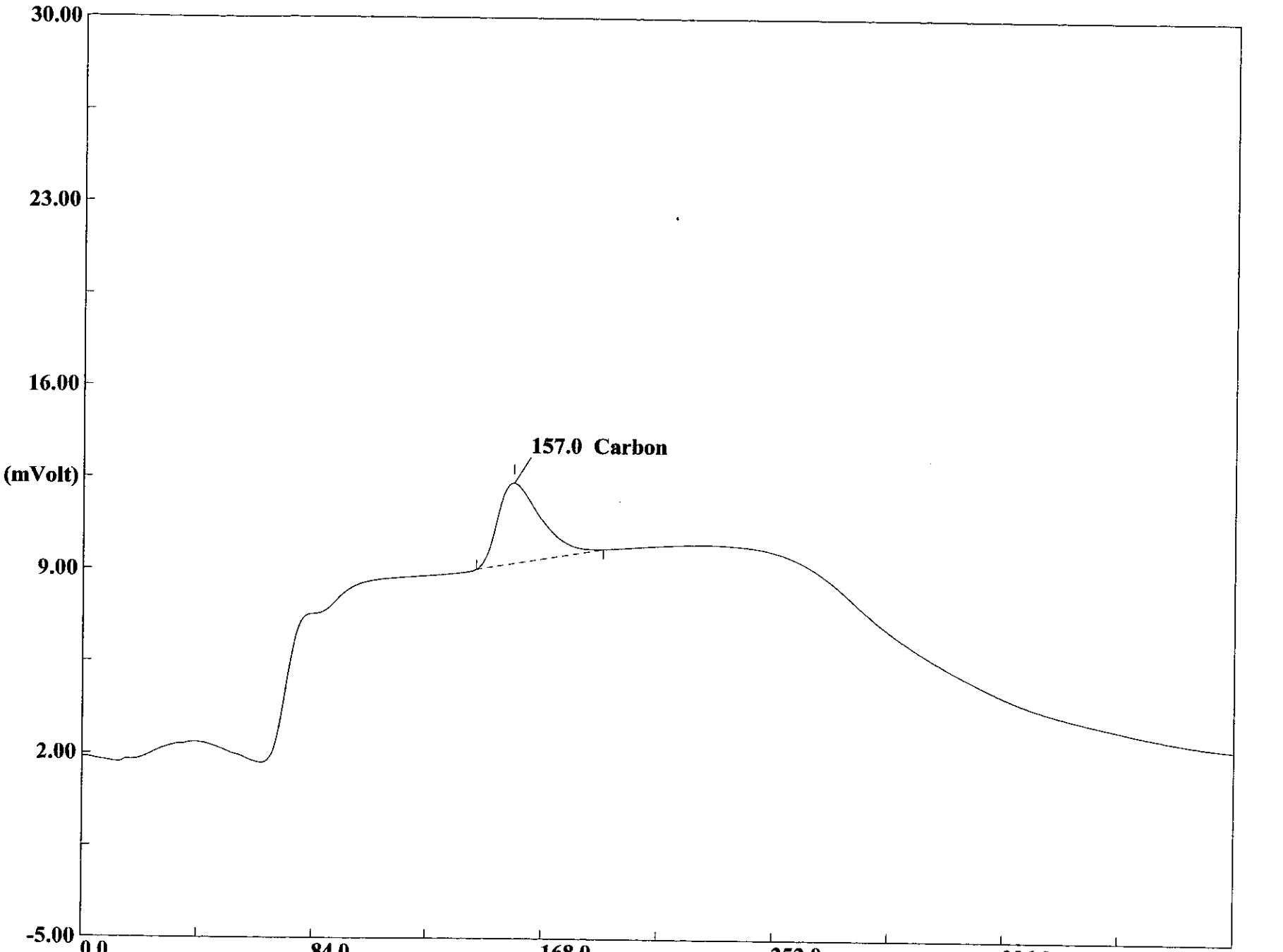
Sample name :l9hh91ah Analysed :11/04/2010 23:01

C0K030562

4201

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410098.DAT

Sample name :l9hh91ah Analysed :11/04/2010 23:01

Eager 300 Report

Page: 1 Sample: l9hh91ah (A110410098)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410098
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 23:01 Printed : 11/5/2010 10:01
Sample ID : l9hh91ah (# 71) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.3

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.4750	157	550234	mi	1.000000	

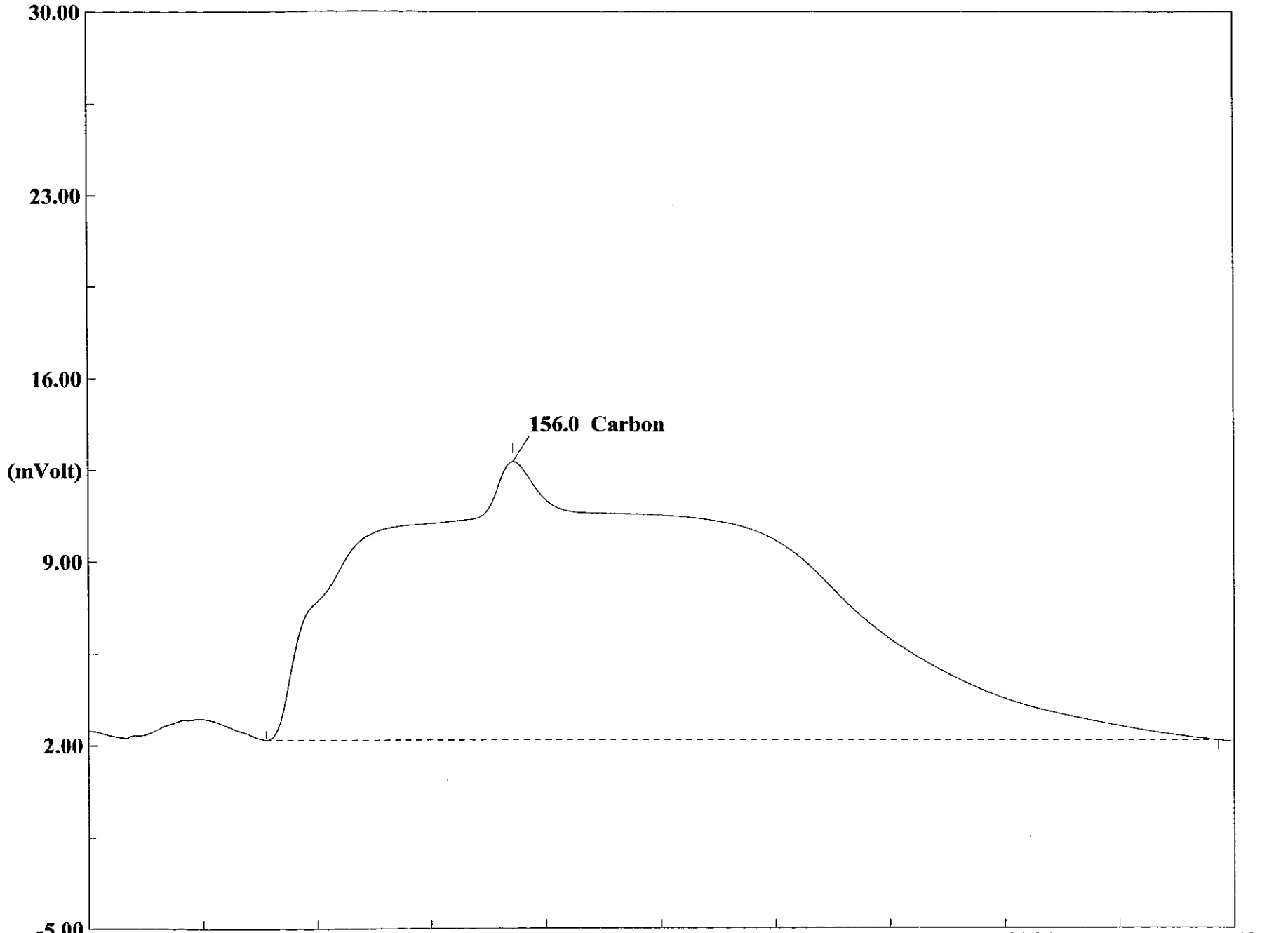
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4203

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410101.DAT

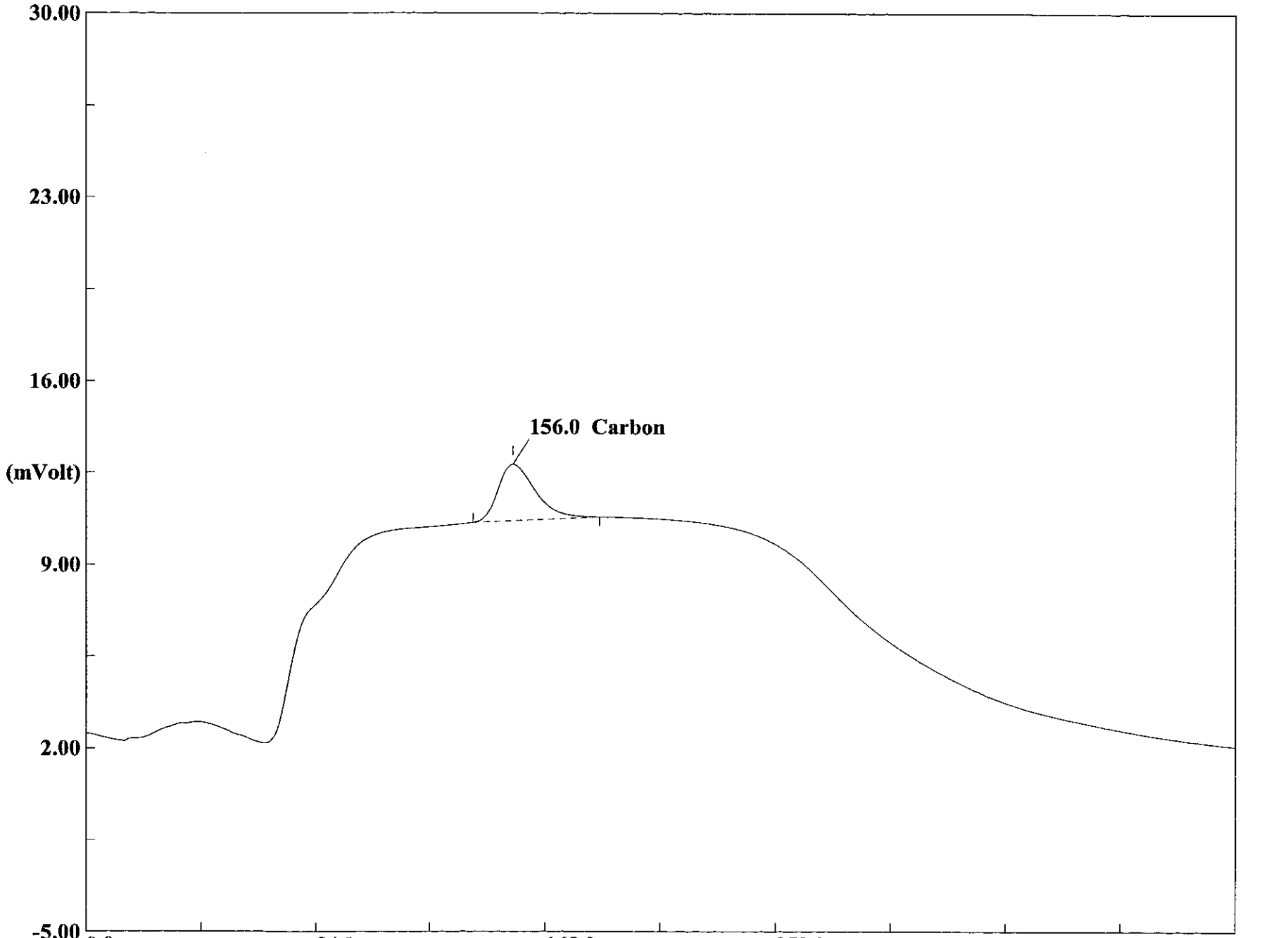
Sample name :l9hjc1ah Analysed :11/04/2010 23:23

C0K030562

4204

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410101.DAT

Sample name :l9hjc1ah Analysed :11/04/2010 23:23

Eager 300 Report

Page: 1 Sample: l9hjc1ah (A110410101)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410101
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 23:23 Printed : 11/5/2010 10:01
Sample ID : l9hjc1ah (# 72) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 9.7

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.5819	156	334618	mi	1.000000	

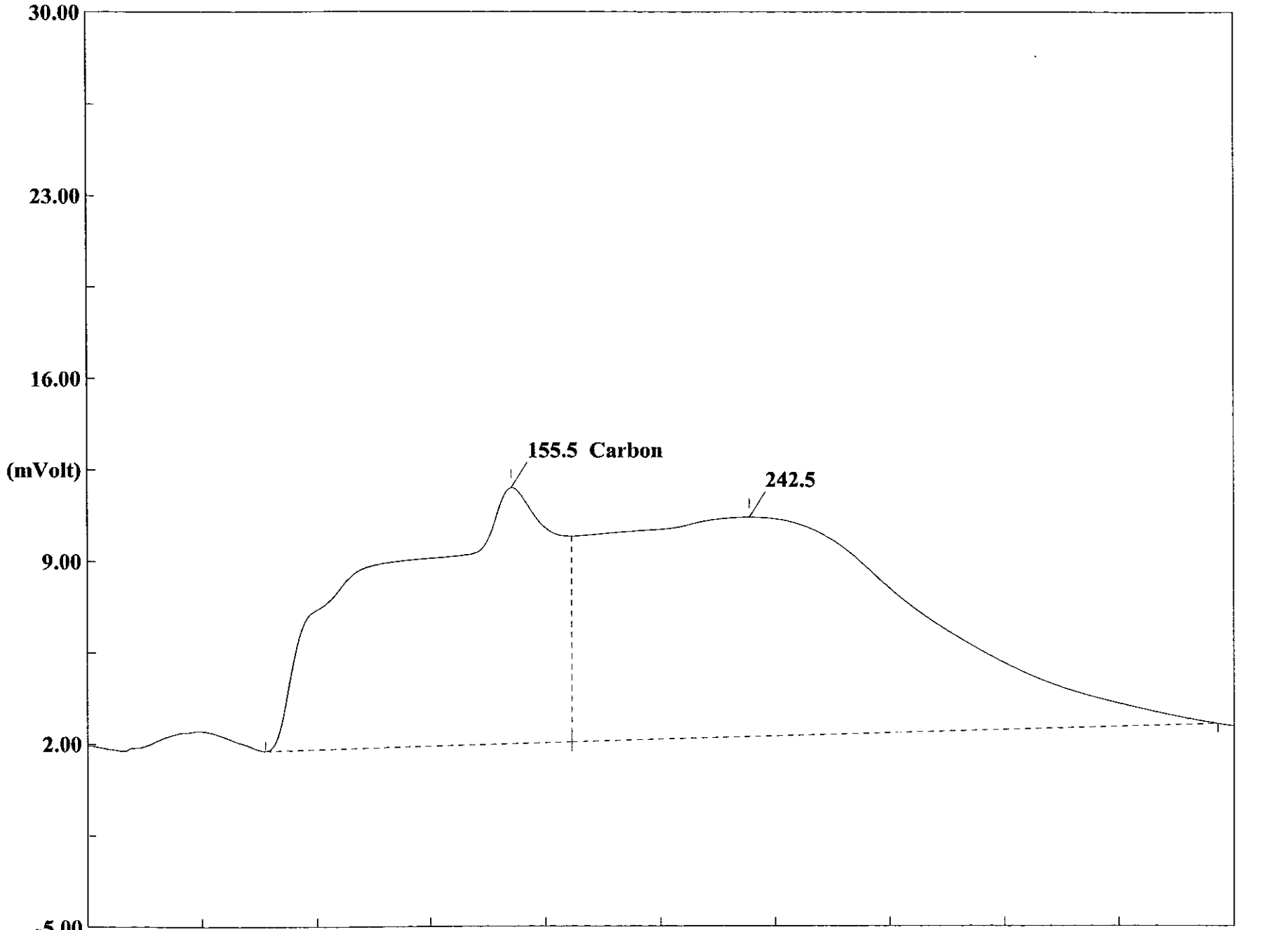
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4206

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410102.DAT

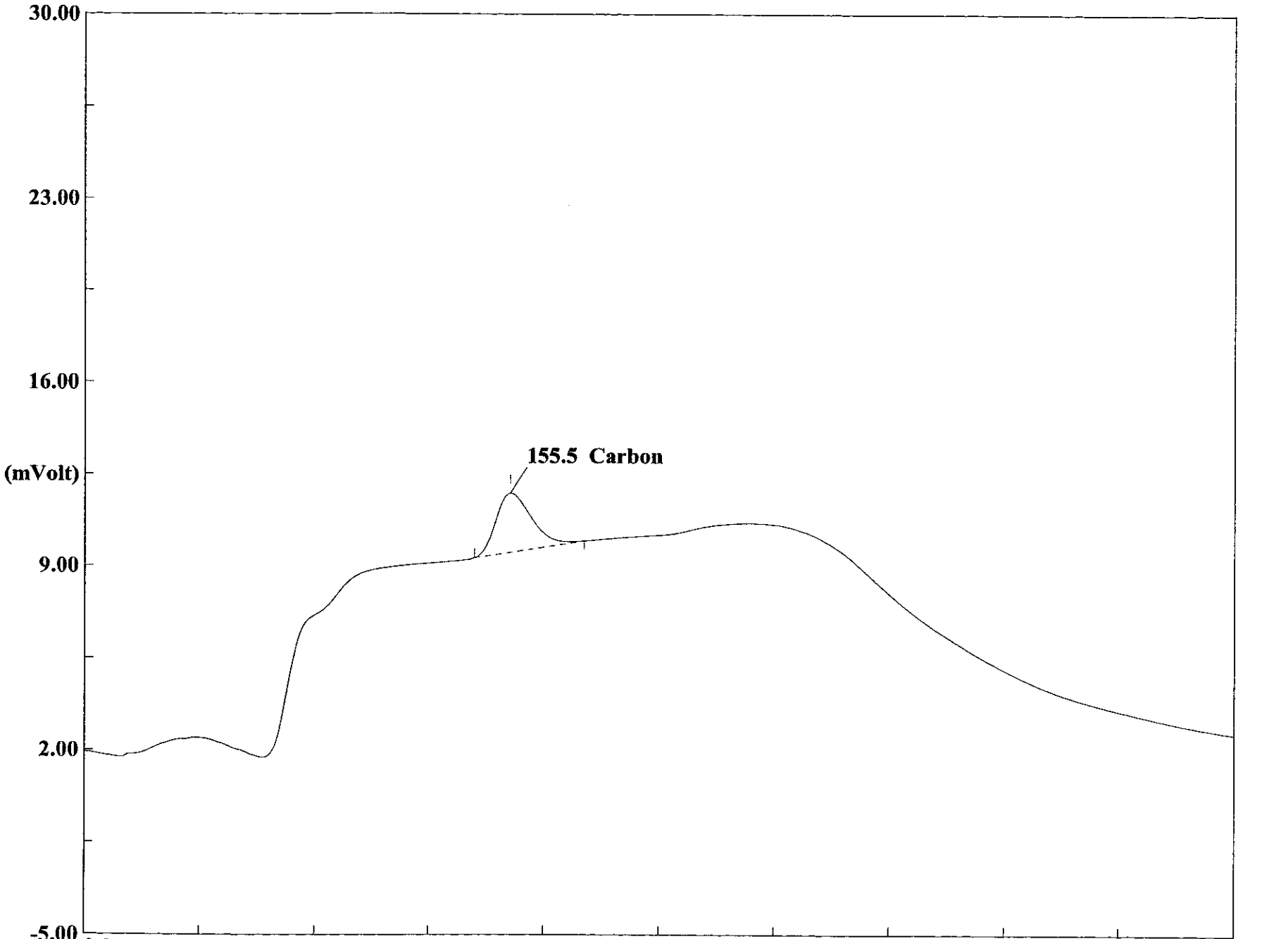
Sample name :l9hjc1ah Analysed :11/04/2010 23:30

C0K030562

4207

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410102.DAT

Sample name :l9hjc1ah Analysed :11/04/2010 23:30

Eager 300 Report

Page: 1 Sample: 19hjc1ah (A110410102)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410102
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 23:30 Printed : 11/5/2010 10:01
Sample ID : 19hjc1ah (# 73) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.6

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.4718	156	340085	mi	1.000000	

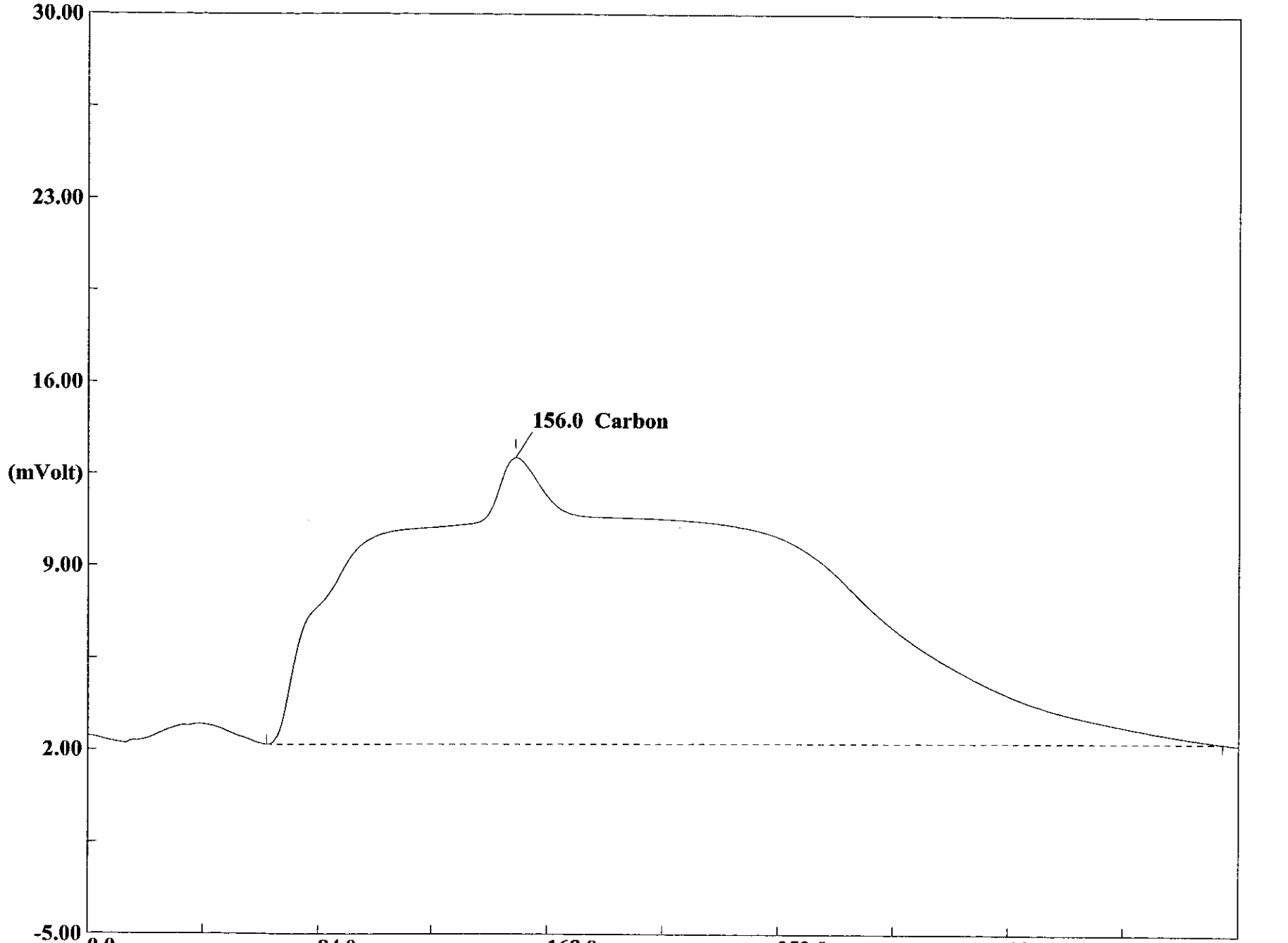
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4209

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410105.DAT

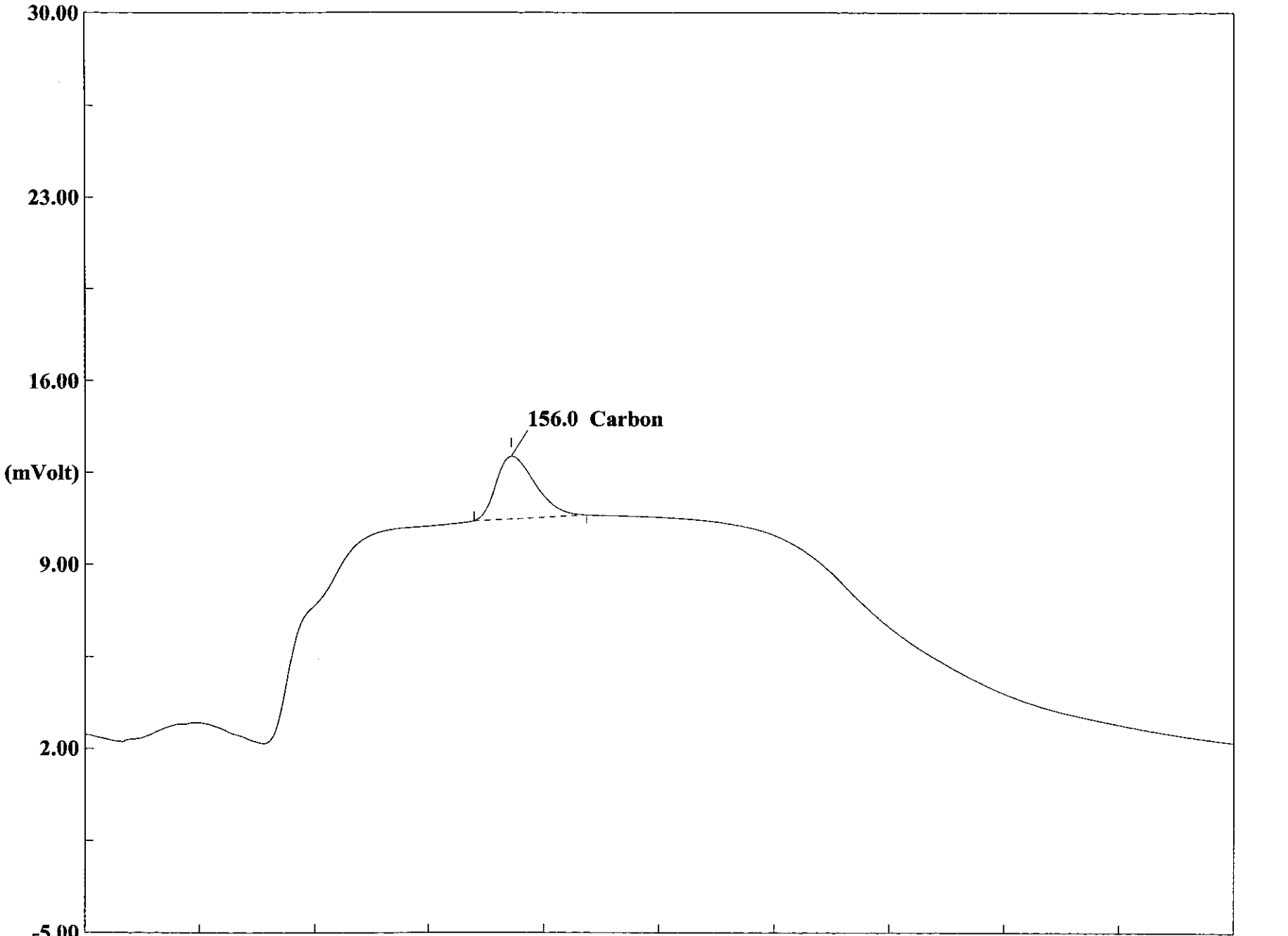
Sample name :l9hjd1ah Analysed :11/04/2010 23:52

C0K030562

4210

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410105.DAT

Sample name :l9hjd1ah Analysed :11/04/2010 23:52

Eager 300 Report

 Sample: l9hjdlah (A110410105)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410105
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 23:52 Printed : 11/5/2010 10:01
Sample ID : l9hjdlah (# 74) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.2

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.7820	156	394803	mi	1.000000	

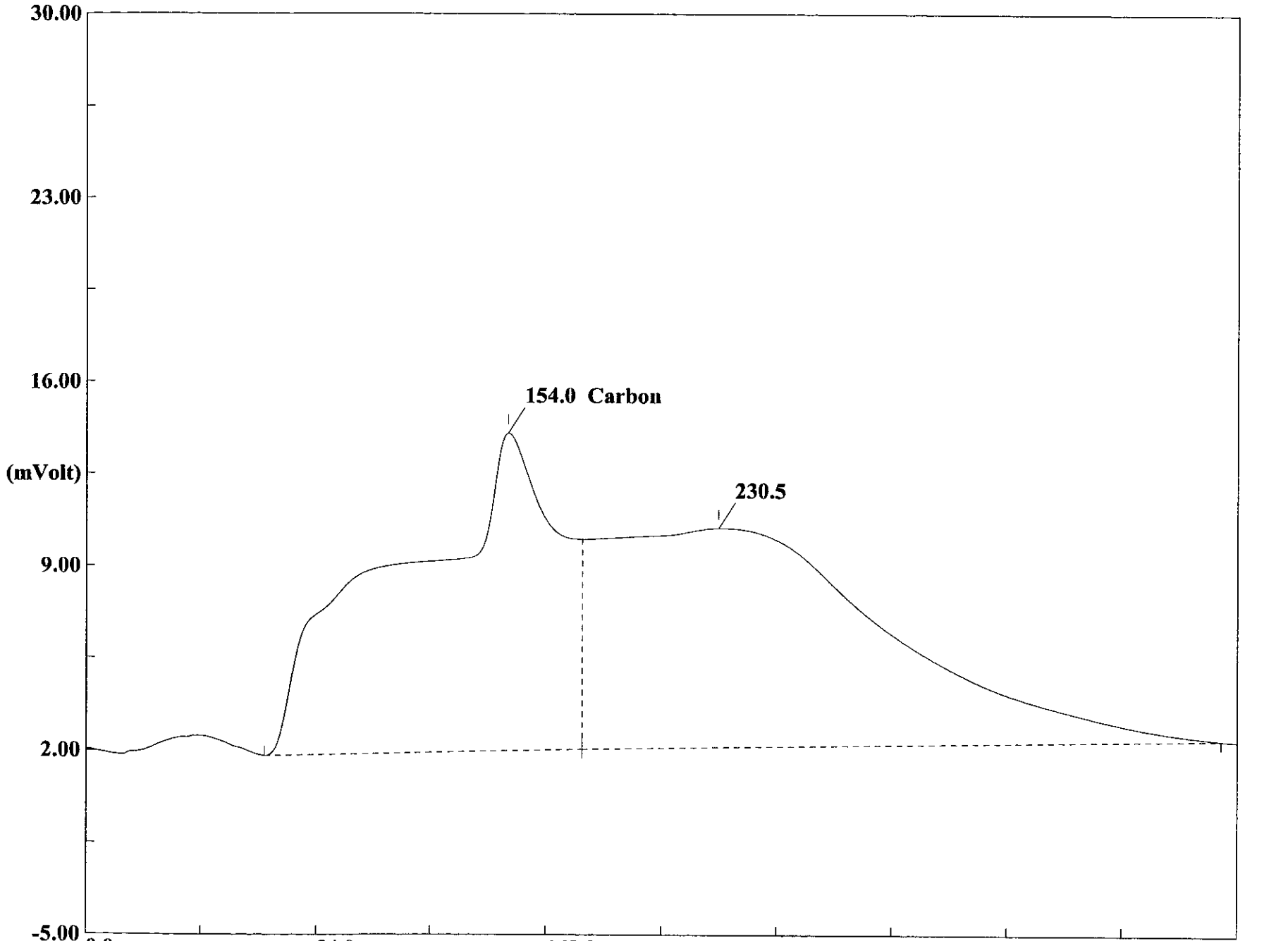
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4212

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410106.DAT

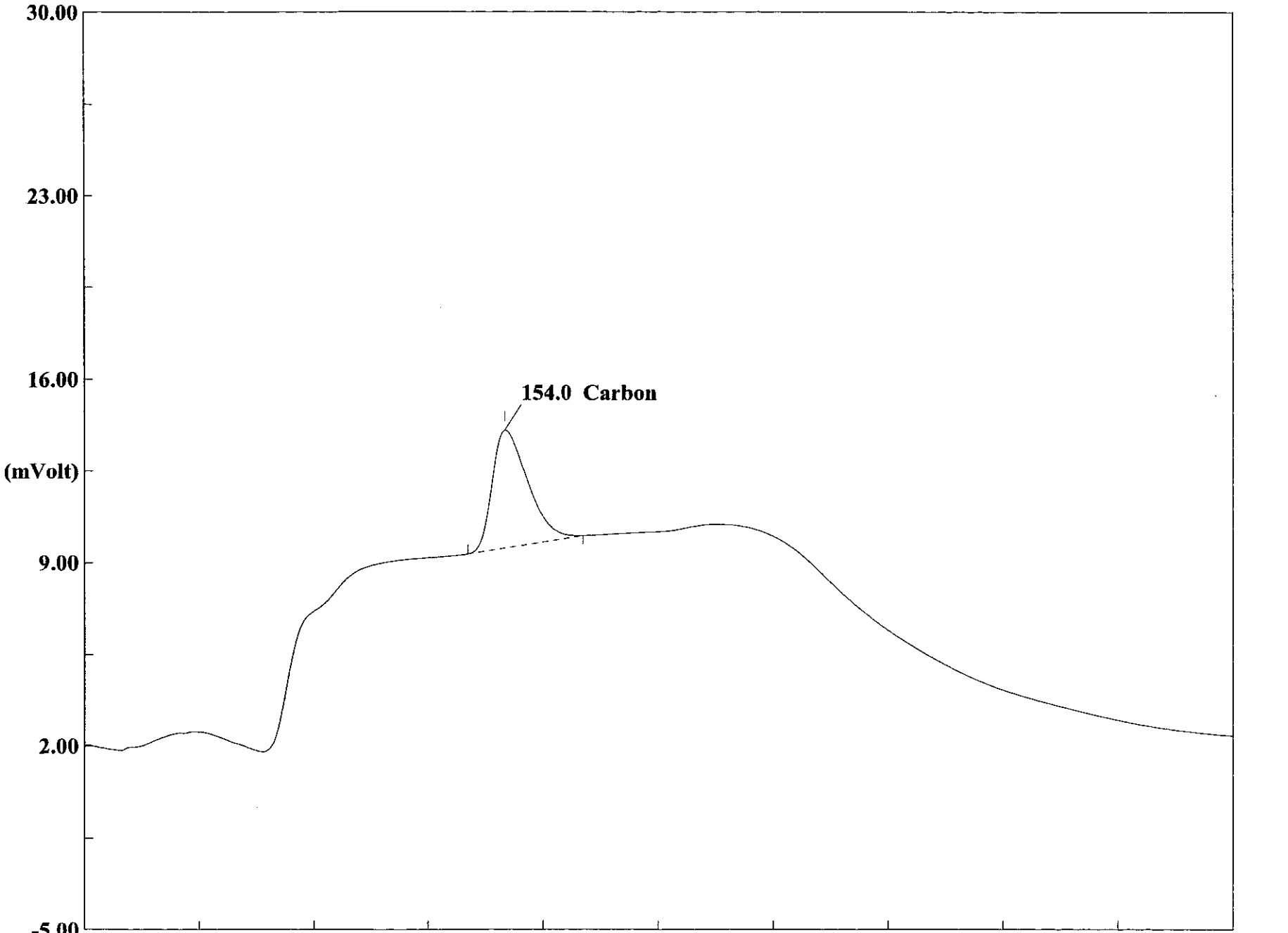
Sample name :l9hjd1ah Analysed :11/04/2010 23:59

C0K030562

4213

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410106.DAT

Sample name :l9hjd1ah Analysed :11/04/2010 23:59

Eager 300 Report

Page: 1 Sample: 19hjd1ah (A110410106)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410106
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/04/2010 23:59 Printed : 11/5/2010 10:01
Sample ID : 19hjd1ah (# 75) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 10.7

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.9298	154	674683	mi	1.000000	

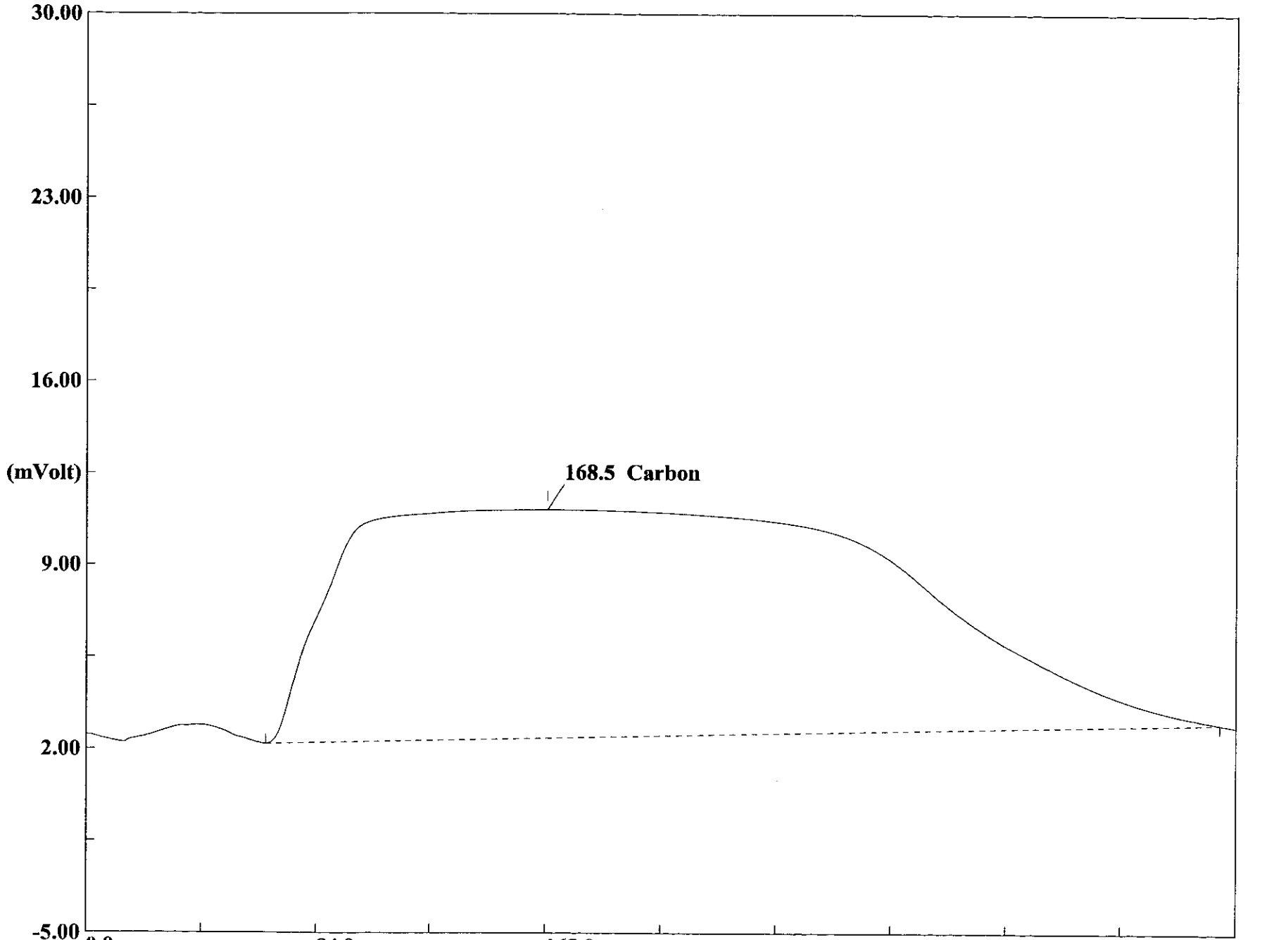
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4215

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410109.DAT

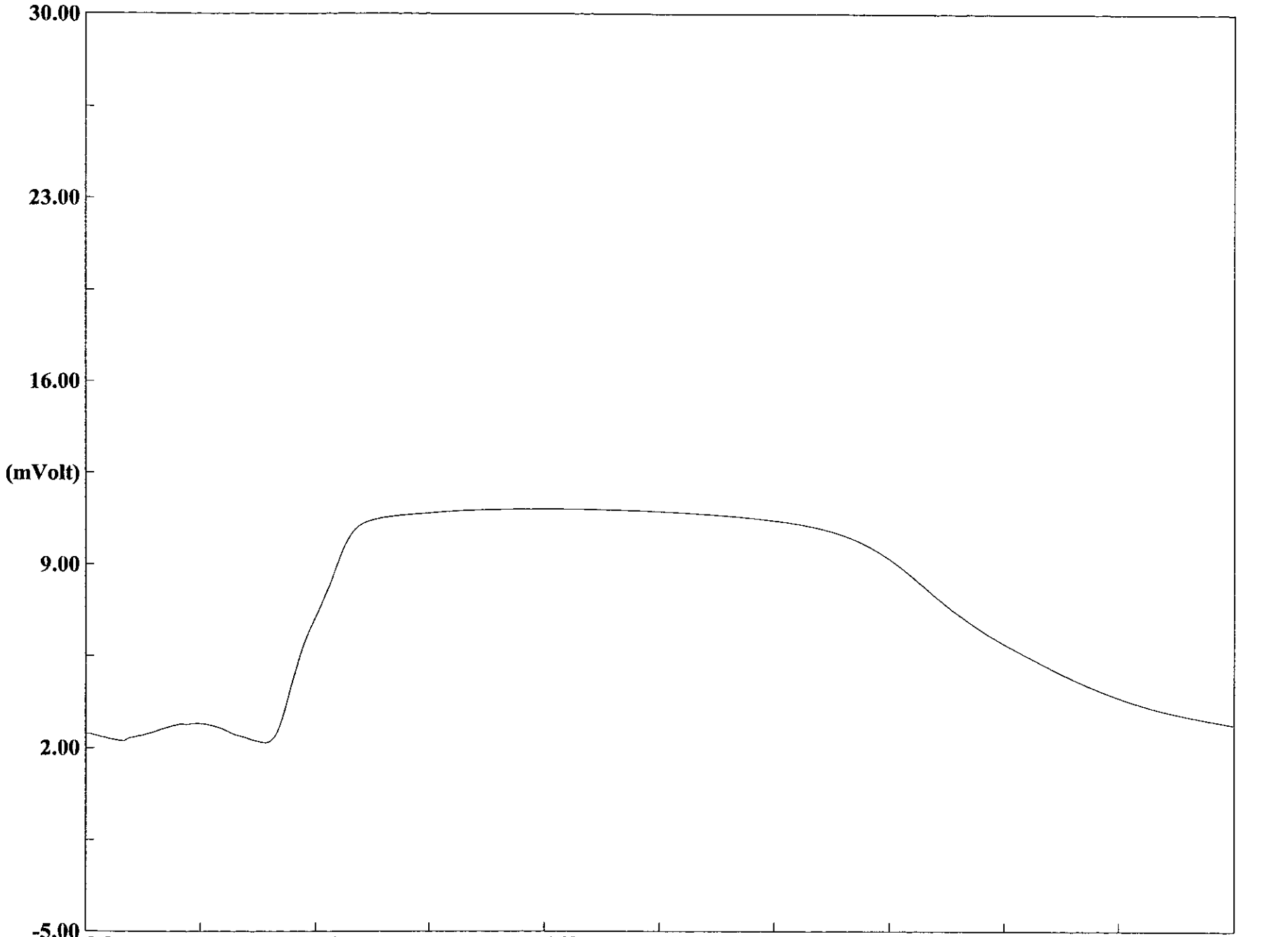
Sample name :ccb Analysed :11/05/2010 00:21

C0K030562

4216

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410109.DAT

Sample name :ccb Analysed :11/05/2010 00:21

Eager 300 Report

Page: 1 Sample: ccb (A110410109)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410109
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/05/2010 00:21 Printed : 11/5/2010 10:01
Sample ID : ccb (# 76) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

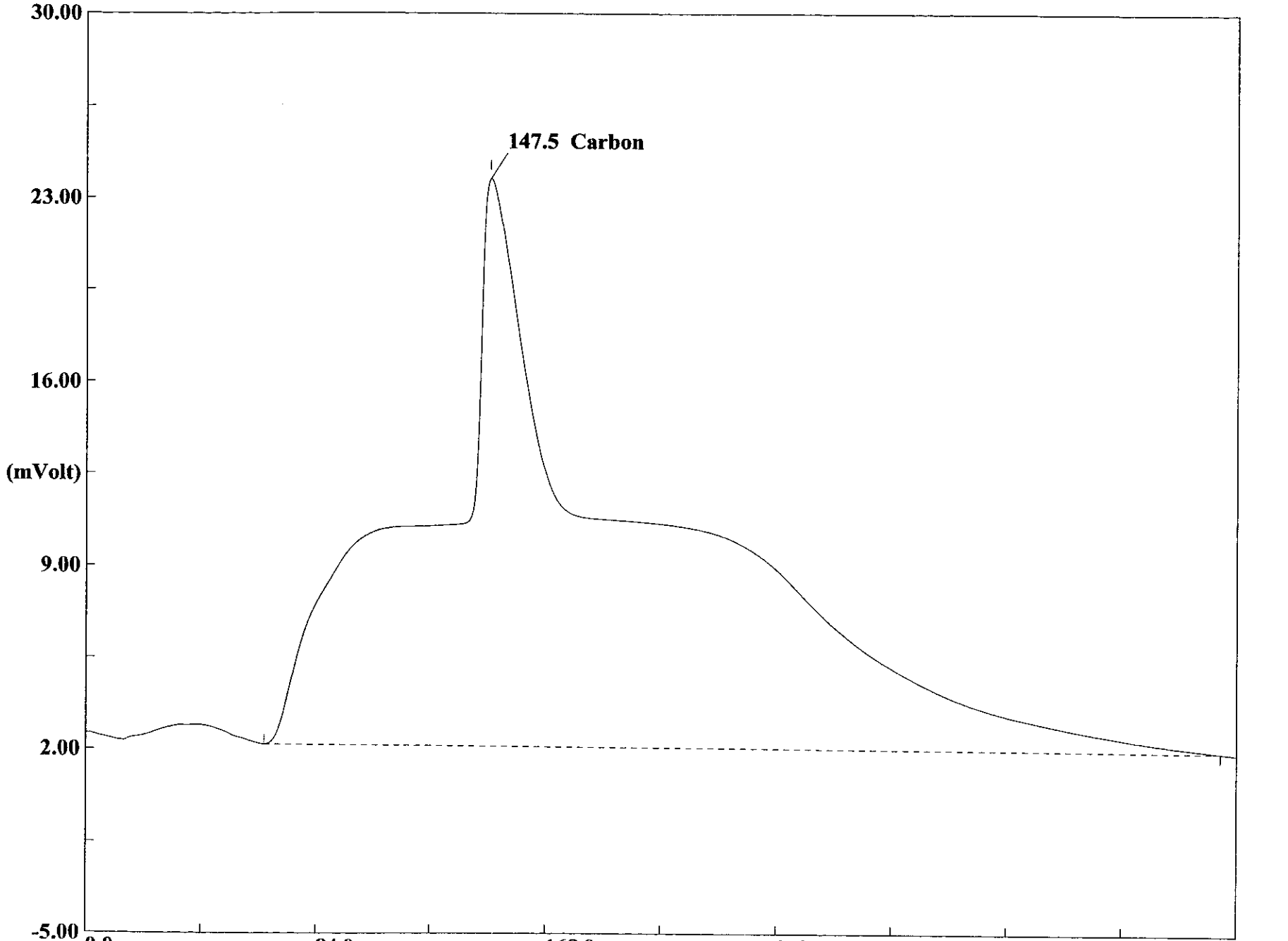
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4218

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410110.DAT

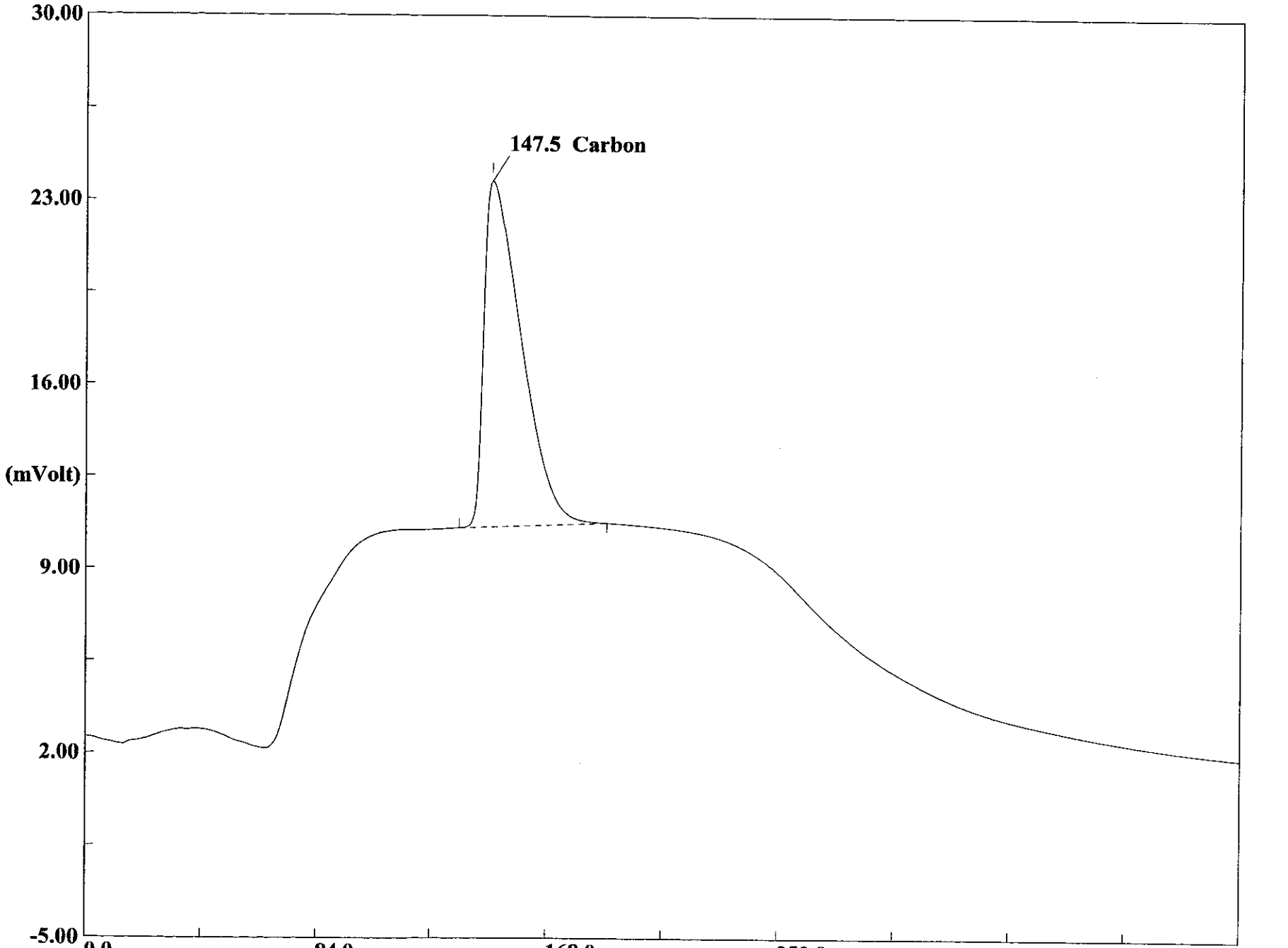
Sample name :ccv Analysed :11/05/2010 00:28

C0K030562

4219

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410110.DAT

Sample name :ccv Analysed :11/05/2010 00:28

Eager 300 Report

 Sample: ccv (A110410110)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410110
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/05/2010 00:28
Printed : 11/5/2010 10:01
Sample ID : ccv (# 77)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9672	148	2063580	mi	1.000000	

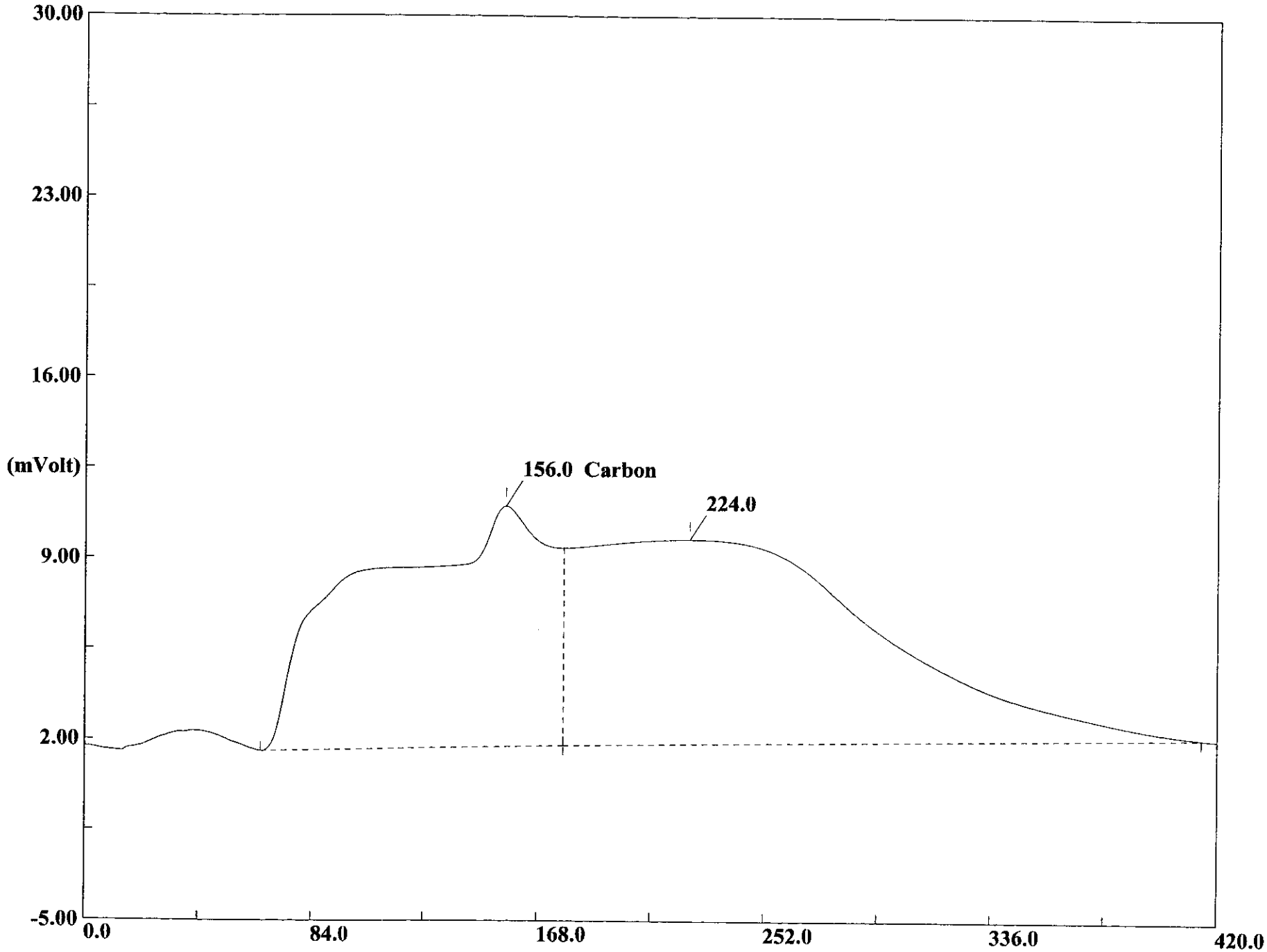
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4221

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410111.DAT

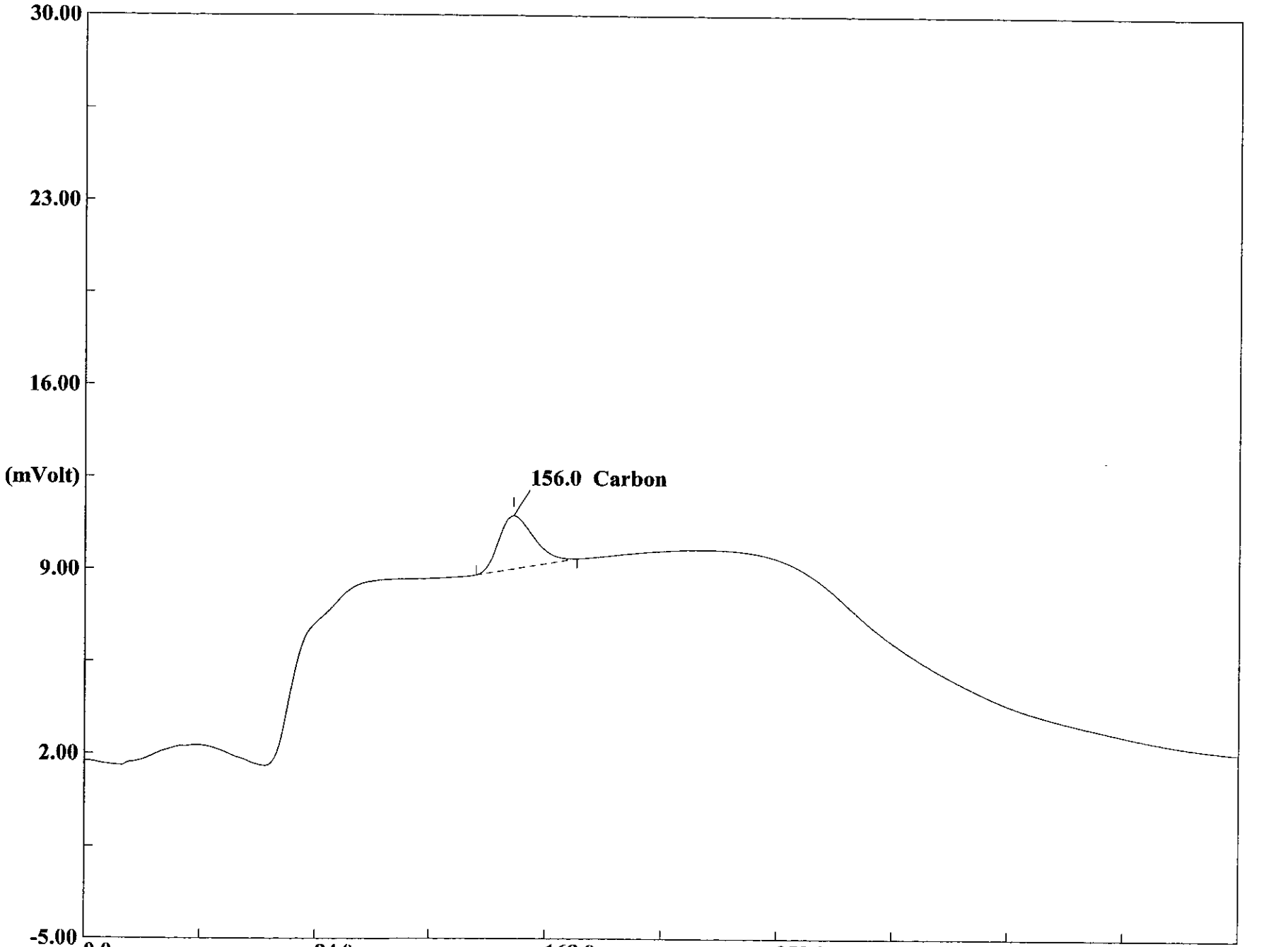
Sample name :l9hjf1ah Analysed :11/05/2010 00:35

C0K030562

4222

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410111.DAT

Sample name :l9hjf1ah Analysed :11/05/2010 00:35

Eager 300 Report

 Sample: l9hjf1ah (A110410111)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410111
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/05/2010 00:35
Printed : 11/5/2010 10:01
Sample ID : l9hjf1ah (# 78)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 9.8

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.3741	156	294712	mi	1.000000	

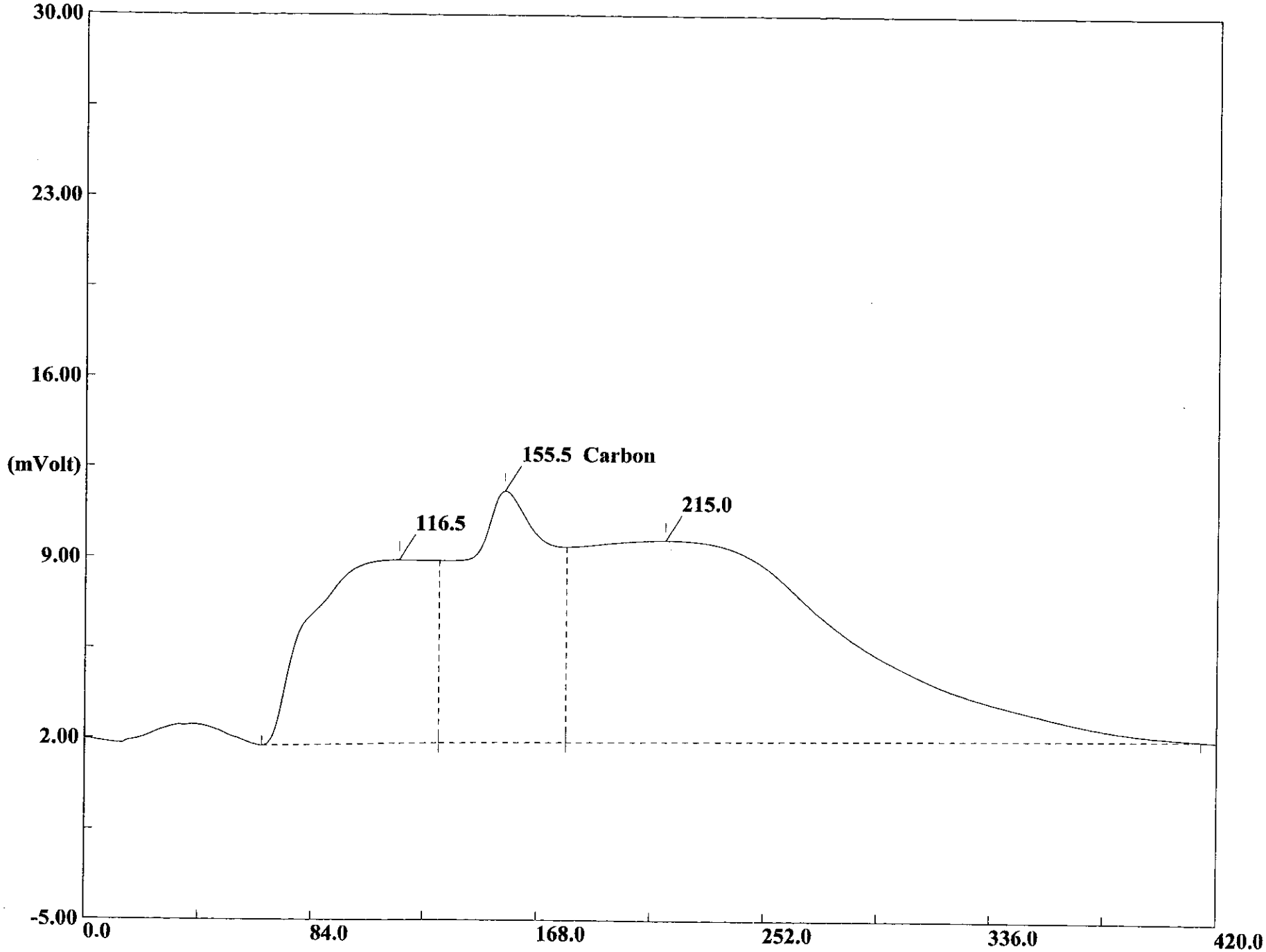
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4224

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410112.DAT

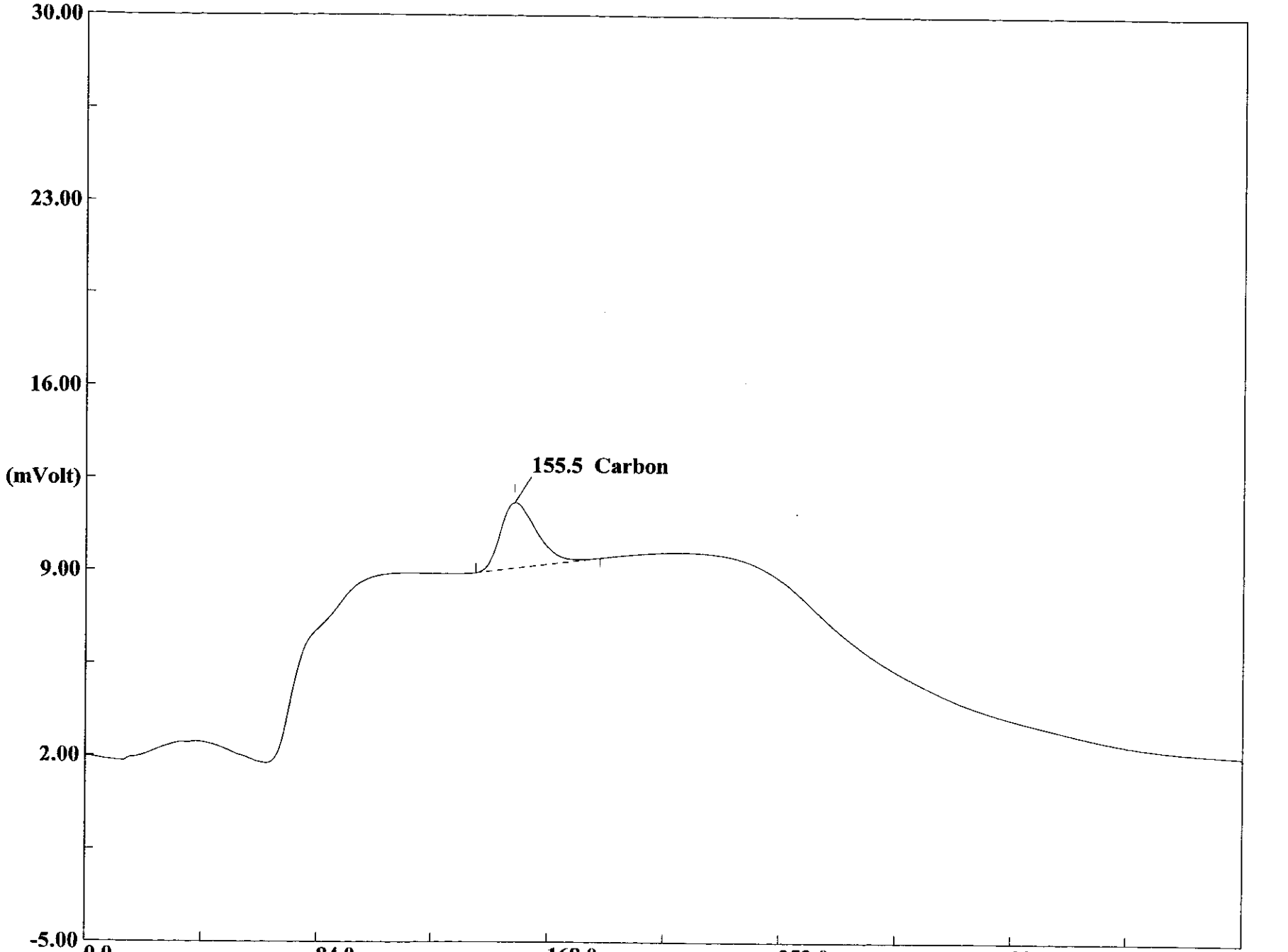
Sample name :l9hjf1ah Analysed :11/05/2010 00:42

C0K030562

4225

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410112.DAT

Sample name :l9hjf1ah Analysed :11/05/2010 00:42

Eager 300 Report

Page: 1 Sample: 19hjf1ah (A110410112)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410112
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/05/2010 00:42 Printed : 11/5/2010 10:01
Sample ID : 19hjf1ah (# 79) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 9.2

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.8522	156	370660	mi	1.000000	

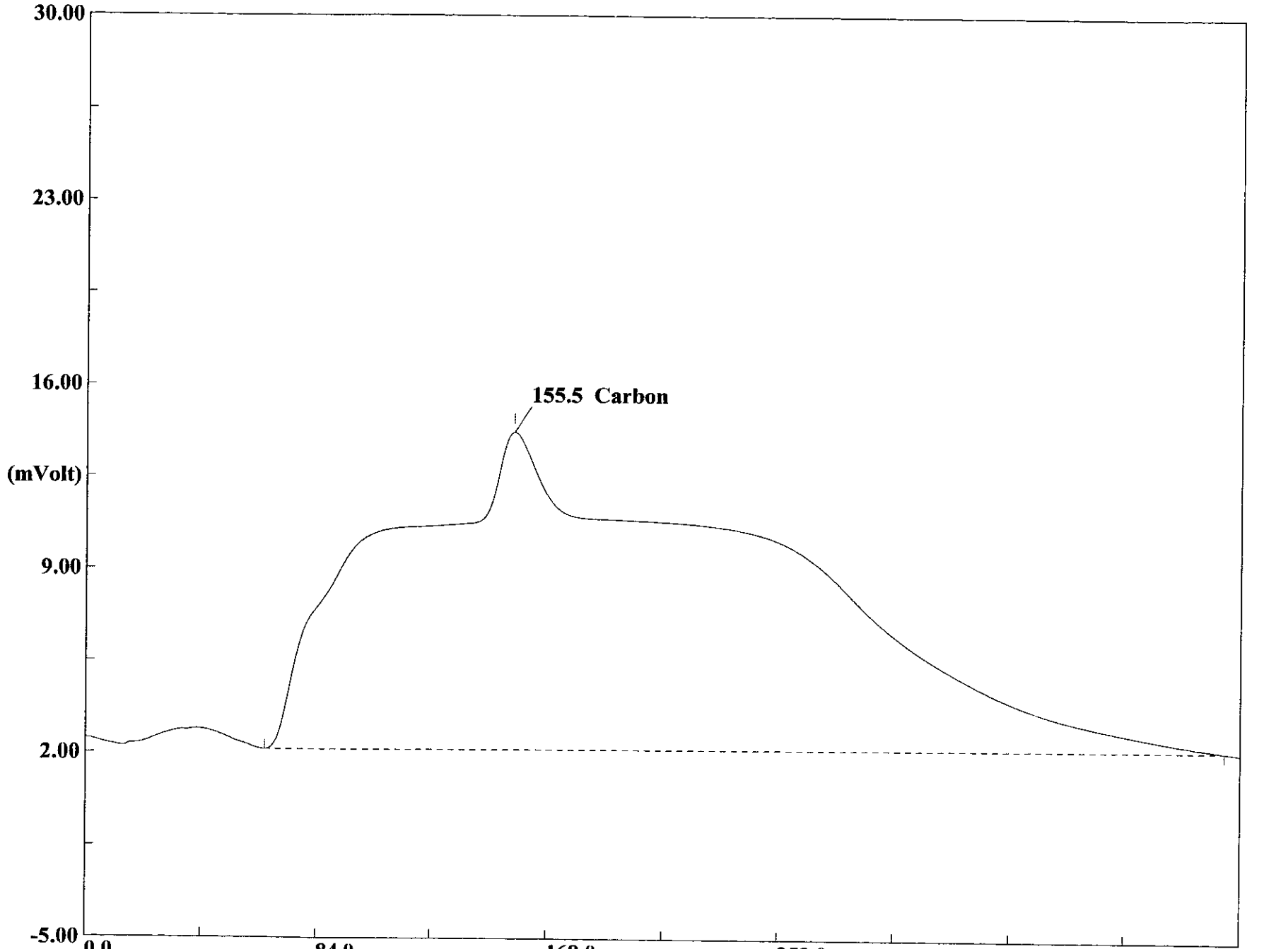
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4227

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410115.DAT

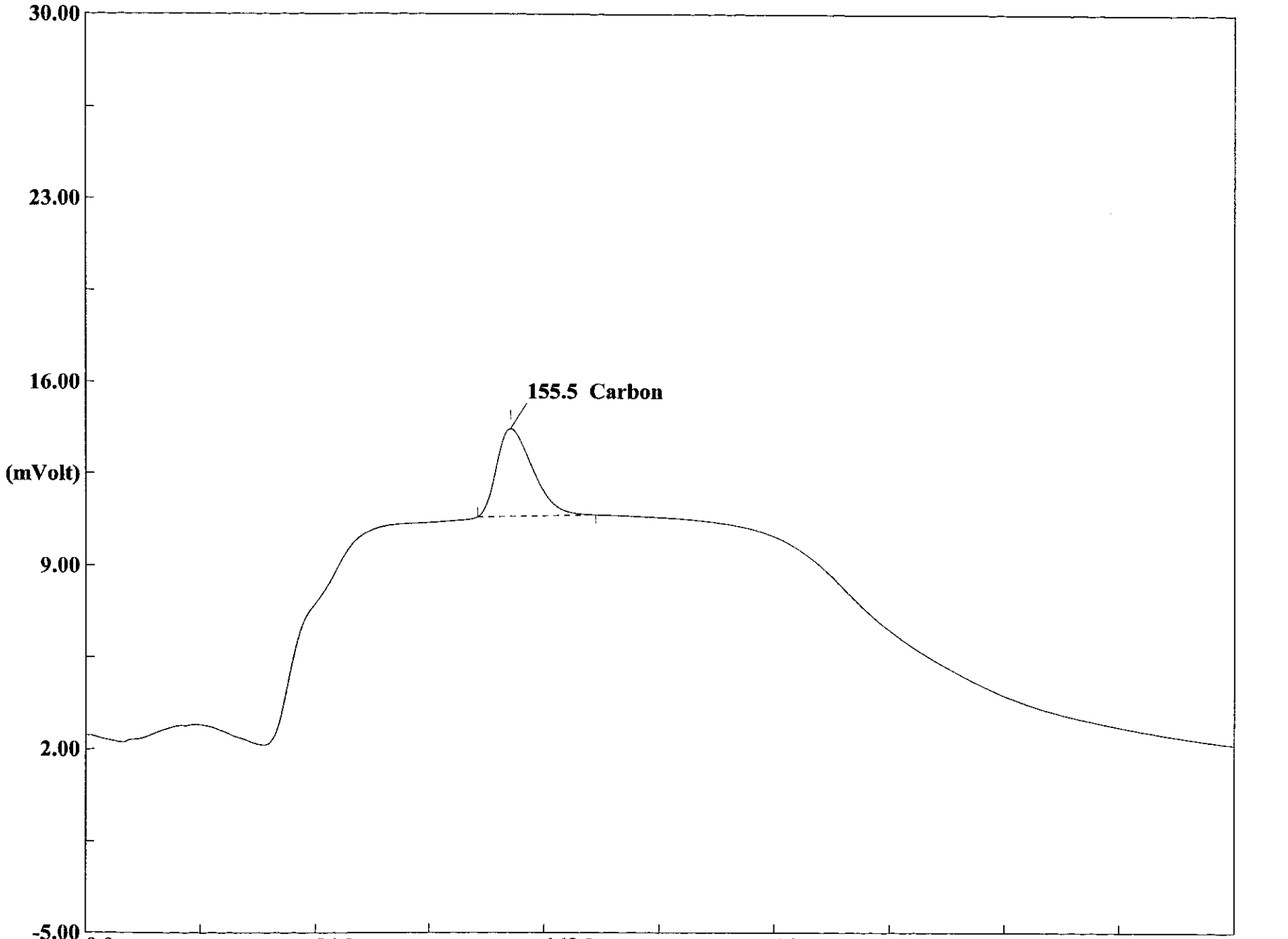
Sample name :l9hjg1ah Analysed :11/05/2010 01:04

C0K030562

4228

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410115.DAT

Sample name :l9hjg1ah Analysed :11/05/2010 01:04

Eager 300 Report

Page: 1 Sample: l9hjg1ah (A110410115)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410115
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/05/2010 01:04 Printed : 11/5/2010 10:01
Sample ID : l9hjg1ah (# 80) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 9.7

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.4203	156	507414	mi	1.000000	

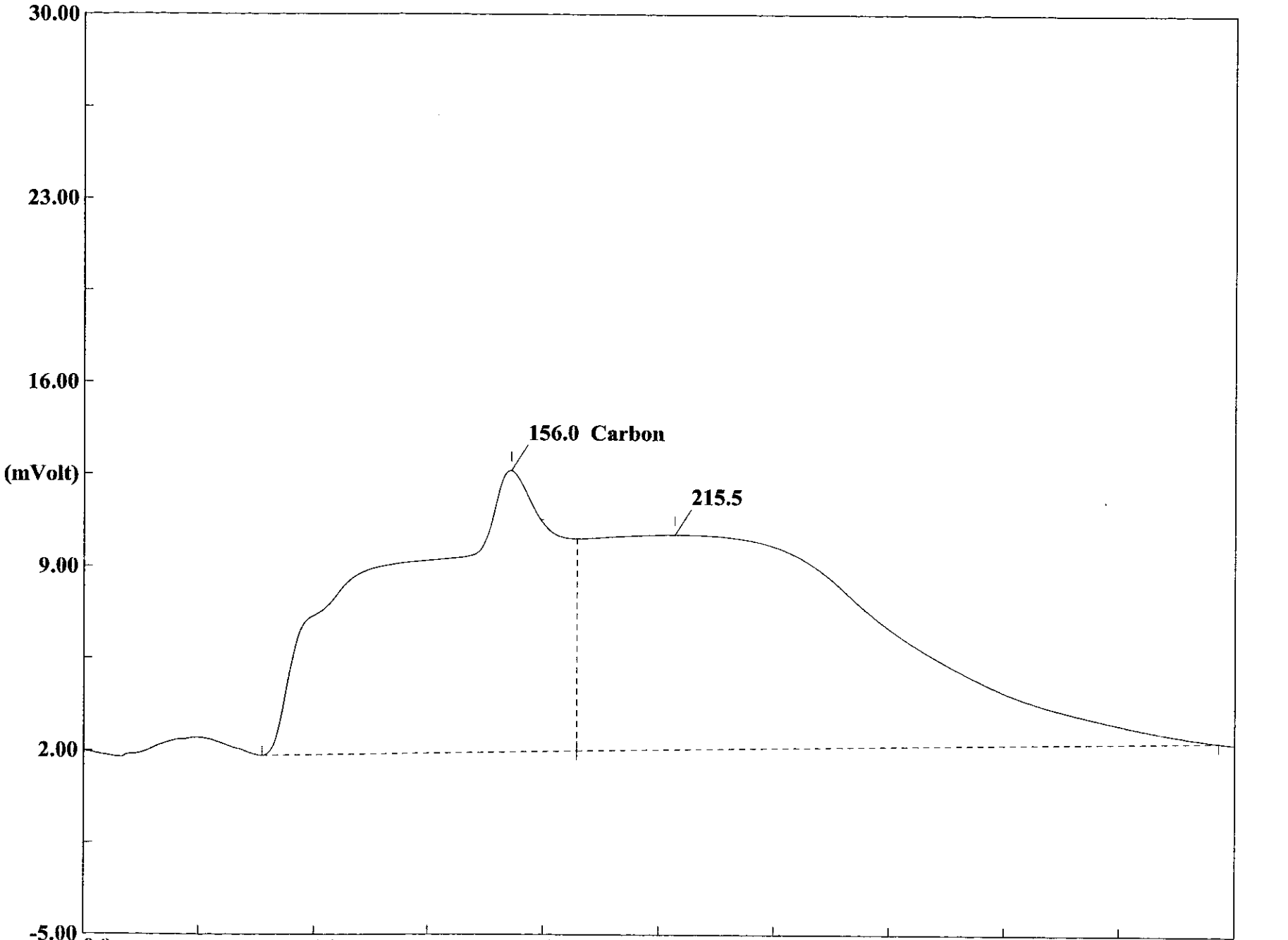
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4230

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410116.DAT

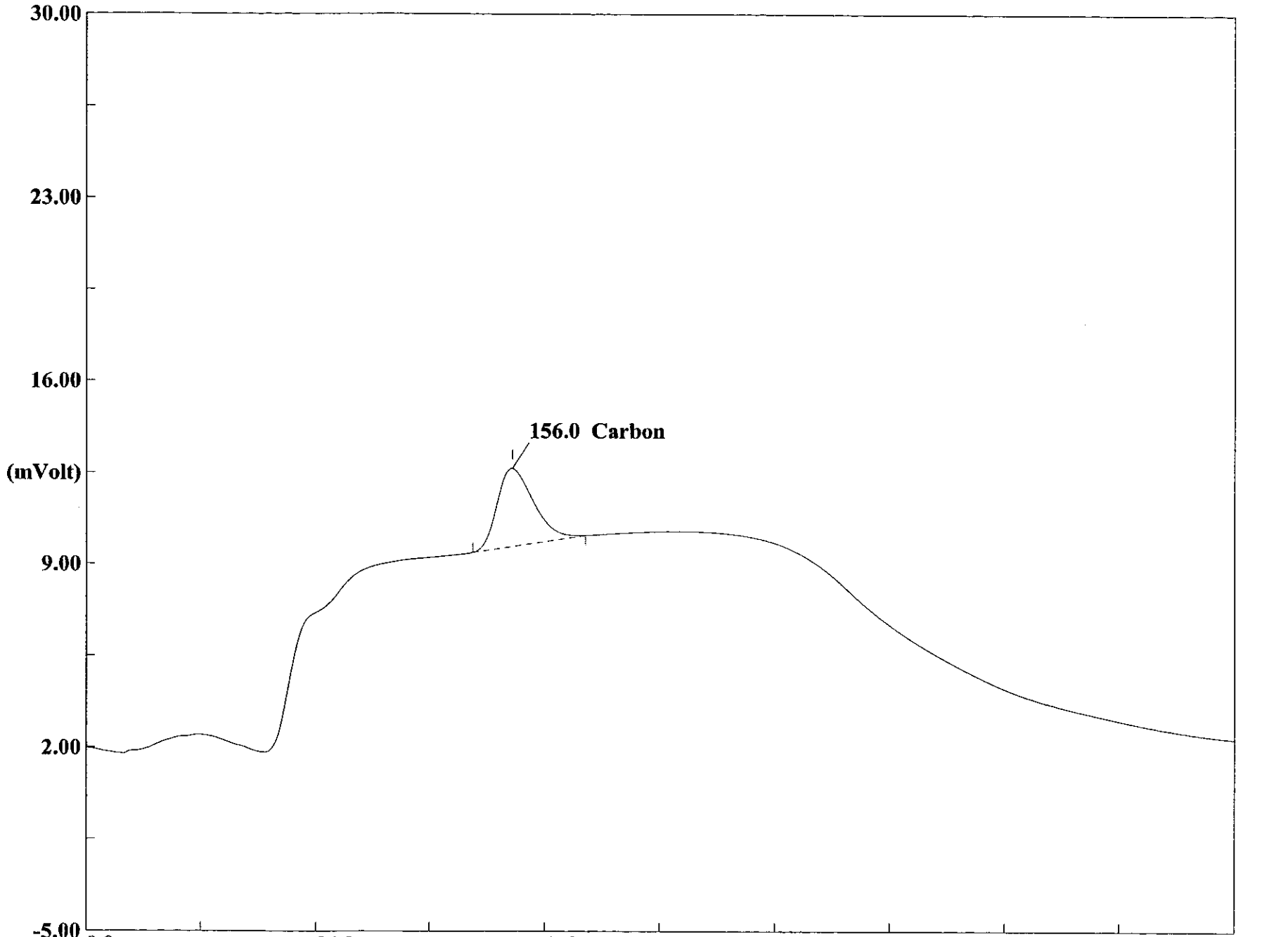
Sample name :l9hjg1ah Analysed :11/05/2010 01:11

C0K030562

4231

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410116.DAT

Sample name :l9hjg1ah Analysed :11/05/2010 01:11

Eager 300 Report

Page: 1 Sample: l9hjg1ah (A110410116)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410116
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/05/2010 01:11 Printed : 11/5/2010 10:01
Sample ID : l9hjg1ah (# 81) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 9.4

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.2608	156	460136	mi	1.000000	

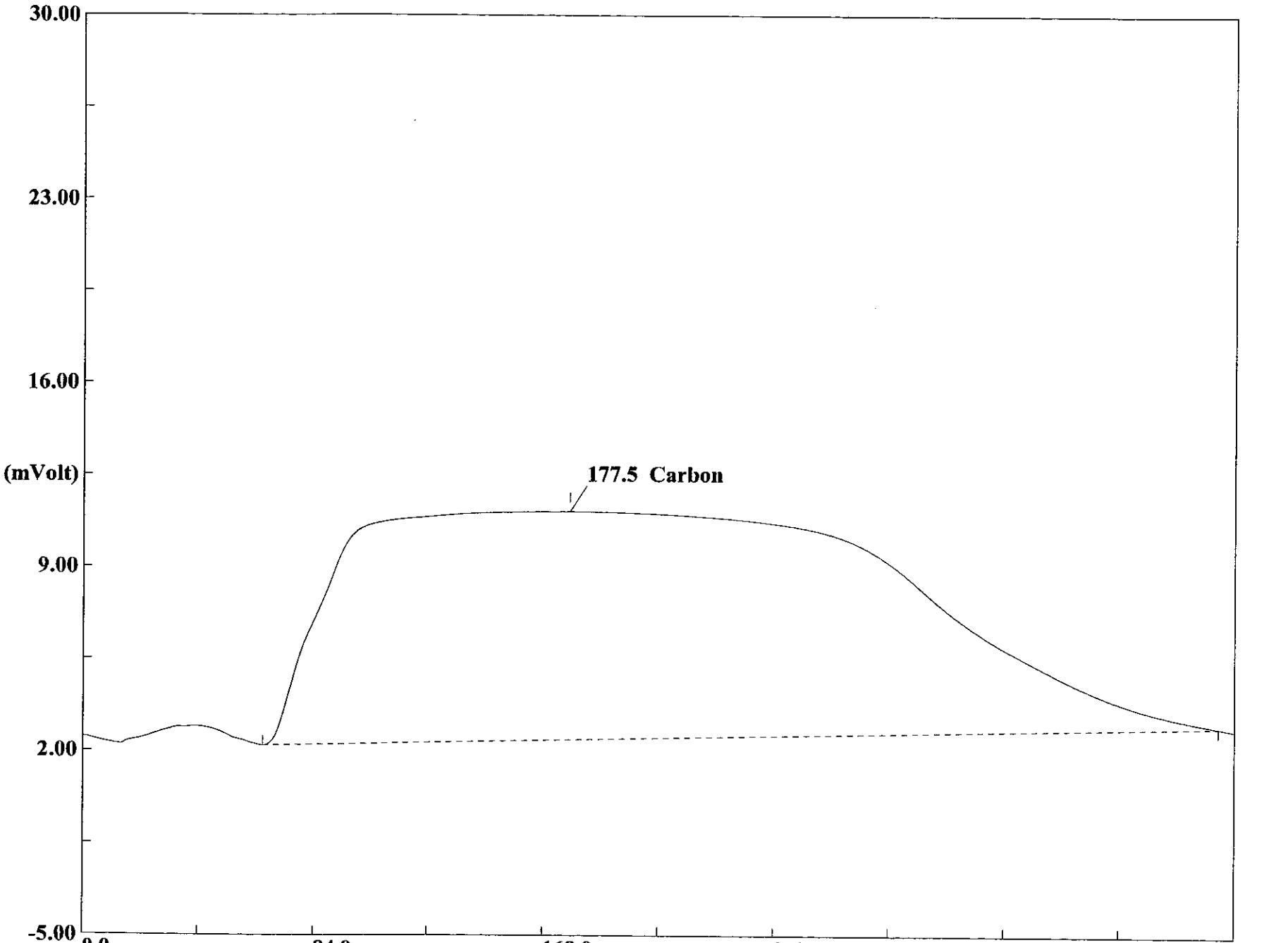
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4233

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410119.DAT

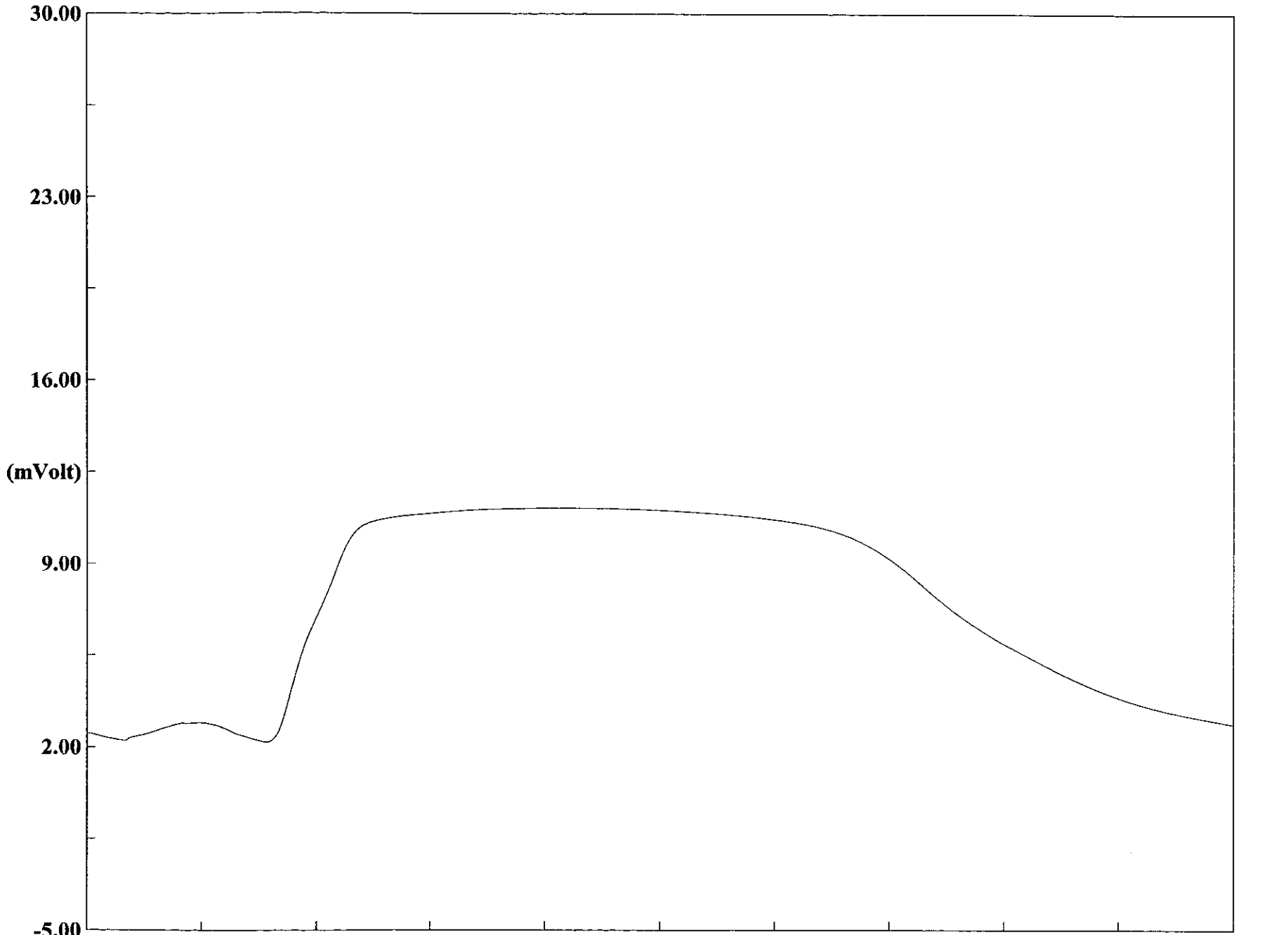
Sample name :ccb Analysed :11/05/2010 01:33

C0K030562

4234

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410119.DAT

Sample name :ccb Analysed :11/05/2010 01:33

Eager 300 Report

Page: 1 Sample: ccb (A110410119)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410119
Operator ID : James DeRubeis Company Name : TESTAMERICA PITT
Analysed : 11/05/2010 01:33 Printed : 11/5/2010 10:01
Sample ID : ccb (# 82) Instrument N. : Instrument #1
Analysis Type : UnkNown (Area) Sample weight : 20

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor

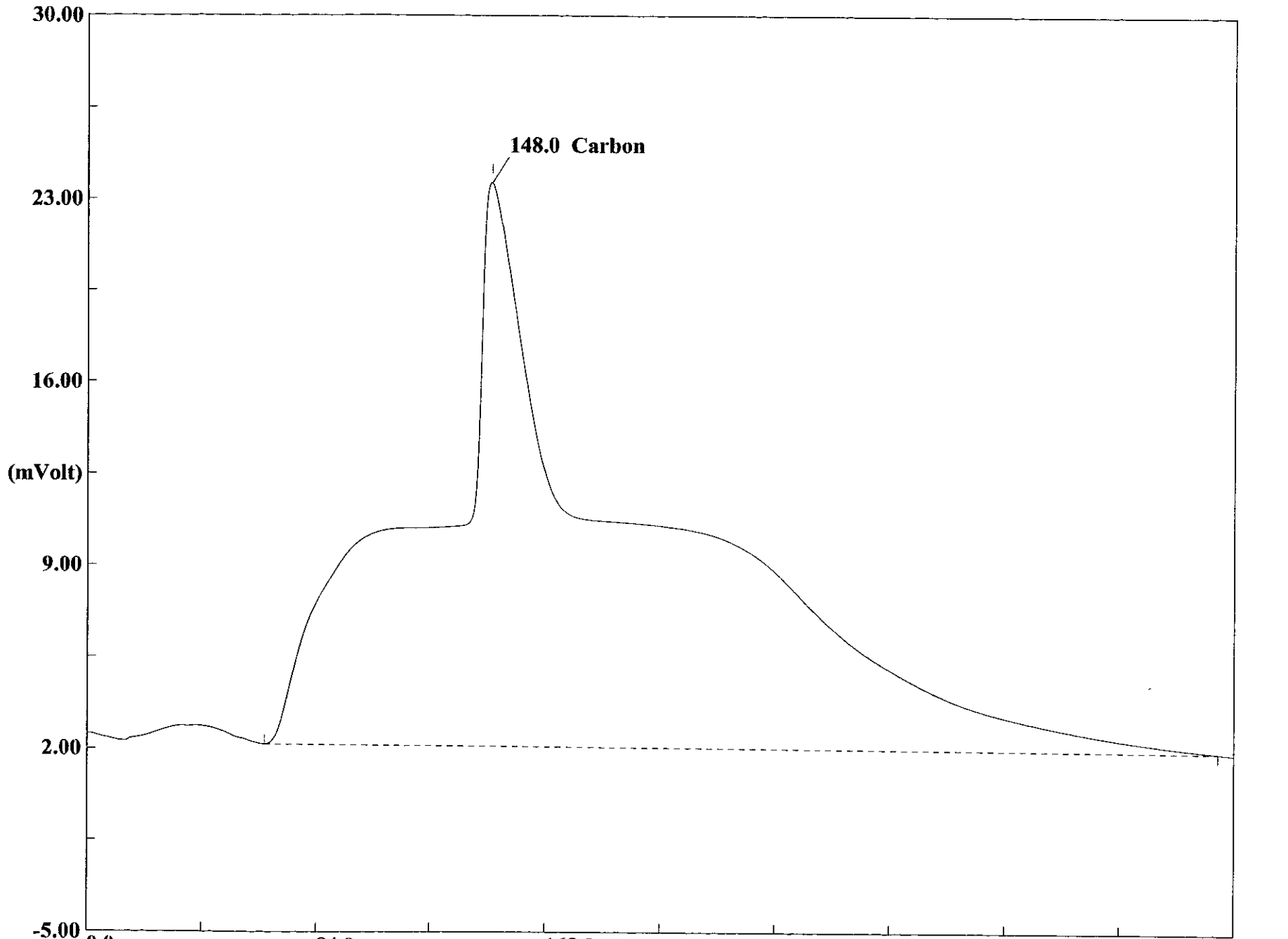
Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

4236

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410120.DAT

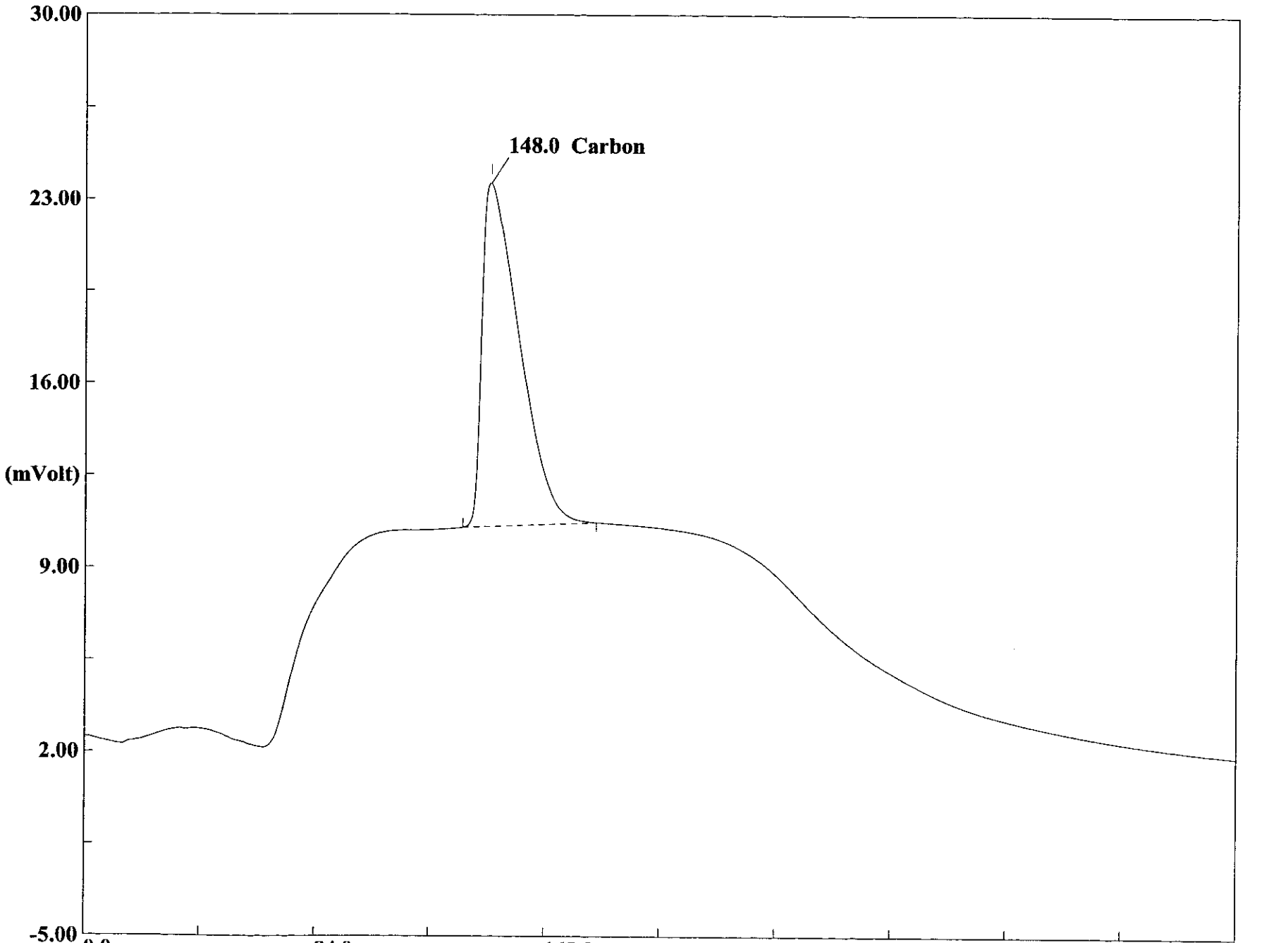
Sample name :ccv Analysed :11/05/2010 01:40

C0K030562

4237

(4001-4267)

Manual Integration by Jim DeRubeis on 11/05/10 due to poor baseline draw



Filename C:\data\January\A110410120.DAT

Sample name :ccv Analysed :11/05/2010 01:40

Eager 300 Report

 Sample: ccv (A110410120)

Method Name : Lloyd Kahn TOC
Method File : C:\data\January\110410.mth
Chromatogram : A110410120
Operator ID : James DeRubeis
Company Name : TESTAMERICA PITT
Analysed : 11/05/2010 01:40
Printed : 11/5/2010 10:01
Sample ID : ccv (# 83)
Instrument N. : Instrument #1
Analysis Type : UnkNown (Area)
Sample weight : 100

Calib. method : using 'Least Squares to Linear fit'

Warning Chromatogram has been subjected to manual integration.

Element Name	% Carbon	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9599	148	2048055	mi	1.000000	

Signal to noise parameters can't be calculated
due to missing signal peak

C0K030562

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lloyd Kahn Sequence Log

Analyst: derubeisj
Location: Pittsburgh

CCV STD# WC4281-10 LCS STD# WC3686-10 Prep Date 11/4/2010 Batch# 0308079

Sample ID	Weight mg	Sample ID	Weight mg	Sample ID		Weight mg
CCB		C0K020512-1D	10.3+10.2	C0K020540-20		10.5
CCV		C0K020512-1S	10.5+12.6	C0K020540-20		10.3
C0K040000-79B		C0K020512-1S	11.6+10.7	C0K020548-8		9.6
C0K040000-79B		C0K020512-1X	9.9	C0K020548-8		10.0
C0K040000-79C	9.7	C0K020512-1X	10.7	C0K020548-9		10.0
C0K040000-79C	10.5	C0K020512-9	9.9	C0K020548-9		9.6
C0K040000-79L	9.5	C0K020512-9	9.5	C0K030562-1	logged out of hold	9.5
C0K040000-79L	10.5	CCB		C0K030562-1		10.7
C0K010457-13	19.4	CCV		C0K030562-2		9.8
C0K010457-13	19.2	C0K020540-15	10.2	C0K030562-2		9.3
C0K010457-13	20.0	C0K020540-15	10.1	CCB	JD 11/4/10	
C0K010457-13	19.8	C0K020540-16	10.4	CCV		
C0K010457-19	19.3	C0K020540-16	10.7	C0K030562-3	logged out of hold	10.6
C0K010457-19	19.5	C0K020540-17	10.9	C0K030562-3		10.4
C0K010457-19	21.4	C0K020540-17	10.3	C0K030562-4		10.9
C0K010457-19	20.6	C0K020540-18	10.3	C0K030562-4		10.3
C0K020512-1	9.1	C0K020540-18	9.3	C0K030562-5		~~10.4~~ 9.7 ACC 11.04.10
C0K020512-1	9.7	C0K020540-19	9.9 ACC 11.04.10	C0K030562-5		10.6
C0K020512-1D	11.3+9.5	C0K020540-19	10.5	C0K030562-6		10.2

4239

(4001-4267)

Date Printed: 11/4/2010 9:33:50AM

C0K030562

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Lloyd Kahn Sequence Log

Analyst: derubeisj
Location: Pittsburgh

CCV STD# WC4281-10 LCS STD# WC3686-10 Prep Date 11/4/2010 Batch# 0308079

Sample ID	Weight mg	Sample ID	Weight mg	Sample ID	Weight mg
C0K030562-6	10.7				
C0K030562-7	9.8				
C0K030562-7	9.2				
C0K030562-8	9.7				
C0K030562-8	9.4				
CCB					
CCV					

logged out of hold JP 11/4/10

4240

(4001-4267)

Date Printed: 11/4/2010 9:33:50AM

REQUESTED BY: **DERUBELJ**

METHOD: 8A Total Organic Carbon in Sediment Lloyd Kahn

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD

RELINQUISHED BY	RECEIVED BY	DATE/TIME
	J. DERUBEIS	11/4/10 0955
		11.04.10 1200

***** END OF REPORT *****

REQUESTED BY: **DERUBELJ**

METHOD: 8A Total Organic Carbon in Sediment Lloyd Kahn

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD
21B,OUT	L9D6A-1-AL	___ ___ ___	909853	374256	A-88-8A	C0K010457	013		SOLID	4	1
21B,OUT	L9D6P-1-AL	___ ___ ___	909854	374256	A-88-8A	C0K010457	019		SOLID	4	1
21D,OUT	L9FRD-1-AC	___ ___ ___	909855	374256	A-88-8A	C0K020512	001		SOLID	10	1
21D,OUT	L9FR9-1-AN	___ ___ ___	909856	374256	A-88-8A	C0K020512	009		SOLID	4	1
21D,OUT	L9F22-1-AC	___ ___ ___	909857	374256	A-88-8A	C0K020540	015		SOLID	4	1
21D,OUT	L9F26-1-AM	___ ___ ___	909858	374256	A-88-8A	C0K020540	016		SOLID	4	1
21D,OUT	L9F27-1-AX	___ ___ ___	909859	374256	A-88-8A	C0K020540	017		SOLID	4	1
21D,OUT	L9F28-1-A8	___ ___ ___	909860	374256	A-88-8A	C0K020540	018		SOLID	4	1
21D,OUT	L9F29-1-A8	___ ___ ___	909861	374256	A-88-8A	C0K020540	019		SOLID	4	1
21D,OUT	L9F3D-1-A8	___ ___ ___	909862	374256	A-88-8A	C0K020540	020		SOLID	4	1
21D,OUT	L9F36-1-AM	___ ___ ___	909863	374256	A-88-8A	C0K020548	008		SOLID	3	1
21D,OUT	L9F37-1-AM	___ ___ ___	909864	374256	A-88-8A	C0K020548	009		SOLID	4	1
23C	L9HH3-1-A6	___ ___ ___	909865	356280	A-88-8A	C0K030562	001		SOLID	2	1
23C	L9HH6-1-AH	___ ___ ___	909866	356280	A-88-8A	C0K030562	002		SOLID	2	1
23C	L9HH8-1-AH	___ ___ ___	909867	356280	A-88-8A	C0K030562	003		SOLID	2	1
23C	L9HH9-1-AH	___ ___ ___	909868	356280	A-88-8A	C0K030562	004		SOLID	2	1
23C	L9HJC-1-AH	___ ___ ___	909869	356280	A-88-8A	C0K030562	005		SOLID	2	1
23C	L9HJD-1-AH	___ ___ ___	909870	356280	A-88-8A	C0K030562	006		SOLID	2	1
23C	L9HJF-1-AH	___ ___ ___	909871	356280	A-88-8A	C0K030562	007		SOLID	2	1
23C	L9HJG-1-AH	___ ___ ___	909872	356280	A-88-8A	C0K030562	008		SOLID	2	1

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

(Pittsburgh)

Total Solid / Percent Moisture

Sop (PT-WC-001) / (PT-WC-020)

Method: TS SM 20 2540G

J# % Moisture

LOT NUMBER(S)	BATCH
COJ220503	0309234
COJ220503	0309235
COK040512	0309248
COK040518	↓
COK040522	↓
COK020512	↓
COK020548	↓
COK030589	↓
COK040492	0309253
COK040544	↑
COK020532	↑
COK030462	↑
COK040481	↑
COK040510	↑
COK040523	↑
COK040525	↓
COK040566	0309249
COK030410	↓
COK030562	↓
COK030592	0309251
COK030968	↓

TestAmerica Pittsburgh

Total Solids/Percent Moisture Worksheet

Total Residue (TS) @ 103 degrees C (+/- 2 degrees C)

Method: % Moisture

IN: 11/5/2010 5:16:00 PM
OUT: 11/6/2010 9:35:00 AM

Calculation: $\frac{(A-C) - (B-C)}{(A-C)} \times 100 = D$

E = 100 - D

Analyst: Mansi Modi
Balance ID: 1126472457

QC Batch: 0309234		TARE ID	TARE (g) [C]	SAMPLE + TARE [A]	DRIED SMP + TARE [B]	% MOISTURE [D]	% SOLID [E]
LAB ID	WORKORDER						
C0J220503-1	L8X6P1AC	P3958	2.7000	4.7200	2.8200	94.05941	5.94059
C0J220503-1X	L8X6P1AG	P2839	2.6100	4.6500	2.8000	90.68627	9.31373
C0J220503-2	L8X651AC	P4510	2.5800	4.6800	3.2800	66.66666	33.33334
C0J220503-3	L8X691AC	P3795	2.5800	4.6300	2.7500	91.70731	8.29269
C0J220503-4	L8X7C1AC	P3818	2.5700	4.9800	2.7500	92.53112	7.46888
C0J220503-5	L8X7G1AC	P2929	2.5400	4.6900	2.6600	94.41859	5.58141
C0J220503-6	L8X7N1AC	P2534	2.6500	4.7000	3.4200	62.43902	37.56098
C0J220503-7	L8X7R1AC	P2535	2.6200	4.7100	2.7500	93.77990	6.22010
C0J220503-8	L8X7V1AC	P3540	2.5900	4.7900	3.3300	66.36364	33.63636
C0J220503-9	L8X7X1AC	P3534	2.5800	4.9800	2.7900	91.25000	8.75000
C0J220503-10	L8X711AC	P3849	2.6200	5.1600	2.7200	96.06299	3.93701
C0J220503-11	L8X721AC	P1811	2.6300	4.6900	3.4700	59.22330	40.77670
C0J220503-12	L8X741AC	P1788	2.6300	4.7200	3.2900	68.42105	31.57895
C0J220503-13	L8X761AC	P3802	2.6100	4.5500	3.1500	72.16494	27.83506
C0J220503-14	L8X771AC	P3745	2.5600	4.5600	3.3100	62.50000	37.50000
C0J220503-15	L8X8A1AC	P4683	2.6300	5.6600	3.0000	87.78879	12.21121
C0J220503-16	L8X8D1AC	P3800	2.5900	4.6600	3.2300	69.08212	30.91788
C0J220503-17	L8X8F1AC	P2537	2.6000	4.6200	2.7200	94.05940	5.94060
C0J220503-18	L8X8H1AC	P2538	2.5900	4.6900	2.7100	94.28571	5.71429
C0J220503-19	L8X8P1AC	P2536	2.6200	4.7500	3.3400	66.19718	33.80282
C0J220503-20	L8X8X1AC	P1858	2.5800	4.8900	2.7400	93.07359	6.92641

RPD 3.65%

Analyst: Mansi Modi

Date: 11-6-10

TestAmerica Pittsburgh

Total Solids/Percent Moisture Worksheet

Total Residue (TS) @ 103 degrees C (+/- 2 degrees C)

Method: % Moisture

IN: 11/5/2010 5:42:00 PM
OUT: 11/6/2010 9:31:00 AM

Calculation: $\frac{(A-C)-(B-C)}{(A-C)} \times 100 = D$

E = 100 - D

Analyst: Mansi Modi
Balance ID: 1126472457

QC Batch: 0309235		TARE ID	TARE (g) [C]	SAMPLE + TARE [A]	DRIED SMP + TARE [B]	% MOISTURE [D]	% SOLID [E]
LAB ID	WORKORDER						
C0J220503-21	L8X801AC	P2356	2.6200	4.7100	2.6700	97.60765	2.39235
C0J220503-22	L8X831AC	P4525	2.6300	4.7300	3.4500	60.95238	39.04762
C0J220503-22X	L8X831AE	P3968	2.5900	4.6300	3.3500	62.74510	37.25490
C0J220503-23	L8X841AC	P3959	2.6400	4.6500	2.9400	85.07463	14.92537
C0J220503-24	L8X881AC	P2334	2.6400	4.7300	2.8000	92.34451	7.65549
C0J220503-25	L8X9D1AC	P3792	2.5900	4.7400	3.0900	76.74419	23.25581
C0J220503-26	L8X9E1AC	P3796	2.6400	4.8500	2.7900	93.21268	6.78732
C0J220503-27	L8X9G1AC	P3555	2.6700	4.7600	2.7300	97.12919	2.87081
C0J220503-28	L8X9H1AC	P3803	2.5900	4.5700	2.8300	87.87878	12.12122
C0J220503-29	L8X9K1AC	P2876	2.6100	4.8700	2.7700	92.92035	7.07965
C0J220503-30	L8X9M1AC	P1871	2.6600	4.9100	2.7500	96.00000	4.00000
C0J220503-31	L8X9T1AC	P3547	2.6200	4.9200	2.7100	96.08695	3.91305
C0J220503-32	L8X9V1AC	P1860	2.6400	4.7300	3.2100	72.72727	27.27273
C0J220503-33	L8X901AC	P3956	2.6800	4.6000	3.2900	68.22917	31.77083
C0J220503-34	L8X911AC	P4678	2.6500	4.6400	3.3100	66.83418	33.16582
C0J220503-35	L8X931AC	P4692	2.6300	5.7100	2.7700	95.45455	4.54545
C0J220503-36	L8X941AC	P2921	2.5900	4.6400	3.2500	67.80487	32.19513
C0J220503-37	L80CA1AC	P3782	2.5800	4.6800	3.2900	66.19048	33.80952

RPD 2.90 %

Analyst: Mansi Modi Date: 11-6-10

TestAmerica Pittsburgh

Total Solids/Percent Moisture Worksheet

Total Residue (TS) @ 103 degrees C (+/- 2 degrees C)

Method: 2540 G

IN: 11/5/2010 3:39:00 PM
OUT: 11/6/2010 9:34:00 AM

Calculation: $\frac{(A-C) - (B-C)}{(A-C)} \times 100 = D$

E = 100 - D

Analyst: Mansi Modi
Balance ID: 1126472457

QC Batch: 0309248		TARE ID	TARE (g) [C]	SAMPLE + TARE [A]	DRIED SMP + TARE [B]	% MOISTURE [D]	% SOLID [E]
LAB ID	WORKORDER						
C0K020512-18	L9FTX1AA	P3564	2.6100	8.6900	6.8700	29.93421	70.06580
C0K020512-20	L9FT11AC	P2881	2.6300	8.9200	6.7400	34.65820	65.34180
C0K020512-20X	L9FT11AH	P2880	2.6200	8.3700	6.3500	35.13044	64.86957
C0K020548-1	L9F3V1AA	P3945	2.6100	8.9300	7.0200	30.22153	69.77847
C0K020548-2	L9F3X1AL	P2872	2.5700	8.5300	6.5000	34.06040	65.93960
C0K020548-4	L9F321AL	P3584	2.5900	8.3600	6.3700	34.48873	65.51128
C0K020548-5	L9F331AL	P2875	2.6200	8.6900	6.6400	33.77265	66.22735
C0K020548-6	L9F341AL	P2877	2.6200	8.4700	6.6300	31.45299	68.54700
C0K020548-7	L9F351AL	P2870	2.5600	8.8100	6.5900	35.52000	64.48000
C0K020548-8	L9F361AL	P3583	2.6200	8.9300	7.6600	20.12679	79.87321
C0K020548-9	L9F371AL	P2864	2.6200	8.2200	6.1200	37.50000	62.50000
C0K030589-1	L9HNW1AC	P2858	2.6200	8.3000	7.3700	16.37324	83.62675
C0K030589-2	L9HN01AC	P4313	2.6000	8.5300	7.5900	15.85160	84.14841
C0K030589-3	L9HN21AC	P4312	2.5700	8.7100	7.6600	17.10098	82.89902
C0K030589-4	L9HN31AC	P3187	2.5800	8.1600	7.2500	16.30824	83.69176
C0K030589-5	L9HN51AC	P4315	2.6300	8.8700	7.7900	17.30769	82.69231
C0K040512-1	L9JQ11AF	P3206	2.6500	8.0400	7.4000	11.87384	88.12616
C0K040518-1	L9JRC1AC	P3633	2.6000	8.0700	6.3200	31.99268	68.00732
C0K040522-1	L9JRX1AV	P2860	2.6300	8.4500	6.6100	31.61512	68.38488

RPD 0.73 %

Analyst: [signature] Date: 11-6-10

TestAmerica Pittsburgh

Total Solids/Percent Moisture Worksheet

Total Residue (TS) @ 103 degrees C (+/- 2 degrees C)

Method: 2540G

IN: 11/5/2010 4:02:00 PM
OUT: 11/6/2010 9:30:00 AM

Calculation: (A-C) - (B-C) / (A-C) X 100 = D
E = 100 - D

Analyst: Mansi Modi
Balance ID: 1126472457

QC Batch: 0309253		TARE ID	TARE (g) [C]	SAMPLE + TARE [A]	DRIED SMP + TARE [B]	% MOISTURE [D]	% SOLID [E]
LAB ID	WORKORDER						
C0K020532-1	L9FX71AA	P4314	2.6000	8.0700	6.3800	30.89579	69.10421
C0K030462-1	L9GTX1AA	P2859	2.6300	8.6800	8.4000	4.62811	95.37189
C0K030462-1X	L9GTX1AM	P2862	2.6000	8.8700	8.5900	4.46571	95.53429
C0K040481-1	L9JK61AL	P3639	2.6400	8.3400	6.1500	38.42105	61.57895
C0K040492-6	L9JNR1AA	P2861	2.5800	8.1100	7.2900	14.82821	85.17180
C0K040492-7	L9JNW1AA	P2922	2.6100	8.5600	7.7800	13.10925	86.89075
C0K040492-8	L9JN31AA	P3634	2.6100	8.7800	7.4500	21.55591	78.44408
C0K040492-9	L9JPR1AM	P4517	2.5800	8.8400	7.2800	24.92013	75.07987
C0K040510-1	L9JQV1AF	P2841	2.5900	8.4100	7.6000	13.91752	86.08248
C0K040523-1	L9JTA1AF	P2569	2.6000	8.0600	5.5700	45.60440	54.39560
C0K040525-1	L9JTX1AV	P3559	2.5900	8.1700	5.7100	44.08602	55.91398
C0K040544-4	L9J231AC	P0538	2.5800	8.2200	7.4600	13.47518	86.52482
C0K040544-5	L9J3C1AD	P2833	2.6300	8.6000	7.5700	17.25293	82.74707
C0K040544-6	L9J3E1AE	P3201	2.6200	8.5400	7.5700	16.38513	83.61487
C0K040544-7	L9J3H1AF	P2416	2.6200	8.3500	7.1700	20.59337	79.40663
C0K040544-8	L9J3K1AF	P2409	2.5600	8.6600	7.7800	14.42622	85.57378
C0K040544-9	L9J3M1AG	P2412	2.6400	8.2600	7.4800	13.87900	86.12100

RPD 0.17 %

Analyst: Mansi Modi Date: 11-6-10

TestAmerica Pittsburgh

Total Solids/Percent Moisture Worksheet

Total Residue (TS) @ 103 degrees C (+/- 2 degrees C)

Method: 2540G

IN: 11/5/2010 4:20:00 PM
OUT: 11/6/2010 9:32:00 AM

Calculation: $\frac{(A-C) - (B-C)}{(A-C)} \times 100 = D$

E = 100 - D

Analyst: Mansi Modi
Balance ID: 112642457

QC Batch: 0309249		TARE ID	TARE (g) [C]	SAMPLE + TARE [A]	DRIED SMP + TARE [B]	% MOISTURE [D]	% SOLID [E]
LAB ID	WORKORDER						
C0K030410-1	L9GDN1AA	P3796	2.6200	9.7100	8.4500	17.77151	82.22849
C0K030410-1X	L9GDN1AF	P3092	2.6300	9.7400	8.4000	18.84670	81.15331
C0K030410-2	L9GDR1AA	P3795	2.6100	9.8600	7.9600	26.20689	73.79311
C0K030410-3	L9GDV1AA	P3797	2.6400	9.6600	8.1600	21.36752	78.63248
C0K030562-1	L9HH31AA	P3107	2.6200	9.9000	3.5400	87.36263	12.63737
C0K030562-2	L9HH61AJ	P3088	2.6200	9.8700	4.1800	78.48276	21.51724
C0K030562-3	L9HH81AJ	P3085	2.5800	9.7200	4.1500	78.01120	21.98880
C0K030562-4	L9HH91AJ	P3093	2.6000	9.5500	4.8200	68.05755	31.94245
C0K030562-5	L9HJC1AJ	P3087	2.6100	9.5500	4.5300	72.33430	27.66570
C0K030562-6	L9HJD1AJ	P3799	2.5900	9.5300	4.4800	72.76656	27.23344
C0K030562-7	L9HJF1AJ	P3086	2.6000	9.5400	4.6500	70.46110	29.53890
C0K030562-8	L9HJG1AJ	P3794	2.5800	9.7500	3.4100	88.42399	11.57601
C0K040566-1	L9J751AC	P3090	2.6200	9.9800	8.7400	16.84782	83.15218
C0K040566-2	L9J8X1AC	P3083	2.6200	9.6100	8.3800	17.59656	82.40344
C0K040566-3	L9J831AC	P3089	2.6100	9.7400	8.3700	19.21458	80.78542
C0K040566-4	L9J841AC	P3798	2.6300	9.8700	8.5600	18.09392	81.90608
C0K040566-5	L9J881AC	P3091	2.6500	9.7400	8.6000	16.07898	83.92102
C0K040566-6	L9J891AC	P3084	2.5900	9.7400	9.1400	8.39160	91.60840
C0K040566-7	L9J9C1AC	P3816	2.6100	9.9900	8.7300	17.07317	82.92683
C0K040566-8	L9J9D1AC	P3812	2.6200	9.6100	8.4300	16.88125	83.11875

RPD 1.32%

Analyst: Mansi Modi

Date: 11-6-10

TestAmerica Pittsburgh

Total Solids/Percent Moisture Worksheet

Total Residue (TS) @ 103 degrees C (+/- 2 degrees C)

Method: 2540G

IN: 11/5/2010 3:29:00 PM
OUT: 11/6/2010 9:33:00 AM

Calculation: $\frac{(A-C) - (B-C)}{(A-C)} \times 100 = D$

E = 100 - D

Analyst: Mansi Modi
Balance ID: 1126472457

QC Batch: 0309251		TARE ID	TARE (g) [C]	SAMPLE + TARE [A]	DRIED SMP + TARE [B]	% MOISTURE [D]	% SOLID [E]
LAB ID	WORKORDER						
C0K030568-1	L9HJ01AA	P3565	2.5800	9.8500	6.4400	46.90509	53.09491
C0K030592-1	L9HP61AA	P3560	2.5900	9.8300	8.1100	23.75691	76.24309
C0K030592-2	L9HP81AA	P3195	2.5700	10.0500	8.7600	17.24599	82.75401
C0K030592-3	L9HQA1AA	P3207	2.5900	9.4400	7.9400	21.89780	78.10220
C0K030592-4	L9HQC1AA	P3894	2.6100	9.6800	8.1600	21.49930	78.50070
C0K030592-5	L9HQE1AA	P2869	2.5700	9.8400	8.2400	22.00826	77.99174
C0K030592-6	L9HQH1AA	P3203	2.6300	9.9000	8.4500	19.94498	80.05502
C0K030592-7	L9HQJ1AA	P3643	2.6400	9.8600	8.8000	14.68143	85.31857
C0K030592-7X	L9HQJ1AP	P3626	2.6300	9.8300	8.7800	14.58334	85.41666
C0K030592-8	L9HQN1AA	P3197	2.6100	9.7600	8.7000	14.82518	85.17482

RPD 0.11 %

Analyst: Mansi Modi Date: 11-6-10

6309234
6309235

REQUESTED BY: **WRSOLOSM**

METHOD: J# Moisture, Percent (SM20-2540G)

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD
FREEZER 3	L8X6P-1-AC	___ ___ ___	910174	376450	T-88-J#	C0J220503	001		BIOLOGICAL Dup	1	1
FREEZER 3	L8X65-1-AC	___ ___ ___	910175	376450	T-88-J#	C0J220503	002		BIOLOGICAL	1	1
FREEZER 3	L8X69-1-AC	___ ___ ___	910176	376450	T-88-J#	C0J220503	003		BIOLOGICAL	1	1
FREEZER 3	L8X7C-1-AC	___ ___ ___	910177	376450	T-88-J#	C0J220503	004		BIOLOGICAL	1	1
FREEZER 3	L8X7G-1-AC	___ ___ ___	910178	376450	T-88-J#	C0J220503	005		BIOLOGICAL	1	1
FREEZER 3	L8X7N-1-AC	___ ___ ___	910179	376450	T-88-J#	C0J220503	006		BIOLOGICAL	1	1
FREEZER 3	L8X7R-1-AC	___ ___ ___	910180	376450	T-88-J#	C0J220503	007		BIOLOGICAL	1	1
FREEZER 3	L8X7V-1-AC	___ ___ ___	910181	376450	T-88-J#	C0J220503	008		BIOLOGICAL	1	1
FREEZER 3	L8X7X-1-AC	___ ___ ___	910182	376450	T-88-J#	C0J220503	009		BIOLOGICAL	1	1
FREEZER 3	L8X71-1-AC	___ ___ ___	910183	376450	T-88-J#	C0J220503	010		BIOLOGICAL	1	1
FREEZER 3	L8X72-1-AC	___ ___ ___	910184	376450	T-88-J#	C0J220503	011		BIOLOGICAL	1	1
FREEZER 3	L8X74-1-AC	___ ___ ___	910185	376450	T-88-J#	C0J220503	012		BIOLOGICAL	1	1
FREEZER 3	L8X76-1-AC	___ ___ ___	910186	376450	T-88-J#	C0J220503	013		BIOLOGICAL	1	1
FREEZER 3	L8X77-1-AC	___ ___ ___	910187	376450	T-88-J#	C0J220503	014		BIOLOGICAL	1	1
FREEZER 3	L8X8A-1-AC	___ ___ ___	910188	376450	T-88-J#	C0J220503	015		BIOLOGICAL	1	1
FREEZER 3	L8X8D-1-AC	___ ___ ___	910189	376450	T-88-J#	C0J220503	016		BIOLOGICAL	1	1
FREEZER 3	L8X8F-1-AC	___ ___ ___	910190	376450	T-88-J#	C0J220503	017		BIOLOGICAL	1	1
FREEZER 3	L8X8H-1-AC	___ ___ ___	910191	376450	T-88-J#	C0J220503	018		BIOLOGICAL	1	1
FREEZER 3	L8X8P-1-AC	___ ___ ___	910192	376450	T-88-J#	C0J220503	019		BIOLOGICAL	1	1
FREEZER 3	L8X8X-1-AC	___ ___ ___	910193	376450	T-88-J#	C0J220503	020		BIOLOGICAL	1	1
FREEZER 3	L8X80-1-AC	___ ___ ___	910194	376450	T-88-J#	C0J220503	021		BIOLOGICAL	1	1
FREEZER 3	L8X83-1-AC	___ ___ ___	910195	376450	T-88-J#	C0J220503	022		BIOLOGICAL Dup	1	1
FREEZER 3	L8X84-1-AC	___ ___ ___	910196	376450	T-88-J#	C0J220503	023		BIOLOGICAL	1	1
FREEZER 3	L8X88-1-AC	___ ___ ___	910197	376450	T-88-J#	C0J220503	024		BIOLOGICAL	1	1
FREEZER 3	L8X9D-1-AC	___ ___ ___	910198	376450	T-88-J#	C0J220503	025		BIOLOGICAL	1	1
FREEZER 3	L8X9E-1-AC	___ ___ ___	910199	376450	T-88-J#	C0J220503	026		BIOLOGICAL	1	1

REQUESTED BY: **WESOLOSM**

METHOD: J# Moisture, Percent (SM20-2540G)

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD
FREEZER 3	L8X9G-1-AC	___ ___ ___	910200	376450	T-88-J#	C0J220503	027		BIOLOGICAL	1	1
FREEZER 3	L8X9H-1-AC	___ ___ ___	910201	376450	T-88-J#	C0J220503	028		BIOLOGICAL	1	1
FREEZER 3	L8X9K-1-AC	___ ___ ___	910202	376450	T-88-J#	C0J220503	029		BIOLOGICAL	1	1
FREEZER 3	L8X9M-1-AC	___ ___ ___	910203	376450	T-88-J#	C0J220503	030		BIOLOGICAL	1	1
FREEZER 3	L8X9T-1-AC	___ ___ ___	910204	376450	T-88-J#	C0J220503	031		BIOLOGICAL	1	1
FREEZER 3	L8X9V-1-AC	___ ___ ___	910205	376450	T-88-J#	C0J220503	032		BIOLOGICAL	1	1
FREEZER 3	L8X90-1-AC	___ ___ ___	910206	376450	T-88-J#	C0J220503	033		BIOLOGICAL	1	1
FREEZER 3	L8X91-1-AC	___ ___ ___	910207	376450	T-88-J#	C0J220503	034		BIOLOGICAL	1	1
FREEZER 3	L8X93-1-AC	___ ___ ___	910208	376450	T-88-J#	C0J220503	035		BIOLOGICAL	1	1
FREEZER 3	L8X94-1-AC	___ ___ ___	910209	376450	T-88-J#	C0J220503	036		BIOLOGICAL	1	1
FREEZER 3	L80CA-1-AC	___ ___ ___	910210	376450	T-88-J#	C0J220503	037		BIOLOGICAL	1	1

RELINQUISHED BY	RECEIVED BY	DATE/TIME
Debbie Watson	Debbie Watson	11-5-10 16:30
Debbie Watson	Debbie Watson	11-5-10 18:00

***** END OF REPORT *****

PSR024 11/05/10 11:30:21 MT SAMPLE CUSTODIAN REMOVAL REQUEST # 6309248 PAGE 001

REQUESTED BY: **WATSOND**

METHOD: 0Z Solids, Percent Total (As TS-SM 20 2540G)

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD
21D,OUT	L9FTX-1-AA	___ ___ ___	911172	374256	A-88-0Z	C0K020512	018	-	SOLID	0	2	1
21D,OUT	L9FT1-1-AC	___ ___ ___	911173	374256	A-88-0Z	C0K020512	020	-	SOLID DUP	0	2	1
21D,OUT	L9F3V-1-AA	___ ___ ___	911174	374256	A-88-0Z	C0K020548	001	-	SOLID	0	4	1
21D,OUT	L9F3X-1-AL	___ ___ ___	911175	374256	A-88-0Z	C0K020548	002	-	SOLID	0	4	1
21D,OUT	L9F32-1-AL	___ ___ ___	911176	374256	A-88-0Z	C0K020548	004	-	SOLID	0	4	1
21D,OUT	L9F33-1-AL	___ ___ ___	911177	374256	A-88-0Z	C0K020548	005	-	SOLID	0	4	1
21D,OUT	L9F34-1-AL	___ ___ ___	911178	374256	A-88-0Z	C0K020548	006	-	SOLID	0	4	1
21D,OUT	L9F35-1-AL	___ ___ ___	911179	374256	A-88-0Z	C0K020548	007	-	SOLID	0	4	1
21D,OUT	L9F36-1-AL	___ ___ ___	911180	374256	A-88-0Z	C0K020548	008	-	SOLID	0	3	1
21D,OUT	L9F37-1-AL	___ ___ ___	911181	374256	A-88-0Z	C0K020548	009	-	SOLID	0	4	1
23C,CLP1	L9HNW-1-AC	___ ___ ___	911182	478151	A-88-0Z	C0K030589	001	-	SOLID	0	4	1
23C,CLP1	L9HN0-1-AC	___ ___ ___	911183	478151	A-88-0Z	C0K030589	002	-	SOLID	0	4	1
23C,CLP1	L9HN2-1-AC	___ ___ ___	911184	478151	A-88-0Z	C0K030589	003	-	SOLID	0	4	1
23C,CLP1	L9HN3-1-AC	___ ___ ___	911185	478151	A-88-0Z	C0K030589	004	-	SOLID	0	4	1
23C,CLP1	L9HN5-1-AC	___ ___ ___	911186	478151	A-88-0Z	C0K030589	005	-	SOLID	0	4	1
24C	L9JQ1-1-AF	___ ___ ___	911169	027262	A-88-0Z	C0K040512	001	-	SOLID	0	1	1
24C	L9JRC-1-AC	___ ___ ___	911170	027262	A-88-0Z	C0K040518	001	-	SOLID	0	1	1
24C	L9JRX-1-AV	___ ___ ___	911171	027262	A-88-0Z	C0K040522	001	-	SOLID	0	1	1

REQUESTED BY: **WATSOND**

METHOD: 0Z Solids, Percent Total (As TS-SM 20 2540G)

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD

RELINQUISHED BY	RECEIVED BY	DATE/TIME
[signature]	[signature]	11-5-10 / 1440
Debbie Watson	Debbie Watson	11-5-10 16:04

***** END OF REPORT *****

PSR024 11/05/10 11:33:35 MT SAMPLE CUSTODIAN REMOVAL REQUEST # 0309253 PAGE 001

REQUESTED BY: **WATSOND**

METHOD: 0Z Solids, Percent Total (As TS-SM 20 2540G)

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD
20C, CLP1	L9FX7-1-AA	___ ___ ___	911197	371899	A-88-0Z	C0K020532	001		SOLID	0	4 1
22D	L9GTX-1-AA	___ ___ ___	911198	000280	A-88-0Z	C0K030462	001		SOLID DUP	0	1 1
24B	L9JK6-1-AL	___ ___ ___	911199	429222	A-88-0Z	C0K040481	001		SOLID	0	1 1
24D CLP1 OUT	L9JNR-1-AA	___ ___ ___	911187	429834	A-88-0Z	C0K040492	006		SOLID	0	8 1
24D CLP1 OUT	L9JNW-1-AA	___ ___ ___	911188	429834	A-88-0Z	C0K040492	007		SOLID	0	8 1
24D CLP1 OUT	L9JN3-1-AA	___ ___ ___	911189	429834	A-88-0Z	C0K040492	008		SOLID	0	10 1
24D CLP1 OUT	L9JPR-1-AM	___ ___ ___	911190	429834	A-88-0Z	C0K040492	009		SOLID	0	5 1
24C	L9JQV-1-AF	___ ___ ___	911200	027262	A-88-0Z	C0K040510	001		SOLID	0	1 1
24C	L9JTA-1-AF	___ ___ ___	911201	027262	A-88-0Z	C0K040523	001		SOLID	0	1 1
24C	L9JTX-1-AV	___ ___ ___	911202	027262	A-88-0Z	C0K040525	001		SOLID	0	1 1
24D,CLP1,OUT	L9J23-1-AC	___ ___ ___	911191	355561	A-88-0Z	C0K040544	004		SOLID	0	7 1
24D,CLP1,OUT	L9J3C-1-AD	___ ___ ___	911192	355561	A-88-0Z	C0K040544	005		SOLID	0	7 1
24D,CLP1,OUT	L9J3E-1-AE	___ ___ ___	911193	355561	A-88-0Z	C0K040544	006		SOLID	0	7 1
24D,CLP1,OUT	L9J3H-1-AF	___ ___ ___	911194	355561	A-88-0Z	C0K040544	007		SOLID	0	7 1
24D,CLP1,OUT	L9J3K-1-AF	___ ___ ___	911195	355561	A-88-0Z	C0K040544	008		SOLID	0	7 1
24D,CLP1,OUT	L9J3M-1-AG	___ ___ ___	911196	355561	A-88-0Z	C0K040544	009		SOLID	0	7 1

RELINQUISHED BY	RECEIVED BY	DATE/TIME
[signature]	[signature]	11-5-10 / 1446
Debbie Watson	Debbie Watson	11-5-10 16:05

***** END OF REPORT *****

PSR024 11/05/10 11:35:09 MT SAMPLE CUSTODIAN REMOVAL REQUEST # 6309249 PAGE 001

REQUESTED BY: **WATSOND**

METHOD: 0Z Solids, Percent Total (As TS-SM 20 2540G)

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD
22B	L9GDN-1-AA	___ ___ ___	911219	427449	A-88-0Z	C0K030410	001		SOLID Dup	0	4 1
22B	L9GDR-1-AA	___ ___ ___	911220	427449	A-88-0Z	C0K030410	002		SOLID	0	4 1
22B	L9GDV-1-AA	___ ___ ___	911221	427449	A-88-0Z	C0K030410	003		SOLID	0	4 1
23C	L9HH3-1-AA	___ ___ ___	911211	356280	A-88-0Z	C0K030562	001		SOLID	0	2 1
23C	L9HH6-1-AJ	___ ___ ___	911212	356280	A-88-0Z	C0K030562	002		SOLID	0	2 1
23C	L9HH8-1-AJ	___ ___ ___	911213	356280	A-88-0Z	C0K030562	003		SOLID	0	2 1
23C	L9HH9-1-AJ	___ ___ ___	911214	356280	A-88-0Z	C0K030562	004		SOLID	0	2 1
23C	L9HJC-1-AJ	___ ___ ___	911215	356280	A-88-0Z	C0K030562	005		SOLID	0	2 1
23C	L9HJD-1-AJ	___ ___ ___	911216	356280	A-88-0Z	C0K030562	006		SOLID	0	2 1
23C	L9HJF-1-AJ	___ ___ ___	911217	356280	A-88-0Z	C0K030562	007		SOLID	0	2 1
23C	L9HJG-1-AJ	___ ___ ___	911218	356280	A-88-0Z	C0K030562	008		SOLID	0	2 1
25A CLP1 OUT	L9J75-1-AC	___ ___ ___	911203	431654	A-88-0Z	C0K040566	001		SOLID	0	8 1
25A CLP1 OUT	L9J8X-1-AC	___ ___ ___	911204	431654	A-88-0Z	C0K040566	002		SOLID	0	8 1
25A CLP1 OUT	L9J83-1-AC	___ ___ ___	911205	431654	A-88-0Z	C0K040566	003		SOLID	0	8 1
25A CLP1 OUT	L9J84-1-AC	___ ___ ___	911206	431654	A-88-0Z	C0K040566	004		SOLID	0	8 1
25A CLP1 OUT	L9J88-1-AC	___ ___ ___	911207	431654	A-88-0Z	C0K040566	005		SOLID	0	8 1
25A CLP1 OUT	L9J89-1-AC	___ ___ ___	911208	431654	A-88-0Z	C0K040566	006		SOLID	0	8 1
25A CLP1 OUT	L9J9C-1-AC	___ ___ ___	911209	431654	A-88-0Z	C0K040566	007		SOLID	0	8 1
25A CLP1 OUT	L9J9D-1-AC	___ ___ ___	911210	431654	A-88-0Z	C0K040566	008		SOLID	0	8 1

REQUESTED BY: **WATSOND**

METHOD: 0Z Solids, Percent Total (As TS-SM 20 2540G)

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD

RELINQUISHED BY	RECEIVED BY	DATE/TIME
Debbie Watson	Jana Par	11-5-10 / 1420
Debbie Watson	Debbie Watson	11-5-10 17:00

***** END OF REPORT *****

REQUESTED BY: **WATSOND**

METHOD: 0Z Solids, Percent Total (As TS-SM 20 2540G)

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD
23C OUT	L9HJ0-1-AA	___ ___ ___	911230	061313	A-88-0Z	C0K030568	001		SOLID	0	3	1
23C	L9HP6-1-AA	___ ___ ___	911222	427449	A-88-0Z	C0K030592	001		SOLID	0	4	1
23C	L9HP8-1-AA	___ ___ ___	911223	427449	A-88-0Z	C0K030592	002		SOLID	0	4	1
23C	L9HQA-1-AA	___ ___ ___	911224	427449	A-88-0Z	C0K030592	003		SOLID	0	4	1
23C	L9HQC-1-AA	___ ___ ___	911225	427449	A-88-0Z	C0K030592	004		SOLID	0	4	1
23C	L9HQE-1-AA	___ ___ ___	911226	427449	A-88-0Z	C0K030592	005		SOLID	0	4	1
23C	L9HQH-1-AA	___ ___ ___	911227	427449	A-88-0Z	C0K030592	006		SOLID	0	4	1
23C	L9HQJ-1-AA	___ ___ ___	911228	427449	A-88-0Z	C0K030592	007		SOLID Dup.	0	12	1
23C	L9HQN-1-AA	___ ___ ___	911229	427449	A-88-0Z	C0K030592	008		SOLID	0	4	1

RELINQUISHED BY	RECEIVED BY	DATE/TIME
Debbie Watson	Janea Pe	11-5-10/1420
Debbie Watson	Debbie Watson	11-5-10 17:00

***** END OF REPORT *****

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING (Pittsburgh)

Cyanide Analysis

Analyst L. Johnson **Date** 11.15.10

Data File 111510LN **Method** Kone Lab **Instrument** Konelab

Standard	Lot#	Standard	Lot#
Primary Stock	WC52510	Secondary Stock	WC52210
Mercury II		0.1 N NaOH	NA
WAD Carrier		0.25 N NaOH	WC52210
WAD A	NA	Pyridine-Barbituric Acid	WC52510
WAD B		Chloramine-T	WC52610
WAD AR		Phosphate Buffer	WC52810

SOP Reference: 335.4/9012A PT-WC-018 | 1677 PT-WC-029 | CLP Water/ CLP Soil PT-WC-024

Standards:

Primary	10 PPM STD	WC52610
Secondary	10 PPM STD	WC52610
	0.5 PPM STD	WC52610
	0.25 PPM STD	WC52610
(CCV)	0.10 PPM STD	WC52610
	0.05 PPM STD	WC52610
	0.01 PPM STD	WC52610
	0.005 PPM STD	
(NELAC/CCV)	0.20 PPM STD	WC52610

Lot Number(s)	Batch Number(s)	Method
(OK030562)	311107	9012A
(OK030562)		
(OK030562)		
(OK030562)	311224	9012A
(OK030562)		
(OK030562)		
(OK030562)		
(OK030562)		
(OK030562)		

AquaKem v. 6.5 AQ1 TestAmerica Pittsburgh
Results from time period:
Mon Nov 15 13:07:53 2010
Mon Nov 15 15:53:23 2010

Sample Id	Test short name	Result	Result unit	Final Results	Final Units	Result date and time	Percent Recovery	RPD	Dil. ratio	Manual dil. ratio	Response	True Value	Upload Data?
CN-0.0	CN-EPA	-0.00005	mg/l	-0.00005	mg/l	11/15/10 13:07			0		0.00415		N
CN-.5	CN-EPA	0.00596	mg/l	0.00596	mg/l	11/15/10 13:07			99		0.0114		N
CN-.5	CN-EPA	0.01092	mg/l	0.01092	mg/l	11/15/10 13:07			49		0.01736		N
CN-.5	CN-EPA	0.04914	mg/l	0.04914	mg/l	11/15/10 13:07			9		0.06337		N
CN-.5	CN-EPA	0.0992	mg/l	0.0992	mg/l	11/15/10 13:07			4		0.12363		N
CN-.5	CN-EPA	0.24923	mg/l	0.24923	mg/l	11/15/10 13:07			1		0.30423		N
CN-.5	CN-EPA	0.50061	mg/l	0.50061	mg/l	11/15/10 13:07			0		0.60685		N
NELAC .2	CN-EPA	0.19839	mg/l	0.19839	mg/l	11/15/10 13:14	99.195		0		0.24304	0.2	N
CCB-CN	CN-EPA	-0.00052	mg/l	-0.00052	mg/l	11/15/10 13:14			0		0.00359		N
DIST .05	CN-EPA	0.04545	mg/l	0.04545	mg/l	11/15/10 13:14	90.9		0		0.05893	0.05	N
DIST .25	CN-EPA	0.2342	mg/l	0.2342	mg/l	11/15/10 13:14	93.68		0		0.28615	0.25	N
CCV-CN	CN-EPA	0.09617	mg/l	0.09617	mg/l	11/15/10 13:31	96.17		0		0.11999	0.1	N
VCCB-CN	CN-EPA	-0.00055	mg/l	-0.00055	mg/l	11/15/10 13:31			0		0.00356		N
l92t71ac	CN-EPA	65.91751	mg/l	65.91751	mg/kg	11/15/10 13:31	120.728		0	249	0.32162	54.6	Y
l92t71aa	CN-EPA	0.14254	mg/l	0.14254	mg/kg	11/15/10 13:31			0	49	0.00765		Y
l9hh31a9	CN-EPA	-0.04552	mg/l	-0.04552	mg/kg	11/15/10 13:31			0	49	0.00312		Y
l9hh31ca	CN-EPA	4.0345	mg/l	4.0345	mg/kg	11/15/10 13:31	80.69		0	49	0.10135	5	Y
l9hh31cc	CN-EPA	4.26351	mg/l	4.26351	mg/kg	11/15/10 13:31	85.2702	5.51964	0	49	0.10686	5	Y
l9hh61a9	CN-EPA	0.07164	mg/l	0.07164	mg/kg	11/15/10 13:31			0	49	0.00594		Y
l9hh81a7	CN-EPA	0.02186	mg/l	0.02186	mg/kg	11/15/10 13:31			0	49	0.00474		Y
l9hh91a7	CN-EPA	-0.05427	mg/l	-0.05427	mg/kg	11/15/10 13:32			0	49	0.00291		Y
l9hjc1a7	CN-EPA	-0.04563	mg/l	-0.04563	mg/kg	11/15/10 13:32			0	49	0.00312		Y
l9hjd1a7	CN-EPA	-0.02746	mg/l	-0.02746	mg/kg	11/15/10 13:39			0	49	0.00356		Y
CCV-CN	CN-EPA	0.09861	mg/l	0.09861	mg/l	11/15/10 13:39	98.61		0		0.12292	0.1	N
VCCB-CN	CN-EPA	-0.00072	mg/l	-0.00072	mg/l	11/15/10 13:39			0		0.00335		N
l9hjf1a7	CN-EPA	-0.06763	mg/l	-0.06763	mg/kg	11/15/10 13:39			0	49	0.00259		Y
l9hjg1a7	CN-EPA	-0.06304	mg/l	-0.06304	mg/kg	11/15/10 13:39			0	49	0.0027		Y
l9x0x1aa	CN-EPA	-0.03661	mg/l	-0.03661	mg/kg	11/15/10 13:39			0	49	0.00333		Y
l9x1a1aa	CN-EPA	-0.07197	mg/l	-0.07197	mg/kg	11/15/10 13:39			0	49	0.00248		Y
l9x1a1dt	CN-EPA	2.48822	mg/l	2.48822	mg/kg	11/15/10 13:39	49.7644		0	49	0.06412	5	Y
l9x1c1aa	CN-EPA	-0.07846	mg/l	-0.07846	mg/kg	11/15/10 13:39			0	49	0.00233		Y
l9x1e1am	CN-EPA	0.73537	mg/l	0.73537	mg/kg	11/15/10 13:39			0	49	0.02192		Y
l9x1m1aa	CN-EPA	-0.08209	mg/l	-0.08209	mg/kg	11/15/10 13:39			0	49	0.00224		Y
l9x1p1am	CN-EPA	-0.00102	mg/l	-0.00102	mg/kg	11/15/10 13:44			0	49	0.00419		Y
l9x111am	CN-EPA	-0.06655	mg/l	-0.06655	mg/kg	11/15/10 13:44			0	49	0.00261		Y
CCV-CN	CN-EPA	0.10012	mg/l	0.10012	mg/l	11/15/10 13:44	100.12		0		0.12474	0.1	N
VCCB-CN	CN-EPA	-0.00108	mg/l	-0.00108	mg/l	11/15/10 13:44			0		0.00291		N
l9x121am	CN-EPA	0.02112	mg/l	0.02112	mg/kg	11/15/10 13:44			0	49	0.00472		Y
l92k11a2	CN-EPA	0.22249	mg/l	0.22249	mg/kg	11/15/10 13:44			0	49	0.00957		Y
CCV-CN	CN-EPA	0.10323	mg/l	0.10323	mg/l	11/15/10 13:47	103.23		0		0.12848	0.1	N
VCCB-CN	CN-EPA	-0.00108	mg/l	-0.00108	mg/l	11/15/10 13:47			0		0.00292		N
CCV-CN	CN-EPA	0.0972	mg/l	0.0972	mg/l	11/15/10 15:24	97.2		0		0.12122	0.1	N
VCCB-CN	CN-EPA	0.00009	mg/l	0.00009	mg/l	11/15/10 15:24			0		0.00433		N
l93fg1ac	CN-EPA	0.19866	mg/l	198.66	ug/l	11/15/10 15:24	99.33		0	0	0.24337	200	Y
l93fg1aa	CN-EPA	0.0083	mg/l	8.3	ug/l	11/15/10 15:24			0	0	0.01421		Y
l9hke1ar	CN-EPA	0.02317	mg/l	23.17	ug/l	11/15/10 15:24			0	0	0.03211		Y
~~l9hkk1ar~~	~~CN-EPA~~	~~1.25206~~	~~mg/l~~	~~1252.06~~	~~ug/l~~	~~11/15/10 15:24~~			~~0~~	~~0~~	~~1.51145~~		~~N~~
l9hq11aj	CN-EPA	0.01068	mg/l	10.68	ug/l	11/15/10 15:24			0	0	0.01708		Y
l9hq21aj	CN-EPA	0.01345	mg/l	13.45	ug/l	11/15/10 15:24			0	0	0.02041		Y
l9hq31aj	CN-EPA	0.00765	mg/l	7.65	ug/l	11/15/10 15:24			0	0	0.01343		Y
l9hq51aj	CN-EPA	0.00257	mg/l	2.57	ug/l	11/15/10 15:24			0	0	0.00731		Y
l9hq71aj	CN-EPA	0.0017	mg/l	1.7	ug/l	11/15/10 15:24			0	0	0.00626		Y
l9hq81aj	CN-EPA	-0.00062	mg/l	-0.62	ug/l	11/15/10 15:31			0	0	0.00347		Y
CCV-CN	CN-EPA	0.09535	mg/l	0.09535	mg/l	11/15/10 15:31	95.35		0		0.11899	0.1	N
VCCB-CN	CN-EPA	-0.00036	mg/l	-0.00036	mg/l	11/15/10 15:31			0		0.00379		N
~~l9hq91aj~~	~~CN-EPA~~	~~0.01516~~	~~mg/l~~	~~15.16~~	~~ug/l~~	~~11/15/10 15:31~~			~~0~~	~~0~~	~~0.01404~~		~~N~~
l9hrc1aj	CN-EPA	0.00747	mg/l	7.47	ug/l	11/15/10 15:31			0	0	0.01321		Y
l9hrd1aj	CN-EPA	0.00036	mg/l	0.36	ug/l	11/15/10 15:31			0	0	0.00465		Y
l9hrf1aj	CN-EPA	0.00198	mg/l	1.98	ug/l	11/15/10 15:31			0	0	0.0066		Y
l9jae1aj	CN-EPA	0.00517	mg/l	5.17	ug/l	11/15/10 15:31			0	0	0.01044		Y
l9jar1aj	CN-EPA	0.00042	mg/l	0.42	ug/l	11/15/10 15:31			0	0	0.00473		Y
l9j351a5	CN-EPA	0.00338	mg/l	3.38	ug/l	11/15/10 15:31			0	0	0.00828		Y
l9j351c3	CN-EPA	0.099	mg/l	99	ug/l	11/15/10 15:31	95.62		0	0	0.12339	100	Y
l9l031ax	CN-EPA	0.00585	mg/l	5.85	ug/l	11/15/10 15:38			0	0	0.01126		Y
l9ppn1cu	CN-EPA	0.00436	mg/l	4.36	ug/l	11/15/10 15:38			0	0	0.00947		Y
CCV-CN	CN-EPA	0.09954	mg/l	0.09954	mg/l	11/15/10 15:38	99.54		0		0.12404	0.1	N
VCCB-CN	CN-EPA	-0.00068	mg/l	-0.00068	mg/l	11/15/10 15:38			0		0.0034		N
l9ppv1cu	CN-EPA	0.00513	mg/l	5.13	ug/l	11/15/10 15:38			0	0	0.01039		Y
l9ppv1cw	CN-EPA	0.09572	mg/l	95.72	ug/l	11/15/10 15:38	90.59		0	0	0.11945	100	Y
l9ppv1cx	CN-EPA	0.1039	mg/l	103.9	ug/l	11/15/10 15:38	98.77	8.19557	0	0	0.12929	100	Y
l9ppw1cu	CN-EPA	0.02087	mg/l	20.87	ug/l	11/15/10 15:38			0	0	0.02934		Y
l9pp01cu	CN-EPA	0.01049	mg/l	10.49	ug/l	11/15/10 15:38			0	0	0.01684		Y
l9hkk1ar	CN-EPA	1.95963	mg/l	1959.63	ug/l	11/15/10 15:41			9	0	0.24012		Y
CCV-CN	CN-EPA	0.0991	mg/l	0.0991	mg/l	11/15/10 15:44	99.1		0		0.12351	0.1	N
VCCB-CN	CN-EPA	-0.00098	mg/l	-0.00098	mg/l	11/15/10 15:44			0		0.00303		N
l9hq91aj	CN-EPA	0.01385	mg/l	13.85	ug/l	11/15/10 15:51			0	0	0.02089		Y

Sample Id	Test short name	Result	Result unit	Final Results	Final Units	Result date and time	Percent Recovery	RPD	Dil. ratio	Manual dil. ratio	Response	True Value	Upload Data?
CCV-CN	CN-EPA	0.10007	mg/l	0.10007	mg/l	11/15/10 15:53	100.07		0		0.12468	0.1	N
VCCB-CN	CN-EPA	-0.0008	mg/l	-0.0008	mg/l	11/15/10 15:53			0		0.00326		N

Laboratory
Analyzer User

15.11.2010 13:21

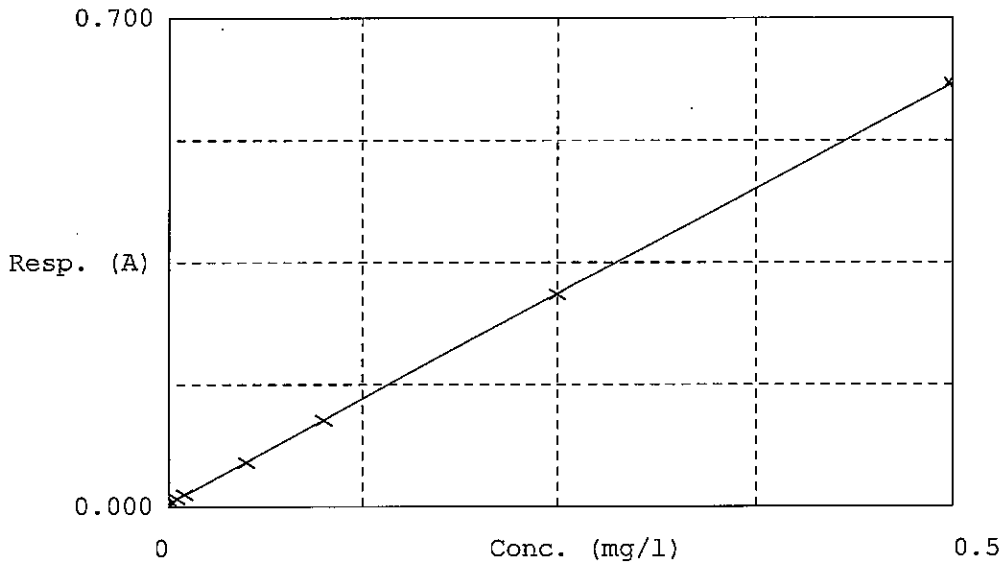
Test CN-EPA

Accepted 15.11.2010 13:14

Factor 0.831
Bias 0.004

Coeff. of det. 0.999980

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	CN-0.0	0.004	-0.00005	0.00000	
2	CN-.5	0.011	0.00596	0.00500	
3	CN-.5	0.017	0.01092	0.01000	
4	CN-.5	0.063	0.04914	0.05000	
5	CN-.5	0.124	0.09920	0.10000	
6	CN-.5	0.304	0.24923	0.25000	
7	CN-.5	0.607	0.50061	0.50000	
8	CCB-CN(control)	0.004	-0.00052	0.00000	
9	DIST .05(contro	0.059	0.04545	0.05000	
10	DIST .25(contro	0.286	0.23420	0.25000	
11	NELAC .2(contro	0.243	0.19839	0.20000	

TestAmerica Pittsburgh

Total CN 9012A Distillation Worksheet

Batch No: 0319107

Method Total CN 9012A	**Matrix** Solid	**Lot Numbers** C0K030562, C0K120411, C0K130492
Start Time 08:45	**Stop Time** 10:15	
Start Temp. 21	**Stop Temp.** 188	
Analyst Paul Johnson	**Date** 11/15/10	
Analyst Sign:		

Sample ID	Initial Wt/Vol g/mL	Final Vol mL	Expiration Date	Sulfide Present (Y/N) [1]	Comments
L92T71AA B					
L92T71AC C					
L92K11A2			2010-11-19		
L9HH31A9					
L9HH31CA S					
L9HH61A9					
L9HH31CC D					
L9HH81A7					
L9HH91A7					
L9HJC1A7					
L9HJD1A7					
L9HJF1A7					
L9HJG1A7					
L9X0X1AA					
L9X111AM			2010-11-19		
L9X121AM			2010-11-19		
L9X1A1AA					
L9X1C1AA					
L9X1A1DT S					
L9X1E1AM					
L9X1M1AA					
L9X1P1AM					

[1] If sulfides are present, treat sample with powdered cadmium or lead carbonate until there is no reaction to the lead acetate paper.

SAMPLE CODING: B-Blank C-Check L-Check Duplicate S-Matrix Spike D-Matrix Spike Duplicate X-Sample Duplicate

Reagents:

NaOH, WC5529-10, STANDARDS LOG
Sulfuric Acid, WC4374-10, STANDARDS LOG
Magnesium Chloride, WC4908-10, STANDARDS
Sulfamic Acid, WC3807-10, STANDARDS LOG

NOTE: Distillates are disposed of 14 days after analysis

Balance ID:	25606
Pipet #:	C30216
LCS True Value:	54.6 MG/KG
LCS StdsLogID:	WC1750-10
MS/MSD Conc.:	5 MG/KG
MS/MSD StdsLogID:	WC5815-10
Glass or Plastic Beads:	**Standard ID**

Digestate(s)	(Received) Date	Time	Analyst	Location	(Relinquished) Date	Time	Analyst	Location

Additional Comments:

Reviewed By: 4262 **Date:** 11/15/10

WC-100-0319107 (4001-4267)

C0K030562

PSR024 11/15/10 4:58:34 MT SAMPLE CUSTODIAN REMOVAL REQUEST PAGE 001

9319167

REQUESTED BY: **JOHNSONP**

METHOD: QP Cyanide, Total

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD
23C	L9HH3-1-A9		916762	356280	A-06-QP	C0K030562	001		SOLID	2	1
23C	L9HH6-1-A9		916763	356280	A-06-QP	C0K030562	002		SOLID	2	1
23C	L9HH8-1-A7		916764	356280	A-06-QP	C0K030562	003		SOLID	2	1
23C	L9HH9-1-A7		916765	356280	A-06-QP	C0K030562	004		SOLID	2	1
23C	L9HJC-1-A7		916766	356280	A-06-QP	C0K030562	005		SOLID	2	1
23C	L9HJD-1-A7		916767	356280	A-06-QP	C0K030562	006		SOLID	2	1
23C	L9HJF-1-A7		916768	356280	A-06-QP	C0K030562	007		SOLID	2	1
23C	L9HJG-1-A7		916769	356280	A-06-QP	C0K030562	008		SOLID	2	1
4C OUT	L9X0X-1-AA		916770	433004	A-06-QP	C0K120411	001		SOLID	1	1
4C OUT	L9X1A-1-AA		916771	433004	A-06-QP	C0K120411	005		SOLID	3	1
4C OUT	L9X1C-1-AA		916772	433004	A-06-QP	C0K120411	006		SOLID	1	1
4C OUT	L9X1E-1-AM		916773	433004	A-06-QP	C0K120411	007		SOLID	3	1
4C OUT	L9X1M-1-AA		916774	433004	A-06-QP	C0K120411	011		SOLID	1	1
4C OUT	L9X1P-1-AM		916775	433004	A-06-QP	C0K120411	012		SOLID	3	1
4C OUT	L9X11-1-AM		916776	433004	A-06-QP	C0K120411	016		SOLID	1	1
4C OUT	L9X12-1-AM		916777	433004	A-06-QP	C0K120411	017		SOLID	3	1
5C	L92K1-1-A2		916778	432370	A-06-QP	C0K130492	001		SOLID	3	1

REQUESTED BY: **JOHNSONP**

METHOD: QP Cyanide, Total

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD

RELINQUISHED BY	RECEIVED BY	DATE/TIME
		11-15-10 0710
		11-15-10 0845

***** END OF REPORT *****

TestAmerica Pittsburgh | ***Total CN 9012A Distillation Worksheet*** | **Batch No: 0319261**

Method Total CN 9012A	**Matrix** Water	**Lot Numbers** C0K030568, C0K030594, C0K040431, C0K040551, C0K050507, C0K080462
Start Time 13:10	**Stop Time** 14:40	
Start Temp. 21	**Stop Temp.** 188	
Analyst Paul Johnson	**Date** 11/15/10	
Analyst Sign:		

Sample ID	Initial Wt/Vol g/mL	Final Vol mL	Expiration Date	Sulfide Present (Y/N) [1]	Comments
L93FG1AA B	50	50	NA	NA	
L93FG1AC C			NA	NA	
L9HKE1AR			11-14-10	N	
L9HKK1AR					
L9HQ11AJ					
L9HQ21AJ					
L9HQ31AJ					
L9HQ51AJ					
L9HQ71AJ					
L9HQ81AJ					
L9HQ91AJ					
L9HRC1AJ					
L9HRD1AJ					
L9HRF1AJ			11-14-10		
L9J351A5			2010-11-17		
L9JAE1AJ			11-14-10		
L9J351C3 S			11-17-10		11-15-10
L9JAR1AJ			11-14-10		
L9L031AX			2010-11-18		
L9PP01CU			11-14-10		
L9PPN1CU					
L9PPV1CU					
L9PPV1CW S					
L9PPW1CU					
L9PPV1CX D	50	50	11-14-10	N	

[1] If sulfides are present, treat sample with powdered cadmium or lead carbonate until there is no reaction to the lead acetate paper.

SAMPLE CODING: B-Blank C-Check L-Check Duplicate S-Matrix Spike D-Matrix Spike Duplicate X-Sample Duplicate

Reagents:

NaOH, WC5529-10, STANDARDS LOG — Sulfuric Acid, WC4374-10, STANDARDS LOG

Magnesium Chloride, WC4908-10, STANDARDS — Sulfamic Acid, WC3807-10, STANDARDS LOG

NOTE: Distillates are disposed of 14 days after analysis

Balance ID:	25606
Pipet #:	C30216
LCS True Value:	0.2 PPM
LCS StdsLogID:	WC5815-10
MS/MSD Conc.:	0.1 PPM
MS/MSD StdsLogID:	WC5815-10
Glass or Plastic Beads: Standard ID	NA

Digestate(s)	(Received) Date	Time	Analyst	Location	(Relinquished) Date	Time	Analyst	Location
All	11-15-10	1440			11-15-10	1545		

Additional Comments:

Reviewed By: Chuck Kieda 4265 **Date:** 11/15/10

WC-100-0319261 (4001-4267)

C0K030562

PSR024 11/15/10 7:36:00 MT SAMPLE CUSTODIAN REMOVAL REQUEST 031 9461 PAGE 001

REQUESTED BY: **JOHNSONP**

METHOD: QP Cyanide, Total

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD
CLP1,27D	L9PPV-1-CU		917049	104643	I-06-QP	C0K080462	007		WATER	6	1
CLP1,27D	L9PPW-1-CU		917050	104643	I-06-QP	C0K080462	008		WATER	6	1
CLP1,27D	L9PP0-1-CU		917051	104643	I-06-QP	C0K080462	009		WATER	6	1
23C OUT	L9HKE-1-AR		917032	061313	I-06-QP	C0K030568	002		WATER	5	1
23C OUT	L9HKK-1-AR		917033	061313	I-06-QP	C0K030568	003		WATER	5	1
24A,B,CLP1,OUT	L9HQ1-1-AJ		917034	131369	I-06-QP	C0K030594	006		WATER	12	1
24A,B,CLP1,OUT	L9HQ2-1-AJ		917035	131369	I-06-QP	C0K030594	007		WATER	12	1
24A,B,CLP1,OUT	L9HQ3-1-AJ		917036	131369	I-06-QP	C0K030594	008		WATER	12	1
24A,B,CLP1,OUT	L9HQ5-1-AJ		917037	131369	I-06-QP	C0K030594	009		WATER	12	1
24A,B,CLP1,OUT	L9HQ7-1-AJ		917038	131369	I-06-QP	C0K030594	010		WATER	12	1
24A,B,CLP1,OUT	L9HQ8-1-AJ		917039	131369	I-06-QP	C0K030594	011		WATER	12	1
24A,B,CLP1,OUT	L9HQ9-1-AJ		917040	131369	I-06-QP	C0K030594	012		WATER	22	1
24A,B,CLP1,OUT	L9HRC-1-AJ		917041	131369	I-06-QP	C0K030594	013		WATER	12	1
24A,B,CLP1,OUT	L9HRD-1-AJ		917042	131369	I-06-QP	C0K030594	014		WATER	12	1
24A,B,CLP1,OUT	L9HRF-1-AJ		917043	131369	I-06-QP	C0K030594	015		WATER	12	1
24C CLP1 OUT	L9JAE-1-AJ		917044	131369	I-06-QP	C0K040431	009		WATER	12	1
24C CLP1 OUT	L9JAR-1-AJ		917045	131369	I-06-QP	C0K040431	010		WATER	12	1
25A,OUT	L9J35-1-A5		917046	339021	I-06-QP	C0K040551	001		WATER	11	1
25C,OUT	L9L03-1-AX		917047	435048	I-06-QP	C0K050507	001		WATER	9	1
27D	L9PPN-1-CU		917048	104643	I-06-QP	C0K080462	004		WATER	3	1

REQUESTED BY: **JOHNSONP**

METHOD: QP Cyanide, Total

STORAGE LOCATION	WORK ORDER #	PICKED CNTR#	CONTROL #	CLIENT #	ANALYSIS	LOTID	SMP#	SFX	MATRIX DESCRIPTION	QTY RCVD	QTY REQD

RELINQUISHED BY	RECEIVED BY	DATE/TIME
P Faust	L. Johnson	11/5/10 1000
L. Johnson	P Faust	11/5/10 1910

***** END OF REPORT *****

APPENDIX G

DATA VALIDATION REPORTS
(PLUS COMPACT DISK)

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Attachment J-1 Data Validation Reports – 2008 Samples [CD only]

Attachment J-2 Data Validation Reports – 2010 Samples [CD only]

ACRONYMS AND ABBREVIATIONS

J	Estimated concentration (data qualifier)
MDLs	Method Detection Limits
NYSDEC	New York State Department of Environmental Conservation
PCBs	Polychlorinated biphenyls
QAPP	Quality Assurance Project Plan
QC	Quality Control
RLs	Reporting Limits
SVOC	Semivolatile Organic Compounds
TA	TestAmerica (analytical laboratory)
TAL	Target analyte list
UJ	Not-detected with estimated detection limit (data qualifier)
USEPA	US Environmental Protection Agency
VOC	Volatile Organic Compounds

1 INTRODUCTION

This appendix contains the chemical data usability summaries for samples collected in May 2008, October 2010 from Koppers Pond and the Outlet Channels, and the October 2010 samples collected from the Reference Pond. AMEC Earth & Environmental (AMEC) validated the samples collected in 2008, while Integral Consulting (Integral) performed the data validation of the 2010 samples.

A data usability assessment is used to evaluate whether analytical data points are scientifically valid and defensible, and of a sufficient level of precision, accuracy, representativeness, completeness, comparability and sensitivity to support the project goals. Overall, our review of the results indicates the data are generally usable and of good quality to support the project goals and data quality objectives as outlined in the Koppers Pond *Quality Assurance Project Plan* (April 2008).

The analytical data validation reports for the 2010 sample collections are provided in electronic format as part of this appendix. The analytical data reports for the 2010 are provided in electronic format in Appendix K. The analytical data reports for the 2008 samples are provided in Appendix G of the *Site Characterization Study Report*. The key usability results are provided below by media.

2 DATA USABILITY SUMMARY FOR 2008 SAMPLE COLLECTIONS

Samples collected in 2008 included surface water, sediments and fish from Koppers Pond. These samples were validated by AMEC chemists. The data validation reports are provided in Attachment J-1 on the report CD.

2.1 SURFACE WATER AND SEDIMENT SAMPLES

None of the surface water or sediment were rejected. Therefore, 100% of the data should be considered valid which meets the 90% project data quality objective. The types of qualifications applied to the dataset included non-detected data and estimated data.

Non-detected Qualified Data

A number of detected metal, VOC, SVOC, pesticide, and conventional chemistry results were qualified as non-detected because of contamination in the associated laboratory and/or trip blanks or interferences.

Estimated Data

Portions of the VOC, SVOC, pesticide, PCB, metals, AVS/SEM, TOC, and conventional chemistry data were qualified as estimated due to calibration issues, matrix interferences, low and high matrix spike recoveries, field duplicate imprecision, low and high surrogate recoveries, low and high internal standard recoveries, serial dilution results, high percent moisture results, exceeded holding times, and concentrations between the MDLs and RLs.

2.2 FISH SAMPLES

AMEC's review indicates the data for the fish tissue samples were generally usable and of good quality. Approximately 2% of the results were rejected; therefore, 98% of the data should be considered valid, which meets the 90% project data quality objective. Although review of the initial results of fish tissue percent lipid analyses showed no technical validation issues, it was apparent that the reported values were anomalously low based on AMEC's experience in fish tissue evaluations. To confirm these unanticipated lipid results, samples were forwarded to the TestAmerica laboratory in Burlington, Vermont, for comparative analysis of both lipid content and PCBs. The data received from the TestAmerica Burlington re-analyses showed lipid contents that were in-line with expectations and higher PCB concentrations than were reported from the analyses in the TestAmerica Pittsburgh laboratory.

AMEC investigated the fish tissue handling, preparation, extraction, and analytical methods employed by both TestAmerica laboratories and determined the only identified difference between the two laboratories was the use of a Tekmar Tissumizer® during sample preparation at the TestAmerica Burlington laboratory. AMEC, as well as, TestAmerica laboratory staff feel that the tool effectively breaks down the tissue to the cellular level, allowing for a greater extraction efficiency of both the lipids and PCBs compared to other tissue processing methods.

Although both the TestAmerica Pittsburgh and the TestAmerica Burlington data were developed in accordance with USEPA and NYSDEC methods, the TestAmerica Burlington data in fish were considered more representative of the lipid content of these samples and more useful in assessing the dose of PCBs for project purposes.

The types of qualifications applied to the dataset included rejected data, non-detect data and estimated data.

Rejected Data

A single non-detected 4,4'-DDT result was rejected because of a very low matrix spike recovery. In addition, the chromium and/or vanadium results in a number of samples were rejected because of associated blank results above the CRQL.

Non-detected Qualified Data

A number of detected metal and pesticide results were U qualified as non-detected because of contamination in the associated laboratory blanks or interferences. Results that were U qualified as non-detected were not further qualified due to other associated QC outliers.

Estimated Data

Portions of the PCB, pesticide and metals data were qualified as estimated due to high and low surrogate recoveries, high and low matrix spike recoveries, serial dilution imprecision, and concentrations between the MDLs and RLs.

3 DATA USABILITY SUMMARY FOR 2010 SAMPLE COLLECTIONS

Samples collected in 2010 included sediments, fish and vegetation from Koppers Pond and the reference pond. These samples were validated by Integral chemists. The three SDGs were compiled into a single Data Validation Report, which is provided in Attachment J-2 on the report CD.

A total of 1,841 data points were reported. A total of 1,374 results (74.6 percent) were estimated (J/UJ), and five of these results were also qualified as not detected (U). One hundred seventy one results were labeled do-not-report to indicate a more appropriate result exists. No data were rejected and completeness was 100 percent. A summary of all qualified results is presented in Table 3-2 in Attachment J2. Some results were qualified for multiple reasons so the sum of the qualifiers is greater than the number of qualified results.

The data meets the criteria set forth in the referenced quality assurance documents, with the exceptions noted above. Data that has been labeled do-not-report should not be used for any purpose. All other results are acceptable for their intended use as qualified.

3.1 SEDIMENT AND MUDFLAT SAMPLES

Two sediment composite samples from the Reference Pond (one unsieved and one sieved at 0.5 mm size), five samples collected for sediment toxicity testing from Koppers Pond, and three mudflat soil samples from the Outlet/Mudflat area were analyzed for TCL SVOCs, Aroclor PCBs, TOC and TAL metals. The sediment toxicity bioassay report results did not undergo third party data validation.

Rejected Data

None of the analytical results for the sediment samples were rejected.

Non-detected Qualified Data

None of the detected metal or Aroclor PCB results were U qualified as non-detected because of contamination in the associated laboratory blanks or interferences.

Estimated Data

Portions of the SVOCs, PCB, and metals data were qualified as estimated due to elevated moisture contents in the sediment samples. Antimony and cyanide were qualified as estimated results in the three Outlets/Mudflat Area samples due to matrix spike recoveries outside of the

control limits. The cyanide data were qualified as estimates in the sediment toxicity samples due to exceeding the holding time.

3.2 FISH SAMPLES

Five gamefish samples collected from the Reference Pond and a single composite of forage fish from West Outlet were collected in October 2010. These were analyzed for Aroclor PCBs, total lipids, and TAL metals by the TA-Burlington laboratory. These results were reported in a single laboratory report (SDG 200-2079-1).

The Aroclor PCB analyses were originally reported at detection limit greater than specified in the Koppers Pond QAPP. Therefore, the Aroclor PCB fractions of these samples were re-analyzed at a lower detection limit.

Rejected Data

None of the analytical results for the fish samples were rejected. However, some of the Aroclor PCB results were labeled as "do-not-report" since they were originally analyzed at an inappropriate detection limit.

Non-detected Qualified Data

None of the detected metal or Aroclor PCB results were U qualified as non-detected because of contamination in the associated laboratory blanks or interferences.

Estimated Data

Portions of the PCB, and metals data were qualified as estimated due to exceeding holding times (re-analyzed Aroclor PCB samples), matrix spike recoveries (zinc only), and serial dilution imprecision (lead only).

3.3 VEGETATION SAMPLES

Seven samples of aquatic and terrestrial vegetation were collected in 2010 from Koppers Pond and the Reference Pond. These were analyzed for Aroclor PCBs and metals by the TA-Burlington laboratory. These results were reported in a single laboratory report (SDG 200-2079-1). The Aroclor PCB analyses were originally reported at detection limit greater than specified in the Koppers Pond QAPP. Therefore, the Aroclor PCB fractions of these samples were re-analyzed at a lower detection limit.

Rejected Data

None of the analytical results for the vegetation samples were rejected. However, some of the Aroclor PCB results were labeled as "do-not-report" since they were originally analyzed at an inappropriate detection limit.

Non-detected Qualified Data

None of the detected metal or Aroclor PCB results were U qualified as non-detected because of contamination in the associated laboratory blanks or interferences.

Estimated Data

Portions of the PCB, and metals data were qualified as estimated due to exceeding holding times (re-analyzed Aroclor PCB samples), high and low surrogate recoveries, high and low matrix spike recoveries, and serial dilution imprecision.

4 DATA ASSESSMENT SYNOPSIS

Based on the Data Validation performed on the 2008 and 2010 samples collected for this project, the percent completeness for useable data ranged from 98 to 100%, which meets the 90% project data quality objective. The project QA program identified issues with the PCB analyses for the 2008 and 2010 samples, and appropriate mitigative control measures were taken to provide data for the project. Some of the chemical results were qualified as estimates, but can still be used as reported to support the risk assessments and risk management.

DATA QUALITY REVIEW AND VALIDATION REPORT

Koppers Pond
Kentucky Avenue Wellfield Site
Operable Unit 4
Horseheads, New York

Organic Analyses Data
Samples Collected May 16, 2008
SDG 8E170109

Prepared for:

Koppers Pond PRP Group

Prepared by:

AMEC Earth & Environmental, Inc.
2 Robbins Road
Westford, MA 01886

773580000

September 2008

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Table 2 Data Validation Qualifiers

ACRONYMS & ABBREVIATIONS

°C	degrees Celsius
AMEC	AMEC Earth & Environmental, Inc.
CLP	USEPA Contract Laboratory Program
COC	chain of custody
DCB	decachlorobiphenyl
EPA	United States Environmental Protection Agency
ID	site identification
LCS	laboratory control sample
MS	matrix spike
MSD	matrix spike duplicate
OSWER	EPA Office of Solid Waste and Emergency Response
QAPP	Quality Assurance Project Plan
QC	quality control
PCB	polychlorinated biphenyl
SDG	sample delivery group
TA	Test America
TCMX	tetrachloro-m-xylene

1.0 INTRODUCTION

This data quality review and validation report covers 22 fish tissue samples from the Koppers Pond site located in Horseheads, New York. The samples were collected on May 16, 2008 and submitted to Test America (TA) in South Burlington, Vermont on August 27, 2008. The samples were assigned sample delivery group (SDG) 8E170109. The following analyses were performed on these samples:

- Percent Lipids by laboratory specified method; and
- Polychlorinated biphenyls (PCBs) as Aroclors by United States Environmental Protection Agency (EPA) SW-846 Method 8082.

A list of these samples by field sample identification (ID) and TA sample ID is presented in Table 1.

2.0 DATA QUALITY REVIEW AND DATA VALIDATION METHODOLOGY

AMEC Earth & Environmental, Inc. (AMEC) performed this data quality review and validation with reference to the EPA Office of Solid Waste and Emergency Response (OSWER), National Functional Guidelines for Organic Data Review (October 1999), including Region II modifications, if any, and associated method quality control (QC) requirements. These EPA guidelines were written specifically for the Contract Laboratory Program (CLP), and have been modified for the purposes of this data quality review and validation where they differ from method and Quality Assurance Project Plan (QAPP) QC requirements.

AMEC's data validation methodology complied with the validation procedures specified in the Koppers Pond QAPP (AMEC, 2008). The laboratory's raw analytical data packages were reviewed to assess the criteria outlined in QAPP:

- Data completeness;
- Holding times;
- Calibration;
- Blanks;
- Matrix spike/matrix spike duplicate (MS/MSD) samples;
- Laboratory control samples (LCSs);

- Detection limits;
- Sample dilutions;
- Instrument performance;
- Surrogate recoveries; and
- Compound identification.

In general, it is important to recognize that no analytical data are guaranteed to be correct, even if all QC audits are passed. Strict QC serves to increase confidence in data, but any reported value may potentially contain error.

In accordance with the specifications of QAPP, the data validation process comprised 20% full validation of the raw analytical data and 80% data quality review for all methods, based on information provided by the laboratory as summary reporting forms. Data that underwent data quality review and data validation are indicated on Table 1.

3.0 EXECUTIVE SUMMARY

The majority of data are generally usable and of good quality.

PCB results from several samples were qualified as estimated due to low surrogate recoveries.

One hundred percent of the data should be considered usable, which meets the 90% data quality objective.

4.0 SPECIFIC DATA VALIDATION FINDINGS FOR EACH ANALYTICAL METHOD

Sections 4.1 to 4.3 of this Data Validation Report contain narrative descriptions of data validation findings and data quality limitations. Definitions of data qualifiers added during validation and summaries of specific qualifiers added to each affected sample as a result of the data validation findings are presented in Table 2.

4.1 Data Deliverables

The submitted data packages contained all documentation elements required for full validation.

4.2 Chain of Custody and Sample Receipt Condition Documentation

TA received all samples in good condition and at less than the EPA-recommended temperature of 6 degrees Celsius (°C). There were no anomalies associated with sample receipt condition or chain of custody (COC) documentation.

4.3 Polychlorinated Biphenyls as Aroclors by USEPA SW-846 Method 8082

PCB results generated by TA for the samples covered in this report are considered usable with the qualifications described in Sections 4.3.1 through 4.3.7.

4.3.1 Holding Times

All samples were extracted and analyzed within the QAPP-specified maximum holding time of 14 days from thawing of fish tissue to extraction and 40 days from extraction to analysis.

4.3.2 Initial Calibration

The method-specified percent relative standard deviation (%RSD) and retention time criteria were met for the initial calibrations associated with the PCB sample analysis.

4.3.3 Continuing Calibration

The method-specified percent difference (%D) and retention time criteria were met for the continuing calibrations associated with the PCB sample analysis.

4.3.4 Blanks

No target analytes were detected in the laboratory blanks associated with the PCB sample analysis.

4.3.5 Surrogate Recoveries

Surrogate recoveries associated with the PCB sample analysis outside the laboratory-specified acceptance limits are described in the following table.

Sample Identification	Surrogate	Recovery	Effects on Data Usability
CC08-04	Tetrachloro-m-xylene (TCMX)	56%/55%	This sample was analyzed at a 10-fold dilution; therefore, data usability could not be fully evaluated. Qualification of data is not required.
	Decachlorobiphenyl (DCB)	57%/52%	
LB08-02	DCB	58%/60%	AMEC J qualified the detected PCB results and UJ qualified the nondetected PCB results from these samples because of possible low bias.
LB08-05	DCB	64%	
BC08-02	DCB	58%/64%	
LB08-04	DCB	63%/64%	
WS08-04	DCB	53%/54%	
WS08-02	DCB	61%/62%	

4.3.6 Matrix Spike/Matrix Spike Duplicate Recovery

MS/MSD recoveries were within the laboratory-specified limits for the PCB sample analysis.

4.3.7 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for the PCB sample analysis.

5.0 SUMMARY AND CONCLUSIONS

AMEC's review indicates the data from this event are generally usable and of good quality. The types of qualifications applied to the dataset included estimated data (J or UJ).

Estimated Data. Portions of the PCB data were qualified as estimated due to low surrogate recoveries.

Data Completeness Assessment. A total of 154 data records were evaluated during the data validation and review of the sample results. Of the total data records, 42 records (27%) were qualified as estimated concentrations. Estimated concentrations may be associated with either the nondetected results (UJ) or the concentration of detected target analytes (J).

One hundred percent of the data should be considered valid, which meets the 90% project data quality objective.

REFERENCES

AMEC, 2008. Sampling and Analysis Plan, Volume II - Quality Assurance Project Plan, Koppers Pond, Kentucky Avenue Wellfield Site, Operable Unit 4, Horseheads, New York.

EPA, 1999. *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, USEPA-540-R-99-008.

LIMITATIONS

This report was prepared exclusively for Koppers Pond PRP Group by AMEC Earth & Environmental, Inc. (AMEC). The quality of information, conclusions, and estimates contained herein is consistent with the level of effort involved in AMEC services and based on: i) information available at the time of preparation, ii) data supplied by outside sources, and iii) the assumptions, conditions, and qualifications set forth in this report. This Data Validation Report is intended to be used by Koppers Pond PRP Group for the Remedial Investigation/Feasibility Study, Koppers Pond, Kentucky Avenue Wellfield Superfund Site, Operable Unit 4, Horseheads, New York only, subject to the terms and conditions of its contract with AMEC. Any other use of, or reliance on, this report by any third party is at that party's sole risk.

TABLES

TABLE 1
Field Samples Submitted to TestAmerica
Koppers Pond
SDG 8E170109

Sample ID	Collection Date	Matrix	TestAmerica Sample ID	Data Validation Level	PCBs	Lipid Content	Notes
CC08-04	5/16/2008	Tissue	765839	Full	√	√	MS/MSD
CC08-01	5/16/2008	Tissue	765840	Full	√	√	
LB08-06	5/16/2008	Tissue	765841	Full	√	√	
FF08-01	5/16/2008	Tissue	765842	Full	√	√	
LB08-01	5/16/2008	Tissue	765845	DQR	√		
LB08-02	5/16/2008	Tissue	765846	DQR	√	√	
LB08-05	5/16/2008	Tissue	765847	DQR	√	√	
BC08-02	5/16/2008	Tissue	765848	DQR	√	√	
BC08-01	5/16/2008	Tissue	765849	DQR	√	√	
CC08-02	5/16/2008	Tissue	765850	DQR	√	√	
CC08-05	5/16/2008	Tissue	765851	DQR	√	√	
LB08-03	5/16/2008	Tissue	765852	DQR	√		
LB08-04	5/16/2008	Tissue	765853	DQR	√	√	
WS08-05	5/16/2008	Tissue	765855	DQR	√	√	
WS08-01	5/16/2008	Tissue	765856	DQR	√	√	
WS08-04	5/16/2008	Tissue	765857	DQR	√	√	
WS08-02	5/16/2008	Tissue	765858	DQR	√	√	MS/MSD
BC08-04	5/16/2008	Tissue	765860	DQR	√	√	
FF08-02	5/16/2008	Tissue	765862	DQR	√	√	
FF08-05	5/16/2008	Tissue	765863	DQR	√	√	
FF08-04	5/16/2008	Tissue	765864	DQR	√	√	
FF08-06	5/16/2008	Tissue	765865	DQR	√		

DQR = Data quality review as described by Section 10.2.1 of the Quailty Assurance Project Plan,
Quality Assurance Project Plan, Koppers Pond, Kentucky Avenue Wellfield Site, Operable Unit 4, April 2008
ID = identification
MS/MSD = matrix spike/matrix spike duplicate
PCBs = polychlorinated biphenyls
SDG = sample delivery group

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG 8E170109

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
LB08-02	Aroclor-1016	20	ug/Kg	SW846 8082	UJ	LS
LB08-02	Aroclor-1221	20	ug/Kg	SW846 8082	UJ	LS
LB08-02	Aroclor-1232	20	ug/Kg	SW846 8082	UJ	LS
LB08-02	Aroclor-1242	20	ug/Kg	SW846 8082	UJ	LS
LB08-02	Aroclor-1248	20	ug/Kg	SW846 8082	UJ	LS
LB08-02	Aroclor-1254	120	ug/Kg	SW846 8082	J	LS
LB08-02	Aroclor-1260	20	ug/Kg	SW846 8082	UJ	LS
LB08-05	Aroclor-1016	20	ug/Kg	SW846 8082	UJ	LS
LB08-05	Aroclor-1221	20	ug/Kg	SW846 8082	UJ	LS
LB08-05	Aroclor-1232	20	ug/Kg	SW846 8082	UJ	LS
LB08-05	Aroclor-1242	20	ug/Kg	SW846 8082	UJ	LS
LB08-05	Aroclor-1248	20	ug/Kg	SW846 8082	UJ	LS
LB08-05	Aroclor-1254	140	ug/Kg	SW846 8082	J	LS
LB08-05	Aroclor-1260	20	ug/Kg	SW846 8082	UJ	LS
BC08-02	Aroclor-1016	20	ug/Kg	SW846 8082	UJ	LS
BC08-02	Aroclor-1221	20	ug/Kg	SW846 8082	UJ	LS
BC08-02	Aroclor-1232	20	ug/Kg	SW846 8082	UJ	LS
BC08-02	Aroclor-1242	20	ug/Kg	SW846 8082	UJ	LS
BC08-02	Aroclor-1248	20	ug/Kg	SW846 8082	UJ	LS
BC08-02	Aroclor-1254	130	ug/Kg	SW846 8082	J	LS
BC08-02	Aroclor-1260	35	ug/Kg	SW846 8082	J	LS
LB08-04	Aroclor-1016	10	ug/Kg	SW846 8082	UJ	LS
LB08-04	Aroclor-1221	10	ug/Kg	SW846 8082	UJ	LS
LB08-04	Aroclor-1232	10	ug/Kg	SW846 8082	UJ	LS
LB08-04	Aroclor-1242	10	ug/Kg	SW846 8082	UJ	LS
LB08-04	Aroclor-1248	10	ug/Kg	SW846 8082	UJ	LS
LB08-04	Aroclor-1254	73	ug/Kg	SW846 8082	J	LS
LB08-04	Aroclor-1260	17	ug/Kg	SW846 8082	J	LS
WS08-04	Aroclor-1016	20	ug/Kg	SW846 8082	UJ	LS
WS08-04	Aroclor-1221	20	ug/Kg	SW846 8082	UJ	LS
WS08-04	Aroclor-1232	20	ug/Kg	SW846 8082	UJ	LS
WS08-04	Aroclor-1242	20	ug/Kg	SW846 8082	UJ	LS
WS08-04	Aroclor-1248	20	ug/Kg	SW846 8082	UJ	LS
WS08-04	Aroclor-1254	130	ug/Kg	SW846 8082	J	LS

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG 8E170109

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
WS08-04	Aroclor-1260	20	ug/Kg	SW846 8082	UJ	LS
WS08-02	Aroclor-1016	30	ug/Kg	SW846 8082	UJ	LS
WS08-02	Aroclor-1221	30	ug/Kg	SW846 8082	UJ	LS
WS08-02	Aroclor-1232	30	ug/Kg	SW846 8082	UJ	LS
WS08-02	Aroclor-1242	30	ug/Kg	SW846 8082	UJ	LS
WS08-02	Aroclor-1248	30	ug/Kg	SW846 8082	UJ	LS
WS08-02	Aroclor-1254	290	ug/Kg	SW846 8082	J	LS
WS08-02	Aroclor-1260	38	ug/Kg	SW846 8082	J	LS

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG 8E170109

Reason Code:

LS - Low surrogate recovery

Validation Codes:

J - The J qualifier indicates that the associated result is quantitatively uncertain. J qualifiers added during validation may indicate a concentration between the method detection limit (MDL) and the reporting limit (RL), or a data limitation related to a QC element that exceeds required acceptance limits.

UJ - The UJ qualifier indicates the RL is estimated. UJ qualifiers added during validation may indicate either a high or low bias related to a QC element that exceeds required acceptance limits.

DATA QUALITY REVIEW AND VALIDATION REPORT

Koppers Pond
Kentucky Avenue Wellfield Site
Operable Unit 4
Horseheads, New York

Organic Analyses Data
Samples Collected May 16, 2008
SDG 8H050180

Prepared for:

Koppers Pond PRP Group

Prepared by:

AMEC Earth & Environmental, Inc.
2 Robbins Road
Westford, MA 01886

773580000

September 2008

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ACRONYMS & ABBREVIATIONS

°C	degrees Celsius
AMEC	AMEC Earth & Environmental, Inc.
CLP	USEPA Contract Laboratory Program
COC	chain of custody
DCB	decachlorobiphenyl
EPA	United States Environmental Protection Agency
ID	identification
LCS	laboratory control sample
MS	matrix spike
MSD	matrix spike duplicate
OSWER	EPA Office of Solid Waste and Emergency Response
QAPP	Quality Assurance Project Plan
QC	quality control
PCB	polychlorinated biphenyl
SDG	sample delivery group
TA	Test America
TCMX	tetrachloro-m-xylene

1.0 INTRODUCTION

This data quality review and validation report covers eight fish tissue samples from the Koppers Pond site located in Horseheads, New York. The samples were collected on May 16, 2008 and submitted to Test America (TA) in South Burlington, Vermont on August 7, 2008. The samples were assigned sample delivery group (SDG) 8H050180. The following analyses were performed on these samples:

- Percent Lipids by laboratory specified method; and
- Polychlorinated biphenyls (PCBs) as Aroclors by United States Environmental Protection Agency (EPA) SW-846 Method 8082.

A list of these samples by field sample identification (ID) and TA sample ID is presented in Table 1.

2.0 DATA QUALITY REVIEW AND DATA VALIDATION METHODOLOGY

AMEC Earth & Environmental, Inc. (AMEC) performed this data quality review and validation with reference to the EPA Office of Solid Waste and Emergency Response (OSWER) National Functional Guidelines for Organic Data Review (October 1999), including Region II modifications, if any, and associated method quality control (QC) requirements. These EPA guidelines were written specifically for the Contract Laboratory Program (CLP), and have been modified for the purposes of this data quality review and validation where they differ from method and Quality Assurance Project Plan (QAPP) QC requirements.

AMEC's data validation methodology complied with the validation procedures specified in the Koppers Pond QAPP (AMEC, 2008). The laboratory's raw analytical data packages were reviewed to assess the criteria outlined in QAPP:

- Data completeness;
- Holding times;
- Calibration;
- Blanks;
- Matrix spike/matrix spike duplicate (MS/MSD) samples;
- Laboratory control samples (LCSs);

- Detection limits;
- Sample dilutions;
- Instrument performance;
- Surrogate recoveries; and
- Compound identification.

In general, it is important to recognize that no analytical data are guaranteed to be correct, even if all QC audits are passed. Strict QC serves to increase confidence in data, but any reported value may potentially contain error.

In accordance with the specifications of QAPP, the data validation process comprised 20% full validation of the raw analytical data and 80% data quality review for all methods, based on information provided by the laboratory as summary reporting forms. Data that underwent data quality review and data validation are indicated on Table 1.

3.0 EXECUTIVE SUMMARY

The majority of data are generally usable and of good quality.

PCB results from one sample were qualified as estimated due to a low surrogate recovery.

One hundred percent of the data should be considered usable, which meets the 90% data quality objective.

4.0 SPECIFIC DATA VALIDATION FINDINGS FOR EACH ANALYTICAL METHOD

Sections 4.1 to 4.3 of this Data Validation Report contain narrative descriptions of data validation findings and data quality limitations. Definitions of data qualifiers added during validation and summaries of specific qualifiers added to each affected sample as a result of the data validation findings are presented in Table 2.

4.1 Data Deliverables

The submitted data packages contained all documentation elements required for full validation.

4.2 Chain of Custody and Sample Receipt Condition Documentation

TA received all samples in good condition and at less than the EPA-recommended temperature of 6 degrees Celsius (°C). There were no anomalies associated with sample receipt condition or chain of custody (COC) documentation.

4.3 Polychlorinated Biphenyls as Aroclors by USEPA SW-846 Method 8082

PCB results generated by TA for the samples covered in this report are considered usable with the limitations described in Sections 4.3.1 through 4.3.6.

4.3.1 Holding Times

All samples were extracted and analyzed within the QAPP-specified maximum holding time of 14 days from thawing of fish tissue to extraction and 40 days from extraction to analysis.

4.3.2 Initial Calibration

The method-specified percent relative standard deviation (%RSD) and retention time criteria were met for the initial calibrations associated with the PCB sample analysis.

4.3.3 Continuing Calibration

The method-specified percent difference (%D) and retention time criteria were met for the continuing calibrations associated with the PCB sample analysis.

4.3.4 Blanks

No target analytes were detected in the laboratory blanks associated with the PCB sample analysis.

4.3.5 Surrogate Recoveries

Surrogate recoveries associated with the PCB sample analysis outside the laboratory-specified acceptance limits are described in the table below.

Sample Identification	Surrogate	Recovery	Effects on Data Usability
CC08-03A	Tetrachloro-m-xylene (TCMX)	56%	This sample was analyzed at a five-fold dilution; therefore, data usability could not be fully evaluated. Qualification of data is not required.
	Decachlorobiphenyl (DCB)	61%	
FF08-03	DCB	60%	AMEC J qualified the detected PCB results and UJ qualified the nondetected PCB results from this sample because of possible low bias.

4.3.6 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for the PCB sample analysis.

5.0 SUMMARY AND CONCLUSIONS

AMEC's review indicates the data from this event are generally usable and of good quality. The types of qualifications applied to the dataset included estimated data (J or UJ).

Estimated Data. Portions of the PCB data were qualified as estimated due to a low surrogate recovery.

Data Completeness Assessment. A total of 56 data records were evaluated during the data validation and review of the sample results. Seven records (13%) were qualified as estimated concentrations. Estimated concentrations may be associated with either the nondetected results (UJ) or the concentration of detected target analytes (J).

One hundred percent of the data should be considered valid which meets the 90% project data quality objective.

REFERENCES

AMEC, 2008. Sampling and Analysis Plan, Volume II - Quality Assurance Project Plan, Koppers Pond, Kentucky Avenue Wellfield Site, Operable Unit 4, Horseheads, New York.

EPA, 1999. *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, USEPA-540-R-99-008.

LIMITATIONS

This report was prepared exclusively for Koppers Pond PRP Group by AMEC Earth & Environmental, Inc. (AMEC). The quality of information, conclusions, and estimates contained herein is consistent with the level of effort involved in AMEC services and based on: i) information available at the time of preparation, ii) data supplied by outside sources, and iii) the assumptions, conditions, and qualifications set forth in this report. This Data Validation Report is intended to be used by Koppers Pond PRP Group for the Remedial Investigation/Feasibility Study, Koppers Pond, Kentucky Avenue Wellfield Superfund Site, Operable Unit 4, Horseheads, New York only, subject to the terms and conditions of its contract with AMEC. Any other use of, or reliance on, this report by any third party is at that party's sole risk.

TABLES

TABLE 1
Field Samples Submitted to TestAmerica
Koppers Pond
SDG 8H050180

Sample ID	Collection Date	Matrix	TestAmerica Sample ID	Data Validation Level	PCBs	Lipid Content	Notes
CC08-03	5/16/2008	Tissue	762794	Full	√	√	
CC08-03A	5/16/2008	Tissue	762794A	Full	√	√	
LB08-01	5/16/2008	Tissue	762795	DQR		√	
LB08-03	5/16/2008	Tissue	762796	DQR		√	
WS08-03	5/16/2008	Tissue	762797	DQR	√	√	
FF08-06	5/16/2008	Tissue	762798	DQR		√	
FF08-03	5/16/2008	Tissue	762799	DQR	√	√	
FF08-03A	5/16/2008	Tissue	762799A	DQR	√	√	

DQR = Data quality review as described by Section 10.2.1 of the Quailty Assurance Project Plan,
Quality Assurance Project Plan, Koppers Pond, Kentucky Avenue Wellfield Site, Operable Unit 4, April 2008
ID = identification
PCBs = polychlorinated biphenyls
SDG = sample delivery group

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG 8H050180

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
FF08-03	Aroclor-1016	30	ug/Kg	SW846 8082	UJ	LS
FF08-03	Aroclor-1221	30	ug/Kg	SW846 8082	UJ	LS
FF08-03	Aroclor-1232	30	ug/Kg	SW846 8082	UJ	LS
FF08-03	Aroclor-1242	30	ug/Kg	SW846 8082	UJ	LS
FF08-03	Aroclor-1248	30	ug/Kg	SW846 8082	UJ	LS
FF08-03	Aroclor-1254	290	ug/Kg	SW846 8082	J	LS
FF08-03	Aroclor-1260	44	ug/Kg	SW846 8082	J	LS

Reason Code:

LS - Low surrogate recovery

Validation Codes:

J - The J qualifier indicates that the associated result is quantitatively uncertain. J qualifiers added during validation may indicate a concentration between the method detection limit (MDL) and the re limit (RL), or a data limitation related to a QC element that exceeds required acceptance limits.

UJ - The UJ qualifier indicates the RL is estimated. UJ qualifiers added during validation may indicate either a high or low bias related to a QC element that exceeds required acceptance limits.

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG 8H050180

eporting

DATA QUALITY REVIEW AND VALIDATION REPORT

Koppers Pond
Kentucky Avenue Wellfield Site
Operable Unit 4
Horseheads, New York

Organic and Inorganic Analyses Data
Samples Collected May 12, 2008

Prepared for:

Koppers Pond PRP Group

Prepared by:

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July 2008

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Table 2 Data Validation Qualifiers

ACRONYMS & ABBREVIATIONS

℃	degrees Celsius
%D	percent deviation or percent drift in relative response
%RSD	percent relative standard deviation
µg/L	micrograms per liter
AMEC	AMEC Earth & Environmental, Inc.
CCV	continuing calibration verification
CLP	USEPA Contract Laboratory Program
COC	chain of custody
CRI	CRQL check standard
CRQL	contract-required quantitation limit
EPA	United States Environmental Protection Agency
GC/MS	gas chromatography/mass spectrometry
ICP	inductively coupled plasma
ICS	interference check sample
ICV	initial calibration verification
ID	site identification
IS	internal standard
LCS	laboratory control sample
LCSD	laboratory control sample duplicate
MDL	method detection limit
MS	matrix spike
MSD	matrix spike duplicate
OSWER	EPA Office of Solid Waste and Emergency Response
QAPP	Quality Assurance Project Plan
QC	quality control
PCB	polychlorinated biphenyl
RL	reporting limit

RRF	relative response factor
SDG	sample delivery group
SM	Standard Methods
SVOCs	semivolatile organic compounds
TA	Test America
TAL	Target Analyte List
TCMX	tetrachloro-meta-xylene
TSS	total suspended solids
VOCs	volatile organic compounds

1.0 INTRODUCTION

This data quality review and validation report covers 10 surface water samples from the Koppers Pond site located in Horseheads, New York. The samples were collected on May 12, 2008 and submitted to Test America (TA) in Pittsburgh, Pennsylvania on May 14, 2008. The samples were assigned sample delivery group (SDG) C8E140218. The following analyses were performed on these samples:

- Total and Dissolved Target Analyte List (TAL) metals by Environmental Protection Agency (EPA) SW-846 Methods 6020/7470A;
- Total cyanide by EPA SW-846 Method 9012A;
- Ammonia Nitrogen by EPA Method 350.1;
- Total hardness as $CaCO_3$ by Standard Methods (SM) 2340-C;
- Nitrite by EPA Method 9056A;
- Total suspended solids (TSS) by SM 2540D;
- Fluoride by SM 4500-F C;
- Semivolatile organic compounds (SVOCs) by EPA SW-846 Method 8270C;
- Volatile organic compounds (VOCs) by EPA SW-846 Method 8260B;
- Pesticides by EPA SW-846 Method 8081A;
- Polychlorinated biphenyls (PCBs) as Aroclors by EPA SW-846 Method 8082.

A list of these samples by field sample identification (ID), TA sample ID is presented in Table 1.

2.0 DATA QUALITY REVIEW AND DATA VALIDATION METHODOLOGY

AMEC Earth & Environmental, Inc. (AMEC) performed this data quality review and validation with reference to the EPA Office of Solid Waste and Emergency Response (OSWER) National Functional Guidelines for Inorganic Data Review (October 2004), National Functional Guidelines for Organic Data Review (October 1999) including Region II modifications, if any, and associated method quality control requirements .

These EPA guidelines were written specifically for the Contract Laboratory Program (CLP), and have been modified for the purposes of this data quality review and validation where they differ from method and Quality Assurance Project Plan (QAPP) quality control (QC) requirements.

AMEC's data validation methodology complied with the validation procedures specified in the Koppers Pond QAPP, dated April 2008. The laboratory's raw analytical data packages were reviewed to assess the criteria outlined in QAPP:

- Data completeness;
- Holding times;
- Calibration;
- Blanks;
- Inductively coupled plasma (ICP) check sample;
- Matrix spike / matrix spike duplicate samples (MS/MSD);
- Laboratory duplicate samples;
- Field Duplicates;
- Laboratory control samples (LCS);
- ICP serial dilution;
- Detection limits;
- Sample dilutions;
- Gas chromatography/mass spectrometry (GC/MS) tuning;
- Instrument performance;
- Surrogate recoveries;
- Internal standards (IS); and
- Compound identification.

In general, it is important to recognize that no analytical data are guaranteed to be correct, even if all QC audits are passed. Strict QC serves to increase confidence in data, but any reported value may potentially contain error.

In accordance with the specifications of QAPP, the data validation process comprised 20% full validation of the raw analytical data and 80% data quality review for all methods, based on information provided by the laboratory as summary reporting forms. Data that underwent data quality review and data validation are indicated on Table 1.

3.0 EXECUTIVE SUMMARY

The data are generally usable and of good quality.

A number of detected metal and SVOC results were U qualified as nondetected because of contamination in the associated laboratory blanks.

No data were rejected and 100% of the data should be considered valid which meets the 90% data quality objective.

4.0 SPECIFIC DATA VALIDATION FINDINGS FOR EACH ANALYTICAL METHOD

Sections 4.1 to 4.8 of this Data Validation Report contain narrative descriptions of data validation findings and data quality limitations. Definitions of data qualifiers added during validation and summaries of specific qualifiers added to each affected sample as a result of the data validation findings are presented in Table 2.

4.1 Data Deliverables

The submitted data packages contained all documentation elements required for full validation.

4.2 Chain of Custody and Sample Receipt Condition Documentation

All samples were received at TA in good condition and at less than the EPA-recommended temperature of 6 degrees Celsius (°C). There were no anomalies associated with sample receipt condition or chain of custody (COC) documentation, except as described below.

The Case Narrative states that samples were received on May 19, 2008. According to the COC and Cooler Receipt form the samples were received on May 14, 2008. AMEC confirmed with the laboratory that the samples were received on May 14, 2008. Data usability is not affected by the reporting error.

4.3 Volatile Organic Compounds by EPA SW-846 Method 8260B

VOC results generated by TA for samples covered in this report are considered usable with the limitations described in Sections 4.3.1 through 4.3.9.

4.3.1 Holding Times

All aqueous samples were analyzed within the QAPP-specified maximum holding time of 10 days for analysis of preserved samples.

4.3.2 Initial Calibration

The method-specified minimum relative response factor (RRF) and percent relative standard deviation (%RSD) criteria were met for the initial calibrations associated with VOC analysis of the samples covered in this report.

4.3.3 Continuing Calibration

The Region II-specified minimum RRF and percent deviation or percent drift (%D) criteria were met for the continuing calibration verifications (CCVs) associated with VOC analysis of the samples covered in this report.

4.3.4 Blanks

VOCs were not detected in the laboratory blanks associated with the VOC sample analysis.

4.3.5 Surrogate Recoveries

All surrogate recoveries were within the laboratory-specified limits for VOC analysis of the samples covered in this report.

4.3.6 Laboratory Control Sample Recoveries

All LCS recoveries were within the laboratory-specified limits for VOC analysis of the samples covered in this report.

4.3.7 Matrix Spike/Matrix Spike Duplicate Recovery

MS/MSD recoveries were within the laboratory-specified limits for VOC analysis of the samples covered in this report.

4.3.8 Internal Standard Recoveries

IS recoveries were all within the method-specified 50% to 200% acceptance limits for the VOC sample analysis covered in this report.

4.3.9 Data Reporting

The laboratory J qualified detected results with concentrations between the reporting limit (RL) and method detection limit (MDL). AMEC concurs that these results are quantitative estimates and J qualified these results.

4.4 Semivolatile Organic Compounds by EPA SW-846 Method 8270C

SVOC results generated by TA for the samples covered in this report are considered usable with the limitations described in Sections 4.4.1 through 4.4.9.

4.4.1 Holding Times

All samples were extracted and analyzed within the QAPP-specified maximum holding time of 7 days for aqueous extraction and 40 days for analysis.

4.4.2 Initial Calibration

The Region II-specified minimum RRF and %RSD criteria not met for the initial calibrations associated with the SVOC sample analysis are described below.

The benzaldehyde %RSD of 38.7% was greater than the Region II-specified 15% RSD acceptance limit in the initial calibration analyzed on May 2, 2008 on instrument 71. AMEC J qualified the detected benzaldehyde results and UJ qualified the nondetected benzaldehyde results from the following samples because of possible bias in the analytical results: SW08-13, SW08-10, SW08-08, SW08-05, SW08-04, SW08-02, SW08-17, SW08-16, SW08-15, and SW08-14.

4.4.3 Continuing Calibration

The Region II-specified minimum RRF and %D criteria were met for the continuing calibrations associated with the SVOC sample analysis, except as described below.

- The benzaldehyde (41.2%, bias high), hexachlorocyclopentadiene (25.6%, bias low), indeno(1,2,3-cd)pyrene (26.3, bias low), dibenz(a,h)anthracene (30.8%, bias low), and the benzo(g,h,i)perylene (27.6%, bias low) %Ds in the CCV analyzed on May 19, 2008 on instrument 71 were outside the Region II-specified ±20% acceptance limit. Specific limitations include the following:
  - AMEC J qualified the detected benzaldehyde results from the following samples because of possible high bias in the analytical results: SW08-04 and SW08-15.
  - AMEC UJ qualified the nondetected hexachlorocyclopentadiene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, and benzo(g,h,i)perylene results from the following samples because of possible bias in the analytical results: SW08-13, SW08-10, SW08-08, SW08-05, SW08-04, SW08-02, SW08-17, SW08-16, SW08-15, and SW08-14.

4.4.4 Laboratory Blank

Qualification to samples as a result of SVOCs detected in the associated laboratory blank is described in the following table.

Blank ID	Detected Analytes	Analyte Concentration	Sample Results U Qualified as Nondetected because of Associated Blank Results
Method Blank KM8V51AA	Bis(2-ethylhexyl)phthalate	0.94 micrograms per liter (µg/L)	SW08-13 SW08-10 SW08-08 SW08-05 SW08-04 SW08-02 SW08-17 SW08-16 SW08-15 SW08-14
	Butylbenzylphthalate	0.17 µg/L	
	Caprolactam	0.95 µg/L	

4.4.5 Surrogate Recoveries

Surrogate recoveries were within the laboratory-specified limits for the SVOC sample analysis.

4.4.6 Laboratory Control Sample Recoveries

LCS recoveries were within the laboratory-specified limits for the SVOC sample analysis.

4.4.7 MS/MSD Recovery

MS/MSD recoveries were within the laboratory-specified limits for the SVOC sample analysis.

4.4.8 Internal Standard Recoveries

IS recoveries were within the method-specified 50% to 200% acceptance limits for the SVOC sample analysis.

4.4.9 Data Reporting

The laboratory J qualified detected results with concentrations between the RL and MDL. AMEC concurs that these results are quantitative estimates and J qualified (unless U qualified due to blank contamination) these results.

4.5 Pesticides by EPA SW-846 Method 8081A

Pesticide results generated by TA for the samples covered in this report may be considered usable and without qualification.

4.5.1 Holding Times

All samples were extracted and analyzed within the QAPP-specified maximum holding time of 7 days for aqueous extraction and 40 days for analysis.

4.5.2 Initial Calibration

The method-specified %RSD and retention time criteria were met for the initial calibrations associated with the pesticide sample analysis.

4.5.3 Continuing Calibration

The method-specified %D and retention time criteria were met for the continuing calibrations associated with the pesticide sample analysis.

4.5.4 Laboratory Blank

No target analytes were detected in the laboratory blank associated with the pesticide analysis.

4.5.5 Surrogate Recoveries

Surrogate recoveries associated with the pesticide sample analysis were within laboratory-specified acceptance limits.

4.5.6 Matrix Spike/Matrix Spike Duplicate Accuracy and Precision

MS/MSD recoveries were within the laboratory-specified limits for the pesticide sample analysis.

4.5.7 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for the pesticide sample analysis.

4.6 PCBs as Aroclors by EPA SW-846 Method 8082

PCB results generated by TA for the samples covered in this report may be considered usable and without qualification.

4.6.1 Holding Times

All samples were extracted and analyzed within the QAPP-specified maximum holding time of 7 days for aqueous extraction and 40 days for PCB analysis.

4.6.2 Initial Calibration

The method-specified %RSD and retention time criteria were met for the initial calibrations associated with the PCB sample analysis.

4.6.3 Continuing Calibration

The method-specified %D and retention time criteria were met for the continuing calibrations associated with the PCB sample analysis.

4.6.4 Laboratory Blank

No target analytes were detected in the laboratory blank associated with the PCB sample analysis.

4.6.5 Surrogate Recoveries

Surrogate recoveries associated with the PCB sample analysis were within the laboratory-specified acceptance limits.

4.6.6 Matrix Spike/Matrix Spike Duplicate Accuracy and Precision

MS/MSD recoveries were within the laboratory-specified limits for the PCB sample analysis.

4.6.7 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for the PCB sample analysis.

4.7 Target Analyte List Metals by EPA SW-846 Methods 6020/7470A

Samples covered in this report underwent total and dissolved metals analysis by EPA SW-846 Methods 6020/7470A at TA. The results are usable with the limitations and exceptions described in Sections 4.7.1 through 4.7.9.

4.7.1 Holding Times

All samples were analyzed for metals within the QAPP-specified technical holding time of 180 days and for mercury within the QAPP-specified technical holding time of 26 days.

4.7.2 Initial Calibration

The initial calibrations associated with the analysis of these samples met the method-specified acceptance criteria.

4.7.3 Initial and Continuing Calibration Verification

All initial calibration verifications (ICVs) and CCVs associated with the analysis of these samples met the method-specified acceptance criteria.

4.7.4 Contract-required Quantitation Limit Check Standard

All contract-required quantitation limit (CRQL) check standards (CRIs) associated with the analysis of these samples met the method-specified acceptance criteria.

4.7.5 Blanks

Initial and Continuing Calibration Blanks

Target analytes detected at concentrations greater than the MDL in calibration blanks associated with the metals sample analysis are described in the following table.

Blank ID	Detected Analytes	Analyte Concentration	Sample Results U Qualified as Nondetected because of Associated Calibration Blank Results	
			Total	Dissolved
CCB1 5/29/08 ICPMS	Magnesium	3.63 µg/L	Not applicable	None
	Potassium	6.37 µg/L	Not applicable	None
CCB4 5/29/08 ICPMS	Magnesium	6.10 µg/L	None	Not applicable
	Thallium	0.02 µg/L	SW08-05 SW08-04 SW08-02	Not applicable

Preparation Blanks

Target analytes detected at concentrations greater than the MDL in preparation blanks associated with the metals sample analysis are described in the following table.

Blank ID	Detected analytes	Analyte concentration	Sample Results U Qualified as Nondetected because of Associated Preparation Blank Results	
			Total	Dissolved
C8E290000-250	Chromium	0.28 µg/L	None	Not Applicable
	Thallium	0.073 µg/L	SW08-13 SW08-10 SW08-08 SW08-05 SW08-04 SW08-02	Not Applicable
C8E290000-	Chromium	0.15 µg/L	Not Applicable	None

Blank ID	Detected analytes	Analyte concentration	Sample Results U Qualified as Nondetected because of Associated Preparation Blank Results	
			Total	Dissolved
245	Iron	23.6 µg/L	Not Applicable	SW08-13 SW08-10 SW08-08 SW08-05 SW08-04 SW08-02 SW08-17 SW08-16 SW08-14 SW08-15
	Potassium	7.4 µg/L	Not Applicable	None

4.7.6 Inductively Coupled Plasma Interference Check Sample

All interference check samples (ICSs) exhibited recoveries within the 80% to 120% method-specified acceptance limits.

4.7.7 Laboratory Control Sample Recovery

Recoveries were within the method-specified acceptance limits in all LCS samples associated with the metals sample analysis.

4.7.8 ICP Serial Dilution

Serial dilution analysis was performed on sample SW08-14. Analytes not meeting the method-specified criteria of less than 10 percent difference for analytes with concentrations greater than 50-times the MDL are described below:

The percent difference between the total chromium (17.9%), total zinc (10.5%), and dissolved lead (18.8%) serial dilution results in sample SW08-14 were greater than the method-specified limit. AMEC J qualified the detected total chromium, total zinc, and dissolved lead results from the following samples because of possible bias in the analytical results due to potential matrix interference: SW08-13, SW08-10, SW08-08, SW08-05, SW08-04, SW08-02, SW08-17, SW08-16, SW08-15, and SW08-14.

4.7.9 Data Reporting

The laboratory B qualified detected results with concentrations between the CRQL and MDL. AMEC concurs that these results are quantitative estimates and J qualified (unless U qualified due to blank contamination) these results.

4.8 Conventional Chemistry Parameters

Conventional chemistry results generated by TA for the samples covered in this report may be considered usable with the limitations described below.

- The laboratory B qualified detected results with concentrations between the RL and MDL. AMEC concurs that these results are quantitative estimates and J qualified these results.
- TA performed nitrite analysis on sample SW08-10 approximately 4 hours past the 48 hour holding time. According to the QAPP (Table B2-3), the holding time for nitrite analysis is 48 hours from sample collection. AMEC UJ qualified the nondetected nitrite result from sample SW08-10 because of possible low bias in the analytical result due to the holding time exceedance.

5.0 SUMMARY AND CONCLUSIONS

AMEC's review indicates the data from this event are generally usable and of good quality. The types of qualifications applied to the dataset included nondetected data (U) and estimated data (J or UJ).

Nondetected Qualified Data. A number of detected metal and SVOC results were U qualified as nondetected because of contamination in the associated laboratory blanks. Results that were U qualified as nondetected were not further qualified due to other associated QC outliers.

Estimated Data. Portions of the VOC, SVOC, metals, and conventional chemistry data were qualified as estimated due to calibration issues, an exceeded holding time, serial dilution results, and concentrations between the MDLs and RLs.

Data Completeness Assessment. A total of 1,930 data records were evaluated during the data validation and review of the sample results. Of the total data records, 233 records (12%) were qualified as estimated concentrations. Estimated concentrations may be associated with either the nondetected concentration limits (UJ) or the concentration of detected target analytes (J). Of the total data records, 46 (2.4%) were qualified as nondetected as a result of a detection of a target analyte in

the associated blanks. The pesticide, PCB, total hardness, TSS, fluoride, and total cyanide data did not require qualification.

No data were rejected; therefore, 100% of the data should be considered valid which meets the 90% project data quality objective.

REFERENCES

AMEC, 2008, Sampling and Analysis Plan, Volume II - Quality Assurance Project Plan, Koppers Pond, Kentucky Avenue Wellfield Site, Operable Unit 4, Horseheads, New York.

EPA, 1999. *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, USEPA-540-R-99-008.

EPA, 2004. *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, EPA 540-R-04-004.

LIMITATIONS

This report was prepared exclusively for Koppers Pond PRP Group by AMEC Earth & Environmental, Inc. (AMEC). The quality of information, conclusions, and estimates contained herein is consistent with the level of effort involved in AMEC services and based on: i) information available at the time of preparation, ii) data supplied by outside sources, and iii) the assumptions, conditions, and qualifications set forth in this report. This Data Validation Report is intended to be used by Koppers Pond PRP Group for the Remedial Investigation/Feasibility Study, Koppers Pond, Kentucky Avenue Wellfield Superfund Site, Operable Unit 4, Horseheads, New York only, subject to the terms and conditions of its contract with AMEC. Any other use of, or reliance on, this report by any third party is at that party's sole risk.

TABLES

TABLE 1
Field Samples Submitted to TestAmerica
Koppers Pond
SDG C8E140218

Sample ID	Collection Date	Matrix	TestAmerica Sample ID	Data Validation Level	VOCs	SVOCs	Pesticides	PCBs	Metals	Conventional Chemistry	Notes
SW08-13	5/12/2008	Water	C8E140218-001	DQR	√	√	√	√	√	√	
SW08-10	5/12/2008	Water	C8E140218-002	DQR	√	√	√	√	√	√	
SW08-08	5/12/2008	Water	C8E140218-003	DQR	√	√	√	√	√	√	
SW08-05	5/12/2008	Water	C8E140218-004	DQR	√	√	√	√	√	√	
SW08-04	5/12/2008	Water	C8E140218-005	DQR	√	√	√	√	√	√	
SW08-02	5/12/2008	Water	C8E140218-006	Full	√	√	√	√	√	√	MS//MSD
SW08-17	5/12/2008	Water	C8E140218-007	DQR	√	√	√	√	√	√	
SW08-16	5/12/2008	Water	C8E140218-008	DQR	√	√	√	√	√	√	
SW08-15	5/12/2008	Water	C8E140218-009	DQR	√	√	√	√	√	√	
SW08-14	5/12/2008	Water	C8E140218-010	Full	√	√	√	√	√	√	MS/MSD

DQR = Data quality review as described by Section 10.2.1 of the Quailty Assurance Project Plan,
Quality Assurance Project Plan, Koppers Pond, Kentucky Avenue Wellfield Site, Operable Unit 4, April 2008
ID = identification
PCBs = polychlorinated biphenyls
SDG = sample delivery group
SVOCs = semivolatile organic compounds
VOCs = volatile organic compounds

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140218

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SW08-13	Antimony-DISS	0.99	ug/L	SW846 6020	J	DL
SW08-13	Iron-DISS	50	ug/L	SW846 6020	U	MB
SW08-13	Lead-DISS	2.4	ug/L	SW846 6020	J	MI
SW08-13	Thallium-DISS	0.085	ug/L	SW846 6020	J	DL
SW08-13	Zinc-DISS	2.7	ug/L	SW846 6020	J	DL
SW08-13	Cobalt-DISS	0.17	ug/L	SW846 6020	J	DL
SW08-13	Copper-DISS	0.85	ug/L	SW846 6020	J	DL
SW08-13	Aluminum-DISS	20.6	ug/L	SW846 6020	J	DL
SW08-13	Antimony	0.63	ug/L	SW846 6020	J	DL
SW08-13	Arsenic	0.17	ug/L	SW846 6020	J	DL
SW08-13	Selenium	0.28	ug/L	SW846 6020	J	DL
SW08-13	Silver	0.087	ug/L	SW846 6020	J	DL
SW08-13	Thallium	1	ug/L	SW846 6020	U	MB
SW08-13	Vanadium	0.57	ug/L	SW846 6020	J	DL
SW08-13	Zinc	24.6	ug/L	SW846 6020	J	MI
SW08-13	Chromium	5.2	ug/L	SW846 6020	J	MI
SW08-13	Cadmium	0.77	ug/L	SW846 6020	J	DL
SW08-13	Cobalt	0.28	ug/L	SW846 6020	J	DL
SW08-13	Ammonia Nitrogen	0.063	mg/L	MCAWW 350.1	J	DL
SW08-13	Hexachlorocyclopentadiene	0.96	ug/L	SW846 8270C	UJ	LC
SW08-13	Indeno(1,2,3-cd)pyrene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-13	Benzo(ghi)perylene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-13	Phenol	0.1	ug/L	SW846 8270C	J	DL
SW08-13	bis(2-Ethylhexyl) phthalate	0.96	ug/L	SW846 8270C	U	MB
SW08-13	Benzaldehyde	0.96	ug/L	SW846 8270C	UJ	BC
SW08-13	Butyl benzyl phthalate	0.96	ug/L	SW846 8270C	U	MB
SW08-13	Caprolactam	1.7	ug/L	SW846 8270C	U	MB
SW08-13	Dibenz(a,h)anthracene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-13	Dibenzofuran	0.17	ug/L	SW846 8270C	J	DL
SW08-13	Di-n-butyl phthalate	0.39	ug/L	SW846 8270C	J	DL
SW08-10	Antimony-DISS	0.88	ug/L	SW846 6020	J	DL
SW08-10	Iron-DISS	50	ug/L	SW846 6020	U	MB
SW08-10	Lead-DISS	2.4	ug/L	SW846 6020	J	MI
SW08-10	Thallium-DISS	0.035	ug/L	SW846 6020	J	DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140218

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SW08-10	Zinc-DISS	3.2	ug/L	SW846 6020	J	DL
SW08-10	Cobalt-DISS	0.18	ug/L	SW846 6020	J	DL
SW08-10	Copper-DISS	0.97	ug/L	SW846 6020	J	DL
SW08-10	Aluminum-DISS	19.3	ug/L	SW846 6020	J	DL
SW08-10	Antimony	0.72	ug/L	SW846 6020	J	DL
SW08-10	Selenium	0.44	ug/L	SW846 6020	J	DL
SW08-10	Thallium	1	ug/L	SW846 6020	U	MB
SW08-10	Vanadium	0.43	ug/L	SW846 6020	J	DL
SW08-10	Zinc	13.8	ug/L	SW846 6020	J	MI
SW08-10	Chromium	4.9	ug/L	SW846 6020	J	MI
SW08-10	Cadmium	0.59	ug/L	SW846 6020	J	DL
SW08-10	Cobalt	0.25	ug/L	SW846 6020	J	DL
SW08-10	Ammonia Nitrogen	0.036	mg/L	MCAWW 350.1	J	DL
SW08-10	Nitrite	0.05	mg/L	SW846 9056A	UJ	HT
SW08-10	Hexachlorocyclopentadiene	0.97	ug/L	SW846 8270C	UJ	LC
SW08-10	Indeno(1,2,3-cd)pyrene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-10	Benzo(ghi)perylene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-10	Phenanthrene	0.18	ug/L	SW846 8270C	J	DL
SW08-10	bis(2-Ethylhexyl) phthalate	0.97	ug/L	SW846 8270C	U	MB
SW08-10	Benzaldehyde	0.97	ug/L	SW846 8270C	UJ	BC
SW08-10	Butyl benzyl phthalate	0.97	ug/L	SW846 8270C	U	MB
SW08-10	Caprolactam	1.7	ug/L	SW846 8270C	U	MB
SW08-10	Dibenz(a,h)anthracene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-10	Dibenzofuran	0.17	ug/L	SW846 8270C	J	DL
SW08-10	Di-n-butyl phthalate	0.43	ug/L	SW846 8270C	J	DL
SW08-08	Antimony-DISS	0.78	ug/L	SW846 6020	J	DL
SW08-08	Iron-DISS	50	ug/L	SW846 6020	U	MB
SW08-08	Lead-DISS	2.4	ug/L	SW846 6020	J	MI
SW08-08	Selenium-DISS	0.21	ug/L	SW846 6020	J	DL
SW08-08	Thallium-DISS	0.027	ug/L	SW846 6020	J	DL
SW08-08	Zinc-DISS	2.6	ug/L	SW846 6020	J	DL
SW08-08	Cobalt-DISS	0.16	ug/L	SW846 6020	J	DL
SW08-08	Copper-DISS	0.79	ug/L	SW846 6020	J	DL
SW08-08	Aluminum-DISS	22	ug/L	SW846 6020	J	DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140218

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SW08-08	Antimony	0.47	ug/L	SW846 6020	J	DL
SW08-08	Arsenic	0.21	ug/L	SW846 6020	J	DL
SW08-08	Silver	0.19	ug/L	SW846 6020	J	DL
SW08-08	Thallium	1	ug/L	SW846 6020	U	MB
SW08-08	Vanadium	0.77	ug/L	SW846 6020	J	DL
SW08-08	Zinc	42.4	ug/L	SW846 6020	J	MI
SW08-08	Chromium	5.9	ug/L	SW846 6020	J	MI
SW08-08	Cobalt	0.29	ug/L	SW846 6020	J	DL
SW08-08	Ammonia Nitrogen	0.042	mg/L	MCAWW 350.1	J	DL
SW08-08	Hexachlorocyclopentadiene	0.95	ug/L	SW846 8270C	UJ	LC
SW08-08	Indeno(1,2,3-cd)pyrene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-08	Benzo(ghi)perylene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-08	Phenanthrene	0.18	ug/L	SW846 8270C	J	DL
SW08-08	bis(2-Ethylhexyl) phthalate	0.95	ug/L	SW846 8270C	U	MB
SW08-08	Benzaldehyde	0.95	ug/L	SW846 8270C	UJ	BC
SW08-08	Butyl benzyl phthalate	0.95	ug/L	SW846 8270C	U	MB
SW08-08	Caprolactam	1.6	ug/L	SW846 8270C	U	MB
SW08-08	Dibenz(a,h)anthracene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-08	Dibenzofuran	0.17	ug/L	SW846 8270C	J	DL
SW08-08	Di-n-butyl phthalate	0.32	ug/L	SW846 8270C	J	DL
SW08-05	Antimony-DISS	0.43	ug/L	SW846 6020	J	DL
SW08-05	Iron-DISS	50	ug/L	SW846 6020	U	MB
SW08-05	Lead-DISS	1.4	ug/L	SW846 6020	J	MI
SW08-05	Nickel-DISS	0.84	ug/L	SW846 6020	J	DL
SW08-05	Selenium-DISS	0.38	ug/L	SW846 6020	J	DL
SW08-05	Zinc-DISS	2.6	ug/L	SW846 6020	J	DL
SW08-05	Cobalt-DISS	0.17	ug/L	SW846 6020	J	DL
SW08-05	Copper-DISS	0.57	ug/L	SW846 6020	J	DL
SW08-05	Aluminum-DISS	20.5	ug/L	SW846 6020	J	DL
SW08-05	Antimony	0.43	ug/L	SW846 6020	J	DL
SW08-05	Arsenic	0.33	ug/L	SW846 6020	J	DL
SW08-05	Silver	0.33	ug/L	SW846 6020	J	DL
SW08-05	Thallium	1	ug/L	SW846 6020	U	CB, MB
SW08-05	Zinc	64.4	ug/L	SW846 6020	J	MI

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140218

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SW08-05	Chromium	7	ug/L	SW846 6020	J	MI
SW08-05	Cobalt	0.36	ug/L	SW846 6020	J	DL
SW08-05	Hexachlorocyclopentadiene	0.95	ug/L	SW846 8270C	UJ	LC
SW08-05	Indeno(1,2,3-cd)pyrene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-05	Benzo(ghi)perylene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-05	bis(2-Ethylhexyl) phthalate	0.95	ug/L	SW846 8270C	U	MB
SW08-05	Benzaldehyde	0.95	ug/L	SW846 8270C	UJ	BC
SW08-05	Butyl benzyl phthalate	0.95	ug/L	SW846 8270C	U	MB
SW08-05	Caprolactam	2.6	ug/L	SW846 8270C	U	MB
SW08-05	Dibenz(a,h)anthracene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-05	Dibenzofuran	0.17	ug/L	SW846 8270C	J	DL
SW08-05	Di-n-butyl phthalate	0.41	ug/L	SW846 8270C	J	DL
SW08-04	Antimony-DISS	0.5	ug/L	SW846 6020	J	DL
SW08-04	Iron-DISS	50	ug/L	SW846 6020	U	MB
SW08-04	Lead-DISS	2.4	ug/L	SW846 6020	J	MI
SW08-04	Zinc-DISS	3.1	ug/L	SW846 6020	J	DL
SW08-04	Cobalt-DISS	0.19	ug/L	SW846 6020	J	DL
SW08-04	Copper-DISS	0.82	ug/L	SW846 6020	J	DL
SW08-04	Aluminum-DISS	22.2	ug/L	SW846 6020	J	DL
SW08-04	Antimony	0.38	ug/L	SW846 6020	J	DL
SW08-04	Silver	0.38	ug/L	SW846 6020	J	DL
SW08-04	Thallium	1	ug/L	SW846 6020	U	CB, MB
SW08-04	Vanadium	0.98	ug/L	SW846 6020	J	DL
SW08-04	Zinc	73.7	ug/L	SW846 6020	J	MI
SW08-04	Chromium	7.4	ug/L	SW846 6020	J	MI
SW08-04	Cobalt	0.33	ug/L	SW846 6020	J	DL
SW08-04	Ammonia Nitrogen	0.043	mg/L	MCAWW 350.1	J	DL
SW08-04	Hexachlorocyclopentadiene	0.95	ug/L	SW846 8270C	UJ	LC
SW08-04	Indeno(1,2,3-cd)pyrene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-04	Benzo(ghi)perylene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-04	Phenanthrene	0.17	ug/L	SW846 8270C	J	DL
SW08-04	bis(2-Ethylhexyl) phthalate	0.95	ug/L	SW846 8270C	U	MB
SW08-04	Benzaldehyde	0.057	ug/L	SW846 8270C	J	BC, HC, DL
SW08-04	Butyl benzyl phthalate	0.95	ug/L	SW846 8270C	U	MB

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140218

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SW08-04	Caprolactam	1.8	ug/L	SW846 8270C	U	MB
SW08-04	Dibenz(a,h)anthracene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-04	Di-n-butyl phthalate	0.35	ug/L	SW846 8270C	J	DL
SW08-02	Antimony-DISS	0.36	ug/L	SW846 6020	J	DL
SW08-02	Iron-DISS	50	ug/L	SW846 6020	U	MB
SW08-02	Lead-DISS	3.2	ug/L	SW846 6020	J	MI
SW08-02	Zinc-DISS	3.5	ug/L	SW846 6020	J	DL
SW08-02	Cobalt-DISS	0.19	ug/L	SW846 6020	J	DL
SW08-02	Copper-DISS	1.3	ug/L	SW846 6020	J	DL
SW08-02	Aluminum-DISS	24.1	ug/L	SW846 6020	J	DL
SW08-02	Antimony	0.23	ug/L	SW846 6020	J	DL
SW08-02	Arsenic	0.26	ug/L	SW846 6020	J	DL
SW08-02	Silver	0.72	ug/L	SW846 6020	J	DL
SW08-02	Thallium	1	ug/L	SW846 6020	U	CB, MB
SW08-02	Vanadium	0.66	ug/L	SW846 6020	J	DL
SW08-02	Zinc	119	ug/L	SW846 6020	J	MI
SW08-02	Chromium	9.3	ug/L	SW846 6020	J	MI
SW08-02	Cobalt	0.38	ug/L	SW846 6020	J	DL
SW08-02	Toluene	0.28	ug/L	SW846 8260B	J	DL
SW08-02	1,1,1-Trichloroethane	0.36	ug/L	SW846 8260B	J	DL
SW08-02	Chloroform	0.083	ug/L	SW846 8260B	J	DL
SW08-02	Ammonia Nitrogen	0.067	mg/L	MCAWW 350.1	J	DL
SW08-02	Hexachlorocyclopentadiene	0.94	ug/L	SW846 8270C	UJ	LC
SW08-02	Indeno(1,2,3-cd)pyrene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-02	Benzo(ghi)perylene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-02	Pyrene	0.067	ug/L	SW846 8270C	J	DL
SW08-02	bis(2-Ethylhexyl) phthalate	0.94	ug/L	SW846 8270C	U	MB
SW08-02	Benzaldehyde	0.94	ug/L	SW846 8270C	UJ	BC
SW08-02	Butyl benzyl phthalate	0.94	ug/L	SW846 8270C	U	MB
SW08-02	Caprolactam	1.8	ug/L	SW846 8270C	U	MB
SW08-02	Chrysene	0.05	ug/L	SW846 8270C	J	DL
SW08-02	Dibenz(a,h)anthracene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-02	Dibenzofuran	0.17	ug/L	SW846 8270C	J	DL
SW08-02	Di-n-butyl phthalate	0.34	ug/L	SW846 8270C	J	DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140218

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SW08-17	Antimony-DISS	0.63	ug/L	SW846 6020	J	DL
SW08-17	Iron-DISS	50	ug/L	SW846 6020	U	MB
SW08-17	Lead-DISS	2.1	ug/L	SW846 6020	J	MI
SW08-17	Selenium-DISS	0.26	ug/L	SW846 6020	J	DL
SW08-17	Zinc-DISS	4.1	ug/L	SW846 6020	J	DL
SW08-17	Cobalt-DISS	0.21	ug/L	SW846 6020	J	DL
SW08-17	Copper-DISS	0.74	ug/L	SW846 6020	J	DL
SW08-17	Aluminum-DISS	19.1	ug/L	SW846 6020	J	DL
SW08-17	Antimony	0.41	ug/L	SW846 6020	J	DL
SW08-17	Vanadium	0.69	ug/L	SW846 6020	J	DL
SW08-17	Zinc	26.6	ug/L	SW846 6020	J	MI
SW08-17	Chromium	6	ug/L	SW846 6020	J	MI
SW08-17	Cadmium	0.97	ug/L	SW846 6020	J	DL
SW08-17	Cobalt	0.41	ug/L	SW846 6020	J	DL
SW08-17	Ammonia Nitrogen	0.088	mg/L	MCAWW 350.1	J	DL
SW08-17	Hexachlorocyclopentadiene	0.95	ug/L	SW846 8270C	UJ	LC
SW08-17	Indeno(1,2,3-cd)pyrene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-17	Benzo(ghi)perylene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-17	bis(2-Ethylhexyl) phthalate	0.95	ug/L	SW846 8270C	U	MB
SW08-17	Benzaldehyde	0.95	ug/L	SW846 8270C	UJ	BC
SW08-17	Butyl benzyl phthalate	0.95	ug/L	SW846 8270C	U	MB
SW08-17	Caprolactam	1.7	ug/L	SW846 8270C	U	MB
SW08-17	Dibenz(a,h)anthracene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-17	Dibenzofuran	0.17	ug/L	SW846 8270C	J	DL
SW08-16	Antimony-DISS	0.57	ug/L	SW846 6020	J	DL
SW08-16	Arsenic-DISS	0.28	ug/L	SW846 6020	J	DL
SW08-16	Iron-DISS	50	ug/L	SW846 6020	U	MB
SW08-16	Lead-DISS	2.1	ug/L	SW846 6020	J	MI
SW08-16	Selenium-DISS	0.26	ug/L	SW846 6020	J	DL
SW08-16	Zinc-DISS	3.4	ug/L	SW846 6020	J	DL
SW08-16	Cobalt-DISS	0.19	ug/L	SW846 6020	J	DL
SW08-16	Copper-DISS	0.72	ug/L	SW846 6020	J	DL
SW08-16	Aluminum-DISS	18.3	ug/L	SW846 6020	J	DL
SW08-16	Antimony	0.49	ug/L	SW846 6020	J	DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140218

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SW08-16	Zinc	13.6	ug/L	SW846 6020	J	MI
SW08-16	Chromium	5.2	ug/L	SW846 6020	J	MI
SW08-16	Cadmium	0.52	ug/L	SW846 6020	J	DL
SW08-16	Cobalt	0.27	ug/L	SW846 6020	J	DL
SW08-16	Tetrachloroethene	0.22	ug/L	SW846 8260B	J	DL
SW08-16	Ammonia Nitrogen	0.093	mg/L	MCAWW 350.1	J	DL
SW08-16	Hexachlorocyclopentadiene	0.95	ug/L	SW846 8270C	UJ	LC
SW08-16	Indeno(1,2,3-cd)pyrene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-16	Benzo(ghi)perylene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-16	Phenanthrene	0.18	ug/L	SW846 8270C	J	DL
SW08-16	bis(2-Ethylhexyl) phthalate	0.95	ug/L	SW846 8270C	U	MB
SW08-16	Benzaldehyde	0.95	ug/L	SW846 8270C	UJ	BC
SW08-16	Butyl benzyl phthalate	0.95	ug/L	SW846 8270C	U	MB
SW08-16	Caprolactam	1.6	ug/L	SW846 8270C	U	MB
SW08-16	Dibenz(a,h)anthracene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-16	Dibenzofuran	0.16	ug/L	SW846 8270C	J	DL
SW08-16	Di-n-butyl phthalate	0.37	ug/L	SW846 8270C	J	DL
SW08-15	Antimony-DISS	0.75	ug/L	SW846 6020	J	DL
SW08-15	Iron-DISS	54	ug/L	SW846 6020	U	MB
SW08-15	Lead-DISS	1.9	ug/L	SW846 6020	J	MI
SW08-15	Cobalt-DISS	0.2	ug/L	SW846 6020	J	DL
SW08-15	Copper-DISS	0.87	ug/L	SW846 6020	J	DL
SW08-15	Aluminum-DISS	16.5	ug/L	SW846 6020	J	DL
SW08-15	Antimony	0.27	ug/L	SW846 6020	J	DL
SW08-15	Arsenic	0.79	ug/L	SW846 6020	J	DL
SW08-15	Vanadium	0.5	ug/L	SW846 6020	J	DL
SW08-15	Zinc	25.4	ug/L	SW846 6020	J	MI
SW08-15	Chromium	3.8	ug/L	SW846 6020	J	MI
SW08-15	Cobalt	0.24	ug/L	SW846 6020	J	DL
SW08-15	Acenaphthene	0.16	ug/L	SW846 8270C	J	DL
SW08-15	Hexachlorocyclopentadiene	0.95	ug/L	SW846 8270C	UJ	LC
SW08-15	Indeno(1,2,3-cd)pyrene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-15	Benzo(a)anthracene	0.051	ug/L	SW846 8270C	J	DL
SW08-15	Benzo(ghi)perylene	0.19	ug/L	SW846 8270C	UJ	LC

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140218

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SW08-15	Pyrene	0.069	ug/L	SW846 8270C	J	DL
SW08-15	bis(2-Ethylhexyl) phthalate	1.2	ug/L	SW846 8270C	U	MB
SW08-15	Benzaldehyde	0.13	ug/L	SW846 8270C	J	BC, HC, DL
SW08-15	Butyl benzyl phthalate	1.3	ug/L	SW846 8270C	U	MB
SW08-15	Caprolactam	3.4	ug/L	SW846 8270C	U	MB
SW08-15	Chrysene	0.061	ug/L	SW846 8270C	J	DL
SW08-15	Dibenz(a,h)anthracene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-15	Dibenzofuran	0.17	ug/L	SW846 8270C	J	DL
SW08-15	Di-n-butyl phthalate	0.61	ug/L	SW846 8270C	J	DL
SW08-14	Antimony-DISS	0.41	ug/L	SW846 6020	J	DL
SW08-14	Arsenic-DISS	0.29	ug/L	SW846 6020	J	DL
SW08-14	Iron-DISS	50	ug/L	SW846 6020	U	MB
SW08-14	Lead-DISS	1.7	ug/L	SW846 6020	J	MI
SW08-14	Selenium-DISS	0.31	ug/L	SW846 6020	J	DL
SW08-14	Zinc-DISS	2.7	ug/L	SW846 6020	J	DL
SW08-14	Cobalt-DISS	0.21	ug/L	SW846 6020	J	DL
SW08-14	Copper-DISS	0.66	ug/L	SW846 6020	J	DL
SW08-14	Aluminum-DISS	17.3	ug/L	SW846 6020	J	DL
SW08-14	Antimony	0.34	ug/L	SW846 6020	J	DL
SW08-14	Arsenic	0.21	ug/L	SW846 6020	J	DL
SW08-14	Selenium	0.34	ug/L	SW846 6020	J	DL
SW08-14	Silver	0.22	ug/L	SW846 6020	J	DL
SW08-14	Vanadium	0.75	ug/L	SW846 6020	J	DL
SW08-14	Zinc	49.2	ug/L	SW846 6020	J	MI
SW08-14	Chromium	6.7	ug/L	SW846 6020	J	MI
SW08-14	Cobalt	0.38	ug/L	SW846 6020	J	DL
SW08-14	Toluene	0.21	ug/L	SW846 8260B	J	DL
SW08-14	1,1,1-Trichloroethane	0.29	ug/L	SW846 8260B	J	DL
SW08-14	Chloroform	0.069	ug/L	SW846 8260B	J	DL
SW08-14	Ammonia Nitrogen	0.081	mg/L	MCAWW 350.1	J	DL
SW08-14	Hexachlorocyclopentadiene	0.95	ug/L	SW846 8270C	UJ	LC
SW08-14	Indeno(1,2,3-cd)pyrene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-14	Benzo(ghi)perylene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-14	Phenanthrene	0.17	ug/L	SW846 8270C	J	DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140218

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SW08-14	bis(2-Ethylhexyl) phthalate	1.2	ug/L	SW846 8270C	U	MB
SW08-14	Benzaldehyde	0.95	ug/L	SW846 8270C	UJ	BC
SW08-14	Butyl benzyl phthalate	1.5	ug/L	SW846 8270C	U	MB
SW08-14	Caprolactam	3.6	ug/L	SW846 8270C	U	MB
SW08-14	Dibenz(a,h)anthracene	0.19	ug/L	SW846 8270C	UJ	LC
SW08-14	Dibenzofuran	0.16	ug/L	SW846 8270C	J	DL
SW08-14	Di-n-butyl phthalate	0.58	ug/L	SW846 8270C	J	DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140218

Reason Codes

BC - High initial calibration percent relative standard deviations
CB - Contaminated Blank
DL - Value was between method detection limit and reporting limit
HC - High continuing calibration verification result
HT - Holding time exceedance
LC - Low continuing calibration verification result
MB - Method blank contamination
MI - High differences between serial dilution results

Validation Codes:

U -The U qualifier indicates that an analyte is considered nondetected at the concentration listed. U qualifiers added during validation are typically a result of detection of target analytes in blanks.

J - The J qualifier indicates that the associated result is quantitatively uncertain. J qualifiers added during validation may indicate a concentration between the method detection limit (MDL) and the reporting limit (RL), or a data limitation related to a QC element that exceeds required acceptance limits.

UJ - The UJ qualifier indicates the RL is estimated. UJ qualifiers added during validation may indicate either a high or low bias related to a QC element that exceeds required acceptance limits.

DATA QUALITY REVIEW AND VALIDATION REPORT

Koppers Pond
Kentucky Avenue Wellfield Site
Operable Unit 4
Horseheads, New York

Organic and Inorganic Analyses Data
Samples Collected May 12 and 13, 2008

Prepared for:

Koppers Pond PRP Group

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773580000

August 2008

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Table 2 Data Validation Qualifiers

ACRONYMS & ABBREVIATIONS

°C	degrees Celsius
%D	percent deviation or percent drift in relative response
%RSD	percent relative standard deviation
µg/L	micrograms per liter
µmol/g	micromoles per gram
AMEC	AMEC Earth & Environmental, Inc.
CCV	continuing calibration verification
CLP	USEPA Contract Laboratory Program
COC	chain of custody
CRI	CRQL check standard
CRQL	contract-required quantitation limit
EPA	United States Environmental Protection Agency
GC/ECD	gas chromatography/electron capture detector
GC/MS	gas chromatography/mass spectrometry
ICP	inductively coupled plasma
ICS	interference check sample
ICV	initial calibration verification
ID	site identification
IS	internal standard
LCS	laboratory control sample
MDL	method detection limit
mg/kg	milligrams per kilogram
MS	matrix spike
MSD	matrix spike duplicate
OSWER	EPA Office of Solid Waste and Emergency Response
PAH	polynuclear aromatic hydrocarbons
QAPP	Quality Assurance Project Plan

QC	quality control
PCB	polychlorinated biphenyl
RL	reporting limit
RRF	relative response factor
SDG	sample delivery group
SEM	Simultaneously Extractable Metals
SOP	standard operating procedure
SVOCs	semivolatile organic compounds
TA	Test America
TAL	Target Analyte List
TCMX	tetrachloro-meta-xylene
TOC	total organic carbon
TSS	total suspended solids
VOCs	volatile organic compounds

1.0 INTRODUCTION

This data quality review and validation report covers 17 sediment samples and a trip blank from the Koppers Pond site located in Horseheads, New York. The samples were collected on May 12 and13, 2008 and submitted to Test America (TA) in Pittsburgh, Pennsylvania on May 14, 2008. The samples were assigned sample delivery group (SDG) C8E140236. The following analyses were performed on these samples:

- Total Target Analyte List (TAL) metals by United States Environmental Protection Agency (EPA) SW-846 Methods 6020/7471A;
- Total cyanide by EPA SW-846 Method 9012A;
- Total organic carbon (TOC) by EPA Lloyd Kahn;
- Acid-volatile sulfide by EPA SW-846 Method 9034;
- Simultaneously Extractable Metals (SEM) by SW-846 Method 6010B;
- Semivolatile organic compounds (SVOCs) by EPA SW-846 Method 8270C;
- Volatile organic compounds (VOCs) by EPA SW-846 Method 8260B;
- Pesticides by EPA SW-846 Method 8081A;
- Polychlorinated biphenyls (PCBs) as Aroclors by EPA SW-846 Method 8082.

A list of these samples by field sample identification (ID), TA sample ID is presented in Table 1.

2.0 DATA QUALITY REVIEW AND DATA VALIDATION METHODOLOGY

AMEC Earth & Environmental, Inc. (AMEC) performed this data quality review and validation with reference to the EPA Office of Solid Waste and Emergency Response (OSWER) National Functional Guidelines for Inorganic Data Review (October 2004), National Functional Guidelines for Organic Data Review (October 1999), including Region II modifications, if any, and associated method quality control (QC) requirements. These EPA guidelines were written specifically for the Contract Laboratory Program (CLP), and have been modified for the purposes of this data

quality review and validation where they differ from method and Quality Assurance Project Plan (QAPP) QC requirements.

AMEC's data validation methodology complied with the validation procedures specified in the Koppers Pond QAPP (AMEC, 2008). The laboratory's raw analytical data packages were reviewed to assess the criteria outlined in QAPP:

- Data completeness;
- Holding times;
- Calibration;
- Blanks;
- Inductively coupled plasma (ICP) check sample;
- Matrix spike/matrix spike duplicate samples (MS/MSD);
- Laboratory duplicate samples:
- Laboratory control samples (LCSs);
- ICP serial dilution;
- Detection limits;
- Sample dilutions;
- Gas chromatography/mass spectrometry (GC/MS) tuning;
- Instrument performance;
- Surrogate recoveries;
- Internal standards (IS); and
- Compound identification.

In general, it is important to recognize that no analytical data are guaranteed to be correct, even if all QC audits are passed. Strict QC serves to increase confidence in data, but any reported value may potentially contain error.

In accordance with the specifications of QAPP, the data validation process comprised 20% full validation of the raw analytical data and 80% data quality review for all methods, based on information provided by the laboratory as summary reporting

forms. Data that underwent data quality review and data validation are indicated on Table 1.

3.0 EXECUTIVE SUMMARY

The data are generally usable and of good quality.

A number of detected metal and VOC results were U qualified as nondetected because of contamination in the associated laboratory and/or trip blanks.

A number of detected pesticide results were U qualified as nondetected because of probable matrix interference from Aroclors and polynuclear aromatic hydrocarbons (PAHs) as demonstrated by the very high percent differences between dual column results. If greater certainty regarding possible presence of low concentrations of pesticides is required to achieve project DQOs, AMEC recommends consideration of either high resolution mass spectrometry (HRMS) or tandem mass spectrometry (MS/MS) as the determinative technique for future pesticide analyses.

It appears the Aroclor 1248 and/or Aroclor 1260 may be in samples SD08-13 (0-6), SD08-13 (6-18), SD08-13 (18-27.5), SD08-11 (6-9), SD08 (0-6), SD08-10 (6-18), and SD08-10 (18-23). Because the laboratory did not provide results from a secondary dissimilar column, AMEC could not confirm the presence of Aroclor 1248 or Aroclor 1260 in the samples. In addition, the unusually short analytical run time made it difficult to match patterns. The data user should use the PCB results from these samples with caution

No data were rejected, and 100% of the data should be considered valid. This meets the 90% data quality objective.

4.0 SPECIFIC DATA VALIDATION FINDINGS FOR EACH ANALYTICAL METHOD

Sections 4.1 to 4.9 contain narrative descriptions of data validation findings and data quality limitations. Definitions of data qualifiers added during validation and summaries of specific qualifiers added to each affected sample as a result of the data validation findings are presented in Table 2.

4.1 Data Deliverables

The submitted data packages contained all documentation elements required for full validation.

4.2 Chain of Custody and Sample Receipt Condition Documentation

TA received all samples in good condition and at less than the EPA-recommended temperature of 6 degrees Celsius (°C). There were no anomalies associated with sample receipt condition or chain of custody (COC) documentation.

4.3 Volatile Organic Compounds by EPA SW-846 Method 8260B

VOC results generated by TA for samples covered in this report are considered usable with the limitations described in Sections 4.3.1 through 4.3.9.

4.3.1 Holding Times

All aqueous samples were analyzed within the QAPP-specified maximum holding time of 10 days for preserved samples. All soil samples were analyzed within the QAPP-specified 10 day holding time for unpreserved samples.

4.3.2 Initial Calibration

The method-specified minimum relative response factor (RRF) and percent relative standard deviation (%RSD) criteria were met for the initial calibrations associated with VOC analysis of the samples covered in this report.

4.3.3 Continuing Calibration

The Region II-specified minimum RRF and percent deviation or percent drift (%D) criteria were met for the continuing calibrations associated with VOC analysis of the samples covered in this report, except as described below:

- The acetone %D of 38.4% (bias high) was greater than the 20% Region II-specified acceptance limit in the continuing calibration verification (CCV) analyzed on May 15, 2008 at 05:11 on instrument HP3. AMEC J qualified the detected acetone results from the following samples because of possible high bias in the analytical results: SD08-14, SD08-15, and SD08-13 (0-6).
- The acetone %D of 35.7% (bias high) was greater than the 20% Region II-specified acceptance limit in the CCV analyzed on May 16, 2008 at 05:41 on instrument HP3. AMEC J qualified the detected acetone results from the following samples because of possible high bias in the analytical results: SD08-10 (0-6), SD08-10 (18-23), and SD08-9 (0-6).

- The chloroethane %D of 28.1% (bias high) was greater than the 20% Region II-specified acceptance limit in the CCV analyzed on May 21, 2008 at 19:03 on instrument HP5. This analyte was not detected in the associated samples; therefore, data usability is not adversely affected by the potential high bias.
- The chloroethane %D of 51.1% (bias high) was greater than the 20% Region II-specified acceptance limit in the CCV analyzed on May 21, 2008 at 05:02 on instrument HP3. This analyte was not detected in the associated samples; therefore, data usability is not adversely affected by the potential high bias.
- The trichlorotrifluoromethane (26.6%, bias low) and 1,2-dibromo-3-chloropropane (23.4%, bias low) %Ds were greater than the 20% Region II-specified acceptance limit in the CCV analyzed on May 22, 2008 at 06:54 on instrument HP3. AMEC UJ qualified the nondetected trichlorotrifluoromethane and 1,2-dibromo-3-chloropropane results from samples SD08-11 (0-6) and SD08-11 (6-9) because of possible low bias.

4.3.4 Blanks

Qualification to samples as a result of VOCs detected in the associated laboratory blank and trip blanks is described in the following table.

Blank ID	Detected Analytes	Analyte Concentration	Sample Results U Qualified as Nondetected because of Associated Blank Results
Method Blank KNCHF1AA	Methylene Chloride	0.94 µg/kg	SD08-13 (6-18) SD08-10 (0-6) SD08-10 (18-23) SD08-9 (0-6)
Trip Blank TB-3	Methylene Chloride	0.36 µg/L	SD08-14 SD08-15 SD08-13 (0-6) SD08-13 (6-18) SD08-13 (18-27.5) SD08-10 (0-6) SD08-10 (6-18) SD08-10 (18-23) SD08-9 (0-6)

4.3.5 Surrogate Recoveries

All surrogate recoveries were within the laboratory-specified limits for VOC analysis of the samples covered in this report.

4.3.6 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for VOC analysis of the samples covered in this report.

4.3.7 Matrix Spike/Matrix Spike Duplicate Recovery

MS/MSD recoveries were within the laboratory-specified limits for VOC analysis of the samples covered in this report.

4.3.8 Internal Standard Recoveries

IS recoveries were all within the method-specified 50% to 200% acceptance limits for the VOC sample analysis covered in this report.

4.3.9 Data Reporting

The laboratory J qualified detected results with concentrations between the method detection limit (MDL) and reporting limit (RL). AMEC concurs that these results are quantitative estimates and J qualified these results unless the results were previously U qualified because of blank contamination.

4.4 Semivolatile Organic Compounds by EPA SW-846 Method 8270C

SVOC results generated by TA for the samples covered in this report are considered usable with the limitations described in Sections 4.4.1 through 4.4.9.

4.4.1 Holding Times

All samples were extracted and analyzed within the QAPP-specified maximum holding time of 7 days for aqueous extraction, 14 days for solid extraction, and 40 days for analysis.

4.4.2 Initial Calibration

The Region II-specified minimum RRF and %RSD criteria not met for the initial calibrations associated with the SVOC sample analysis are described below.

The benzaldehyde (28.3%); 2,4-dinitrophenol (21.9%); 3,3'-dichlorobenzidine (29.9%); and di-n-octylphthalate (19.3%) %RSDs were greater than the Region II-specified 15% RSD acceptance limit in the initial calibration analyzed on May 5, 2008 on instrument 732. AMEC J qualified the detected results and UJ qualified the nondetected results

for these analytes from the following samples because of possible bias in the analytical results: SD08-17, SD08-16, SD08-14, SD08-15, SD08-13 (0-6), SD08-13 (6-18), SD08-13 (18-27.5), SD08-12 (0-6), SD08-12 (6-12), SD08-11 (0-6), SD08-11 (6-9), SD08-10 (0-6), SD08-10 (6-18), SD08-10 (18-23), SD08-9 (0-6), and SD08-9 (6-10).

4.4.3 Continuing Calibration

The Region II-specified minimum RRF and %D criteria were met for the continuing calibrations associated with the SVOC sample analysis, except as described below.

The 4-chloroaniline (26.4%, bias low) and hexachlorocyclopentadiene (33.1%, bias low) %Ds in the CCV analyzed on May 20, 2008 on instrument 732 were outside the Region II-specified ±20% acceptance limit. AMEC UJ qualified the nondetected 4-chloroaniline and hexachlorocyclopentadiene results from the following samples because of possible low bias in the analytical results: SD08-17, SD08-16, SD08-14, SD08-15, SD08-13 (0-6), SD08-13 (6-18), SD08-13 (18-27.5), SD08-12 (0-6), SD08-12 (6-12), SD08-11 (0-6), SD08-11 (6-9), SD08-10 (0-6), SD08-10 (6-18), SD08-10 (18-23), SD08-9 (0-6), and SD08-9 (6-10).

4.4.4 Laboratory Blank

SVOCs were not detected in the laboratory blank associated with the samples.

4.4.5 Surrogate Recoveries

Surrogate recoveries outside the laboratory-specified limits for the SVOC sample analysis are described below.

The acid extractable surrogate compound 2,4,6-tribromophenol recovery of 117% in sample SD08-10 (6-18) was greater than the laboratory-specified acceptance limit. AMEC J qualified the detected 4-methylphenol result from sample SD08 (6-18) because of possible high bias.

4.4.6 Matrix Spike/Matrix Spike Duplicate Recovery

MS/MSD analysis was performed on sample SD08-17. The hexachloroethane recovery of 39% in the MS was less than the laboratory-specified limits. AMEC UJ qualified the nondetected hexachloroethane result from sample SD08-17 because of possible low bias due to potential matrix interference.

4.4.7 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for the SVOC sample analysis.

4.4.8 Internal Standard Recoveries

IS recoveries were within the method-specified 50% to 200% acceptance limits for the SVOC sample analysis.

4.4.9 Data Reporting

The laboratory J qualified detected results with concentrations between the RL and MDL. AMEC concurs that these results are quantitative estimates and J qualified these results.

4.5 Pesticides by USEPA SW-846 Method 8081A

Pesticide results generated by TA for the samples covered in this report are considered usable with the limitations described in Sections 4.5.1 through 4.5.8.

4.5.1 Holding Times

All samples were extracted and analyzed within the QAPP-specified maximum holding time of 14 days for solid extraction, and 40 days for analysis.

4.5.2 Initial Calibration

The method-specified %RSD and retention time criteria were met for the initial calibrations associated with the pesticide sample analysis.

4.5.3 Continuing Calibration

The method-specified %D and retention time criteria were met for the continuing calibrations associated with the pesticide sample analysis.

4.5.4 Blanks

No target analytes were detected in the laboratory blanks associated with the pesticide analysis.

4.5.5 Surrogate Recoveries

Surrogate recoveries associated with the pesticide sample analysis outside laboratory-specified acceptance limits are described below.

Surrogates were not recovered in the analysis of sample SD08-13 (0-6). This sample was analyzed at a 10-fold dilution; therefore, data usability could not be fully evaluated.

The decachlorobiphenyl recovery of 149% in sample SD08-10 (18-23) was greater than the laboratory-specified 18% to 145% acceptance limits. AMEC J qualified (unless U qualified due to matrix interference) the detected pesticide results from sample SD08-10 (18-23) because of possible high bias in the analytical results.

4.5.6 Matrix Spike/Matrix Spike Duplicate Recovery

MS/MSD recoveries were within the laboratory-specified limits for the pesticide sample analysis.

4.5.7 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for the pesticide sample analysis.

4.5.8 Data Reporting and Analytical Procedures

There was greater than 25% difference between the pesticide concentrations from the primary and secondary analytical columns for the samples listed in the following table. Analysis of pesticides using conventional GC/ECD techniques can result in an extremely high rate of false positive detections, as referenced in literature including a memo titled *EPA Region 10 Clarification of SW-846 Method 8081 and Supplemental Guidance for Data Review* (EPA, 2006). In AMEC's professional judgment, based on the very large percent differences between primary and secondary column results, the reported insecticide results are likely false positives that result from interferences from the PAHs and PCBs detected in these samples. In addition, Region II validation guidelines (SOP HW-44) allow "U" qualification based on the presence of interferences and large differences between dual-column results.

AMEC U qualified the detected pesticide concentrations as listed in the table below based on professional judgment of the chemists performing the review. If greater certainty regarding possible presence of low concentrations of pesticides is required to

achieve project DQOs, AMEC recommends consideration of either HRMS or MS/MS as the determinative technique for future pesticide analyses.

Sample ID	Analyte	%D	Qualification
SD08-17	gamma-BHC (Lindane)	223	U
	Heptachlor Epoxide	128	U
	Endrin Ketone	147	U
	Endrin Aldehyde	48.5	U
	gamma-Chlordane	101	U
SD08-16	Endrin Ketone	29.3	U
	gamma-Chlordane	246	U
SD08-14	alpha-BHC	568	U
	gamma-BHC (Lindane)	562	U
	Heptachlor Epoxide	407	U
SD08-15	delta-BHC	106	U
	gamma-BHC (Lindane)	461	U
	Dieldrin	54.2	U
	gamma-Chlordane	54.2	U
SD08-13 (0-6)	delta-BHC	571	U
	Aldrin	544	U
	Heptachlor Epoxide	939	U
	Endosulfan Sulfate	89.8	U
	Endrin Ketone	226	U
	gamma-Chlordane	237	U
SD08-13 (6-18)	delta-BHC	504	U
	gamma-BHC (Lindane)	141	U
	Aldrin	59.5	U
	Endosulfan Sulfate	148	U
	Endrin Ketone	101	U
	gamma-Chlordane	151	U
SD08-13 (18-27.5)	delta-BHC	393	U
	gamma-BHC (Lindane)	72.5	U
	Heptachlor	448	U
	Heptachlor Epoxide	1000	U
	Dieldrin	388	U
	4,4'-DDD	1000	U
	Endosulfan Sulfate	38.0	U
	Endrin Ketone	196	U
	gamma-Chlordane	219	U
SD08-12 (0-6)	Heptachlor	71.4	U
	Endrin Ketone	360	U
	gamma-Chlordane	184	U
SD08-12 (6-12)	Aldrin	47.7	U
	Endrin Ketone	180	U
	alpha-Chlordane	103	U
SD08-11 (0-6)	delta-BHC	170	U
	Aldrin	136	U
	Heptachlor Epoxide	105	U
	Endrin Ketone	59.4	U
	gamma-Chlordane	298	U

Sample ID	Analyte	%D	Qualification
SD08-11 (6-9)	delta-BHC	479	U
	gamma-BHC (Lindane)	52.9	U
	Aldrin	275	U
	Dieldrin	387	U
	Endosulfan Sulfate	143	U
	Endrin Ketone	168	U
	Endrin Aldehyde	96.1	U
	gamma-Chlordane	152	U
SD08-10 (0-6)	delta-BHC	194	U
	gamma-BHC (Lindane)	152	U
	Aldrin	191	U
	Heptachlor Epoxide	408	U
	Dieldrin	824	U
	Endosulfan Sulfate	225	U
	Endrin Ketone	78.5	U
	gamma-Chlordane	120	U
SD08-10 (6-18)	alpha-BHC	239	U
	delta-BHC	222	U
	Heptachlor	215	U
	Heptachlor Epoxide	760	U
	Dieldrin	400	U
	Endosulfan Sulfate	83.8	U
	Endrin Ketone	193	U
	gamma-Chlordane	107	U
SD08-10 (18-23)	gamma-BHC (Lindane)	122	U
	Aldrin	455	U
	Dieldrin	850	U
	4,4'-DDD	1000	U
	Endrin Ketone	45	U
	gamma-Chlordane	158	U
SD08-9 (0-6)	gamma-BHC (Lindane)	434	U
	Aldrin	30.7	U
	Dieldrin	261	U
	4,4'-DDD	229	U
	Endrin Ketone	1000	U
	gamma-Chlordane	164	U
SD08-9 (6-10)	gamma-BHC (Lindane)	254	U
	Dieldrin	285	U
	Endrin Aldehyde	98.5	U

The laboratory J qualified detected results with concentrations between the MDL and RL. AMEC concurs that these results are quantitative estimates and J qualified these results unless they were U qualified due to interferences.

4.6 Polychlorinated Biphenyls as Aroclors by USEPA SW-846 Method 8082

PCB results generated by TA for the samples covered in this report are considered usable with the limitations described in Sections 4.6.1 through 4.6.8.

4.6.1 Holding Times

All samples were extracted and analyzed within the QAPP-specified maximum holding time of 14 days for solid extraction and 40 days for PCB analysis.

4.6.2 Initial Calibration

The method-specified %RSD and retention time criteria were met for the initial calibrations associated with the PCB sample analysis.

4.6.3 Continuing Calibration

The method-specified %D and retention time criteria were met for the continuing calibrations associated with the PCB sample analysis.

4.6.4 Blanks

No target analytes were detected in the laboratory blanks associated with the PCB sample analysis.

4.6.5 Surrogate Recoveries

Surrogate recoveries associated with the PCB sample analysis outside the laboratory-specified acceptance limits are described below.

Surrogate tetrachloro-m-xylene recovery of 130% was greater than the 31% to 127% laboratory-specified acceptance limits in the analysis of sample SD08-13 (0-6). AMEC J qualified the detected Aroclor 1254 result from sample SD08-13 (0-6) because of possible high bias in the analytical result.

4.6.6 Matrix Spike/Matrix Spike Duplicate Recovery

MS/MSD recoveries were within the laboratory-specified limits for the PCB sample analysis.

4.6.7 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for the PCB sample analysis.

4.6.8 Data Reporting

The laboratory identified Aroclor 1254 in the samples. AMEC concurs with the Aroclor 1254 identification; however, upon review of the chromatograms it appears that Aroclor 1260 and/or Aroclor 1248 may also be in the following samples: SD08-13 (0-6), SD08-13 (6-18), SD08-13 (18-27.5), SD08-11 (6-9), SD08 (0-6), SD08-10 (6-18), and SD08-10 (18-23). Due to the degree of weathering of the Aroclor mixtures in the samples, and to a lesser extent because the laboratory did not provide results from a second dissimilar column, AMEC could not definitively confirm the presence of Aroclor 1248 or Aroclor 1260 in the samples. In addition, the unusually short analytical run time, while appropriate for quantitative analysis of PCBs, does not allow for adequate chromatographic resolution to fully evaluate Aroclor identification using pattern matching techniques. The data user should therefore interpret the qualitative PCB results for these samples with caution.

4.7 Target Analyte List Metals by EPA SW-846 Methods 6020/7471A

Samples covered in this report underwent total metals analysis by EPA SW-846 Methods 6020/7471A at TA. The results are usable with the limitations and exceptions described in Sections 4.7.1 through 4.7.10.

4.7.1 Holding Times

All samples were analyzed for metals within the QAPP-specified technical holding time of 180 days and for mercury within the QAPP-specified technical holding time of 26 days.

4.7.2 Initial Calibration

The initial calibrations associated with the analysis of these samples met the method-specified acceptance criteria.

4.7.3 Initial and Continuing Calibration Verification

All initial calibration verifications (ICVs) and CCVs associated with the analysis of these samples met the method-specified acceptance criteria.

4.7.4 Contract-required Quantitation Limit Check Standard

All contract-required quantitation limit (CRQL) check standards (CRIs) associated with the analysis of these samples outside the method-specified acceptance criteria are described below.

Chromium and iron recoveries were outside method-specified acceptance limits at 52.0% and 138%, respectively, in the CRI analyzed June 1, 2008 at 14:59. The chromium and iron concentrations in the associated samples were greater than two times the CRQL; therefore, data usability is not adversely affected by the CRI recoveries.

4.7.5 Blanks

Initial and Continuing Calibration Blanks

Target analytes detected at concentrations greater than the MDL in calibration blanks associated with the metals sample analysis are described in the following table.

Blank ID	Detected Analytes	Analyte Concentration	Sample Results U Qualified as Nondetected because of Associated Calibration Blank Results
ICB 6/01/08 ICPMS	Antimony	0.09 µg/L	None
	Cadmium	0.10 µg/L	None
	Calcium	-31.87 µg/L	None
	Chromium	5.34 µg/L	None
	Potassium	-1.28 µg/L	None
	Copper	-0.89 µg/L	None
	Iron	3.27 µg/L	None
	Magnesium	1.96 µg/L	None
	Manganese	0.07 µg/L	None
	Nickel	-0.07 µg/L	None
	Potassium	6.08 µg/L	None
	Zinc	-0.77 µg/L	None
CCB6 6/01/08 ICPMS	Antimony	0.11 µg/L	None
	Calcium	-29.85 µg/L	None
	Chromium	-1.22 µg/L	None
	Copper	-0.89 µg/L	None
	Iron	6.73 µg/L	None
	Lead	0.07 µg/L	None
	Magnesium	19.4 µg/L	None
	Manganese	-0.10 µg/L	None
	Potassium	9.13 µg/L	None

Blank ID	Detected Analytes	Analyte Concentration	Sample Results U Qualified as Nondetected because of Associated Calibration Blank Results
	Silver	0.05 µg/L	None
	Sodium	13.16 µg/L	None
	Thallium	0.07 µg/L	None
	Zinc	-0.81 µg/L	None
CCB7 6/01/08 ICPMS	Antimony	0.11 µg/L	None
	Calcium	-21.95 µg/L	None
	Chromium	-1.14 µg/L	None
	Copper	-0.82 µg/L	None
	Iron	9.23 µg/L	None
	Lead	0.16 µg/L	None
	Magnesium	16.94 µg/L	None
	Manganese	0.22 µg/L	None
	Nickel	-0.07 µg/L	None
	Silver	0.04 µg/L	None
	Thallium	0.06 µg/L	SD08-15 SD08-12 (0-6)
	Zinc	-0.55 µg/L	None
CCB8 6/01/08 ICPMS	Aluminum	4.48 µg/L	None
	Antimony	0.10 µg/L	None
	Calcium	-26.85 µg/L	None
	Chromium	-1.13 µg/L	None
	Cobalt	0.03 µg/L	None
	Copper	-0.85 µg/L	None
	Iron	16.19 µg/L	None
	Lead	0.10 µg/L	None
	Magnesium	21.69 µg/L	None
	Manganese	0.32 µg/L	None
	Potassium	8.56 µg/L	None
	Silver	0.05 µg/L	None
	Sodium	9.42 µg/L	None
	Thallium	0.06 µg/L	SD08-15 SD08-12 (0-6)
	Zinc	-0.59 µg/L	None
CCB13 6/01/08 ICPMS	Iron	3.97 µg/L	None

Preparation Blanks

Target analytes detected at concentrations greater than the MDL in preparation blanks associated with the metals sample analysis are described in the following table.

Blank ID	Detected Analytes	Analyte Concentration	Sample Results U Qualified as Nondetected because of Associated Preparation Blank Results
C8E300000-125	Chromium	0.0086 milligrams per kilogram (mg/kg)	None
	Lead	0.0034 mg/kg	None
	Vanadium	0.012 mg/kg	None

4.7.6 Inductively Coupled Plasma Interference Check Sample

All interference check samples (ICSs) exhibited recoveries within the 80% to 120% method-specified acceptance limits.

4.7.7 Laboratory Control Sample Recovery

Recoveries were within the method-specified acceptance limits in all LCS samples associated with the metals sample analysis.

4.7.8 Matrix Spike/Matrix Spike Duplicate Recovery

MS/MSD recoveries outside the laboratory-specified limits for the metals sample analysis are described below.

MS/MSD analysis was performed on sample SD08-17. Manganese (40% MSD), selenium (70% MSD), and antimony (65%/63%) recoveries were less than the laboratory specified limits. In addition, aluminum, calcium, cadmium, chromium, copper, iron, lead, and zinc were not recovered in the MS/MSD analysis. Specific limitations include the following:

- AMEC J qualified the detected manganese, selenium, and antimony results from the following samples because of possible low bias due to potential matrix interference: SD08-17, SD08-16, SD08-14, SD08-15, SD08-13 (0-6), SD08-13 (6-18), SD08-13 (18-27.5), SD08-12 (0-6), SD08-12 (6-12), SD08-11 (0-6), SD08-11 (6-9), SD08-10 (0-6), SD08-10 (6-18), SD08-10 (18-23), SD08-9 (0-6), and SD08-9 (6-10).
- The aluminum, calcium, cadmium, chromium, copper, iron, lead, and zinc concentrations in the sample were greater than four times the associated spike concentrations; therefore, data usability could not be fully evaluated due to the high sample concentrations for these analytes. Data usability is not adversely affected.

4.7.9 Serial Dilution Results

The arsenic percent difference of 17.3% was outside the method-specified 10% acceptance limit in the serial dilution analysis of sample SD08-17. AMEC J qualified the detected arsenic results from the following samples because of possible bias due to potential matrix interference: SD08-17, SD08-16, SD08-14, SD08-15, SD08-13 (0-6), SD08-13 (6-18), SD08-13 (18-27.5), SD08-12 (0-6), SD08-12 (6-12), SD08-11 (0-6), SD08-11 (6-9), SD08-10 (0-6), SD08-10 (6-18), SD08-10 (18-23), SD08-9 (0-6), and SD08-9 (6-10).

4.7.10 Data Reporting and Analytical Procedures

The laboratory B qualified detected results with concentrations between the MDL and CRQL. AMEC concurs that these results are quantitative estimates and J qualified these results unless they were U qualified due to blank contamination.

4.8 Total Cyanide, Total Organic Carbon, Acid-Volatile Sulfide, and Simultaneously Extracted Metals

Total cyanide, TOC, acid-volatile sulfide, and SEM results generated by TA for the samples covered in this report may be considered usable with the limitations described below.

- The laboratory B qualified detected results with concentrations between the RL and MDL. AMEC concurs that these results are quantitative estimates and J qualified these results.
- Chromium (0.00084 micromoles per gram [µmol/gm]), copper (0.0012 µmoles/gm), and zinc (0.0058 µmoles/gm) were detected in the simultaneously extracted metals (SEM) method blank C8E220000-123. Concentrations for the SEM in the associated sample were greater than five times the method blank concentration; therefore, data usability is not adversely affected by the method blank concentrations.
- Nickel (63%/65%) and silver (12%/0%) recoveries were low in the SEM MS/MSD analysis of sample SD08-10 (0-6). In addition, cadmium, chromium, copper, and lead were not recovered in the MS/MSD. Specific limitations include the following:
    - AMEC J qualified the detected SEM nickel and silver results from sample SD08-10 (0-6) because of possible low bias due to potential matrix interference.

  - The cadmium, chromium, copper, and lead SEM concentrations were greater than four times the associated spike concentration; therefore, data usability could not be fully evaluated due to the high parent sample concentrations. Data usability is not adversely affected.

- Cyanide recoveries were less than the laboratory-specified 75% to 125% acceptance limits in the MS analyses of samples SD08-13 (6-18) (74%) and SD08-13 (18-27.5) (74%) and the MSD analysis of sample SD08-17 (69%). AMEC J qualified the detected cyanide result from sample SD08-13 (18-27.5) and UJ qualified the nondetected cyanide results from samples SD08-13 (6-18) and SD08-17 because of possible low bias in the analytical results due to potential matrix interference.
- The TOC recovery of 155% was greater than the laboratory-specified 75% to 125% acceptance limits in the MSD analysis of sample SD08-17. AMEC J qualified the detected TOC result from sample SD08-17 because of possible high bias due to potential matrix interference.

4.9 Percent Moisture

The percent moisture for samples SD08-15 (83%), SD08-13 (0-6) (73%), and SD08-12 (0-6) (73%) were ≥ 70% but < 90%. AMEC J qualified (unless U qualified due to blank contamination or interferences) all detected results and UJ qualified all nondetected results from these samples per Region II criteria.

5.0 SUMMARY AND CONCLUSIONS

AMEC's review indicates the data from this event are generally usable and of good quality. The types of qualifications applied to the dataset included nondetected data (U) and estimated data (J or UJ).

Nondetected Qualified Data. A number of detected metal, VOC, and pesticide results were U qualified as nondetected because of contamination in the associated laboratory and/or trip blanks or interferences. Results that were U qualified as nondetected were not further qualified due to other associated QC outliers.

Estimated Data. Portions of the VOC, SVOC, pesticide, PCB, metals, and conventional chemistry data were qualified as estimated due to calibration issues, high surrogate recoveries, high and low matrix spike recoveries, serial dilution imprecision, high percent moistures, and concentrations between the MDLs and RLs.

Data Completeness Assessment. A total of 2,730 data records were evaluated during the data validation and review of the sample results. Of the total data records, 746 records (27%) were qualified as estimated concentrations. Estimated concentrations may be associated with either the nondetected concentration limits (UJ) or the concentration of detected target analytes (J). Of the total data records, 96 (3.5%) were qualified as nondetected as a result of a detection of a target analyte in the associated blanks or interferences.

No data were rejected; therefore, 100% of the data should be considered valid which meets the 90% project data quality objective.

REFERENCES

AMEC, 2008. Sampling and Analysis Plan, Volume II - Quality Assurance Project Plan, Koppers Pond, Kentucky Avenue Wellfield Site, Operable Unit 4, Horseheads, New York.

EPA, 1999. *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, USEPA-540-R-99-008.

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EPA, 2006. USEPA Region 10, Clarification of SW-846 Method 8081 and Supplemental Guidance for Data Review, May 3, 2006.

LIMITATIONS

This report was prepared exclusively for Koppers Pond PRP Group by AMEC Earth & Environmental, Inc. (AMEC). The quality of information, conclusions, and estimates contained herein is consistent with the level of effort involved in AMEC services and based on: i) information available at the time of preparation, ii) data supplied by outside sources, and iii) the assumptions, conditions, and qualifications set forth in this report. This Data Validation Report is intended to be used by Koppers Pond PRP Group for the Remedial Investigation/Feasibility Study, Koppers Pond, Kentucky Avenue Wellfield Superfund Site, Operable Unit 4, Horseheads, New York only, subject to the terms and conditions of its contract with AMEC. Any other use of, or reliance on, this report by any third party is at that party's sole risk.

TABLES

TABLE 1
Field Samples Submitted to TestAmerica
Koppers Pond
SDG C8E140236

Sample ID	Collection Date	Matrix	TestAmerica Sample ID	Data Validation Level	VOCs	SVOCs	Pesticides	PCBs	Metals	AVS/SEM	TOC	Cyanide	Notes
SD08-17	5/12/2008	Sediment	C8E140236-001	Full	√	√	√	√	√		√	√	MS/MSD
SD08-16	5/12/2008	Sediment	C8E140236-002	Full	√	√	√	√	√		√	√	
SD08-14	5/12/2008	Sediment	C8E140236-003	DQR	√	√	√	√	√		√	√	
SD08-15	5/12/2008	Sediment	C8E140236-004	DQR	√	√	√	√	√		√	√	
SD08-13 (0-6)	5/13/2008	Sediment	C8E140236-005	DQR	√	√	√	√	√		√	√	
SD08-13 (6-18)	5/13/2008	Sediment	C8E140236-006	DQR	√	√	√	√	√		√	√	MS/MSD
SD08-13 (18-27.5)	5/13/2008	Sediment	C8E140236-007	Full	√	√	√	√	√		√	√	
SD08-12 (0-6)	5/13/2008	Sediment	C8E140236-008	DQR	√	√	√	√	√		√	√	
SD08-12 (6-12)	5/13/2008	Sediment	C8E140236-009	DQR	√	√	√	√	√		√	√	
SD08-11 (0-6)	5/13/2008	Sediment	C8E140236-010	DQR	√	√	√	√	√		√	√	
SD08-11 (6-9)	5/13/2008	Sediment	C8E140236-011	DQR	√	√	√	√	√		√	√	MS/MSD
SD08-10 (0-6)	5/13/2008	Sediment	C8E140236-012	DQR	√	√	√	√	√	√	√	√	
SD08-10 (6-18)	5/13/2008	Sediment	C8E140236-013	DQR	√	√	√	√	√		√	√	
SD08-10 (18-23)	5/13/2008	Sediment	C8E140236-014	DQR	√	√	√	√	√		√	√	
SD08-9 (0-6)	5/13/2008	Sediment	C8E140236-016	Full	√	√	√	√	√		√	√	
SD08-9 (6-10)	5/13/2008	Sediment	C8E140236-017	DQR	√	√	√	√	√		√	√	
TB-3	5/12/2008	Water	C8E140236-018	DQR	√								Trip Blank

DQR = Data quality review as described by Section 10.2.1 of the Quailty Assurance Project Plan,
Quality Assurance Project Plan, Koppers Pond, Kentucky Avenue Wellfield Site, Operable Unit 4, April 2008
ID = identification
AVS/SEM = acid volatile sulfide/simultaneously extractable metals
MS/MSD = matrix spike/matrix spike duplicate
PCBs = polychlorinated biphenyls
SDG = sample delivery group
SVOCs = semivolatile organic compounds
TOC = total organic carbon
VOCs = volatile organic compounds

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140236

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-17	Antimony	0.91	mg/kg	SW846 6020	J	LM
SD08-17	Arsenic	3	mg/kg	SW846 6020	J	MI
SD08-17	Manganese	231	mg/kg	SW846 6020	J	LM
SD08-17	Selenium	0.72	mg/kg	SW846 6020	J	LM
SD08-17	Endrin aldehyde	2.9	ug/kg	SW846 8081A	U	SE
SD08-17	Endrin ketone	4.1	ug/kg	SW846 8081A	U	SE
SD08-17	Heptachlor epoxide	4.2	ug/kg	SW846 8081A	U	SE
SD08-17	gamma-BHC (Lindane)	2.4	ug/kg	SW846 8081A	U	SE
SD08-17	gamma-Chlordane	11	ug/kg	SW846 8081A	U	SE
SD08-17	Cyanide, Total	1.3	mg/kg	SW846 9012A	UJ	LM
SD08-17	Acenaphthene	19	ug/kg	SW846 8270C	J	DL
SD08-17	Di-n-octyl phthalate	220	ug/kg	SW846 8270C	UJ	BC
SD08-17	2,4-Dinitrophenol	1100	ug/kg	SW846 8270C	UJ	BC
SD08-17	Fluorene	24	ug/kg	SW846 8270C	J	DL
SD08-17	Hexachlorocyclopentadiene	220	ug/kg	SW846 8270C	UJ	LC
SD08-17	Hexachloroethane	220	ug/kg	SW846 8270C	UJ	LM
SD08-17	2-Methylnaphthalene	23	ug/kg	SW846 8270C	J	DL
SD08-17	4-Methylphenol	49	ug/kg	SW846 8270C	J	DL
SD08-17	Naphthalene	22	ug/kg	SW846 8270C	J	DL
SD08-17	Acetophenone	58	ug/kg	SW846 8270C	J	DL
SD08-17	Benzaldehyde	56	ug/kg	SW846 8270C	J	BC, DL
SD08-17	Butyl benzyl phthalate	36	ug/kg	SW846 8270C	J	DL
SD08-17	Acenaphthylene	30	ug/kg	SW846 8270C	J	DL
SD08-17	4-Chloroaniline	220	ug/kg	SW846 8270C	UJ	LC
SD08-17	Dibenzofuran	20	ug/kg	SW846 8270C	J	DL
SD08-17	3,3'-Dichlorobenzidine	220	ug/kg	SW846 8270C	UJ	BC
SD08-17	TOC	58500	mg/kg	EPA Lloyd Kahn	J	HM
SD08-16	Antimony	0.83	mg/kg	SW846 6020	J	LM
SD08-16	Arsenic	3.3	mg/kg	SW846 6020	J	MI
SD08-16	Manganese	254	mg/kg	SW846 6020	J	LM
SD08-16	Selenium	0.47	mg/kg	SW846 6020	J	LM, DL
SD08-16	Endrin ketone	4.6	ug/kg	SW846 8081A	U	SE
SD08-16	gamma-Chlordane	2.8	ug/kg	SW846 8081A	U	SE
SD08-16	Acetone	48	ug/kg	SW846 8260B	J	DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140236

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-16	Acenaphthene	24	ug/kg	SW846 8270C	J	DL
SD08-16	Di-n-octyl phthalate	260	ug/kg	SW846 8270C	UJ	BC
SD08-16	2,4-Dinitrophenol	1300	ug/kg	SW846 8270C	UJ	BC
SD08-16	Fluorene	34	ug/kg	SW846 8270C	J	DL
SD08-16	Hexachlorocyclopentadiene	260	ug/kg	SW846 8270C	UJ	LC
SD08-16	2-Methylnaphthalene	19	ug/kg	SW846 8270C	J	DL
SD08-16	Phenol	29	ug/kg	SW846 8270C	J	DL
SD08-16	bis(2-Ethylhexyl) phthalate	210	ug/kg	SW846 8270C	J	DL
SD08-16	Benzaldehyde	73	ug/kg	SW846 8270C	J	BC, DL
SD08-16	Acenaphthylene	24	ug/kg	SW846 8270C	J	DL
SD08-16	4-Chloroaniline	260	ug/kg	SW846 8270C	UJ	LC
SD08-16	Dibenzofuran	21	ug/kg	SW846 8270C	J	DL
SD08-16	Di-n-butyl phthalate	68	ug/kg	SW846 8270C	J	DL
SD08-16	3,3'-Dichlorobenzidine	260	ug/kg	SW846 8270C	UJ	BC
SD08-14	Antimony	0.27	mg/kg	SW846 6020	J	LM
SD08-14	Arsenic	7.2	mg/kg	SW846 6020	J	MI
SD08-14	Manganese	415	mg/kg	SW846 6020	J	LM
SD08-14	Selenium	0.63	mg/kg	SW846 6020	J	LM
SD08-14	Heptachlor epoxide	1.4	ug/kg	SW846 8081A	U	SE
SD08-14	alpha-BHC	0.53	ug/kg	SW846 8081A	U	SE
SD08-14	gamma-BHC (Lindane)	0.36	ug/kg	SW846 8081A	U	SE
SD08-14	gamma-Chlordane	1.5	ug/kg	SW846 8081A	J	DL
SD08-14	Acetone	11	ug/kg	SW846 8260B	J	HC, DL
SD08-14	Methylene chloride	10	ug/kg	SW846 8260B	U	TB
SD08-14	Di-n-octyl phthalate	170	ug/kg	SW846 8270C	UJ	BC
SD08-14	2,4-Dinitrophenol	880	ug/kg	SW846 8270C	UJ	BC
SD08-14	Anthracene	10	ug/kg	SW846 8270C	J	DL
SD08-14	Hexachlorocyclopentadiene	170	ug/kg	SW846 8270C	UJ	LC
SD08-14	4-Methylphenol	35	ug/kg	SW846 8270C	J	DL
SD08-14	Acetophenone	66	ug/kg	SW846 8270C	J	DL
SD08-14	Carbazole	13	ug/kg	SW846 8270C	J	DL
SD08-14	bis(2-Ethylhexyl) phthalate	53	ug/kg	SW846 8270C	J	DL
SD08-14	Benzaldehyde	52	ug/kg	SW846 8270C	J	BC, DL
SD08-14	Butyl benzyl phthalate	38	ug/kg	SW846 8270C	J	DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140236

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-14	Caprolactam	90	ug/kg	SW846 8270C	J	DL
SD08-14	4-Chloroaniline	170	ug/kg	SW846 8270C	UJ	LC
SD08-14	Dibenz(a,h)anthracene	14	ug/kg	SW846 8270C	J	DL
SD08-14	3,3'-Dichlorobenzidine	170	ug/kg	SW846 8270C	UJ	BC
SD08-15	Antimony	6	mg/kg	SW846 6020	J	LM, PM
SD08-15	Arsenic	4.1	mg/kg	SW846 6020	J	MI, PM
SD08-15	Iron	16800	mg/kg	SW846 6020	J	PM
SD08-15	Lead	189	mg/kg	SW846 6020	J	PM
SD08-15	Magnesium	6540	mg/kg	SW846 6020	J	PM
SD08-15	Manganese	216	mg/kg	SW846 6020	J	LM, PM
SD08-15	Barium	198	mg/kg	SW846 6020	J	PM
SD08-15	Nickel	41.1	mg/kg	SW846 6020	J	PM
SD08-15	Potassium	942	mg/kg	SW846 6020	J	PM
SD08-15	Beryllium	0.41	mg/kg	SW846 6020	J	PM
SD08-15	Selenium	1.3	mg/kg	SW846 6020	J	LM, DL, PM
SD08-15	Silver	4.6	mg/kg	SW846 6020	J	PM
SD08-15	Sodium	875	mg/kg	SW846 6020	J	PM
SD08-15	Thallium	0.3	mg/kg	SW846 6020	U	CB
SD08-15	Vanadium	15.7	mg/kg	SW846 6020	J	PM
SD08-15	Zinc	534	mg/kg	SW846 6020	J	PM
SD08-15	Chromium	83.4	mg/kg	SW846 6020	J	PM
SD08-15	Cadmium	22.7	mg/kg	SW846 6020	J	PM
SD08-15	Calcium	55600	mg/kg	SW846 6020	J	PM
SD08-15	Cobalt	7.6	mg/kg	SW846 6020	J	PM
SD08-15	Copper	94.6	mg/kg	SW846 6020	J	PM
SD08-15	Aluminum	8100	mg/kg	SW846 6020	J	PM
SD08-15	Mercury	0.12	mg/kg	SW846 7471A	J	PM
SD08-15	Aroclor 1016	50	ug/kg	SW846 8082	UJ	PM
SD08-15	Aroclor 1221	50	ug/kg	SW846 8082	UJ	PM
SD08-15	Aroclor 1232	50	ug/kg	SW846 8082	UJ	PM
SD08-15	Aroclor 1242	50	ug/kg	SW846 8082	UJ	PM
SD08-15	Aroclor 1248	50	ug/kg	SW846 8082	UJ	PM
SD08-15	Aroclor 1254	190	ug/kg	SW846 8082	J	PM
SD08-15	Aroclor 1260	50	ug/kg	SW846 8082	UJ	PM

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140236

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-15	Dieldrin	7.9	ug/kg	SW846 8081A	U	SE
SD08-15	Endosulfan I	25	ug/kg	SW846 8081A	UJ	PM
SD08-15	Endosulfan II	25	ug/kg	SW846 8081A	UJ	PM
SD08-15	Endosulfan sulfate	25	ug/kg	SW846 8081A	UJ	PM
SD08-15	Endrin	25	ug/kg	SW846 8081A	UJ	PM
SD08-15	Endrin aldehyde	25	ug/kg	SW846 8081A	UJ	PM
SD08-15	Endrin ketone	25	ug/kg	SW846 8081A	UJ	PM
SD08-15	Heptachlor	25	ug/kg	SW846 8081A	UJ	PM
SD08-15	Heptachlor epoxide	25	ug/kg	SW846 8081A	UJ	PM
SD08-15	Methoxychlor	49	ug/kg	SW846 8081A	UJ	PM
SD08-15	alpha-BHC	25	ug/kg	SW846 8081A	UJ	PM
SD08-15	beta-BHC	25	ug/kg	SW846 8081A	UJ	PM
SD08-15	delta-BHC	9.9	ug/kg	SW846 8081A	U	SE
SD08-15	gamma-BHC (Lindane)	5.5	ug/kg	SW846 8081A	U	SE
SD08-15	Toxaphene	1000	ug/kg	SW846 8081A	UJ	PM
SD08-15	alpha-Chlordane	25	ug/kg	SW846 8081A	UJ	PM
SD08-15	gamma-Chlordane	16	ug/kg	SW846 8081A	U	SE
SD08-15	Aldrin	25	ug/kg	SW846 8081A	UJ	PM
SD08-15	4,4'-DDD	25	ug/kg	SW846 8081A	UJ	PM
SD08-15	4,4'-DDE	25	ug/kg	SW846 8081A	UJ	PM
SD08-15	4,4'-DDT	25	ug/kg	SW846 8081A	UJ	PM
SD08-15	trans-1,3-Dichloropropene	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Acetone	79	ug/kg	SW846 8260B	J	HC, DL, PM
SD08-15	Ethylbenzene	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Trichlorofluoromethane	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	2-Hexanone	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Isopropylbenzene	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Methyl acetate	23	ug/kg	SW846 8260B	J	DL
SD08-15	Methylcyclohexane	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Methylene chloride	30	ug/kg	SW846 8260B	U	TB
SD08-15	4-Methyl-2-pentanone	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Benzene	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Styrene	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	1,1,2,2-Tetrachloroethane	30	ug/kg	SW846 8260B	UJ	PM

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140236

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-15	Tetrachloroethene	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Toluene	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	1,2,4-Trichlorobenzene	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	1,1,1-Trichloroethane	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	1,1,2-Trichloroethane	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Trichloroethene	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	1,1,2-Trichloro-1,2,2-trifluoroethar	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Vinyl chloride	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Xylenes (total)	89	ug/kg	SW846 8260B	UJ	PM
SD08-15	Methyl tert-butyl ether	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Bromodichloromethane	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Bromoform	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Bromomethane	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	2-Butanone	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Carbon disulfide	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Carbon tetrachloride	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Chlorobenzene	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Dibromochloromethane	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	1,2-Dibromo-3-chloropropane	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Chloroethane	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Chloroform	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Chloromethane	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Cyclohexane	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	1,2-Dibromoethane	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	1,2-Dichlorobenzene	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	1,3-Dichlorobenzene	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	1,4-Dichlorobenzene	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Dichlorodifluoromethane	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	1,1-Dichloroethane	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	1,2-Dichloroethane	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	1,1-Dichloroethene	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	cis-1,2-Dichloroethene	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	trans-1,2-Dichloroethene	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	1,2-Dichloropropane	30	ug/kg	SW846 8260B	UJ	PM

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140236

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-15	cis-1,3-Dichloropropene	30	ug/kg	SW846 8260B	UJ	PM
SD08-15	Cyanide, Total	3	mg/kg	SW846 9012A	UJ	PM
SD08-15	Acenaphthene	230	ug/kg	SW846 8270C	J	PM
SD08-15	Diethyl phthalate	490	ug/kg	SW846 8270C	UJ	PM
SD08-15	2,4-Dimethylphenol	490	ug/kg	SW846 8270C	UJ	PM
SD08-15	Dimethyl phthalate	490	ug/kg	SW846 8270C	UJ	PM
SD08-15	Di-n-octyl phthalate	490	ug/kg	SW846 8270C	UJ	BC, PM
SD08-15	4,6-Dinitro-2-methylphenol	2500	ug/kg	SW846 8270C	UJ	PM
SD08-15	2,4-Dinitrophenol	2500	ug/kg	SW846 8270C	UJ	BC, PM
SD08-15	2,4-Dinitrotoluene	490	ug/kg	SW846 8270C	UJ	PM
SD08-15	2,6-Dinitrotoluene	490	ug/kg	SW846 8270C	UJ	PM
SD08-15	Anthracene	490	ug/kg	SW846 8270C	J	PM
SD08-15	Fluoranthene	10000	ug/kg	SW846 8270C	J	PM
SD08-15	Fluorene	310	ug/kg	SW846 8270C	J	PM
SD08-15	Hexachlorobenzene	100	ug/kg	SW846 8270C	UJ	PM
SD08-15	Hexachlorobutadiene	100	ug/kg	SW846 8270C	UJ	PM
SD08-15	Hexachlorocyclopentadiene	490	ug/kg	SW846 8270C	UJ	LC, PM
SD08-15	Hexachloroethane	490	ug/kg	SW846 8270C	UJ	PM
SD08-15	Indeno(1,2,3-cd)pyrene	580	ug/kg	SW846 8270C	J	PM
SD08-15	Isophorone	490	ug/kg	SW846 8270C	UJ	PM
SD08-15	Atrazine	490	ug/kg	SW846 8270C	UJ	PM
SD08-15	2-Methylnaphthalene	48	ug/kg	SW846 8270C	J	DL, PM
SD08-15	2-Methylphenol	490	ug/kg	SW846 8270C	UJ	PM
SD08-15	4-Methylphenol	67	ug/kg	SW846 8270C	J	DL, PM
SD08-15	Naphthalene	28	ug/kg	SW846 8270C	J	DL, PM
SD08-15	2-Nitroaniline	2500	ug/kg	SW846 8270C	UJ	PM
SD08-15	3-Nitroaniline	2500	ug/kg	SW846 8270C	UJ	PM
SD08-15	4-Nitroaniline	2500	ug/kg	SW846 8270C	UJ	PM
SD08-15	Nitrobenzene	100	ug/kg	SW846 8270C	UJ	PM
SD08-15	2-Nitrophenol	490	ug/kg	SW846 8270C	UJ	PM
SD08-15	4-Nitrophenol	2500	ug/kg	SW846 8270C	UJ	PM
SD08-15	Benzo(a)anthracene	2200	ug/kg	SW846 8270C	J	PM
SD08-15	N-Nitrosodi-n-propylamine	100	ug/kg	SW846 8270C	UJ	PM
SD08-15	N-Nitrosodiphenylamine	100	ug/kg	SW846 8270C	UJ	PM

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140236

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-15	Benzo(b)fluoranthene	2600	ug/kg	SW846 8270C	J	PM
SD08-15	Benzo(k)fluoranthene	100	ug/kg	SW846 8270C	UJ	PM
SD08-15	Benzo(ghi)perylene	580	ug/kg	SW846 8270C	J	PM
SD08-15	Benzo(a)pyrene	940	ug/kg	SW846 8270C	J	PM
SD08-15	Pentachlorophenol	490	ug/kg	SW846 8270C	UJ	PM
SD08-15	Phenanthrene	1600	ug/kg	SW846 8270C	J	PM
SD08-15	Phenol	100	ug/kg	SW846 8270C	UJ	PM
SD08-15	Pyrene	4600	ug/kg	SW846 8270C	J	PM
SD08-15	Acetophenone	490	ug/kg	SW846 8270C	UJ	PM
SD08-15	2,4,5-Trichlorophenol	490	ug/kg	SW846 8270C	UJ	PM
SD08-15	2,4,6-Trichlorophenol	490	ug/kg	SW846 8270C	UJ	PM
SD08-15	Carbazole	380	ug/kg	SW846 8270C	J	PM
SD08-15	bis(2-Chloroethoxy)methane	490	ug/kg	SW846 8270C	UJ	PM
SD08-15	bis(2-Chloroethyl) ether	100	ug/kg	SW846 8270C	UJ	PM
SD08-15	bis(2-Ethylhexyl) phthalate	220	ug/kg	SW846 8270C	J	DL, PM
SD08-15	Benzaldehyde	170	ug/kg	SW846 8270C	J	BC, DL, PM
SD08-15	1,1'-Biphenyl	490	ug/kg	SW846 8270C	UJ	PM
SD08-15	4-Bromophenyl phenyl ether	490	ug/kg	SW846 8270C	UJ	PM
SD08-15	2,2'-oxybis(1-Chloropropane)	100	ug/kg	SW846 8270C	UJ	PM
SD08-15	Butyl benzyl phthalate	75	ug/kg	SW846 8270C	J	DL, PM
SD08-15	Acenaphthylene	190	ug/kg	SW846 8270C	J	PM
SD08-15	Caprolactam	250	ug/kg	SW846 8270C	J	DL, PM
SD08-15	4-Chloroaniline	490	ug/kg	SW846 8270C	UJ	LC, PM
SD08-15	4-Chloro-3-methylphenol	490	ug/kg	SW846 8270C	UJ	PM
SD08-15	2-Chloronaphthalene	100	ug/kg	SW846 8270C	UJ	PM
SD08-15	2-Chlorophenol	490	ug/kg	SW846 8270C	UJ	PM
SD08-15	4-Chlorophenyl phenyl ether	490	ug/kg	SW846 8270C	UJ	PM
SD08-15	Chrysene	3400	ug/kg	SW846 8270C	J	PM
SD08-15	Dibenz(a,h)anthracene	64	ug/kg	SW846 8270C	J	DL, PM
SD08-15	Dibenzofuran	180	ug/kg	SW846 8270C	J	DL, PM
SD08-15	Di-n-butyl phthalate	490	ug/kg	SW846 8270C	UJ	PM
SD08-15	3,3'-Dichlorobenzidine	490	ug/kg	SW846 8270C	UJ	BC, PM
SD08-15	2,4-Dichlorophenol	100	ug/kg	SW846 8270C	UJ	PM
SD08-15	TOC	222000	mg/kg	EPA Lloyd Kahn	J	PM

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140236

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-13 (0-6)	Antimony	2.7	mg/kg	SW846 6020	J	LM, PM
SD08-13 (0-6)	Arsenic	2.7	mg/kg	SW846 6020	J	MI, PM
SD08-13 (0-6)	Iron	19300	mg/kg	SW846 6020	J	PM
SD08-13 (0-6)	Lead	267	mg/kg	SW846 6020	J	PM
SD08-13 (0-6)	Magnesium	5620	mg/kg	SW846 6020	J	PM
SD08-13 (0-6)	Manganese	141	mg/kg	SW846 6020	J	LM, PM
SD08-13 (0-6)	Barium	485	mg/kg	SW846 6020	J	PM
SD08-13 (0-6)	Nickel	124	mg/kg	SW846 6020	J	PM
SD08-13 (0-6)	Potassium	1220	mg/kg	SW846 6020	J	PM
SD08-13 (0-6)	Beryllium	0.46	mg/kg	SW846 6020	J	PM
SD08-13 (0-6)	Selenium	0.56	mg/kg	SW846 6020	J	LM, DL, PM
SD08-13 (0-6)	Silver	8.1	mg/kg	SW846 6020	J	PM
SD08-13 (0-6)	Sodium	733	mg/kg	SW846 6020	J	PM
SD08-13 (0-6)	Thallium	0.23	mg/kg	SW846 6020	J	PM
SD08-13 (0-6)	Vanadium	19.2	mg/kg	SW846 6020	J	PM
SD08-13 (0-6)	Zinc	1190	mg/kg	SW846 6020	J	PM
SD08-13 (0-6)	Chromium	195	mg/kg	SW846 6020	J	PM
SD08-13 (0-6)	Cadmium	72.1	mg/kg	SW846 6020	J	PM
SD08-13 (0-6)	Calcium	172000	mg/kg	SW846 6020	J	PM
SD08-13 (0-6)	Cobalt	11	mg/kg	SW846 6020	J	PM
SD08-13 (0-6)	Copper	246	mg/kg	SW846 6020	J	PM
SD08-13 (0-6)	Aluminum	11100	mg/kg	SW846 6020	J	PM
SD08-13 (0-6)	Mercury	0.22	mg/kg	SW846 7471A	J	PM
SD08-13 (0-6)	Aroclor 1016	31	ug/kg	SW846 8082	UJ	PM
SD08-13 (0-6)	Aroclor 1221	31	ug/kg	SW846 8082	UJ	PM
SD08-13 (0-6)	Aroclor 1232	31	ug/kg	SW846 8082	UJ	PM
SD08-13 (0-6)	Aroclor 1242	31	ug/kg	SW846 8082	UJ	PM
SD08-13 (0-6)	Aroclor 1248	31	ug/kg	SW846 8082	UJ	PM
SD08-13 (0-6)	Aroclor 1254	2700	ug/kg	SW846 8082	J	HS, PM
SD08-13 (0-6)	Aroclor 1260	31	ug/kg	SW846 8082	UJ	PM
SD08-13 (0-6)	Dieldrin	32	ug/kg	SW846 8081A	UJ	PM
SD08-13 (0-6)	Endosulfan I	32	ug/kg	SW846 8081A	UJ	PM
SD08-13 (0-6)	Endosulfan II	32	ug/kg	SW846 8081A	UJ	PM
SD08-13 (0-6)	Endosulfan sulfate	24	ug/kg	SW846 8081A	U	SE

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140236

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-13 (0-6)	Endrin	32	ug/kg	SW846 8081A	UJ	PM
SD08-13 (0-6)	Endrin aldehyde	32	ug/kg	SW846 8081A	UJ	PM
SD08-13 (0-6)	Endrin ketone	26	ug/kg	SW846 8081A	U	SE
SD08-13 (0-6)	Heptachlor	32	ug/kg	SW846 8081A	UJ	PM
SD08-13 (0-6)	Heptachlor epoxide	6.8	ug/kg	SW846 8081A	U	SE
SD08-13 (0-6)	Methoxychlor	62	ug/kg	SW846 8081A	UJ	PM
SD08-13 (0-6)	alpha-BHC	32	ug/kg	SW846 8081A	UJ	PM
SD08-13 (0-6)	beta-BHC	32	ug/kg	SW846 8081A	UJ	PM
SD08-13 (0-6)	delta-BHC	7.9	ug/kg	SW846 8081A	U	SE
SD08-13 (0-6)	gamma-BHC (Lindane)	15	ug/kg	SW846 8081A	J	DL, PM
SD08-13 (0-6)	Toxaphene	1300	ug/kg	SW846 8081A	UJ	PM
SD08-13 (0-6)	alpha-Chlordane	32	ug/kg	SW846 8081A	UJ	PM
SD08-13 (0-6)	gamma-Chlordane	49	ug/kg	SW846 8081A	U	SE
SD08-13 (0-6)	Aldrin	8.3	ug/kg	SW846 8081A	U	SE
SD08-13 (0-6)	4,4'-DDD	32	ug/kg	SW846 8081A	UJ	PM
SD08-13 (0-6)	4,4'-DDE	32	ug/kg	SW846 8081A	UJ	PM
SD08-13 (0-6)	4,4'-DDT	32	ug/kg	SW846 8081A	UJ	PM
SD08-13 (0-6)	trans-1,3-Dichloropropene	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Acetone	73	ug/kg	SW846 8260B	J	HC, DL, PM
SD08-13 (0-6)	Ethylbenzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Trichlorofluoromethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	2-Hexanone	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Isopropylbenzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Methyl acetate	8.9	ug/kg	SW846 8260B	J	DL, PM
SD08-13 (0-6)	Methylcyclohexane	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Methylene chloride	19	ug/kg	SW846 8260B	U	TB
SD08-13 (0-6)	4-Methyl-2-pentanone	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Benzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Styrene	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	1,1,2,2-Tetrachloroethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Tetrachloroethene	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Toluene	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	1,2,4-Trichlorobenzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	1,1,1-Trichloroethane	19	ug/kg	SW846 8260B	UJ	PM

TABLE 2
Data Validation Qualifiers
Koppers Pond
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-13 (0-6)	1,1,2-Trichloroethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Trichloroethene	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	1,1,2-Trichloro-1,2,2-trifluoroetha	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Vinyl chloride	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Xylenes (total)	56	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Methyl tert-butyl ether	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Bromodichloromethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Bromoform	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Bromomethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	2-Butanone	14	ug/kg	SW846 8260B	J	DL, PM
SD08-13 (0-6)	Carbon disulfide	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Carbon tetrachloride	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Chlorobenzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Dibromochloromethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	1,2-Dibromo-3-chloropropane	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Chloroethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Chloroform	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Chloromethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Cyclohexane	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	1,2-Dibromoethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	1,2-Dichlorobenzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	1,3-Dichlorobenzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	1,4-Dichlorobenzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Dichlorodifluoromethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	1,1-Dichloroethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	1,2-Dichloroethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	1,1-Dichloroethene	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	cis-1,2-Dichloroethene	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	trans-1,2-Dichloroethene	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	1,2-Dichloropropane	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	cis-1,3-Dichloropropene	19	ug/kg	SW846 8260B	UJ	PM
SD08-13 (0-6)	Cyanide, Total	0.68	mg/kg	SW846 9012A	J	DL, PM
SD08-13 (0-6)	Acenaphthene	63	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	Diethyl phthalate	310	ug/kg	SW846 8270C	UJ	PM

TABLE 2
Data Validation Qualifiers
Koppers Pond
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-13 (0-6)	2,4-Dimethylphenol	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	Dimethyl phthalate	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	Di-n-octyl phthalate	310	ug/kg	SW846 8270C	UJ	BC, PM
SD08-13 (0-6)	4,6-Dinitro-2-methylphenol	1600	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	2,4-Dinitrophenol	1600	ug/kg	SW846 8270C	UJ	BC, PM
SD08-13 (0-6)	2,4-Dinitrotoluene	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	2,6-Dinitrotoluene	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	Anthracene	68	ug/kg	SW846 8270C	J	PM
SD08-13 (0-6)	Fluoranthene	520	ug/kg	SW846 8270C	J	PM
SD08-13 (0-6)	Fluorene	27	ug/kg	SW846 8270C	J	DL, PM
SD08-13 (0-6)	Hexachlorobenzene	63	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	Hexachlorobutadiene	63	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	Hexachlorocyclopentadiene	310	ug/kg	SW846 8270C	UJ	LC, PM
SD08-13 (0-6)	Hexachloroethane	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	Indeno(1,2,3-cd)pyrene	160	ug/kg	SW846 8270C	J	PM
SD08-13 (0-6)	Isophorone	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	Atrazine	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	2-Methylnaphthalene	63	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	2-Methylphenol	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	4-Methylphenol	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	Naphthalene	63	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	2-Nitroaniline	1600	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	3-Nitroaniline	1600	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	4-Nitroaniline	1600	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	Nitrobenzene	63	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	2-Nitrophenol	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	4-Nitrophenol	1600	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	Benzo(a)anthracene	190	ug/kg	SW846 8270C	J	PM
SD08-13 (0-6)	N-Nitrosodi-n-propylamine	63	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	N-Nitrosodiphenylamine	63	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	Benzo(b)fluoranthene	300	ug/kg	SW846 8270C	J	PM
SD08-13 (0-6)	Benzo(k)fluoranthene	63	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	Benzo(ghi)perylene	180	ug/kg	SW846 8270C	J	PM
SD08-13 (0-6)	Benzo(a)pyrene	190	ug/kg	SW846 8270C	J	PM

TABLE 2
Data Validation Qualifiers
Koppers Pond
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-13 (0-6)	Pentachlorophenol	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	Phenanthrene	100	ug/kg	SW846 8270C	J	PM
SD08-13 (0-6)	Phenol	63	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	Pyrene	250	ug/kg	SW846 8270C	J	PM
SD08-13 (0-6)	Acetophenone	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	2,4,5-Trichlorophenol	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	2,4,6-Trichlorophenol	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	Carbazole	34	ug/kg	SW846 8270C	J	DL, PM
SD08-13 (0-6)	bis(2-Chloroethoxy)methane	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	bis(2-Chloroethyl) ether	63	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	bis(2-Ethylhexyl) phthalate	110	ug/kg	SW846 8270C	J	DL, PM
SD08-13 (0-6)	Benzaldehyde	310	ug/kg	SW846 8270C	UJ	BC, PM
SD08-13 (0-6)	1,1'-Biphenyl	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	4-Bromophenyl phenyl ether	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	2,2'-oxybis(1-Chloropropane)	63	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	Butyl benzyl phthalate	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	Acenaphthylene	57	ug/kg	SW846 8270C	J	DL, PM
SD08-13 (0-6)	Caprolactam	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	4-Chloroaniline	310	ug/kg	SW846 8270C	UJ	LC, PM
SD08-13 (0-6)	4-Chloro-3-methylphenol	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	2-Chloronaphthalene	63	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	2-Chlorophenol	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	4-Chlorophenyl phenyl ether	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	Chrysene	250	ug/kg	SW846 8270C	J	PM
SD08-13 (0-6)	Dibenz(a,h)anthracene	54	ug/kg	SW846 8270C	J	DL, PM
SD08-13 (0-6)	Dibenzofuran	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	Di-n-butyl phthalate	310	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	3,3'-Dichlorobenzidine	310	ug/kg	SW846 8270C	UJ	BC, PM
SD08-13 (0-6)	2,4-Dichlorophenol	63	ug/kg	SW846 8270C	UJ	PM
SD08-13 (0-6)	TOC	75100	mg/kg	EPA Lloyd Kahn	J	PM
SD08-13 (6-18)	Antimony	1.9	mg/kg	SW846 6020	J	LM
SD08-13 (6-18)	Arsenic	3.8	mg/kg	SW846 6020	J	MI
SD08-13 (6-18)	Manganese	166	mg/kg	SW846 6020	J	LM
SD08-13 (6-18)	Selenium	0.61	mg/kg	SW846 6020	J	LM, DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-13 (6-18)	Endosulfan sulfate	3.7	ug/kg	SW846 8081A	U	SE
SD08-13 (6-18)	Endrin aldehyde	3.9	ug/kg	SW846 8081A	J	DL
SD08-13 (6-18)	Endrin ketone	6.4	ug/kg	SW846 8081A	U	SE
SD08-13 (6-18)	delta-BHC	2.6	ug/kg	SW846 8081A	U	SE
SD08-13 (6-18)	gamma-BHC (Lindane)	2.1	ug/kg	SW846 8081A	U	SE
SD08-13 (6-18)	gamma-Chlordane	10	ug/kg	SW846 8081A	U	SE
SD08-13 (6-18)	Aldrin	5.7	ug/kg	SW846 8081A	U	SE
SD08-13 (6-18)	Methylene chloride	15	ug/kg	SW846 8260B	U	MB, TB
SD08-13 (6-18)	Cyanide, Total	1.5	mg/kg	SW846 9012A	UJ	LM
SD08-13 (6-18)	Acenaphthene	18	ug/kg	SW846 8270C	J	DL
SD08-13 (6-18)	Di-n-octyl phthalate	250	ug/kg	SW846 8270C	UJ	BC
SD08-13 (6-18)	2,4-Dinitrophenol	1300	ug/kg	SW846 8270C	UJ	BC
SD08-13 (6-18)	Fluorene	39	ug/kg	SW846 8270C	J	DL
SD08-13 (6-18)	Hexachlorocyclopentadiene	250	ug/kg	SW846 8270C	UJ	LC
SD08-13 (6-18)	2-Methylnaphthalene	18	ug/kg	SW846 8270C	J	DL
SD08-13 (6-18)	Naphthalene	19	ug/kg	SW846 8270C	J	DL
SD08-13 (6-18)	Carbazole	39	ug/kg	SW846 8270C	J	DL
SD08-13 (6-18)	bis(2-Ethylhexyl) phthalate	120	ug/kg	SW846 8270C	J	DL
SD08-13 (6-18)	Benzaldehyde	59	ug/kg	SW846 8270C	J	BC, DL
SD08-13 (6-18)	Butyl benzyl phthalate	39	ug/kg	SW846 8270C	J	DL
SD08-13 (6-18)	4-Chloroaniline	250	ug/kg	SW846 8270C	UJ	LC
SD08-13 (6-18)	Dibenz(a,h)anthracene	36	ug/kg	SW846 8270C	J	DL
SD08-13 (6-18)	Dibenzofuran	25	ug/kg	SW846 8270C	J	DL
SD08-13 (6-18)	3,3'-Dichlorobenzidine	250	ug/kg	SW846 8270C	UJ	BC
SD08-13 (18-27.5)	Antimony	2	mg/kg	SW846 6020	J	LM
SD08-13 (18-27.5)	Arsenic	3.9	mg/kg	SW846 6020	J	MI
SD08-13 (18-27.5)	Manganese	157	mg/kg	SW846 6020	J	LM
SD08-13 (18-27.5)	Selenium	0.9	mg/kg	SW846 6020	J	LM
SD08-13 (18-27.5)	Dieldrin	34	ug/kg	SW846 8081A	U	SE
SD08-13 (18-27.5)	Endosulfan sulfate	52	ug/kg	SW846 8081A	U	SE
SD08-13 (18-27.5)	Endrin ketone	53	ug/kg	SW846 8081A	U	SE
SD08-13 (18-27.5)	Heptachlor	3.1	ug/kg	SW846 8081A	U	SE
SD08-13 (18-27.5)	Heptachlor epoxide	4.2	ug/kg	SW846 8081A	U	SE
SD08-13 (18-27.5)	delta-BHC	5.4	ug/kg	SW846 8081A	U	SE

TABLE 2
Data Validation Qualifiers
Koppers Pond
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-13 (18-27.5)	gamma-BHC (Lindane)	4.1	ug/kg	SW846 8081A	U	SE
SD08-13 (18-27.5)	gamma-Chlordane	46	ug/kg	SW846 8081A	U	SE
SD08-13 (18-27.5)	4,4'-DDD	3	ug/kg	SW846 8081A	U	SE
SD08-13 (18-27.5)	Methylene chloride	12	ug/kg	SW846 8260B	U	TB
SD08-13 (18-27.5)	Carbon disulfide	6.7	ug/kg	SW846 8260B	J	DL
SD08-13 (18-27.5)	Cyanide, Total	0.27	mg/kg	SW846 9012A	J	DL, LM
SD08-13 (18-27.5)	Acenaphthene	20	ug/kg	SW846 8270C	J	DL
SD08-13 (18-27.5)	Di-n-octyl phthalate	200	ug/kg	SW846 8270C	UJ	BC
SD08-13 (18-27.5)	2,4-Dinitrophenol	1000	ug/kg	SW846 8270C	UJ	BC
SD08-13 (18-27.5)	Hexachlorocyclopentadiene	200	ug/kg	SW846 8270C	UJ	LC
SD08-13 (18-27.5)	2-Methylnaphthalene	20	ug/kg	SW846 8270C	J	DL
SD08-13 (18-27.5)	4-Methylphenol	26	ug/kg	SW846 8270C	J	DL
SD08-13 (18-27.5)	Naphthalene	25	ug/kg	SW846 8270C	J	DL
SD08-13 (18-27.5)	bis(2-Ethylhexyl) phthalate	86	ug/kg	SW846 8270C	J	DL
SD08-13 (18-27.5)	Benzaldehyde	45	ug/kg	SW846 8270C	J	BC, DL
SD08-13 (18-27.5)	1,1'-Biphenyl	11	ug/kg	SW846 8270C	J	DL
SD08-13 (18-27.5)	Butyl benzyl phthalate	53	ug/kg	SW846 8270C	J	DL
SD08-13 (18-27.5)	4-Chloroaniline	200	ug/kg	SW846 8270C	UJ	LC
SD08-13 (18-27.5)	Dibenz(a,h)anthracene	21	ug/kg	SW846 8270C	J	DL
SD08-13 (18-27.5)	Dibenzofuran	53	ug/kg	SW846 8270C	J	DL
SD08-13 (18-27.5)	3,3'-Dichlorobenzidine	200	ug/kg	SW846 8270C	UJ	BC
SD08-12 (0-6)	Antimony	3.2	mg/kg	SW846 6020	J	LM, PM
SD08-12 (0-6)	Arsenic	1.9	mg/kg	SW846 6020	J	MI, PM
SD08-12 (0-6)	Iron	11800	mg/kg	SW846 6020	J	PM
SD08-12 (0-6)	Lead	312	mg/kg	SW846 6020	J	PM
SD08-12 (0-6)	Magnesium	5900	mg/kg	SW846 6020	J	PM
SD08-12 (0-6)	Manganese	112	mg/kg	SW846 6020	J	LM, PM
SD08-12 (0-6)	Barium	330	mg/kg	SW846 6020	J	PM
SD08-12 (0-6)	Nickel	46.3	mg/kg	SW846 6020	J	PM
SD08-12 (0-6)	Potassium	612	mg/kg	SW846 6020	J	PM
SD08-12 (0-6)	Beryllium	0.26	mg/kg	SW846 6020	J	PM
SD08-12 (0-6)	Selenium	0.35	mg/kg	SW846 6020	J	LM, DL, PM
SD08-12 (0-6)	Silver	9	mg/kg	SW846 6020	J	PM
SD08-12 (0-6)	Sodium	562	mg/kg	SW846 6020	J	PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-12 (0-6)	Thallium	0.18	mg/kg	SW846 6020	U	CB
SD08-12 (0-6)	Vanadium	9.8	mg/kg	SW846 6020	J	PM
SD08-12 (0-6)	Zinc	882	mg/kg	SW846 6020	J	PM
SD08-12 (0-6)	Chromium	130	mg/kg	SW846 6020	J	PM
SD08-12 (0-6)	Cadmium	46.5	mg/kg	SW846 6020	J	PM
SD08-12 (0-6)	Calcium	199000	mg/kg	SW846 6020	J	PM
SD08-12 (0-6)	Cobalt	5.8	mg/kg	SW846 6020	J	PM
SD08-12 (0-6)	Copper	133	mg/kg	SW846 6020	J	PM
SD08-12 (0-6)	Aluminum	5910	mg/kg	SW846 6020	J	PM
SD08-12 (0-6)	Mercury	0.21	mg/kg	SW846 7471A	J	PM
SD08-12 (0-6)	Aroclor 1016	31	ug/kg	SW846 8082	UJ	PM
SD08-12 (0-6)	Aroclor 1221	31	ug/kg	SW846 8082	UJ	PM
SD08-12 (0-6)	Aroclor 1232	31	ug/kg	SW846 8082	UJ	PM
SD08-12 (0-6)	Aroclor 1242	31	ug/kg	SW846 8082	UJ	PM
SD08-12 (0-6)	Aroclor 1248	31	ug/kg	SW846 8082	UJ	PM
SD08-12 (0-6)	Aroclor 1254	180	ug/kg	SW846 8082	J	PM
SD08-12 (0-6)	Aroclor 1260	31	ug/kg	SW846 8082	UJ	PM
SD08-12 (0-6)	Dieldrin	16	ug/kg	SW846 8081A	UJ	PM
SD08-12 (0-6)	Endosulfan I	16	ug/kg	SW846 8081A	UJ	PM
SD08-12 (0-6)	Endosulfan II	16	ug/kg	SW846 8081A	UJ	PM
SD08-12 (0-6)	Endosulfan sulfate	16	ug/kg	SW846 8081A	UJ	PM
SD08-12 (0-6)	Endrin	16	ug/kg	SW846 8081A	UJ	PM
SD08-12 (0-6)	Endrin aldehyde	16	ug/kg	SW846 8081A	UJ	PM
SD08-12 (0-6)	Endrin ketone	8.3	ug/kg	SW846 8081A	U	SE
SD08-12 (0-6)	Heptachlor	3.2	ug/kg	SW846 8081A	U	SE
SD08-12 (0-6)	Heptachlor epoxide	16	ug/kg	SW846 8081A	UJ	PM
SD08-12 (0-6)	Methoxychlor	30	ug/kg	SW846 8081A	UJ	PM
SD08-12 (0-6)	alpha-BHC	16	ug/kg	SW846 8081A	UJ	PM
SD08-12 (0-6)	beta-BHC	16	ug/kg	SW846 8081A	UJ	PM
SD08-12 (0-6)	delta-BHC	16	ug/kg	SW846 8081A	UJ	PM
SD08-12 (0-6)	gamma-BHC (Lindane)	16	ug/kg	SW846 8081A	UJ	PM
SD08-12 (0-6)	Toxaphene	610	ug/kg	SW846 8081A	UJ	PM
SD08-12 (0-6)	alpha-Chlordane	16	ug/kg	SW846 8081A	UJ	PM
SD08-12 (0-6)	gamma-Chlordane	4.7	ug/kg	SW846 8081A	U	SE

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-12 (0-6)	Aldrin	16	ug/kg	SW846 8081A	UJ	PM
SD08-12 (0-6)	4,4'-DDD	16	ug/kg	SW846 8081A	UJ	PM
SD08-12 (0-6)	4,4'-DDE	16	ug/kg	SW846 8081A	UJ	PM
SD08-12 (0-6)	4,4'-DDT	16	ug/kg	SW846 8081A	UJ	PM
SD08-12 (0-6)	trans-1,3-Dichloropropene	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Acetone	73	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Ethylbenzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Trichlorofluoromethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	2-Hexanone	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Isopropylbenzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Methyl acetate	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Methylcyclohexane	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Methylene chloride	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	4-Methyl-2-pentanone	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Benzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Styrene	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	1,1,2,2-Tetrachloroethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Tetrachloroethene	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Toluene	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	1,2,4-Trichlorobenzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	1,1,1-Trichloroethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	1,1,2-Trichloroethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Trichloroethene	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	1,1,2-Trichloro-1,2,2-trifluoroetha	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Vinyl chloride	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Xylenes (total)	55	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Methyl tert-butyl ether	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Bromodichloromethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Bromoform	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Bromomethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	2-Butanone	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Carbon disulfide	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Carbon tetrachloride	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Chlorobenzene	18	ug/kg	SW846 8260B	UJ	PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-12 (0-6)	Dibromochloromethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	1,2-Dibromo-3-chloropropane	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Chloroethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Chloroform	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Chloromethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Cyclohexane	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	1,2-Dibromoethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	1,2-Dichlorobenzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	1,3-Dichlorobenzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	1,4-Dichlorobenzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Dichlorodifluoromethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	1,1-Dichloroethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	1,2-Dichloroethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	1,1-Dichloroethene	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	cis-1,2-Dichloroethene	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	trans-1,2-Dichloroethene	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	1,2-Dichloropropane	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	cis-1,3-Dichloropropene	18	ug/kg	SW846 8260B	UJ	PM
SD08-12 (0-6)	Cyanide, Total	0.44	mg/kg	SW846 9012A	J	DL, PM
SD08-12 (0-6)	Acenaphthene	61	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	Diethyl phthalate	300	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	2,4-Dimethylphenol	300	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	Dimethyl phthalate	300	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	Di-n-octyl phthalate	300	ug/kg	SW846 8270C	UJ	BC, PM
SD08-12 (0-6)	4,6-Dinitro-2-methylphenol	1600	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	2,4-Dinitrophenol	1600	ug/kg	SW846 8270C	UJ	BC, PM
SD08-12 (0-6)	2,4-Dinitrotoluene	300	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	2,6-Dinitrotoluene	300	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	Anthracene	63	ug/kg	SW846 8270C	J	PM
SD08-12 (0-6)	Fluoranthene	610	ug/kg	SW846 8270C	J	PM
SD08-12 (0-6)	Fluorene	22	ug/kg	SW846 8270C	J	DL, PM
SD08-12 (0-6)	Hexachlorobenzene	61	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	Hexachlorobutadiene	61	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	Hexachlorocyclopentadiene	300	ug/kg	SW846 8270C	UJ	LC, PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-12 (0-6)	Hexachloroethane	300	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	Indeno(1,2,3-cd)pyrene	180	ug/kg	SW846 8270C	J	PM
SD08-12 (0-6)	Isophorone	300	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	Atrazine	300	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	2-Methylnaphthalene	61	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	2-Methylphenol	300	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	4-Methylphenol	19	ug/kg	SW846 8270C	J	DL, PM
SD08-12 (0-6)	Naphthalene	61	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	2-Nitroaniline	1600	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	3-Nitroaniline	1600	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	4-Nitroaniline	1600	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	Nitrobenzene	61	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	2-Nitrophenol	300	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	4-Nitrophenol	1600	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	Benzo(a)anthracene	210	ug/kg	SW846 8270C	J	PM
SD08-12 (0-6)	N-Nitrosodi-n-propylamine	61	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	N-Nitrosodiphenylamine	61	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	Benzo(b)fluoranthene	470	ug/kg	SW846 8270C	J	PM
SD08-12 (0-6)	Benzo(k)fluoranthene	61	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	Benzo(ghi)perylene	210	ug/kg	SW846 8270C	J	PM
SD08-12 (0-6)	Benzo(a)pyrene	230	ug/kg	SW846 8270C	J	PM
SD08-12 (0-6)	Pentachlorophenol	300	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	Phenanthrene	140	ug/kg	SW846 8270C	J	PM
SD08-12 (0-6)	Phenol	61	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	Pyrene	330	ug/kg	SW846 8270C	J	PM
SD08-12 (0-6)	Acetophenone	300	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	2,4,5-Trichlorophenol	300	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	2,4,6-Trichlorophenol	300	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	Carbazole	54	ug/kg	SW846 8270C	J	DL, PM
SD08-12 (0-6)	bis(2-Chloroethoxy)methane	300	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	bis(2-Chloroethyl) ether	61	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	bis(2-Ethylhexyl) phthalate	120	ug/kg	SW846 8270C	J	DL, PM
SD08-12 (0-6)	Benzaldehyde	40	ug/kg	SW846 8270C	J	BC, DL, PM
SD08-12 (0-6)	1,1'-Biphenyl	300	ug/kg	SW846 8270C	UJ	PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-12 (0-6)	4-Bromophenyl phenyl ether	300	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	2,2'-oxybis(1-Chloropropane)	61	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	Butyl benzyl phthalate	56	ug/kg	SW846 8270C	J	DL, PM
SD08-12 (0-6)	Acenaphthylene	61	ug/kg	SW846 8270C	J	PM
SD08-12 (0-6)	Caprolactam	110	ug/kg	SW846 8270C	J	DL, PM
SD08-12 (0-6)	4-Chloroaniline	300	ug/kg	SW846 8270C	UJ	LC, PM
SD08-12 (0-6)	4-Chloro-3-methylphenol	300	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	2-Chloronaphthalene	61	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	2-Chlorophenol	300	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	4-Chlorophenyl phenyl ether	300	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	Chrysene	330	ug/kg	SW846 8270C	J	PM
SD08-12 (0-6)	Dibenz(a,h)anthracene	36	ug/kg	SW846 8270C	J	DL, PM
SD08-12 (0-6)	Dibenzofuran	300	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	Di-n-butyl phthalate	300	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	3,3'-Dichlorobenzidine	300	ug/kg	SW846 8270C	UJ	BC, PM
SD08-12 (0-6)	2,4-Dichlorophenol	61	ug/kg	SW846 8270C	UJ	PM
SD08-12 (0-6)	TOC	48100	mg/kg	EPA Lloyd Kahn	J	PM
SD08-12 (6-12)	Antimony	7.9	mg/kg	SW846 6020	J	LM
SD08-12 (6-12)	Arsenic	2.6	mg/kg	SW846 6020	J	MI
SD08-12 (6-12)	Manganese	156	mg/kg	SW846 6020	J	LM
SD08-12 (6-12)	Selenium	0.39	mg/kg	SW846 6020	J	LM, DL
SD08-12 (6-12)	Endrin ketone	2.4	ug/kg	SW846 8081A	U	SE
SD08-12 (6-12)	Heptachlor	3	ug/kg	SW846 8081A	J	DL
SD08-12 (6-12)	alpha-Chlordane	6.2	ug/kg	SW846 8081A	U	SE
SD08-12 (6-12)	Aldrin	3.6	ug/kg	SW846 8081A	U	SE
SD08-12 (6-12)	Di-n-octyl phthalate	260	ug/kg	SW846 8270C	UJ	BC
SD08-12 (6-12)	2,4-Dinitrophenol	1300	ug/kg	SW846 8270C	UJ	BC
SD08-12 (6-12)	Fluorene	26	ug/kg	SW846 8270C	J	DL
SD08-12 (6-12)	Hexachlorocyclopentadiene	260	ug/kg	SW846 8270C	UJ	LC
SD08-12 (6-12)	4-Methylphenol	16	ug/kg	SW846 8270C	J	DL
SD08-12 (6-12)	Carbazole	45	ug/kg	SW846 8270C	J	DL
SD08-12 (6-12)	bis(2-Ethylhexyl) phthalate	95	ug/kg	SW846 8270C	J	DL
SD08-12 (6-12)	Benzaldehyde	260	ug/kg	SW846 8270C	UJ	BC
SD08-12 (6-12)	Butyl benzyl phthalate	230	ug/kg	SW846 8270C	J	DL

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-12 (6-12)	4-Chloroaniline	260	ug/kg	SW846 8270C	UJ	LC
SD08-12 (6-12)	3,3'-Dichlorobenzidine	260	ug/kg	SW846 8270C	UJ	BC
SD08-11 (0-6)	Antimony	3.7	mg/kg	SW846 6020	J	LM
SD08-11 (0-6)	Arsenic	2.1	mg/kg	SW846 6020	J	MI
SD08-11 (0-6)	Manganese	117	mg/kg	SW846 6020	J	LM
SD08-11 (0-6)	Selenium	0.32	mg/kg	SW846 6020	J	LM, DL
SD08-11 (0-6)	Endrin ketone	5.2	ug/kg	SW846 8081A	U	SE
SD08-11 (0-6)	Heptachlor epoxide	4.3	ug/kg	SW846 8081A	U	SE
SD08-11 (0-6)	delta-BHC	4.7	ug/kg	SW846 8081A	U	SE
SD08-11 (0-6)	gamma-Chlordane	4.7	ug/kg	SW846 8081A	U	SE
SD08-11 (0-6)	Aldrin	6.3	ug/kg	SW846 8081A	U	SE
SD08-11 (0-6)	Trichlorofluoromethane	16	ug/kg	SW846 8260B	UJ	LC
SD08-11 (0-6)	1,2-Dibromo-3-chloropropane	16	ug/kg	SW846 8260B	UJ	LC
SD08-11 (0-6)	Acenaphthene	14	ug/kg	SW846 8270C	J	DL
SD08-11 (0-6)	Di-n-octyl phthalate	270	ug/kg	SW846 8270C	UJ	BC
SD08-11 (0-6)	2,4-Dinitrophenol	1400	ug/kg	SW846 8270C	UJ	BC
SD08-11 (0-6)	Fluorene	20	ug/kg	SW846 8270C	J	DL
SD08-11 (0-6)	Hexachlorocyclopentadiene	270	ug/kg	SW846 8270C	UJ	LC
SD08-11 (0-6)	Carbazole	29	ug/kg	SW846 8270C	J	DL
SD08-11 (0-6)	bis(2-Ethylhexyl) phthalate	120	ug/kg	SW846 8270C	J	DL
SD08-11 (0-6)	Benzaldehyde	41	ug/kg	SW846 8270C	J	BC, DL
SD08-11 (0-6)	Caprolactam	100	ug/kg	SW846 8270C	J	DL
SD08-11 (0-6)	4-Chloroaniline	270	ug/kg	SW846 8270C	UJ	LC
SD08-11 (0-6)	Dibenz(a,h)anthracene	45	ug/kg	SW846 8270C	J	DL
SD08-11 (0-6)	3,3'-Dichlorobenzidine	270	ug/kg	SW846 8270C	UJ	BC
SD08-11 (6-9)	Antimony	1.7	mg/kg	SW846 6020	J	LM
SD08-11 (6-9)	Arsenic	3.2	mg/kg	SW846 6020	J	MI
SD08-11 (6-9)	Manganese	184	mg/kg	SW846 6020	J	LM
SD08-11 (6-9)	Selenium	0.27	mg/kg	SW846 6020	J	LM, DL
SD08-11 (6-9)	Dieldrin	9.9	ug/kg	SW846 8081A	U	SE
SD08-11 (6-9)	Endosulfan sulfate	7.2	ug/kg	SW846 8081A	U	SE
SD08-11 (6-9)	Endrin aldehyde	3.9	ug/kg	SW846 8081A	U	SE
SD08-11 (6-9)	Endrin ketone	8.8	ug/kg	SW846 8081A	U	SE
SD08-11 (6-9)	delta-BHC	3	ug/kg	SW846 8081A	U	SE

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140236

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-11 (6-9)	gamma-BHC (Lindane)	1.9	ug/kg	SW846 8081A	U	SE
SD08-11 (6-9)	gamma-Chlordane	18	ug/kg	SW846 8081A	U	SE
SD08-11 (6-9)	Aldrin	4.7	ug/kg	SW846 8081A	U	SE
SD08-11 (6-9)	Trichlorofluoromethane	12	ug/kg	SW846 8260B	UJ	LC
SD08-11 (6-9)	1,2-Dibromo-3-chloropropane	12	ug/kg	SW846 8260B	UJ	LC
SD08-11 (6-9)	Acenaphthene	21	ug/kg	SW846 8270C	J	DL
SD08-11 (6-9)	Di-n-octyl phthalate	200	ug/kg	SW846 8270C	UJ	BC
SD08-11 (6-9)	2,4-Dinitrophenol	1000	ug/kg	SW846 8270C	UJ	BC
SD08-11 (6-9)	Hexachlorocyclopentadiene	200	ug/kg	SW846 8270C	UJ	LC
SD08-11 (6-9)	2-Methylnaphthalene	15	ug/kg	SW846 8270C	J	DL
SD08-11 (6-9)	Naphthalene	18	ug/kg	SW846 8270C	J	DL
SD08-11 (6-9)	Carbazole	29	ug/kg	SW846 8270C	J	DL
SD08-11 (6-9)	bis(2-Ethylhexyl) phthalate	73	ug/kg	SW846 8270C	J	DL
SD08-11 (6-9)	Benzaldehyde	28	ug/kg	SW846 8270C	J	BC, DL
SD08-11 (6-9)	Caprolactam	70	ug/kg	SW846 8270C	J	DL
SD08-11 (6-9)	4-Chloroaniline	200	ug/kg	SW846 8270C	UJ	LC
SD08-11 (6-9)	Dibenz(a,h)anthracene	21	ug/kg	SW846 8270C	J	DL
SD08-11 (6-9)	Dibenzofuran	18	ug/kg	SW846 8270C	J	DL
SD08-11 (6-9)	3,3'-Dichlorobenzidine	200	ug/kg	SW846 8270C	UJ	BC
SD08-10 (0-6)	Antimony	1.5	mg/kg	SW846 6020	J	LM
SD08-10 (0-6)	Arsenic	2.5	mg/kg	SW846 6020	J	MI
SD08-10 (0-6)	Manganese	116	mg/kg	SW846 6020	J	LM
SD08-10 (0-6)	Selenium	0.56	mg/kg	SW846 6020	J	LM, DL
SD08-10 (0-6)	Nickel	1.1	umoles/gm	EPA SEM	J	DL, LM
SD08-10 (0-6)	Silver	0.045	umoles/gm	EPA SEM	J	DL, LM
SD08-10 (0-6)	Dieldrin	3.4	ug/kg	SW846 8081A	U	SE
SD08-10 (0-6)	Endosulfan sulfate	3.2	ug/kg	SW846 8081A	U	SE
SD08-10 (0-6)	Endrin ketone	8.2	ug/kg	SW846 8081A	U	SE
SD08-10 (0-6)	Heptachlor epoxide	4.1	ug/kg	SW846 8081A	U	SE
SD08-10 (0-6)	beta-BHC	12	ug/kg	SW846 8081A	U	SE
SD08-10 (0-6)	delta-BHC	4.9	ug/kg	SW846 8081A	J	DL
SD08-10 (0-6)	gamma-BHC (Lindane)	2	ug/kg	SW846 8081A	U	SE
SD08-10 (0-6)	gamma-Chlordane	15	ug/kg	SW846 8081A	U	SE
SD08-10 (0-6)	Aldrin	6.4	ug/kg	SW846 8081A	U	SE

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140236

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-10 (0-6)	Acetone	31	ug/kg	SW846 8260B	J	HC, DL
SD08-10 (0-6)	Methyl acetate	7.3	ug/kg	SW846 8260B	J	DL
SD08-10 (0-6)	Methylene chloride	14	ug/kg	SW846 8260B	U	MB, TB
SD08-10 (0-6)	Cyanide, Total	0.28	mg/kg	SW846 9012A	J	DL
SD08-10 (0-6)	Acenaphthene	16	ug/kg	SW846 8270C	J	DL
SD08-10 (0-6)	Di-n-octyl phthalate	230	ug/kg	SW846 8270C	UJ	BC
SD08-10 (0-6)	2,4-Dinitrophenol	1200	ug/kg	SW846 8270C	UJ	BC
SD08-10 (0-6)	Fluorene	33	ug/kg	SW846 8270C	J	DL
SD08-10 (0-6)	Hexachlorocyclopentadiene	230	ug/kg	SW846 8270C	UJ	LC
SD08-10 (0-6)	2-Methylnaphthalene	14	ug/kg	SW846 8270C	J	DL
SD08-10 (0-6)	4-Methylphenol	19	ug/kg	SW846 8270C	J	DL
SD08-10 (0-6)	Naphthalene	18	ug/kg	SW846 8270C	J	DL
SD08-10 (0-6)	Carbazole	30	ug/kg	SW846 8270C	J	DL
SD08-10 (0-6)	bis(2-Ethylhexyl) phthalate	160	ug/kg	SW846 8270C	J	DL
SD08-10 (0-6)	Benzaldehyde	48	ug/kg	SW846 8270C	J	BC, DL
SD08-10 (0-6)	Butyl benzyl phthalate	42	ug/kg	SW846 8270C	J	DL
SD08-10 (0-6)	Caprolactam	120	ug/kg	SW846 8270C	J	DL
SD08-10 (0-6)	4-Chloroaniline	230	ug/kg	SW846 8270C	UJ	LC
SD08-10 (0-6)	Dibenz(a,h)anthracene	30	ug/kg	SW846 8270C	J	DL
SD08-10 (0-6)	Dibenzofuran	17	ug/kg	SW846 8270C	J	DL
SD08-10 (0-6)	3,3'-Dichlorobenzidine	230	ug/kg	SW846 8270C	UJ	BC
SD08-10 (6-18)	Antimony	1.7	mg/kg	SW846 6020	J	LM
SD08-10 (6-18)	Arsenic	3.7	mg/kg	SW846 6020	J	MI
SD08-10 (6-18)	Manganese	154	mg/kg	SW846 6020	J	LM
SD08-10 (6-18)	Selenium	0.92	mg/kg	SW846 6020	J	LM
SD08-10 (6-18)	Dieldrin	79	ug/kg	SW846 8081A	U	SE
SD08-10 (6-18)	Endosulfan sulfate	65	ug/kg	SW846 8081A	U	SE
SD08-10 (6-18)	Endrin ketone	72	ug/kg	SW846 8081A	U	SE
SD08-10 (6-18)	Heptachlor	9.4	ug/kg	SW846 8081A	U	SE
SD08-10 (6-18)	Heptachlor epoxide	22	ug/kg	SW846 8081A	U	SE
SD08-10 (6-18)	alpha-BHC	1.7	ug/kg	SW846 8081A	U	SE
SD08-10 (6-18)	delta-BHC	14	ug/kg	SW846 8081A	U	SE
SD08-10 (6-18)	gamma-BHC (Lindane)	7.6	ug/kg	SW846 8081A	J	DL
SD08-10 (6-18)	gamma-Chlordane	160	ug/kg	SW846 8081A	U	SE

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140236

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-10 (6-18)	Methylene chloride	13	ug/kg	SW846 8260B	U	TB
SD08-10 (6-18)	Acenaphthene	32	ug/kg	SW846 8270C	J	DL
SD08-10 (6-18)	Di-n-octyl phthalate	210	ug/kg	SW846 8270C	UJ	BC
SD08-10 (6-18)	2,4-Dinitrophenol	1100	ug/kg	SW846 8270C	UJ	BC
SD08-10 (6-18)	Hexachlorocyclopentadiene	210	ug/kg	SW846 8270C	UJ	LC
SD08-10 (6-18)	4-Methylphenol	40	ug/kg	SW846 8270C	J	DL, HS
SD08-10 (6-18)	bis(2-Ethylhexyl) phthalate	160	ug/kg	SW846 8270C	J	DL
SD08-10 (6-18)	Benzaldehyde	85	ug/kg	SW846 8270C	J	BC, DL
SD08-10 (6-18)	1,1'-Biphenyl	18	ug/kg	SW846 8270C	J	DL
SD08-10 (6-18)	Butyl benzyl phthalate	92	ug/kg	SW846 8270C	J	DL
SD08-10 (6-18)	4-Chloroaniline	210	ug/kg	SW846 8270C	UJ	LC
SD08-10 (6-18)	Dibenzofuran	67	ug/kg	SW846 8270C	J	DL
SD08-10 (6-18)	Di-n-butyl phthalate	47	ug/kg	SW846 8270C	J	DL
SD08-10 (6-18)	3,3'-Dichlorobenzidine	210	ug/kg	SW846 8270C	UJ	BC
SD08-10 (18-23)	Antimony	1.2	mg/kg	SW846 6020	J	LM
SD08-10 (18-23)	Arsenic	2.7	mg/kg	SW846 6020	J	MI
SD08-10 (18-23)	Manganese	187	mg/kg	SW846 6020	J	LM
SD08-10 (18-23)	Selenium	0.72	mg/kg	SW846 6020	J	LM
SD08-10 (18-23)	Dieldrin	4.9	ug/kg	SW846 8081A	U	SE
SD08-10 (18-23)	Endosulfan sulfate	9.6	ug/kg	SW846 8081A	J	HS
SD08-10 (18-23)	Endrin ketone	35	ug/kg	SW846 8081A	U	SE
SD08-10 (18-23)	gamma-BHC (Lindane)	2.1	ug/kg	SW846 8081A	U	SE
SD08-10 (18-23)	gamma-Chlordane	17	ug/kg	SW846 8081A	U	SE
SD08-10 (18-23)	Aldrin	3	ug/kg	SW846 8081A	U	SE
SD08-10 (18-23)	4,4'-DDD	3.8	ug/kg	SW846 8081A	U	SE
SD08-10 (18-23)	Acetone	360	ug/kg	SW846 8260B	J	HC
SD08-10 (18-23)	Methylene chloride	11	ug/kg	SW846 8260B	U	MB, TB
SD08-10 (18-23)	Carbon disulfide	5.8	ug/kg	SW846 8260B	J	DL
SD08-10 (18-23)	Acenaphthene	13	ug/kg	SW846 8270C	J	DL
SD08-10 (18-23)	Di-n-octyl phthalate	180	ug/kg	SW846 8270C	UJ	BC
SD08-10 (18-23)	2,4-Dinitrophenol	920	ug/kg	SW846 8270C	UJ	BC
SD08-10 (18-23)	Hexachlorocyclopentadiene	180	ug/kg	SW846 8270C	UJ	LC
SD08-10 (18-23)	2-Methylnaphthalene	15	ug/kg	SW846 8270C	J	DL
SD08-10 (18-23)	4-Methylphenol	14	ug/kg	SW846 8270C	J	DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140236

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-10 (18-23)	Naphthalene	20	ug/kg	SW846 8270C	J	DL
SD08-10 (18-23)	bis(2-Ethylhexyl) phthalate	45	ug/kg	SW846 8270C	J	DL
SD08-10 (18-23)	Benzaldehyde	25	ug/kg	SW846 8270C	J	BC, DL
SD08-10 (18-23)	Butyl benzyl phthalate	25	ug/kg	SW846 8270C	J	DL
SD08-10 (18-23)	4-Chloroaniline	180	ug/kg	SW846 8270C	UJ	LC
SD08-10 (18-23)	Dibenzofuran	34	ug/kg	SW846 8270C	J	DL
SD08-10 (18-23)	3,3'-Dichlorobenzidine	180	ug/kg	SW846 8270C	UJ	BC
SD08-9 (0-6)	Antimony	0.28	mg/kg	SW846 6020	J	LM
SD08-9 (0-6)	Arsenic	4.8	mg/kg	SW846 6020	J	MI
SD08-9 (0-6)	Manganese	125	mg/kg	SW846 6020	J	LM
SD08-9 (0-6)	Selenium	0.79	mg/kg	SW846 6020	J	LM
SD08-9 (0-6)	Dieldrin	0.8	ug/kg	SW846 8081A	U	SE
SD08-9 (0-6)	Endrin ketone	0.75	ug/kg	SW846 8081A	U	SE
SD08-9 (0-6)	gamma-BHC (Lindane)	0.93	ug/kg	SW846 8081A	U	SE
SD08-9 (0-6)	gamma-Chlordane	0.75	ug/kg	SW846 8081A	U	SE
SD08-9 (0-6)	Aldrin	2	ug/kg	SW846 8081A	U	SE
SD08-9 (0-6)	4,4'-DDD	0.72	ug/kg	SW846 8081A	U	SE
SD08-9 (0-6)	Acetone	36	ug/kg	SW846 8260B	J	HC
SD08-9 (0-6)	Methyl acetate	5.6	ug/kg	SW846 8260B	J	DL
SD08-9 (0-6)	Methylene chloride	8.4	ug/kg	SW846 8260B	U	MB, TB
SD08-9 (0-6)	Cyanide, Total	0.17	mg/kg	SW846 9012A	J	DL
SD08-9 (0-6)	Di-n-octyl phthalate	150	ug/kg	SW846 8270C	UJ	BC
SD08-9 (0-6)	2,4-Dinitrophenol	780	ug/kg	SW846 8270C	UJ	BC
SD08-9 (0-6)	Anthracene	12	ug/kg	SW846 8270C	J	DL
SD08-9 (0-6)	Hexachlorocyclopentadiene	150	ug/kg	SW846 8270C	UJ	LC
SD08-9 (0-6)	Indeno(1,2,3-cd)pyrene	29	ug/kg	SW846 8270C	J	DL
SD08-9 (0-6)	2-Methylnaphthalene	24	ug/kg	SW846 8270C	J	DL
SD08-9 (0-6)	4-Methylphenol	15	ug/kg	SW846 8270C	J	DL
SD08-9 (0-6)	Naphthalene	24	ug/kg	SW846 8270C	J	DL
SD08-9 (0-6)	bis(2-Ethylhexyl) phthalate	20	ug/kg	SW846 8270C	J	DL
SD08-9 (0-6)	Benzaldehyde	28	ug/kg	SW846 8270C	J	BC, DL
SD08-9 (0-6)	Caprolactam	55	ug/kg	SW846 8270C	J	DL
SD08-9 (0-6)	4-Chloroaniline	150	ug/kg	SW846 8270C	UJ	LC
SD08-9 (0-6)	Dibenz(a,h)anthracene	12	ug/kg	SW846 8270C	J	DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140236

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-9 (0-6)	Dibenzofuran	12	ug/kg	SW846 8270C	J	DL
SD08-9 (0-6)	3,3'-Dichlorobenzidine	150	ug/kg	SW846 8270C	UJ	BC
SD08-9 (6-10)	Antimony	0.19	mg/kg	SW846 6020	J	LM
SD08-9 (6-10)	Arsenic	5.7	mg/kg	SW846 6020	J	MI
SD08-9 (6-10)	Manganese	175	mg/kg	SW846 6020	J	LM
SD08-9 (6-10)	Selenium	1	mg/kg	SW846 6020	J	LM
SD08-9 (6-10)	Dieldrin	0.56	ug/kg	SW846 8081A	U	SE
SD08-9 (6-10)	Endrin aldehyde	0.7	ug/kg	SW846 8081A	U	SE
SD08-9 (6-10)	gamma-BHC (Lindane)	0.55	ug/kg	SW846 8081A	U	SE
SD08-9 (6-10)	Aldrin	0.7	ug/kg	SW846 8081A	J	DL
SD08-9 (6-10)	Acetone	18	ug/kg	SW846 8260B	J	DL
SD08-9 (6-10)	Di-n-octyl phthalate	150	ug/kg	SW846 8270C	UJ	BC
SD08-9 (6-10)	2,4-Dinitrophenol	790	ug/kg	SW846 8270C	UJ	BC
SD08-9 (6-10)	Hexachlorocyclopentadiene	150	ug/kg	SW846 8270C	UJ	LC
SD08-9 (6-10)	Indeno(1,2,3-cd)pyrene	9.4	ug/kg	SW846 8270C	J	DL
SD08-9 (6-10)	Benzo(a)anthracene	14	ug/kg	SW846 8270C	J	DL
SD08-9 (6-10)	Benzo(b)fluoranthene	25	ug/kg	SW846 8270C	J	DL
SD08-9 (6-10)	Benzo(ghi)perylene	12	ug/kg	SW846 8270C	J	DL
SD08-9 (6-10)	Phenanthrene	27	ug/kg	SW846 8270C	J	DL
SD08-9 (6-10)	Pyrene	17	ug/kg	SW846 8270C	J	DL
SD08-9 (6-10)	bis(2-Ethylhexyl) phthalate	25	ug/kg	SW846 8270C	J	DL
SD08-9 (6-10)	Benzaldehyde	18	ug/kg	SW846 8270C	J	BC, DL
SD08-9 (6-10)	4-Chloroaniline	150	ug/kg	SW846 8270C	UJ	LC
SD08-9 (6-10)	Chrysene	27	ug/kg	SW846 8270C	J	DL
SD08-9 (6-10)	3,3'-Dichlorobenzidine	150	ug/kg	SW846 8270C	UJ	BC
TB-3	Methylene chloride	0.36	ug/L	SW846 8260B	J	DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E140236

Reason Codes

BC - High initial calibration percent relative standard deviation
CB - Contaminated blank
DL - Value was between method detection limit and reporting limit
HC - High continuing calibration verification result
HM - High matrix spike recovery
HS - High surrogate recovery
LC - Low continuing calibration verification result
LM - Low matrix spike recovery
MB - Method blank contamination
MI - High serial dilution percent difference
PM - High percent moisture
SE - Large differences between the primary and secondary column results.
TB - Trip blank contamination

Validation Codes:

U -The U qualifier indicates that an analyte is considered nondetected at the concentration listed. U qualifiers added during validation are typically a result of detection of target analytes in blanks.

J - The J qualifier indicates that the associated result is quantitatively uncertain. J qualifiers added during validation may indicate a concentration between the method detection limit (MDL) and the reporting limit (RL), or a data limitation related to a QC element that exceeds required acceptance limits.

UJ - The UJ qualifier indicates the RL is estimated. UJ qualifiers added during validation may indicate either a high or low bias related to a QC element that exceeds required acceptance limits.

DATA QUALITY REVIEW AND VALIDATION REPORT

Koppers Pond
Kentucky Avenue Wellfield Site
Operable Unit 4
Horseheads, New York

Organic and Inorganic Analyses Data
Samples Collected May 13, and 14, 2008

Prepared for:

Koppers Pond PRP Group

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773580000

August 2008

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ACRONYMS & ABBREVIATIONS

°C	degrees Celsius
%D	percent deviation or percent drift in relative response
%RSD	percent relative standard deviation
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
µg/L	micrograms per liter
AMEC	AMEC Earth & Environmental, Inc.
CCV	continuing calibration verification
CLP	USEPA Contract Laboratory Program
COC	chain of custody
CRI	CRQL check standard
CRQL	contract-required quantitation limit
DQO	data quality objective
EDD	electronic data deliverable
EPA	United States Environmental Protection Agency
GC/ECD	gas chromatography/electron capture detector
GC/MS	gas chromatography/mass spectrometry
HRMS	high resolution mass spectrometry
ICP	inductively coupled plasma
ICS	interference check sample
ICV	initial calibration verification
ID	sample identification
IS	internal standard
LCS	laboratory control sample
MDL	method detection limit
MS	matrix spike

MSD	matrix spike duplicate
MS/MS	tandem mass spectrometry
OSWER	EPA Office of Solid Waste and Emergency Response
PAH	polynuclear aromatic hydrocarbons
QAPP	Quality Assurance Project Plan
QC	quality control
PCB	polychlorinated biphenyl
RL	reporting limit
RRF	relative response factor
SDG	sample delivery group
SEM	simultaneously extracted metals
SM	Standard Methods
SOP	standard operating procedure
SVOCs	semivolatile organic compounds
TA	Test America
TAL	Target Analyte List
TCMX	tetrachloro-meta-xylene
TOC	total organic carbon
TSS	total suspended solids
VOCs	volatile organic compounds

1.0 INTRODUCTION

This data quality review and validation report covers 29 sediment samples, one trip blank, and one equipment blank from the Koppers Pond site located in Horseheads, New York. The samples were collected on May 13 and 14, 2008 and submitted to Test America (TA) in Pittsburgh, Pennsylvania on May 15, 2008. The samples were assigned sample delivery group (SDG) C8E150368. The following analyses were performed on these samples:

- Target Analyte List (TAL) metals by Environmental Protection Agency (EPA) SW-846 Methods 6020/7470A/7471A;
- Total cyanide by EPA SW-846 Method 9012A;
- Total hardness as $CaCO_3$ by Standard Methods (SM) 2340-C;
- Acid Volatile Sulfide by EPA SW-846 Method 9034;
- Simultaneously Extractable Metals by SW-846 Method 6010B;
- Semivolatile organic compounds (SVOCs) by EPA SW-846 Method 8270C;
- Volatile organic compounds (VOCs) by EPA SW-846 Method 8260B;
- Pesticides by EPA SW-846 Method 8081A;
- Polychlorinated biphenyls (PCBs) as Aroclors by EPA SW-846 Method 8082;
- Total organic carbon (TOC) by SM 5310B or EPA Lloyd Kahn.

A list of these samples by field sample identification (ID) and TA sample ID is presented in Table 1.

2.0 DATA QUALITY REVIEW AND DATA VALIDATION METHODOLOGY

AMEC Earth & Environmental, Inc. (AMEC) performed this data quality review and validation with reference to the EPA Office of Solid Waste and Emergency Response (OSWER) National Functional Guidelines for Inorganic Data Review (October 2004), National Functional Guidelines for Organic Data Review (October 1999), including Region II modifications, if any, and associated method quality control requirements.

These EPA guidelines were written specifically for the Contract Laboratory Program (CLP), and have been modified for the purposes of this data quality review and validation where they differ from method and Quality Assurance Project Plan (QAPP) quality control (QC) requirements.

AMEC's data validation methodology complied with the validation procedures specified in the Koppers Pond QAPP, dated April 2008. The laboratory's raw analytical data packages were reviewed to assess the criteria outlined in the QAPP:

- Data completeness;
- Holding times;
- Calibration;
- Blanks;
- Inductively coupled plasma (ICP) check sample;
- Matrix spike/matrix spike duplicate samples (MS/MSD);
- Laboratory duplicate samples:
- Field Duplicates;
- Laboratory control samples (LCS);
- ICP serial dilution;
- Detection limits;
- Sample dilutions;
- Gas chromatography/mass spectrometry (GC/MS) tuning;
- Instrument performance;
- Surrogate recoveries;
- Internal standards (IS); and
- Compound identification.

In general, it is important to recognize that no analytical data are guaranteed to be correct, even if all QC audits are passed. Strict QC serves to increase confidence in data, but any reported value may potentially contain error.

In accordance with the specifications of the QAPP, the data validation process comprised 20% full validation of the raw analytical data and 80% data quality review for all methods, based on information provided by the laboratory as summary reporting forms. Data that underwent data quality review and data validation are indicated on Table 1.

3.0 EXECUTIVE SUMMARY

The data are generally usable and of good quality.

A number of detected metal, VOC, SVOC, and cyanide results were U qualified as nondetected because of contamination in the associated laboratory, equipment, and/or trip blanks.

A number of detected pesticide results were U qualified as nondetected because of probable matrix interference from polynuclear aromatic hydrocarbons (PAHs) and/or Aroclors as demonstrated by the very high percent differences between dual column results. If greater certainty regarding possible presence of low concentrations of pesticides is required to achieve project data quality objectives (DQOs), AMEC recommends consideration of either high resolution mass spectrometry (HRMS) or tandem mass spectrometry (MS/MS) as the determinative technique for future pesticide analyses.

No data were rejected and 100% of the data should be considered valid, which meets the 90% data quality objective.

4.0 SPECIFIC DATA VALIDATION FINDINGS FOR EACH ANALYTICAL METHOD

Sections 4.1 to 4.9 of this Data Validation Report contain narrative descriptions of data validation findings and data quality limitations. Definitions of data qualifiers added during validation and summaries of specific qualifiers added to each affected sample as a result of the data validation findings are presented in Table 2. Field duplicate results are presented in Table 3.

4.1 Data Deliverables

The submitted data packages contained all documentation elements required for full validation.

4.2 Chain of Custody and Sample Receipt Condition Documentation

All samples were received at TA in good condition and at less than the EPA-recommended temperature of 6 degrees Celsius (°C). There were no anomalies associated with sample receipt condition or chain of custody (COC) documentation.

4.3 Volatile Organic Compounds by EPA SW-846 Method 8260B

VOC results generated by TA for samples covered in this report are considered usable with the limitations described in Sections 4.3.1 through 4.3.9.

4.3.1 Holding Times

Samples SD08-2(6-18), SD08-2(18-30), SD-DUP2, SD08-1(18-30), SD08-1(30-35), TB-1, and SED08-EB were analyzed one day beyond the QAPP-specified 10 day holding time for preserved aqueous samples and soils. Specific limitations include the following:

- Samples TB-1 and SED08-EB were analyzed within the Region II guidelines 14 day holding time for preserved samples; therefore, data usability is not adversely affected.
- AMEC J qualified (unless U qualified due to blank contamination) the detected results and UJ qualified the nondetected results from the following samples because of possible low bias due to the exceeded holding times: SD08-2(6-18), SD08-2(18-30), SD-DUP2, SD08-1(18-30), and SD08-1(30-35).

4.3.2 Initial Calibration

The method-specified minimum relative response factor (RRF) and percent relative standard deviation (%RSD) criteria were met for the initial calibrations associated with the VOC sample analysis.

4.3.3 Continuing Calibration

The Region II-specified minimum RRF and percent deviation or percent drift (%D) criteria were met for the continuing calibrations associated with the VOC sample analysis, except as described below:

- The chloroethane %D of 51.1% (bias high) was greater than the 20% Region II-specified acceptance limit in the continuing calibration verification (CCV) analyzed on May 21, 2008 at 05:02 on instrument HP3. Chloroethane was not detected in the associated samples; therefore, data usability is not adversely affected by the potential high bias.
- The trichlorofluoromethane (26.6%, bias low) and 1,2-dibromo-3-chloropropane (23.4%, bias low) %Ds were greater than the 20% Region II-specified acceptance limit in the CCV analyzed on May 22, 2008 at 06:54 on instrument HP3. AMEC UJ qualified the nondetected trichlorofluoromethane and 1,2-dibromo-3-chloropropane results from the following samples because of possible low bias: SD08-5(0-6), SD08-5(6-13), SD-DUP1, SD08-7(0-6), SD08-7(18-22), SD08-6(0-6), SD08-6(6-9), SD08-4(0-6), SD08-4(6-18), SD08-4(18-20), SD08-3(0-6), SD08-3(6-18), SD08-30(0-6), and SD08-2(0-6).
- Trichlorofluoromethane (31.4%, bias low), 2-butanone (27.4%, bias low), 4-methyl-2-pentanone (24.1%, bias low), bromoform (23.9%, bias low), and 1,2-dibromo-3-chloropropane (38.6%, bias low) %Ds were greater than the 20% Region II-specified acceptance limit in the CCV analyzed on May 23, 2008 at 07:34 on instrument HP3. AMEC UJ qualified the nondetected results for these analytes from the following samples because of possible low bias: SD08-3(18-25), SD08-3(25-29), SD08-2(30-38), SD08-40(0-6), SD08-1(0-6), and SD08-1(16-18).
- The trichlorofluoromethane %D of 36.8%, bias high, was greater than the 20% Region II-specified acceptance limit in the CCV analyzed on May 25, 2008 at 08:54 on instrument HP6. This analyte was not detected in the associated samples; therefore, data usability is not adversely affected by the potential high bias.
- Dichlorodifluoromethane (21.2%, bias low), trichlorofluoromethane (32.5%, bias low), 4-methyl-2-pentanone (24.9%, bias low), 2-hexanone (29.5%, bias low), and 1,2-dibromo-3-chloropropane (31.2%, bias low) %Ds were greater than the 20% Region II-specified acceptance limit in the CCV analyzed on May 25, 2008 at 09:24 on instrument HP3. AMEC UJ qualified the nondetected results for these analytes from the following samples because of possible low bias: SD08-2(6-18), SD08-2(18-30), SD-DUP2, SD08-1(18-30), and SD08-1(30-35).

4.3.4 Blanks

VOCs were not detected in the laboratory blanks or equipment blank associated with the VOC sample analysis.

Acetone [3.2 micrograms per liter (µg/L)] and methylene chloride (0.34 µg/L) were detected in the trip blank TB-1. Specific limitations include the following:

- AMEC U qualified the detected acetone results from the following samples because the sample concentrations were less than 10 times the associated trip blank concentration, indicating possible contamination: SD08-8 (6-18), SD08-8 (18-20), SD08-7 (6-18), SD08-7 (18-22), SD08-6 (6-9), SD08-4 (6-18), SD08-4 (18-20), SD08-3 (18-25), SD08-3 (25-29), SD08-2 (6-18), SD08-2 (30-38), and SD08-1 (16-18).
- AMEC U qualified the detected methylene chloride results from the following samples because the sample concentrations were less than 10 times the associated trip blank concentration, indicating possible contamination: SD08-8 (0-6), SD08-8 (6-18), SD08-7 (0-6), SD08-7 (18-22), SD08-4 (0-6), SD08-3 (18-25), SD08-3 (25-29), SD08-2 (18-30), SD08-2 (30-38), SD08-40 (0-6), SD08-1 (0-6), SD08-1 (16-18), SD08-1 (18-30), and SD08-1 (30-35).

4.3.5 Surrogate Recoveries

All surrogate recoveries were within the laboratory-specified limits for VOC sample analysis.

4.3.6 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for VOC sample analysis.

4.3.7 Matrix Spike/Matrix Spike Duplicate Recovery

MS/MSD recoveries were within the laboratory-specified limits for VOC sample analysis.

4.3.8 Internal Standard Recoveries

IS recoveries were all within the method-specified 50% to 200% acceptance limits for the VOC sample analysis.

4.3.9 Data Reporting and Analytical Procedures

The laboratory J qualified detected results with concentrations between method detection limit (MDL) and the reporting limit (RL). AMEC concurs that these results are quantitative estimates and J qualified these results unless the results were previously U qualified because of blank contamination.

4.4 Semivolatile Organic Compounds by EPA SW-846 Method 8270C

SVOC results generated by TA for the samples covered in this report are considered usable with the limitations described in Sections 4.4.1 through 4.4.9.

4.4.1 Holding Times

All samples were extracted and analyzed within the QAPP-specified maximum holding time of 7 days for aqueous extraction, 14 days for solid extraction, and 40 days for analysis.

4.4.2 Initial Calibration

The Region II-specified minimum RRF and %RSD criteria not met for the initial calibrations associated with the SVOC sample analysis are described below.

The benzaldehyde %RSD of 38.7% was greater than the Region II-specified 15% RSD acceptance limit in the initial calibration analyzed on May 2, 2008 on instrument 71. AMEC J qualified the detected benzaldehyde results and UJ qualified the nondetected benzaldehyde results from all samples because of possible bias in the analytical results.

4.4.3 Continuing Calibration

The Region II-specified minimum RRF and %D criteria were met for the continuing calibrations associated with the SVOC sample analysis, except as described below.

- The benzaldehyde (43.7%, bias high) and, hexachlorocyclopentadiene (20.9%, bias low) %Ds were outside the Region II-specified ±20% acceptance limit in the CCV analyzed on May 22, 2008 on instrument 71. Specific limitations include the following:
    - AMEC UJ qualified the nondetected hexachlorocyclopentadiene result from sample SED08-EB because of possible low bias.

  - Benzaldehyde was not detected in the associated sample; therefore, data usability is not adversely affected by the potential high bias.

- The benzaldehyde (43.8%, bias high), 4-nitrophenol (24.4%, bias low), diethylphthalate (20.7%, bias low), and atrazine (21.3%, bias low) %Ds were outside the Region II-specified ±20% acceptance limit in the CCV analyzed on May 23, 2008 on instrument 71. Specific limitations include the following:
  - AMEC J qualified the detected 4-nitrophenol, diethylphthalate, and atrazine results and UJ qualified the nondetected results for these analytes from the following samples because of possible low bias: SD08-6 (0-6), SD08-8 (6-18), SD08-8 (18-20), SD08-5 (0-6), SD08-5 (6-13), SD-DUP1, SD08-7 (6-18), SD08-7 (18-22), SD08-6 (0-6), SD08-6 (6-9), and SD08-3 (0-6).
  - AMEC J qualified the detected benzaldehyde results from samples SD08-7 (18-22) and SD08-6 (6-9) because of possible high bias.
- The benzaldehyde (39.1%, bias high), hexachlorocyclopentadiene (30.5%, bias low), and atrazine (25.1%, bias low) %Ds were outside the Region II-specified ±20% acceptance limit in the CCV analyzed on May 28, 2008 on instrument 71. Specific limitations include the following:
  - AMEC UJ qualified the nondetected hexachlorocyclopentadiene and atrazine results from the following samples because of possible low bias: SD08-7 (0-6), SD08-4 (0-6), SD08-4 (6-18), SD08-4 (18-20), SD08-3 (6-18), SD08-3 (18-25), and SD08-3 (25-29)
  - Benzaldehyde was not detected in the associated samples; therefore, data usability is not adversely affected by the potential high bias.
- The benzaldehyde (41.2%, bias high) and hexachlorocyclopentadiene (36.5%, bias low) %Ds were outside the Region II-specified ±20% acceptance limit in the CCV analyzed on May 29, 2008 on instrument 71. Specific limitations include the following:
  - AMEC UJ qualified the nondetected hexachlorocyclopentadiene results from the following samples because of possible low bias: SD08-30 (0-6), SD08-2 (0-6), SD08-2 (6-18), SD08-2 (18-30), SD08-2 (30-38), SD-DUP2, SD08-40 (0-6), SD08-1 (0-6), SD08-1 (16-18), SD08-1 (18-30), and SD08-1 (30-35).
  - AMEC J qualified the detected benzaldehyde result from sample SD08-2 (30-38) because of possible high bias.

4.4.4 Laboratory and Field Blanks

Qualification of results from SVOCs detected in the laboratory and/or field blanks are described in the following table.

Blank ID	Detected Analytes	Analyte Concentration	Sample Results U Qualified as Nondetected because of Associated Blank Results
Method Blank C8E210000-011	Di-n-butylphthalate	8.1 µg/kg	SD08-2 (30-38)
SED08-EB	Dibenzofuran	0.15 µg/L	SD08-8 (0-6) SD08-7 (6-18) SD08-6 (6-9) SD08-3 (0-6) SD08-4 (0-6) SD08-4 (6-18) SD08-4 (18-20) SD08-3 (6-18) SD08-3 (18-25) SD08-2 (0-6) SD08-2 (6-18) SD08-2 (30-38) SD08-40 (0-6) SD08-1 (0-6) SD08-1 (16-18) SD08-1 (18-30)

4.4.5 Surrogate Recoveries

Surrogate recoveries not within the laboratory-specified limits for the SVOC sample analysis are described below.

The majority of samples were analyzed at 5 to 10-fold dilutions. Surrogate recoveries in these samples were either low or not recovered. Data usability could not be fully evaluated due to the sample dilutions. Qualification of data was not required due to surrogate recoveries.

4.4.6 Matrix Spike/Matrix Spike Duplicate Recovery

MS/MSD recoveries not within the laboratory-specified limits for the SVOC sample analysis are described below.

- Analytes were not recovered in the MS/MSD analysis of sample SD08-7 (6-18) because the laboratory analyzed these samples at 10-fold dilutions. Data usability could not be fully evaluated because of the diluted results.

- The laboratory performed MS/MSD analysis on sample SD08-40 (0-6). The phenol (39%) and naphthalene (39%) recoveries were less than the laboratory-specified acceptance limits. In addition, the RPD of 21% between the 4-bromophenyl phenyl ether results was greater than the 20% acceptance limit. Specific limitations include the following:
    - AMEC UJ qualified the nondetected phenol and naphthalene results from sample SD08-40 (0-6) because of possible low bias due to potential matrix interference.
    - 4-Bromophenyl phenyl was not detected in the associated sample; therefore, data usability is not adversely affected by the potential imprecision.

4.4.7 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for the SVOC sample analysis.

4.4.8 Internal Standard Recoveries

IS recoveries outside the method-specified 50% to 200% acceptance limits for the SVOC sample analysis are described below.

The acenapthene-d_{10} recovery was low (<50%) in the analysis of sample SD08-1 (0-6). AMEC J qualified (unless U qualified due to blank contamination) the detected dibenzofuran and fluorene results and UJ qualified the nondetected hexachlorocyclopentadiene; 2,4,6-trichlorophenol; 2,4,5-trichlorphenol; 1,1'-biphenyl; 2-chloronaphthalene; 2-nitroaniline; dimethylphthalate; 2,6-dinitrotoluene; acenaphthylene; 3-nitroaniline; acenaphthene; 2,4-dinitrophenol; 2-nitrophenol; 2,4-dinitrotoluene; diethylphthalate; 4-chlorophenyl phenyl ether; and 4-nitroaniline results from this sample because of possible low bias.

4.4.9 Analytical Procedures and Reporting

The laboratory J qualified detected results with concentrations between the MDL and RL. AMEC concurs that these results are quantitative estimates and J qualified these results unless they were U qualified due to blank contamination.

4.5 Pesticides by EPA SW-846 Method 8081A

Pesticide results generated by TA for the samples covered in this report are considered usable with the limitations described in Sections 4.5.1 through 4.5.8.

4.5.1 Holding Times

All samples were extracted and analyzed within the QAPP-specified maximum holding time of 7 days for aqueous extraction, 14 days for solid extraction, and 40 days for analysis.

4.5.2 Initial Calibration

The method-specified %RSD and retention time criteria were met for the initial calibrations associated with the pesticide sample analysis.

4.5.3 Continuing Calibration

The method-specified %D and retention time criteria not met for the continuing calibrations associated with the pesticide sample analysis are described below.

The 4,4'-DDD %Ds were greater than the 20% method-specified acceptance limit on both the primary (20.6%, bias high) and secondary (21.8%, bias high) columns in the CCV analyzed on June 2, 2008 at 22:54. 4,4'-DDD was not detected in the associated samples; therefore, data usability is not adversely affected by the potential high bias.

4.5.4 Blanks

No target analytes were detected in the laboratory blanks associated with the pesticide analysis.

4.5.5 Surrogate Recoveries

Surrogate recoveries associated with the pesticide sample analysis outside laboratory-specified acceptance limits are described below.

Surrogates were not recovered in the majority of samples. The laboratory analyzed these samples at 20-fold to 50-fold dilutions due to matrix interferences; therefore, data usability could not be fully evaluated. Qualification of data was not required.

4.5.6 Matrix Spike/Matrix Spike Duplicate Recovery

MS/MSD recoveries not within the laboratory-specified limits for the pesticide sample analysis are described below.

The laboratory performed MS/MSD analyses on samples SD08-7 (6-18) and SD08-40 (0-6). The MS/MSDs were analyzed at 50-fold and 10-fold dilutions, respectively;

therefore, data usability could not be fully evaluated. Qualification of data was not required.

4.5.7 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for the pesticide sample analysis.

4.5.8 Data Reporting and Analytical Procedures

The laboratory analyzed the majority of samples at 5-fold to 50-fold dilutions. According to the Case Narrative, these samples were diluted due to matrix interference.

There was greater than 25% difference between the pesticide concentrations from the primary and secondary analytical columns for the samples listed in the following table. Analysis of pesticides using conventional gas chromatography/electron capture detector (GC/ECD) techniques can result in an extremely high rate of false positive detections, as referenced in literature including a memo titled *EPA Region 10 Clarification of SW-846 Method 8081 and Supplemental Guidance for Data Review* (EPA, 2006). In AMEC's professional judgment, based on the very large percent differences between primary and secondary column results, the reported insecticide results are likely false positives that result from interferences from the PCBs and/or PAHs detected in these samples. In addition, Region II validation guidelines (SOP HW-44) allow "U" qualification based on the presence of interferences and large differences between dual-column results.

AMEC U qualified the detected pesticide concentrations as listed in the table below based on professional judgment of the chemists performing the review. If greater certainty regarding possible presence of low concentrations of pesticides is required to achieve project DQOs, AMEC recommends consideration of either HRMS or MS/MS as the determinative technique for future pesticide analyses.

Sample ID	Analyte	%D	Qualification
SD08-8 (6-18)	Endrin Ketone	758	U
	alpha-Chlordane	1000	U
	gamma-Chlordane	125	U
SD-DUP1	gamma-Chlordane	537	U
SD08-7 (6-18)	alpha-Chlordane	26.5	U
	gamma-Chlordane	142	U
SD08-7 (18-22)	gamma-BHC (Lindane)	1000	U
	Dieldrin	29.9	U
	alpha-Chlordane	1000	U

Sample ID	Analyte	%D	Qualification
SD08-6 (0-6)	Endrin Ketone	387	U
SD08-6 (6-9)	Endosulfan II	85	U
SD08-4 (0-6)	gamma-Chlordane	208	U
SD08-4 (6-18)	Dieldrin	1000	U
	Endosulfan sulfate	283	U
	Endrin Ketone	104	U
	alpha-Chlordane	33.5	U
	gamma-Chlordane	138	U
SD08-4 (18-20)	gamma-Chlordane	135	U
SD08-3 (0-6)	gamma-Chlordane	118	U
SD08-3 (6-18)	Endosulfan sulfate	72.4	U
	Endrin Ketone	111	U
	gamma-Chlordane	91.2	U
SD08-3 (18-25)	Heptachlor	84.5	U
	Dieldrin	472	U
	Endosulfan sulfate	249	U
	Endrin ketone	206	U
	alpha-Chlordane	47.8	U
	gamma-Chlordane	110	U
SD08-3 (25-29)	delta-BHC	270	U
	Heptachlor epoxide	1000	U
	Dieldrin	549	U
	Endosulfan sulfate	264	U
	Endrin ketone	211	U
	gamma-Chlordane	72.2	U
SD08-30 (0-6)	Heptachlor	478	U
	Aldrin	47	U
	Endosulfan I	363	U
	4,4'-DDD	184	U
	Methoxychlor	33.8	U
	Endrin Ketone	206	U
SD08-2 (0-6)	gamma-Chlordane	293	U
SD08-2 (6-18)	Endosulfan sulfate	110	U
	Endrin ketone	132	U
	gamma-Chlordane	160	U
SD08-2 (18-30)	gamma-BHC (Lindane)	28.2	U
	Heptachlor	71.4	U
	Dieldrin	286	U
	Endrin ketone	85.5	U
	gamma-Chlordane	222	U
SD08-2 (30-38)	delta-BHC	834	U
	gamma-BHC (Lindane)	141	U
	Dieldrin	625	U
	Endrin ketone	172	U
	gamma-Chlordane	105	U
SD-DUP2	Dieldrin	647	U
	Endrin Ketone	178	U
	gamma-Chlordane	209	U
SD08-1 (0-6)	gamma-Chlordane	274	U
SD08-1 (16-18)	Endrin ketone	176	U
	gamma-Chlordane	219	U

Sample ID	Analyte	%D	Qualification
SD08-1 (18-30)	Endosulfan sulfate	147	U
	Endrin ketone	152	U
	alpha-Chlordane	35.7	U
	gamma-Chlordane	95.5	U
SD08-1 (30-35)	gamma-Chlordane	108	U

The laboratory J qualified detected results with concentrations between the MDL and RL. AMEC concurs that these results are quantitative estimates and J qualified these results unless they were U qualified due to interferences.

4.6 Polychlorinated Biphenyls as Aroclors by EPA SW-846 Method 8082

PCB results generated by TA for the samples covered in this report are considered usable with the limitations described in Sections 4.6.1 through 4.6.7.

4.6.1 Holding Times

All samples were extracted and analyzed within the QAPP-specified maximum holding time of 7 days for aqueous extraction, 14 days for solid extraction, and 40 days for PCB analysis.

4.6.2 Initial Calibration

The method-specified %RSD and retention time criteria were met for the initial calibrations associated with the PCB sample analysis.

4.6.3 Continuing Calibration

The method-specified %D and retention time criteria were met for the continuing calibrations associated with the PCB sample analysis.

4.6.4 Blanks

No target analytes were detected in the laboratory or equipment blanks associated with the PCB sample analysis.

4.6.5 Surrogate Recoveries

Surrogate recoveries associated with the PCB sample analysis outside the laboratory-specified acceptance limits are described below.

- Decachlorobiphenyl recoveries were greater than the laboratory-specified acceptance limits in samples SD08-3 (6-18) (151%), SD08-3 (18-25) (147%), and SD08-1 (18-30) (152%). These samples were analyzed at 5-fold dilutions; therefore, data usability could not be fully evaluated. Qualification of data was not required.
- Tetrachloro-m-xylene recoveries were greater than the laboratory-specified limits in samples SD08-5 (0-6) (129%), SD08-5 (6-13) (128%), SD-DUP1 (131%), and SD08-4 (18-20 (133%). AMEC J qualified the detected Aroclor 1254 results from these samples because of possible high bias.

4.6.6 Matrix Spike/Matrix Spike Duplicate Recovery

MS/MSD recoveries were within the laboratory-specified limits for the PCB sample analysis.

4.6.7 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for the PCB sample analysis.

4.7 Target Analyte List Metals by EPA SW-846 Methods 6020/7470A/7471A

Samples covered in this report underwent total metals analysis by EPA SW-846 Methods 6020/7470A/7471A at TA. The results are usable with the limitations and exceptions described in Sections 4.7.1 through 4.7.10.

4.7.1 Holding Times

All samples were analyzed for metals within the QAPP-specified technical holding time of 180 days and for mercury within the QAPP-specified technical holding time of 26 days.

4.7.2 Initial Calibration

The initial calibrations associated with the analysis of these samples met the method-specified acceptance criteria.

4.7.3 Initial and Continuing Calibration Verification

All initial calibration verifications (ICVs) and CCVs associated with the analysis of these samples met the method-specified acceptance criteria.

4.7.4 Contract-required Quantitation Limit Check Standard

All contract-required quantitation limit (CRQL) check standards (CRIs) associated with the analysis of these samples met the method-specified acceptance criteria.

4.7.5 Blanks

Initial and Continuing Calibration Blanks

Target analytes detected at concentrations greater than the MDL in calibration blanks associated with U qualified results are described in the following table.

Blank ID	Detected Analytes	Analyte Concentration	Sample Results U Qualified as Nondetected because of Associated Calibration Blank Results
ICB 6/03/08 ICPMS	Antimony	0.08 µg/L	SD08-7 (18-22) SD08-6 (6-9)
CCB2 6/03/08 ICPMS	Antimony	0.16 µg/L	SD08-7 (18-22) SD08-6 (6-9)
CCB3 6/03/08 ICPMS	Antimony	0.17 µg/L	SD08-7 (18-22) SD08-6 (6-9)

Preparation Blanks

Target analytes detected at concentrations greater than the MDL in preparation blanks associated with the metals sample analysis are described in the following table.

Blank ID	Detected Analytes	Analyte Concentration	Sample Results U Qualified as Nondetected because of Associated Preparation Blank Results
C8E300000-132	Chromium	0.032 milligrams per kilogram (mg/kg)	None
	Iron	0.77 mg/kg	None
	Sodium	0.84 mg/kg	None
	Lead	0.0036 mg/kg	None
	Antimony	0.011 mg/kg	SD08-7 (18-22) SD08-6 (6-9)
	Zinc	0.044 mg/kg	None

Blank ID	Detected Analytes	Analyte Concentration	Sample Results U Qualified as Nondetected because of Associated Preparation Blank Results
C8E300000-135	Chromium	0.043mg/kg	None
	Copper	0.011 mg/kg	None
	Lead	0.021 mg/kg	None
	Vanadium	0.016 mg/kg	None
	Zinc	0.19 mg/kg	None
C8F020000-136	Chromium	0.88 mg/kg	None
	Copper	0.014 mg/kg	None
	Iron	1.7 mg/kg	None
	Lead	0.033 mg/kg	None
	Antimony	0.0082 mg/kg	None
	Vanadium	0.073 mg/kg	None
	Zinc	0.22 mg/kg	None

Equipment Blank

Target analytes detected at concentrations greater than the MDL in the equipment blank associated with the metals sample analysis are described in the following table.

Blank ID	Detected Analytes	Analyte Concentration	Sample Results U Qualified as Nondetected because of Associated Equipment Blank Results
SED08-EB	Arsenic	0.35 µg/L	None
	Chromium	3.3 µg/L	None
	Sodium	11.5 µg/L	None
	Lead	0.035 µg/L	None
	Selenium	0.31 µg/L	None
	Antimony	0.086 µg/L	SD08-7 (18-22) SD08-6 (6-9)
	Vanadium	0.82 µg/L	None
	Zinc	2.1 µg/L	None

4.7.6 Inductively Coupled Plasma Interference Check Sample

All interference check samples (ICSs) exhibited recoveries within the 80% to 120% method-specified acceptance limits.

4.7.7 Laboratory Control Sample Recovery

Recoveries were within the method-specified acceptance limits in all LCS samples associated with the metals sample analysis.

4.7.8 Matrix Spike/Matrix Spike Duplicate Recovery

MS/MSD recoveries outside the laboratory-specified limits for the metals sample analysis are described below.

- MS/MSD analysis was performed on sample SD08-7 (6-18). Calcium (33%/41%), copper (36%/34%), nickel (71%/67%), selenium (70%, MSD), and antimony (44%/49%) recoveries were less than the laboratory-specified limits. In addition, aluminum, cadmium, iron, lead, and zinc were not recovered. Specific limitations include the following:
    - AMEC J qualified (unless U qualified due to blank contamination) the detected calcium, copper, nickel, selenium, and antimony results from the following samples because of possible low bias due to potential matrix interference: SD08-7 (0-6), SD08-7 (6-18), and SD08-7 (18-22).
    - The aluminum, cadmium, iron, lead, and zinc concentrations in the unspiked sample were greater than four times the spike concentration added; therefore, data usability could not be fully evaluated. Qualification of data was not required.
- MS/MSD analysis was performed on sample SD08-2(6-18). The antimony recoveries of 63% in the MS/MSD were less than the laboratory-specified limits. In addition, silver, aluminum, calcium, cadmium, chromium, copper, iron, nickel, lead, and zinc were not recovered. Specific limitations include the following:
    - AMEC J qualified the detected antimony results from the following samples because of possible low bias due to potential matrix interference: SD08-2(0-6), SD08-2(6-18), SD08-2(18-30), SD08-2(30-38), and SD-DUP2.
    - The silver, aluminum, calcium, cadmium, chromium, copper, iron, nickel, lead, and zinc concentrations in the unspiked sample were greater than four times the spike concentration added; therefore, data usability could not be fully evaluated. Qualification of data was not required.
- MS/MSD analysis was performed on sample SD08-5(6-13). Calcium (71%/68%), cadmium (74%/73%), and antimony (53%/54%) recoveries were less than the laboratory-specified limits. In addition, aluminum, chromium, iron, lead, and zinc were not recovered. Specific limitations include the following:
    - AMEC J qualified the detected calcium, cadmium, and antimony results from the following samples because of possible low bias due to potential matrix interference: SD08-5(0-6), SD08-5(6-13), and SD-DUP1.

- The aluminum, chromium, iron, lead, and zinc concentrations in the unspiked sample were greater than four times the spike concentration added; therefore, data usability could not be fully evaluated. Qualification of data was not required.

- MS/MSD analysis was performed on sample SD08-40(0-6). The mercury recovery of 130% was greater than the laboratory-specified limits in the MS. AMEC J qualified the detected mercury result from sample SD08-40 (0-6) because of possible high bias due to potential matrix interference.

4.7.9 Serial Dilution Results

- Serial dilution analysis was performed on sample SD08-2 (6-18). The antimony (18.6%) and beryllium (19.7%) percent differences were greater than the method-specified 10% acceptance limit. AMEC J qualified the detected antimony and beryllium results from the following samples because of possible bias due to potential matrix interference: SD08-2(0-6), SD08-2(6-18), SD08-2(18-30), SD08-2(30-38), and SD-DUP2.

- Serial dilution analysis was performed on sample SD08-7 (6-18). The arsenic (16.7%) and zinc (17.6%) percent differences were greater than the method-specified 10% acceptance limit. AMEC J qualified the detected arsenic and zinc results from the following samples because of possible bias due to potential matrix interference: SD08-7 (0-6), SD08-7 (6-18), and SD08-7 (18-22).

- Serial dilution analysis was performed on sample SD08-5 (6-13). The arsenic (22.8%), copper (10.8%), and zinc (22.6%) percent differences were greater than the method-specified 10% acceptance limit. AMEC J qualified the detected arsenic, copper, and zinc results from the following samples because of possible bias due to potential matrix interference: SD08-5(0-6), SD08-5(6-13), and SD-DUP1.

4.7.10 Data Reporting and Analytical Procedures

The laboratory B qualified detected results with concentrations between the MDL and CRQL. AMEC concurs that these results are quantitative estimates and J qualified (unless U qualified due to blank contamination) these results.

4.8 Percent Moisture

The percent moisture for samples SD08-8 (0-6) (75%), SD08-7 (0-6) (74%), SD08-4 (0-6) (72%), SD08-3 (0-6) (74%), SD08-1 (0-6) (73%) were ≥ 70% but < 90%.

AMEC J qualified (unless U qualified due to blank contamination or interferences) all detected results and UJ qualified all nondetected results from these samples per Region II criteria.

4.9 Total Cyanide, Total Organic Carbon, Acid-Volatile Sulfide, Simultaneously Extracted Metals, and Total Hardness as $CaCO_3$

Total cyanide, TOC, acid-volatile sulfide, SEM, and total hardness as $CaCO_3$ results generated by TA for the samples covered in this report may be considered usable with the limitations described below.

- The laboratory B qualified detected results with concentrations between the MDL and RL. AMEC concurs that these results are quantitative estimates and J qualified these results.
- The laboratory performed SEM MS/MSD analysis on sample SD08-4 (0-6). The nickel (63%/65%) and silver (12%, MS) recoveries were less than the laboratory-specified limits. In addition, cadmium, chromium, copper, lead, and zinc were not recovered in the MS/MSD and silver was not recovered in the MSD. Specific limitations include the following:
    - AMEC J qualified the detected nickel and silver results from sample SD08-4 (0-6) because of possible low bias due to potential matrix interference.
    - The cadmium, chromium, copper, lead, and zinc concentrations in the unspiked sample were greater than four times the spike concentration added; therefore, data usability could not be fully evaluated. Qualification of data was not required.
- Chromium (0.00084 µmoles/gm), copper (0.0012 µmoles/gm), and zinc (0.0058 µmoles/gm) were detected in method blank C8E220000-123. Chromium, copper, and zinc concentrations were greater than the RL in the associated samples; therefore, data usability is not adversely affected.
- TOC was detected in equipment blank SED08-EB at a concentration of 0.27 milligrams per liter (mg/L). TOC concentrations were greater than the RL; therefore, data usability is not adversely affected by the equipment blank results.
- The laboratory performed TOC MS/MSD analysis on sample SD08-7(6-18). The MSD recovery of 43% was less than the laboratory-specified 75% to 125% acceptance limits. AMEC J qualified the detected TOC results from sample SD08-7(6-18), SD08-7(0-6), and SD08-7(18-22) because of possible low bias due to potential matrix interference.

- Cyanide was detected in method blanks BLK-C8E210000176B (0.10 mg/kg), BLK-C8E210000177B (0.12 mg/kg), and BLK-C8E210000327B (0.16 mg/kg). AMEC U qualified the detected cyanide results from the following samples because the sample concentrations were less than the RL: SD08-8(0-6), SD08-8(6-18), SD08-8(18-20), SD08-5(0-6), SD08-5(6-13), SD08-7(0-6), SD08-7(6-18), SD08-7(18-22), SD08-6(0-6), SD08-6(6-9), SD08-4(0-6), SD08-4(6-18), SD08-4(18-20), SD08-3(0-6), SD08-3(6-18), SD08-3(18-25), SD08-3(25-29), SD08-30(0-6), SD08-2(6-18), SD08-2(18-30), SD08-2(30-38), SD-DUP2, SD08-40(0-6), SD08-1(0-6), SD08-1(16-18), SD08-1(18-30), and SD08-1(30-35).
- The laboratory performed cyanide MS/MSD analysis on sample SD08-7(6-18). The MSD recovery of 63% was less than the laboratory-specified 75% to 125% acceptance limits. The detected cyanide result from this sample was previously U qualified due to blank contamination; further qualification is not required.

5.0 FIELD DUPLICATE RESULTS

Samples SD08-5(0-6) and SD08-2(6-18) were collected as field duplicates and submitted to TA. The samples were labeled blindly, so that the laboratory was not aware which samples were submitted in duplicate. Detected results and RPDs for the field duplicates are summarized in Table 3. Qualifiers added during validation, because of precision values exceeding QAPP-specified acceptance limits of less than 20% RPD for sample concentrations more than five times their CRQL or RL, are described in Table 3.

6.0 SUMMARY AND CONCLUSIONS

AMEC's review indicates the data from this event are generally usable and of good quality. The types of qualifications applied to the dataset included nondetected data (U) and estimated data (J or UJ).

Nondetected Qualified Data. A number of detected metal, VOC, SVOC, pesticide, and cyanide results were U qualified as nondetected because of contamination in the associated laboratory and/or trip blanks or interferences. Results that were U qualified as nondetected were not further qualified due to other associated QC outliers.

Estimated Data. Portions of the VOC, SVOC, pesticide, PCB, metals, AVS/SEM, TOC, and cyanide data were qualified as estimated due to calibration issues, high surrogate recoveries, low and high matrix spike recoveries, a low internal standard recovery, exceeded holding times, high percent moisture results, serial dilution and field duplicate imprecision, and concentrations between the MDLs and RLs.

Data Completeness Assessment. A total of 5,108 data records were evaluated during the data validation and review of the sample results. Of the total data records, 1,421 records (28%) were qualified as estimated concentrations. Estimated concentrations may be associated with either the nondetected concentration limits (UJ) or the concentration of detected target analytes (J). Of the total data records, 137 (2.7%) were qualified as nondetected as a result of a detection of a target analyte in the associated blanks or interferences. The total hardness data did not require qualification.

No data were rejected; therefore, 100% of the data should be considered valid, which meets the 90% project data quality objective.

REFERENCES

AMEC, 2008, Sampling and Analysis Plan, Volume II - Quality Assurance Project Plan, Koppers Pond, Kentucky Avenue Wellfield Site, Operable Unit 4, Horseheads, New York.

EPA, 1999. *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, USEPA-540-R-99-008.

EPA, 2004. *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, EPA 540-R-04-004.

EPA, 2006. USEPA Region 10, Clarification of SW-846 Method 8081 and Supplemental Guidance for Data Review, May 3, 2006.

LIMITATIONS

This report was prepared exclusively for Koppers Pond PRP Group by AMEC Earth & Environmental, Inc. (AMEC). The quality of information, conclusions, and estimates contained herein is consistent with the level of effort involved in AMEC services and based on: i) information available at the time of preparation, ii) data supplied by outside sources, and iii) the assumptions, conditions, and qualifications set forth in this report. This Data Validation Report is intended to be used by Koppers Pond PRP Group for the Remedial Investigation/Feasibility Study, Koppers Pond, Kentucky Avenue Wellfield Superfund Site, Operable Unit 4, Horseheads, New York only, subject to the terms and conditions of its contract with AMEC. Any other use of, or reliance on, this report by any third party is at that party's sole risk.

TABLES

TABLE 1
Field Samples Submitted to TestAmerica
Koppers Pond
SDG C8E150368

Sample ID	Collection Date	Matrix	TestAmerica Sample ID	Data Validation Level	VOCs	SVOCs	Pesticides	PCBs	AVS/SEM	Metals	TOC	Cyanide	Hardness as CaCO3	Notes
SD08-8(0-6)	5/13/2008	Sediment	C8E150368-001	Full	√	√	√	√		√	√	√		
SD08-8(6-18)	5/13/2008	Sediment	C8E150368-002	Full	√	√	√	√		√	√	√		
SD08-8(18-20)	5/13/2008	Sediment	C8E150368-003	DQR	√	√	√	√		√	√	√		
SD08-5(0-6)	5/13/2008	Sediment	C8E150368-004	Full	√	√	√	√		√	√	√		
SD08-5(6-13)	5/13/2008	Sediment	C8E150368-005	DQR	√	√	√	√		√	√	√		
SD-DUP1	5/13/2008	Sediment	C8E150368-006	Full	√	√	√	√		√	√	√		Field Duplicate of SD08-5(0-6)
SD08-7(0-6)	5/14/2008	Sediment	C8E150368-007	DQR	√	√	√	√		√	√	√		
SD08-7(6-18)	5/14/2008	Sediment	C8E150368-008	DQR	√	√	√	√		√	√	√		MS/MSD
SD08-7(18-22)	5/14/2008	Sediment	C8E150368-009	DQR	√	√	√	√		√	√	√		
SD08-6(0-6)	5/14/2008	Sediment	C8E150368-010	DQR	√	√	√	√	√	√	√	√		
SD08-6(6-9)	5/14/2008	Sediment	C8E150368-011	DQR	√	√	√	√		√	√	√		
SD08-4(0-6)	5/14/2008	Sediment	C8E150368-012	DQR	√	√	√	√	√	√	√	√		
SD08-4(6-18)	5/14/2008	Sediment	C8E150368-013	DQR	√	√	√	√		√	√	√		
SD08-4(18-20)	5/14/2008	Sediment	C8E150368-014	DQR	√	√	√	√		√	√	√		
SD08-3(0-6)	5/14/2008	Sediment	C8E150368-015	DQR	√	√	√	√	√	√	√	√		
SD08-3(6-18)	5/14/2008	Sediment	C8E150368-016	DQR	√	√	√	√		√	√	√		
SD08-3(18-25)	5/14/2008	Sediment	C8E150368-017	DQR	√	√	√	√		√	√	√		
SD08-3(25-29)	5/14/2008	Sediment	C8E150368-018	DQR	√	√	√	√		√	√	√		
SD08-30(0-6)	5/14/2008	Sediment	C8E150368-019	DQR	√	√	√	√		√	√	√		
SD08-2(0-6)	5/14/2008	Sediment	C8E150368-020	DQR	√	√	√	√	√	√	√	√		
SD08-2(6-18)	5/14/2008	Sediment	C8E150368-021	Full	√	√	√	√		√	√	√		
SD08-2(18-30)	5/14/2008	Sediment	C8E150368-022	DQR	√	√	√	√		√	√	√		
SD08-2(30-38)	5/14/2008	Sediment	C8E150368-023	DQR	√	√	√	√		√	√	√		
SD-DUP2	5/14/2008	Sediment	C8E150368-024	Full	√	√	√	√		√	√	√		Field Duplicate of SD08-2(6-18)
SD08-40(0-6)	5/14/2008	Sediment	C8E150368-025	DQR	√	√	√	√		√	√	√		
SD08-1(0-6)	5/14/2008	Sediment	C8E150368-026	DQR	√	√	√	√	√	√	√	√		
SD08-1(16-18)	5/14/2008	Sediment	C8E150368-027	DQR	√	√	√	√		√	√	√		
SD08-1(18-30)	5/14/2008	Sediment	C8E150368-028	DQR	√	√	√	√		√	√	√		
SD08-1(30-35)	5/14/2008	Sediment	C8E150368-029	DQR	√	√	√	√		√	√	√		
TB-1	5/14/2008	Water	C8E150368-030	DQR	√									Trip Blank
SED08-EB	5/14/2008	Water	C8E150368-031	DQR	√	√	√	√		√	√	√	√	Equipment Blank

DQR = Data quality review as described by Section 10.2.1 of the Quailty Assurance Project Plan,
Quality Assurance Project Plan, Koppers Pond, Kentucky Avenue Wellfield Site, Operable Unit 4, April 2008
ID = identification
AVS/SEM = acid volatile sulfide/simultaneously extracted metals
MS/MSD = matrix spike/matrix spike duplicate
PCBs = polychlorinated biphenyls
SDG = sample delivery group
SVOCs = semivolatile organic compounds
TOC = total organic carbon
VOCs = volatile organic compounds

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E150368

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-8(0-6)	Mercury	0.63	mg/kg	SW846 7471A	J	PM
SD08-8(0-6)	Cyanide, Total	0.78	mg/kg	SW846 9012A	U	MB
SD08-8(0-6)	Aroclor 1016	33	ug/kg	SW846 8082	UJ	PM
SD08-8(0-6)	Aroclor 1221	33	ug/kg	SW846 8082	UJ	PM
SD08-8(0-6)	Aroclor 1232	33	ug/kg	SW846 8082	UJ	PM
SD08-8(0-6)	Aroclor 1242	33	ug/kg	SW846 8082	UJ	PM
SD08-8(0-6)	Aroclor 1248	33	ug/kg	SW846 8082	UJ	PM
SD08-8(0-6)	Aroclor 1254	670	ug/kg	SW846 8082	J	PM
SD08-8(0-6)	Aroclor 1260	33	ug/kg	SW846 8082	UJ	PM
SD08-8(0-6)	Acenaphthene	270	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	Diethyl phthalate	1300	ug/kg	SW846 8270C	UJ	LC, PM
SD08-8(0-6)	2,4-Dimethylphenol	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	Dimethyl phthalate	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	Di-n-octyl phthalate	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	4,6-Dinitro-2-methylphenol	6800	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	2,4-Dinitrophenol	6800	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	2,4-Dinitrotoluene	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	2,6-Dinitrotoluene	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	Anthracene	320	ug/kg	SW846 8270C	J	PM
SD08-8(0-6)	Fluoranthene	1100	ug/kg	SW846 8270C	J	PM
SD08-8(0-6)	Fluorene	270	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	Hexachlorobenzene	270	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	Hexachlorobutadiene	270	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	Hexachlorocyclopentadiene	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	Hexachloroethane	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	Indeno(1,2,3-cd)pyrene	360	ug/kg	SW846 8270C	J	PM
SD08-8(0-6)	Isophorone	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	Atrazine	1300	ug/kg	SW846 8270C	UJ	LC, PM
SD08-8(0-6)	2-Methylnaphthalene	270	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	2-Methylphenol	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	4-Methylphenol	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	Naphthalene	270	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	2-Nitroaniline	6800	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	3-Nitroaniline	6800	ug/kg	SW846 8270C	UJ	PM

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E150368

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-8(0-6)	4-Nitroaniline	6800	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	Nitrobenzene	270	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	2-Nitrophenol	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	4-Nitrophenol	6800	ug/kg	SW846 8270C	UJ	LC, PM
SD08-8(0-6)	Benzo(a)anthracene	290	ug/kg	SW846 8270C	J	PM
SD08-8(0-6)	N-Nitrosodi-n-propylamine	270	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	N-Nitrosodiphenylamine	270	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	Benzo(b)fluoranthene	790	ug/kg	SW846 8270C	J	PM
SD08-8(0-6)	Benzo(k)fluoranthene	240	ug/kg	SW846 8270C	J	DL, PM
SD08-8(0-6)	Benzo(ghi)perylene	440	ug/kg	SW846 8270C	J	PM
SD08-8(0-6)	Benzo(a)pyrene	520	ug/kg	SW846 8270C	J	PM
SD08-8(0-6)	Pentachlorophenol	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	Phenanthrene	390	ug/kg	SW846 8270C	J	PM
SD08-8(0-6)	Phenol	270	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	Pyrene	570	ug/kg	SW846 8270C	J	PM
SD08-8(0-6)	Acetophenone	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	2,4,5-Trichlorophenol	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	2,4,6-Trichlorophenol	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	Carbazole	270	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	bis(2-Chloroethoxy)methane	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	bis(2-Chloroethyl) ether	270	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	bis(2-Ethylhexyl) phthalate	390	ug/kg	SW846 8270C	J	DL, PM
SD08-8(0-6)	Benzaldehyde	1300	ug/kg	SW846 8270C	UJ	BC, PM
SD08-8(0-6)	1,1'-Biphenyl	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	4-Bromophenyl phenyl ether	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	2,2'-oxybis(1-Chloropropane)	270	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	Butyl benzyl phthalate	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	Acenaphthylene	270	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	Caprolactam	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	4-Chloroaniline	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	4-Chloro-3-methylphenol	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	2-Chloronaphthalene	270	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	2-Chlorophenol	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	4-Chlorophenyl phenyl ether	1300	ug/kg	SW846 8270C	UJ	PM

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E150368

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-8(0-6)	Chrysene	500	ug/kg	SW846 8270C	J	PM
SD08-8(0-6)	Toxaphene	1300	ug/kg	SW846 8081A	UJ	PM
SD08-8(0-6)	alpha-Chlordane	34	ug/kg	SW846 8081A	UJ	PM
SD08-8(0-6)	gamma-Chlordane	34	ug/kg	SW846 8081A	UJ	PM
SD08-8(0-6)	Aldrin	34	ug/kg	SW846 8081A	UJ	PM
SD08-8(0-6)	4,4'-DDD	34	ug/kg	SW846 8081A	UJ	PM
SD08-8(0-6)	4,4'-DDE	34	ug/kg	SW846 8081A	UJ	PM
SD08-8(0-6)	4,4'-DDT	34	ug/kg	SW846 8081A	UJ	PM
SD08-8(0-6)	Dieldrin	34	ug/kg	SW846 8081A	UJ	PM
SD08-8(0-6)	Endosulfan I	34	ug/kg	SW846 8081A	UJ	PM
SD08-8(0-6)	Endosulfan II	34	ug/kg	SW846 8081A	UJ	PM
SD08-8(0-6)	Endosulfan sulfate	34	ug/kg	SW846 8081A	UJ	PM
SD08-8(0-6)	Endrin	34	ug/kg	SW846 8081A	UJ	PM
SD08-8(0-6)	Endrin aldehyde	34	ug/kg	SW846 8081A	UJ	PM
SD08-8(0-6)	Endrin ketone	34	ug/kg	SW846 8081A	UJ	PM
SD08-8(0-6)	Heptachlor	34	ug/kg	SW846 8081A	UJ	PM
SD08-8(0-6)	Heptachlor epoxide	34	ug/kg	SW846 8081A	UJ	PM
SD08-8(0-6)	Methoxychlor	66	ug/kg	SW846 8081A	UJ	PM
SD08-8(0-6)	alpha-BHC	34	ug/kg	SW846 8081A	UJ	PM
SD08-8(0-6)	beta-BHC	34	ug/kg	SW846 8081A	UJ	PM
SD08-8(0-6)	delta-BHC	34	ug/kg	SW846 8081A	UJ	PM
SD08-8(0-6)	gamma-BHC (Lindane)	34	ug/kg	SW846 8081A	UJ	PM
SD08-8(0-6)	Dibenz(a,h)anthracene	150	ug/kg	SW846 8270C	J	DL, PM
SD08-8(0-6)	Dibenzofuran	1300	ug/kg	SW846 8270C	U	EB
SD08-8(0-6)	Di-n-butyl phthalate	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	3,3'-Dichlorobenzidine	1300	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	2,4-Dichlorophenol	270	ug/kg	SW846 8270C	UJ	PM
SD08-8(0-6)	TOC	56100	mg/kg	EPA Lloyd Kahn	J	PM
SD08-8(0-6)	Antimony	1.8	mg/kg	SW846 6020	J	PM
SD08-8(0-6)	Arsenic	2.6	mg/kg	SW846 6020	J	PM
SD08-8(0-6)	Iron	13800	mg/kg	SW846 6020	J	PM
SD08-8(0-6)	Lead	562	mg/kg	SW846 6020	J	PM
SD08-8(0-6)	Magnesium	5310	mg/kg	SW846 6020	J	PM
SD08-8(0-6)	Manganese	107	mg/kg	SW846 6020	J	PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-8(0-6)	Barium	513	mg/kg	SW846 6020	J	PM
SD08-8(0-6)	Nickel	133	mg/kg	SW846 6020	J	PM
SD08-8(0-6)	Potassium	789	mg/kg	SW846 6020	J	PM
SD08-8(0-6)	Beryllium	0.46	mg/kg	SW846 6020	J	PM
SD08-8(0-6)	Selenium	1.7	mg/kg	SW846 6020	J	PM
SD08-8(0-6)	Silver	21.2	mg/kg	SW846 6020	J	PM
SD08-8(0-6)	Sodium	603	mg/kg	SW846 6020	J	PM
SD08-8(0-6)	Thallium	0.4	mg/kg	SW846 6020	J	PM
SD08-8(0-6)	Vanadium	17.6	mg/kg	SW846 6020	J	PM
SD08-8(0-6)	Zinc	4930	mg/kg	SW846 6020	J	PM
SD08-8(0-6)	Chromium	274	mg/kg	SW846 6020	J	PM
SD08-8(0-6)	Cadmium	356	mg/kg	SW846 6020	J	PM
SD08-8(0-6)	Calcium	171000	mg/kg	SW846 6020	J	PM
SD08-8(0-6)	Cobalt	11.3	mg/kg	SW846 6020	J	PM
SD08-8(0-6)	Copper	412	mg/kg	SW846 6020	J	PM
SD08-8(0-6)	Aluminum	11400	mg/kg	SW846 6020	J	PM
SD08-8(0-6)	Bromodichloromethane	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Bromoform	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Bromomethane	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	2-Butanone	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Carbon disulfide	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Carbon tetrachloride	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Chlorobenzene	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Dibromochloromethane	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	1,2-Dibromo-3-chloropropane	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Chloroethane	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Chloroform	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Chloromethane	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Cyclohexane	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	1,2-Dibromoethane	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	1,2-Dichlorobenzene	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	1,3-Dichlorobenzene	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	1,4-Dichlorobenzene	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Dichlorodifluoromethane	20	ug/kg	SW846 8260B	UJ	PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-8(0-6)	1,1-Dichloroethane	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	1,2-Dichloroethane	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	1,1-Dichloroethene	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	cis-1,2-Dichloroethene	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	trans-1,2-Dichloroethene	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	1,2-Dichloropropane	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	cis-1,3-Dichloropropene	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	trans-1,3-Dichloropropene	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Acetone	80	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Ethylbenzene	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Trichlorofluoromethane	20	ug/kg	SW846 8260B	UJ	LC, PM
SD08-8(0-6)	2-Hexanone	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Isopropylbenzene	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Methyl acetate	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Methylcyclohexane	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Methylene chloride	20	ug/kg	SW846 8260B	U	TB
SD08-8(0-6)	4-Methyl-2-pentanone	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Benzene	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Styrene	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	1,1,2,2-Tetrachloroethane	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Tetrachloroethene	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Toluene	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	1,2,4-Trichlorobenzene	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	1,1,1-Trichloroethane	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	1,1,2-Trichloroethane	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Trichloroethene	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	1,1,2-Trichloro-1,2,2-trifluoroethane	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Vinyl chloride	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Xylenes (total)	60	ug/kg	SW846 8260B	UJ	PM
SD08-8(0-6)	Methyl tert-butyl ether	20	ug/kg	SW846 8260B	UJ	PM
SD08-8(6-18)	Cyanide, Total	0.38	mg/kg	SW846 9012A	U	MB
SD08-8(6-18)	Endrin ketone	8.3	ug/kg	SW846 8081A	U	SE
SD08-8(6-18)	alpha-Chlordane	2.8	ug/kg	SW846 8081A	U	SE
SD08-8(6-18)	gamma-Chlordane	9.7	ug/kg	SW846 8081A	U	SE

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-8(6-18)	Benzo(k)fluoranthene	88	ug/kg	SW846 8270C	J	DL
SD08-8(6-18)	Benzo(ghi)perylene	100	ug/kg	SW846 8270C	J	DL
SD08-8(6-18)	Benzaldehyde	69	ug/kg	SW846 8270C	J	BC, DL
SD08-8(6-18)	Chrysene	120	ug/kg	SW846 8270C	J	DL
SD08-8(6-18)	Diethyl phthalate	650	ug/kg	SW846 8270C	UJ	LC
SD08-8(6-18)	Indeno(1,2,3-cd)pyrene	86	ug/kg	SW846 8270C	J	DL
SD08-8(6-18)	Atrazine	650	ug/kg	SW846 8270C	UJ	LC
SD08-8(6-18)	4-Nitrophenol	3300	ug/kg	SW846 8270C	UJ	LC
SD08-8(6-18)	Benzo(a)anthracene	82	ug/kg	SW846 8270C	J	DL
SD08-8(6-18)	Acetone	39	ug/kg	SW846 8260B	U	TB
SD08-8(6-18)	Methylene chloride	9.8	ug/kg	SW846 8260B	U	TB
SD08-8(18-20)	Antimony	0.12	mg/kg	SW846 6020	J	DL
SD08-8(18-20)	Acetone	40	ug/kg	SW846 8260B	U	TB
SD08-8(18-20)	Diethyl phthalate	660	ug/kg	SW846 8270C	UJ	LC
SD08-8(18-20)	Atrazine	660	ug/kg	SW846 8270C	UJ	LC
SD08-8(18-20)	4-Nitrophenol	3400	ug/kg	SW846 8270C	UJ	LC
SD08-8(18-20)	Benzo(a)anthracene	49	ug/kg	SW846 8270C	J	DL
SD08-8(18-20)	Benzo(a)pyrene	120	ug/kg	SW846 8270C	J	DL
SD08-8(18-20)	Phenanthrene	110	ug/kg	SW846 8270C	J	DL
SD08-8(18-20)	Pyrene	71	ug/kg	SW846 8270C	J	DL
SD08-8(18-20)	Benzaldehyde	660	ug/kg	SW846 8270C	UJ	BC
SD08-8(18-20)	Chrysene	55	ug/kg	SW846 8270C	J	DL
SD08-8(18-20)	Cyanide, Total	0.8	mg/kg	SW846 9012A	U	MB
SD08-5(0-6)	Mercury	0.22	mg/kg	SW846 7471A	J	FD
SD08-5(0-6)	Cyanide, Total	1	mg/kg	SW846 9012A	U	MB
SD08-5(0-6)	Fluoranthene	570	ug/kg	SW846 8270C	J	FD
SD08-5(0-6)	Indeno(1,2,3-cd)pyrene	160	ug/kg	SW846 8270C	J	DL
SD08-5(0-6)	Atrazine	890	ug/kg	SW846 8270C	UJ	LC
SD08-5(0-6)	4-Nitrophenol	4600	ug/kg	SW846 8270C	UJ	LC
SD08-5(0-6)	Benzo(a)anthracene	130	ug/kg	SW846 8270C	J	DL
SD08-5(0-6)	Benzo(k)fluoranthene	120	ug/kg	SW846 8270C	J	DL
SD08-5(0-6)	Benzo(ghi)perylene	150	ug/kg	SW846 8270C	J	DL
SD08-5(0-6)	Benzaldehyde	890	ug/kg	SW846 8270C	UJ	BC
SD08-5(0-6)	TOC	39600	mg/kg	EPA Lloyd Kahn	J	FD

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-5(0-6)	Aroclor 1254	410	ug/kg	SW846 8082	J	HS
SD08-5(0-6)	Diethyl phthalate	890	ug/kg	SW846 8270C	UJ	LC
SD08-5(0-6)	Anthracene	200	ug/kg	SW846 8270C	J	FD
SD08-5(0-6)	1,2-Dibromo-3-chloropropane	14	ug/kg	SW846 8260B	UJ	LC
SD08-5(0-6)	Antimony	3.1	mg/kg	SW846 6020	J	LM
SD08-5(0-6)	Arsenic	2.4	mg/kg	SW846 6020	J	MI
SD08-5(0-6)	Nickel	76.3	mg/kg	SW846 6020	J	FD
SD08-5(0-6)	Potassium	883	mg/kg	SW846 6020	J	FD
SD08-5(0-6)	Silver	4.2	mg/kg	SW846 6020	J	FD
SD08-5(0-6)	Zinc	449	mg/kg	SW846 6020	J	MI
SD08-5(0-6)	Chromium	136	mg/kg	SW846 6020	J	FD
SD08-5(0-6)	Cadmium	23.2	mg/kg	SW846 6020	J	LM
SD08-5(0-6)	Calcium	27400	mg/kg	SW846 6020	J	LM
SD08-5(0-6)	Copper	107	mg/kg	SW846 6020	J	MI, FD
SD08-5(6-13)	Antimony	2.9	mg/kg	SW846 6020	J	LM
SD08-5(6-13)	Arsenic	1.8	mg/kg	SW846 6020	J	MI
SD08-5(6-13)	Zinc	163	mg/kg	SW846 6020	J	MI
SD08-5(6-13)	Cadmium	6	mg/kg	SW846 6020	J	LM
SD08-5(6-13)	Calcium	9630	mg/kg	SW846 6020	J	LM
SD08-5(6-13)	Copper	51.9	mg/kg	SW846 6020	J	MI
SD08-5(6-13)	Trichlorofluoromethane	9.5	ug/kg	SW846 8260B	UJ	LC
SD08-5(6-13)	1,2-Dibromo-3-chloropropane	9.5	ug/kg	SW846 8260B	UJ	LC
SD08-5(6-13)	Aroclor 1254	150	ug/kg	SW846 8082	J	HS
SD08-5(6-13)	Diethyl phthalate	630	ug/kg	SW846 8270C	UJ	LC
SD08-5(6-13)	Indeno(1,2,3-cd)pyrene	63	ug/kg	SW846 8270C	J	DL
SD08-5(6-13)	Atrazine	630	ug/kg	SW846 8270C	UJ	LC
SD08-5(6-13)	4-Nitrophenol	3200	ug/kg	SW846 8270C	UJ	LC
SD08-5(6-13)	Benzo(a)anthracene	75	ug/kg	SW846 8270C	J	DL
SD08-5(6-13)	Benzo(k)fluoranthene	28	ug/kg	SW846 8270C	J	DL
SD08-5(6-13)	Phenanthrene	120	ug/kg	SW846 8270C	J	DL
SD08-5(6-13)	Pyrene	72	ug/kg	SW846 8270C	J	DL
SD08-5(6-13)	Benzaldehyde	630	ug/kg	SW846 8270C	UJ	BC
SD08-5(6-13)	Chrysene	78	ug/kg	SW846 8270C	J	DL
SD08-5(6-13)	Cyanide, Total	0.76	mg/kg	SW846 9012A	U	MB

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD-DUP1	Nickel	98.6	mg/kg	SW846 6020	J	FD
SD-DUP1	Potassium	1140	mg/kg	SW846 6020	J	FD
SD-DUP1	Silver	5.2	mg/kg	SW846 6020	J	FD
SD-DUP1	Zinc	537	mg/kg	SW846 6020	J	MI
SD-DUP1	Chromium	175	mg/kg	SW846 6020	J	FD
SD-DUP1	Cadmium	27.9	mg/kg	SW846 6020	J	LM
SD-DUP1	Calcium	31100	mg/kg	SW846 6020	J	LM
SD-DUP1	Copper	135	mg/kg	SW846 6020	J	MI, FD
SD-DUP1	Antimony	3.5	mg/kg	SW846 6020	J	LM
SD-DUP1	Arsenic	2.6	mg/kg	SW846 6020	J	MI
SD-DUP1	Trichlorofluoromethane	16	ug/kg	SW846 8260B	UJ	LC
SD-DUP1	1,2-Dibromo-3-chloropropane	16	ug/kg	SW846 8260B	UJ	LC
SD-DUP1	Mercury	0.3	mg/kg	SW846 7471A	J	FD
SD-DUP1	Benzaldehyde	520	ug/kg	SW846 8270C	UJ	BC
SD-DUP1	Diethyl phthalate	520	ug/kg	SW846 8270C	UJ	LC
SD-DUP1	Fluoranthene	350	ug/kg	SW846 8270C	J	FD
SD-DUP1	Indeno(1,2,3-cd)pyrene	100	ug/kg	SW846 8270C	J	DL
SD-DUP1	Atrazine	520	ug/kg	SW846 8270C	UJ	LC
SD-DUP1	4-Nitrophenol	2700	ug/kg	SW846 8270C	UJ	LC
SD-DUP1	Benzo(a)anthracene	71	ug/kg	SW846 8270C	J	DL
SD-DUP1	Benzo(k)fluoranthene	45	ug/kg	SW846 8270C	J	DL
SD-DUP1	Benzo(ghi)perylene	98	ug/kg	SW846 8270C	J	DL
SD-DUP1	Aroclor 1254	450	ug/kg	SW846 8082	J	HS
SD-DUP1	gamma-Chlordane	15	ug/kg	SW846 8081A	U	SE
SD-DUP1	TOC	126000	mg/kg	EPA Lloyd Kahn	J	FD
SD08-7(0-6)	Aroclor 1016	31	ug/kg	SW846 8082	UJ	PM
SD08-7(0-6)	Aroclor 1221	31	ug/kg	SW846 8082	UJ	PM
SD08-7(0-6)	Aroclor 1232	31	ug/kg	SW846 8082	UJ	PM
SD08-7(0-6)	Aroclor 1242	31	ug/kg	SW846 8082	UJ	PM
SD08-7(0-6)	Aroclor 1248	31	ug/kg	SW846 8082	UJ	PM
SD08-7(0-6)	Aroclor 1254	580	ug/kg	SW846 8082	J	PM
SD08-7(0-6)	Aroclor 1260	31	ug/kg	SW846 8082	UJ	PM
SD08-7(0-6)	Acenaphthene	250	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	Diethyl phthalate	1200	ug/kg	SW846 8270C	UJ	PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-7(0-6)	2,4-Dimethylphenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	Dimethyl phthalate	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	Di-n-octyl phthalate	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	4,6-Dinitro-2-methylphenol	6400	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	2,4-Dinitrophenol	6400	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	2,4-Dinitrotoluene	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	2,6-Dinitrotoluene	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	Anthracene	310	ug/kg	SW846 8270C	J	PM
SD08-7(0-6)	Fluoranthene	1000	ug/kg	SW846 8270C	J	PM
SD08-7(0-6)	Fluorene	250	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	Hexachlorobenzene	250	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	Hexachlorobutadiene	250	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	Hexachlorocyclopentadiene	1200	ug/kg	SW846 8270C	UJ	LC, PM
SD08-7(0-6)	Hexachloroethane	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	Indeno(1,2,3-cd)pyrene	300	ug/kg	SW846 8270C	J	PM
SD08-7(0-6)	Isophorone	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	Atrazine	1200	ug/kg	SW846 8270C	UJ	LC, PM
SD08-7(0-6)	2-Methylnaphthalene	250	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	2-Methylphenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	4-Methylphenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	Naphthalene	250	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	2-Nitroaniline	6400	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	3-Nitroaniline	6400	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	4-Nitroaniline	6400	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	Nitrobenzene	250	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	2-Nitrophenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	4-Nitrophenol	6400	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	Benzo(a)anthracene	240	ug/kg	SW846 8270C	J	DL, PM
SD08-7(0-6)	N-Nitrosodi-n-propylamine	250	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	N-Nitrosodiphenylamine	250	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	Benzo(b)fluoranthene	630	ug/kg	SW846 8270C	J	PM
SD08-7(0-6)	Benzo(k)fluoranthene	270	ug/kg	SW846 8270C	J	PM
SD08-7(0-6)	Benzo(ghi)perylene	360	ug/kg	SW846 8270C	J	PM
SD08-7(0-6)	Benzo(a)pyrene	450	ug/kg	SW846 8270C	J	PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-7(0-6)	Pentachlorophenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	Phenanthrene	320	ug/kg	SW846 8270C	J	PM
SD08-7(0-6)	Phenol	250	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	Pyrene	460	ug/kg	SW846 8270C	J	PM
SD08-7(0-6)	Acetophenone	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	2,4,5-Trichlorophenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	2,4,6-Trichlorophenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	Carbazole	250	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	bis(2-Chloroethoxy)methane	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	bis(2-Chloroethyl) ether	250	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	bis(2-Ethylhexyl) phthalate	330	ug/kg	SW846 8270C	J	DL, PM
SD08-7(0-6)	Benzaldehyde	1200	ug/kg	SW846 8270C	UJ	BC, PM
SD08-7(0-6)	1,1'-Biphenyl	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	4-Bromophenyl phenyl ether	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	2,2'-oxybis(1-Chloropropane)	250	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	Butyl benzyl phthalate	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	Acenaphthylene	250	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	Caprolactam	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	4-Chloroaniline	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	4-Chloro-3-methylphenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	2-Chloronaphthalene	250	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	2-Chlorophenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	4-Chlorophenyl phenyl ether	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	Chrysene	420	ug/kg	SW846 8270C	J	PM
SD08-7(0-6)	Dibenz(a,h)anthracene	120	ug/kg	SW846 8270C	J	DL, PM
SD08-7(0-6)	Dibenzofuran	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	Di-n-butyl phthalate	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	3,3'-Dichlorobenzidine	1200	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	2,4-Dichlorophenol	250	ug/kg	SW846 8270C	UJ	PM
SD08-7(0-6)	TOC	36600	mg/kg	EPA Lloyd Kahn	J	PM, LM
SD08-7(0-6)	Dieldrin	160	ug/kg	SW846 8081A	UJ	PM
SD08-7(0-6)	Endosulfan I	160	ug/kg	SW846 8081A	UJ	PM
SD08-7(0-6)	Endosulfan II	160	ug/kg	SW846 8081A	UJ	PM
SD08-7(0-6)	Endosulfan sulfate	160	ug/kg	SW846 8081A	UJ	PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-7(0-6)	Endrin	160	ug/kg	SW846 8081A	UJ	PM
SD08-7(0-6)	Endrin aldehyde	160	ug/kg	SW846 8081A	UJ	PM
SD08-7(0-6)	Endrin ketone	160	ug/kg	SW846 8081A	UJ	PM
SD08-7(0-6)	Heptachlor	160	ug/kg	SW846 8081A	UJ	PM
SD08-7(0-6)	Heptachlor epoxide	160	ug/kg	SW846 8081A	UJ	PM
SD08-7(0-6)	Methoxychlor	310	ug/kg	SW846 8081A	UJ	PM
SD08-7(0-6)	alpha-BHC	160	ug/kg	SW846 8081A	UJ	PM
SD08-7(0-6)	beta-BHC	160	ug/kg	SW846 8081A	UJ	PM
SD08-7(0-6)	delta-BHC	160	ug/kg	SW846 8081A	UJ	PM
SD08-7(0-6)	gamma-BHC (Lindane)	160	ug/kg	SW846 8081A	UJ	PM
SD08-7(0-6)	Toxaphene	6300	ug/kg	SW846 8081A	UJ	PM
SD08-7(0-6)	alpha-Chlordane	160	ug/kg	SW846 8081A	UJ	PM
SD08-7(0-6)	gamma-Chlordane	160	ug/kg	SW846 8081A	UJ	PM
SD08-7(0-6)	Aldrin	160	ug/kg	SW846 8081A	UJ	PM
SD08-7(0-6)	4,4'-DDD	160	ug/kg	SW846 8081A	UJ	PM
SD08-7(0-6)	4,4'-DDE	160	ug/kg	SW846 8081A	UJ	PM
SD08-7(0-6)	4,4'-DDT	160	ug/kg	SW846 8081A	UJ	PM
SD08-7(0-6)	Cyanide, Total	1.1	mg/kg	SW846 9012A	U	MB
SD08-7(0-6)	Mercury	0.41	mg/kg	SW846 7471A	J	PM
SD08-7(0-6)	trans-1,3-Dichloropropene	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Acetone	76	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Ethylbenzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Trichlorofluoromethane	19	ug/kg	SW846 8260B	UJ	LC, PM
SD08-7(0-6)	2-Hexanone	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Isopropylbenzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Methyl acetate	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Methylcyclohexane	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Methylene chloride	19	ug/kg	SW846 8260B	U	TB
SD08-7(0-6)	4-Methyl-2-pentanone	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Benzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Styrene	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	1,1,2,2-Tetrachloroethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Tetrachloroethene	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Toluene	19	ug/kg	SW846 8260B	UJ	PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-7(0-6)	1,2,4-Trichlorobenzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	1,1,1-Trichloroethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	1,1,2-Trichloroethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Trichloroethene	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	1,1,2-Trichloro-1,2,2-trifluoroethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Vinyl chloride	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Xylenes (total)	57	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Methyl tert-butyl ether	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Bromodichloromethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Bromoform	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Bromomethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	2-Butanone	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Carbon disulfide	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Carbon tetrachloride	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Chlorobenzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Dibromochloromethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	1,2-Dibromo-3-chloropropane	19	ug/kg	SW846 8260B	UJ	LC, PM
SD08-7(0-6)	Chloroethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Chloroform	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Chloromethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Cyclohexane	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	1,2-Dibromoethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	1,2-Dichlorobenzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	1,3-Dichlorobenzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	1,4-Dichlorobenzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Dichlorodifluoromethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	1,1-Dichloroethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	1,2-Dichloroethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	1,1-Dichloroethene	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	cis-1,2-Dichloroethene	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	trans-1,2-Dichloroethene	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	1,2-Dichloropropane	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	cis-1,3-Dichloropropene	19	ug/kg	SW846 8260B	UJ	PM
SD08-7(0-6)	Antimony	2.5	mg/kg	SW846 6020	J	LM, PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-7(0-6)	Arsenic	2.9	mg/kg	SW846 6020	J	MI, PM
SD08-7(0-6)	Iron	12900	mg/kg	SW846 6020	J	PM
SD08-7(0-6)	Lead	664	mg/kg	SW846 6020	J	PM
SD08-7(0-6)	Magnesium	5680	mg/kg	SW846 6020	J	PM
SD08-7(0-6)	Manganese	105	mg/kg	SW846 6020	J	PM
SD08-7(0-6)	Barium	483	mg/kg	SW846 6020	J	PM
SD08-7(0-6)	Nickel	88.5	mg/kg	SW846 6020	J	LM, PM
SD08-7(0-6)	Potassium	781	mg/kg	SW846 6020	J	PM
SD08-7(0-6)	Beryllium	0.46	mg/kg	SW846 6020	J	PM
SD08-7(0-6)	Selenium	1.6	mg/kg	SW846 6020	J	LM, PM
SD08-7(0-6)	Silver	22.7	mg/kg	SW846 6020	J	PM
SD08-7(0-6)	Sodium	586	mg/kg	SW846 6020	J	PM
SD08-7(0-6)	Thallium	0.39	mg/kg	SW846 6020	J	PM
SD08-7(0-6)	Vanadium	16.4	mg/kg	SW846 6020	J	PM
SD08-7(0-6)	Zinc	4120	mg/kg	SW846 6020	J	MI, PM
SD08-7(0-6)	Chromium	258	mg/kg	SW846 6020	J	PM
SD08-7(0-6)	Cadmium	287	mg/kg	SW846 6020	J	PM
SD08-7(0-6)	Calcium	184000	mg/kg	SW846 6020	J	LM, PM
SD08-7(0-6)	Cobalt	8.8	mg/kg	SW846 6020	J	PM
SD08-7(0-6)	Copper	352	mg/kg	SW846 6020	J	LM, PM
SD08-7(0-6)	Aluminum	10400	mg/kg	SW846 6020	J	PM
SD08-7(6-18)	Antimony	0.37	mg/kg	SW846 6020	J	LM
SD08-7(6-18)	Arsenic	3.1	mg/kg	SW846 6020	J	MI
SD08-7(6-18)	Nickel	56	mg/kg	SW846 6020	J	LM
SD08-7(6-18)	Selenium	2.2	mg/kg	SW846 6020	J	LM
SD08-7(6-18)	Zinc	742	mg/kg	SW846 6020	J	MI
SD08-7(6-18)	Calcium	20500	mg/kg	SW846 6020	J	LM
SD08-7(6-18)	Copper	99.5	mg/kg	SW846 6020	J	LM
SD08-7(6-18)	Acetone	48	ug/kg	SW846 8260B	U	TB
SD08-7(6-18)	Cyanide, Total	0.46	mg/kg	SW846 9012A	U	MB
SD08-7(6-18)	Endrin ketone	38	ug/kg	SW846 8081A	J	DL
SD08-7(6-18)	alpha-Chlordane	38	ug/kg	SW846 8081A	U	SE
SD08-7(6-18)	gamma-Chlordane	51	ug/kg	SW846 8081A	U	SE
SD08-7(6-18)	Benzaldehyde	800	ug/kg	SW846 8270C	UJ	BC

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-7(6-18)	Dibenzofuran	800	ug/kg	SW846 8270C	U	EB
SD08-7(6-18)	Diethyl phthalate	800	ug/kg	SW846 8270C	UJ	LC
SD08-7(6-18)	Atrazine	800	ug/kg	SW846 8270C	UJ	LC
SD08-7(6-18)	4-Nitrophenol	4100	ug/kg	SW846 8270C	UJ	LC
SD08-7(6-18)	Benzo(k)fluoranthene	140	ug/kg	SW846 8270C	J	DL
SD08-7(6-18)	TOC	104000	mg/kg	EPA Lloyd Kahn	J	LM
SD08-7(18-22)	Cyanide, Total	0.42	mg/kg	SW846 9012A	U	MB
SD08-7(18-22)	Dieldrin	1.1	ug/kg	SW846 8081A	U	SE
SD08-7(18-22)	gamma-BHC (Lindane)	0.37	ug/kg	SW846 8081A	U	SE
SD08-7(18-22)	alpha-Chlordane	0.27	ug/kg	SW846 8081A	U	SE
SD08-7(18-22)	Diethyl phthalate	3.4	ug/kg	SW846 8270C	J	LC, DL
SD08-7(18-22)	Indeno(1,2,3-cd)pyrene	6.4	ug/kg	SW846 8270C	J	DL
SD08-7(18-22)	Atrazine	33	ug/kg	SW846 8270C	UJ	LC
SD08-7(18-22)	4-Methylphenol	4.7	ug/kg	SW846 8270C	J	DL
SD08-7(18-22)	Naphthalene	2.8	ug/kg	SW846 8270C	J	DL
SD08-7(18-22)	4-Nitrophenol	170	ug/kg	SW846 8270C	UJ	LC
SD08-7(18-22)	Benzo(a)anthracene	3.3	ug/kg	SW846 8270C	J	DL
SD08-7(18-22)	Pyrene	5.1	ug/kg	SW846 8270C	J	DL
SD08-7(18-22)	Acetophenone	2.6	ug/kg	SW846 8270C	J	DL
SD08-7(18-22)	bis(2-Ethylhexyl) phthalate	13	ug/kg	SW846 8270C	J	DL
SD08-7(18-22)	Benzaldehyde	19	ug/kg	SW846 8270C	J	BC, HC, DL
SD08-7(18-22)	Dibenz(a,h)anthracene	2.6	ug/kg	SW846 8270C	J	DL
SD08-7(18-22)	Di-n-butyl phthalate	11	ug/kg	SW846 8270C	J	DL
SD08-7(18-22)	TOC	37300	mg/kg	EPA Lloyd Kahn	J	LM
SD08-7(18-22)	Acetone	37	ug/kg	SW846 8260B	U	TB
SD08-7(18-22)	Trichlorofluoromethane	9.2	ug/kg	SW846 8260B	UJ	LC
SD08-7(18-22)	Methylene chloride	9.2	ug/kg	SW846 8260B	U	TB
SD08-7(18-22)	1,2-Dibromo-3-chloropropane	9.2	ug/kg	SW846 8260B	UJ	LC
SD08-7(18-22)	Zinc	69.8	mg/kg	SW846 6020	J	MI
SD08-7(18-22)	Calcium	7830	mg/kg	SW846 6020	J	LM
SD08-7(18-22)	Copper	23.4	mg/kg	SW846 6020	J	LM
SD08-7(18-22)	Antimony	0.13	mg/kg	SW846 6020	U	CB, MB, EB
SD08-7(18-22)	Arsenic	1.9	mg/kg	SW846 6020	J	MI
SD08-7(18-22)	Nickel	20.2	mg/kg	SW846 6020	J	LM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-7(18-22)	Selenium	1.8	mg/kg	SW846 6020	J	LM
SD08-6(0-6)	Trichlorofluoromethane	10	ug/kg	SW846 8260B	UJ	LC
SD08-6(0-6)	1,2-Dibromo-3-chloropropane	10	ug/kg	SW846 8260B	UJ	LC
SD08-6(0-6)	Nickel	0.3	umoles/gm	EPA SEM	J	DL
SD08-6(0-6)	Silver	0.0092	umoles/gm	EPA SEM	J	DL
SD08-6(0-6)	Diethyl phthalate	670	ug/kg	SW846 8270C	UJ	LC
SD08-6(0-6)	Indeno(1,2,3-cd)pyrene	120	ug/kg	SW846 8270C	J	DL
SD08-6(0-6)	Atrazine	670	ug/kg	SW846 8270C	UJ	LC
SD08-6(0-6)	4-Nitrophenol	3500	ug/kg	SW846 8270C	UJ	LC
SD08-6(0-6)	Benzo(a)anthracene	110	ug/kg	SW846 8270C	J	DL
SD08-6(0-6)	Endrin ketone	3	ug/kg	SW846 8081A	U	SE
SD08-6(0-6)	Pyrene	130	ug/kg	SW846 8270C	J	DL
SD08-6(0-6)	Benzaldehyde	670	ug/kg	SW846 8270C	UJ	BC
SD08-6(0-6)	Chrysene	130	ug/kg	SW846 8270C	J	DL
SD08-6(0-6)	Cyanide, Total	0.34	mg/kg	SW846 9012A	U	MB
SD08-6(6-9)	Cyanide, Total	0.32	mg/kg	SW846 9012A	U	MB
SD08-6(6-9)	Acenaphthene	4.9	ug/kg	SW846 8270C	J	DL
SD08-6(6-9)	Diethyl phthalate	32	ug/kg	SW846 8270C	UJ	LC
SD08-6(6-9)	Indeno(1,2,3-cd)pyrene	2.7	ug/kg	SW846 8270C	J	DL
SD08-6(6-9)	Atrazine	32	ug/kg	SW846 8270C	UJ	LC
SD08-6(6-9)	4-Methylphenol	7.9	ug/kg	SW846 8270C	J	DL
SD08-6(6-9)	4-Nitrophenol	160	ug/kg	SW846 8270C	UJ	LC
SD08-6(6-9)	Benzo(a)anthracene	1.7	ug/kg	SW846 8270C	J	DL
SD08-6(6-9)	Benzo(k)fluoranthene	3.8	ug/kg	SW846 8270C	J	DL
SD08-6(6-9)	Benzo(ghi)perylene	2.2	ug/kg	SW846 8270C	J	DL
SD08-6(6-9)	Benzo(a)pyrene	5.3	ug/kg	SW846 8270C	J	DL
SD08-6(6-9)	Pyrene	2.2	ug/kg	SW846 8270C	J	DL
SD08-6(6-9)	bis(2-Ethylhexyl) phthalate	11	ug/kg	SW846 8270C	J	DL
SD08-6(6-9)	Benzaldehyde	7.2	ug/kg	SW846 8270C	J	BC, HC, DL
SD08-6(6-9)	Butyl benzyl phthalate	14	ug/kg	SW846 8270C	J	DL
SD08-6(6-9)	Chrysene	4.4	ug/kg	SW846 8270C	J	DL
SD08-6(6-9)	Dibenzofuran	32	ug/kg	SW846 8270C	U	EB
SD08-6(6-9)	Di-n-butyl phthalate	18	ug/kg	SW846 8270C	J	DL
SD08-6(6-9)	Dieldrin	1.4	ug/kg	SW846 8081A	J	DL

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-6(6-9)	Endosulfan II	1.1	ug/kg	SW846 8081A	U	SE
SD08-6(6-9)	Aldrin	0.72	ug/kg	SW846 8081A	J	DL
SD08-6(6-9)	Acetone	30	ug/kg	SW846 8260B	U	TB
SD08-6(6-9)	Trichlorofluoromethane	7.5	ug/kg	SW846 8260B	UJ	LC
SD08-6(6-9)	1,2-Dibromo-3-chloropropane	7.5	ug/kg	SW846 8260B	UJ	LC
SD08-6(6-9)	Antimony	0.089	mg/kg	SW846 6020	U	CB, MB, EB
SD08-4(0-6)	Cyanide, Total	1.2	mg/kg	SW846 9012A	U	MB
SD08-4(0-6)	Mercury	0.99	mg/kg	SW846 7471A	J	PM
SD08-4(0-6)	alpha-Chlordane	150	ug/kg	SW846 8081A	UJ	PM
SD08-4(0-6)	gamma-Chlordane	42	ug/kg	SW846 8081A	U	SE
SD08-4(0-6)	Aldrin	150	ug/kg	SW846 8081A	UJ	PM
SD08-4(0-6)	4,4'-DDD	150	ug/kg	SW846 8081A	UJ	PM
SD08-4(0-6)	4,4'-DDE	150	ug/kg	SW846 8081A	UJ	PM
SD08-4(0-6)	4,4'-DDT	150	ug/kg	SW846 8081A	UJ	PM
SD08-4(0-6)	Dieldrin	150	ug/kg	SW846 8081A	UJ	PM
SD08-4(0-6)	Endosulfan I	150	ug/kg	SW846 8081A	UJ	PM
SD08-4(0-6)	Endosulfan II	150	ug/kg	SW846 8081A	UJ	PM
SD08-4(0-6)	Endosulfan sulfate	150	ug/kg	SW846 8081A	UJ	PM
SD08-4(0-6)	Endrin	150	ug/kg	SW846 8081A	UJ	PM
SD08-4(0-6)	Endrin aldehyde	150	ug/kg	SW846 8081A	UJ	PM
SD08-4(0-6)	Endrin ketone	150	ug/kg	SW846 8081A	UJ	PM
SD08-4(0-6)	Heptachlor	150	ug/kg	SW846 8081A	UJ	PM
SD08-4(0-6)	Heptachlor epoxide	150	ug/kg	SW846 8081A	UJ	PM
SD08-4(0-6)	Methoxychlor	290	ug/kg	SW846 8081A	UJ	PM
SD08-4(0-6)	alpha-BHC	150	ug/kg	SW846 8081A	UJ	PM
SD08-4(0-6)	beta-BHC	150	ug/kg	SW846 8081A	UJ	PM
SD08-4(0-6)	delta-BHC	150	ug/kg	SW846 8081A	UJ	PM
SD08-4(0-6)	gamma-BHC (Lindane)	150	ug/kg	SW846 8081A	UJ	PM
SD08-4(0-6)	Toxaphene	6000	ug/kg	SW846 8081A	UJ	PM
SD08-4(0-6)	Aroclor 1016	30	ug/kg	SW846 8082	UJ	PM
SD08-4(0-6)	Aroclor 1221	30	ug/kg	SW846 8082	UJ	PM
SD08-4(0-6)	Aroclor 1232	30	ug/kg	SW846 8082	UJ	PM
SD08-4(0-6)	Aroclor 1242	30	ug/kg	SW846 8082	UJ	PM
SD08-4(0-6)	Aroclor 1248	30	ug/kg	SW846 8082	UJ	PM

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E150368

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-4(0-6)	Aroclor 1254	1500	ug/kg	SW846 8082	J	PM
SD08-4(0-6)	Aroclor 1260	30	ug/kg	SW846 8082	UJ	PM
SD08-4(0-6)	Acenaphthene	240	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	Diethyl phthalate	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	2,4-Dimethylphenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	Dimethyl phthalate	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	Di-n-octyl phthalate	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	4,6-Dinitro-2-methylphenol	6100	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	2,4-Dinitrophenol	6100	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	2,4-Dinitrotoluene	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	2,6-Dinitrotoluene	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	Anthracene	350	ug/kg	SW846 8270C	J	PM
SD08-4(0-6)	Fluoranthene	1600	ug/kg	SW846 8270C	J	PM
SD08-4(0-6)	Fluorene	240	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	Hexachlorobenzene	240	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	Hexachlorobutadiene	240	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	Hexachlorocyclopentadiene	1200	ug/kg	SW846 8270C	UJ	LC, PM
SD08-4(0-6)	Hexachloroethane	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	Indeno(1,2,3-cd)pyrene	490	ug/kg	SW846 8270C	J	PM
SD08-4(0-6)	Isophorone	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	Atrazine	1200	ug/kg	SW846 8270C	UJ	LC, PM
SD08-4(0-6)	2-Methylnaphthalene	240	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	2-Methylphenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	4-Methylphenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	Naphthalene	240	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	2-Nitroaniline	6100	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	3-Nitroaniline	6100	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	4-Nitroaniline	6100	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	Nitrobenzene	240	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	2-Nitrophenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	4-Nitrophenol	6100	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	Benzo(a)anthracene	430	ug/kg	SW846 8270C	J	PM
SD08-4(0-6)	N-Nitrosodi-n-propylamine	240	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	N-Nitrosodiphenylamine	240	ug/kg	SW846 8270C	UJ	PM

TABLE 2
Data Validation Qualifiers
Koppers Pond
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-4(0-6)	Benzo(b)fluoranthene	1000	ug/kg	SW846 8270C	J	PM
SD08-4(0-6)	Benzo(k)fluoranthene	330	ug/kg	SW846 8270C	J	PM
SD08-4(0-6)	Benzo(ghi)perylene	670	ug/kg	SW846 8270C	J	PM
SD08-4(0-6)	Benzo(a)pyrene	760	ug/kg	SW846 8270C	J	PM
SD08-4(0-6)	Pentachlorophenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	Phenanthrene	490	ug/kg	SW846 8270C	J	PM
SD08-4(0-6)	Phenol	240	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	Pyrene	850	ug/kg	SW846 8270C	J	PM
SD08-4(0-6)	Acetophenone	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	2,4,5-Trichlorophenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	2,4,6-Trichlorophenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	Carbazole	240	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	bis(2-Chloroethoxy)methane	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	bis(2-Chloroethyl) ether	240	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	bis(2-Ethylhexyl) phthalate	890	ug/kg	SW846 8270C	J	DL, PM
SD08-4(0-6)	Benzaldehyde	1200	ug/kg	SW846 8270C	UJ	BC, PM
SD08-4(0-6)	1,1'-Biphenyl	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	4-Bromophenyl phenyl ether	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	2,2'-oxybis(1-Chloropropane)	240	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	Butyl benzyl phthalate	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	Acenaphthylene	240	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	Caprolactam	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	4-Chloroaniline	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	4-Chloro-3-methylphenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	2-Chloronaphthalene	240	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	2-Chlorophenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	4-Chlorophenyl phenyl ether	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	Chrysene	800	ug/kg	SW846 8270C	J	PM
SD08-4(0-6)	Dibenz(a,h)anthracene	160	ug/kg	SW846 8270C	J	DL, PM
SD08-4(0-6)	Dibenzofuran	1200	ug/kg	SW846 8270C	U	EB
SD08-4(0-6)	Di-n-butyl phthalate	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	3,3'-Dichlorobenzidine	1200	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	2,4-Dichlorophenol	240	ug/kg	SW846 8270C	UJ	PM
SD08-4(0-6)	TOC	36000	mg/kg	EPA Lloyd Kahn	J	PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-4(0-6)	Antimony	4.6	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Arsenic	3.6	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Iron	13100	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Lead	1010	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Magnesium	5970	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Manganese	126	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Barium	561	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Nickel	157	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Potassium	809	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Beryllium	0.46	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Selenium	2	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Silver	34.6	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Sodium	613	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Thallium	0.42	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Vanadium	23.5	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Chromium	400	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Cadmium	553	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Calcium	189000	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Cobalt	11.9	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Copper	657	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Aluminum	10100	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Zinc	8780	mg/kg	SW846 6020	J	PM
SD08-4(0-6)	Acid Volatile Sulfide	21.4	umoles/gm	EPA AVS	J	PM
SD08-4(0-6)	trans-1,3-Dichloropropene	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Acetone	72	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Ethylbenzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Trichlorofluoromethane	18	ug/kg	SW846 8260B	UJ	LC, PM
SD08-4(0-6)	2-Hexanone	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Isopropylbenzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Methyl acetate	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Methylcyclohexane	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Methylene chloride	18	ug/kg	SW846 8260B	U	TB
SD08-4(0-6)	4-Methyl-2-pentanone	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Benzene	18	ug/kg	SW846 8260B	UJ	PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-4(0-6)	Styrene	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	1,1,2,2-Tetrachloroethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Tetrachloroethene	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Toluene	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	1,2,4-Trichlorobenzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	1,1,1-Trichloroethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	1,1,2-Trichloroethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Trichloroethene	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	1,1,2-Trichloro-1,2,2-trifluoroethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Vinyl chloride	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Xylenes (total)	54	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Mercury	0.00022	umoles/gm	EPA SEM	UJ	PM
SD08-4(0-6)	Arsenic	0.6	umoles/gm	EPA SEM	UJ	PM
SD08-4(0-6)	Lead	5.5	umoles/gm	EPA SEM	J	PM
SD08-4(0-6)	Nickel	1.8	umoles/gm	EPA SEM	J	PM, LM, DL
SD08-4(0-6)	Silver	0.11	umoles/gm	EPA SEM	J	PM, DL
SD08-4(0-6)	Zinc	17	umoles/gm	EPA SEM	J	PM
SD08-4(0-6)	Chromium	5.3	umoles/gm	EPA SEM	J	PM
SD08-4(0-6)	Cadmium	0.6	umoles/gm	EPA SEM	J	PM
SD08-4(0-6)	Copper	6.7	umoles/gm	EPA SEM	J	PM
SD08-4(0-6)	Methyl tert-butyl ether	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Bromodichloromethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Bromoform	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Bromomethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	2-Butanone	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Carbon disulfide	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Carbon tetrachloride	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Chlorobenzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Dibromochloromethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	1,2-Dibromo-3-chloropropane	18	ug/kg	SW846 8260B	UJ	LC, PM
SD08-4(0-6)	Chloroethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Chloroform	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Chloromethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Cyclohexane	18	ug/kg	SW846 8260B	UJ	PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-4(0-6)	1,2-Dibromoethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	1,2-Dichlorobenzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	1,3-Dichlorobenzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	1,4-Dichlorobenzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	Dichlorodifluoromethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	1,1-Dichloroethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	1,2-Dichloroethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	1,1-Dichloroethene	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	cis-1,2-Dichloroethene	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	trans-1,2-Dichloroethene	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	1,2-Dichloropropane	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(0-6)	cis-1,3-Dichloropropene	18	ug/kg	SW846 8260B	UJ	PM
SD08-4(6-18)	Cyanide, Total	0.61	mg/kg	SW846 9012A	U	MB
SD08-4(6-18)	Dieldrin	26	ug/kg	SW846 8081A	U	SE
SD08-4(6-18)	Endosulfan sulfate	16	ug/kg	SW846 8081A	U	SE
SD08-4(6-18)	Endrin ketone	35	ug/kg	SW846 8081A	U	SE
SD08-4(6-18)	Acenaphthene	57	ug/kg	SW846 8270C	J	DL
SD08-4(6-18)	Hexachlorocyclopentadiene	330	ug/kg	SW846 8270C	UJ	LC
SD08-4(6-18)	Atrazine	330	ug/kg	SW846 8270C	UJ	LC
SD08-4(6-18)	2-Methylnaphthalene	32	ug/kg	SW846 8270C	J	DL
SD08-4(6-18)	Naphthalene	30	ug/kg	SW846 8270C	J	DL
SD08-4(6-18)	Benzo(a)anthracene	61	ug/kg	SW846 8270C	J	DL
SD08-4(6-18)	Benzo(k)fluoranthene	30	ug/kg	SW846 8270C	J	DL
SD08-4(6-18)	bis(2-Ethylhexyl) phthalate	110	ug/kg	SW846 8270C	J	DL
SD08-4(6-18)	Benzaldehyde	330	ug/kg	SW846 8270C	UJ	BC
SD08-4(6-18)	Dibenzofuran	330	ug/kg	SW846 8270C	U	EB
SD08-4(6-18)	alpha-Chlordane	75	ug/kg	SW846 8081A	U	SE
SD08-4(6-18)	gamma-Chlordane	120	ug/kg	SW846 8081A	U	SE
SD08-4(6-18)	Acetone	36	ug/kg	SW846 8260B	U	TB
SD08-4(6-18)	Trichlorofluoromethane	9	ug/kg	SW846 8260B	UJ	LC
SD08-4(6-18)	1,2-Dibromo-3-chloropropane	9	ug/kg	SW846 8260B	UJ	LC
SD08-4(18-20)	Acetone	51	ug/kg	SW846 8260B	U	TB
SD08-4(18-20)	Trichlorofluoromethane	13	ug/kg	SW846 8260B	UJ	LC
SD08-4(18-20)	1,2-Dibromo-3-chloropropane	13	ug/kg	SW846 8260B	UJ	LC

TABLE 2
Data Validation Qualifiers
Koppers Pond
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-4(18-20)	Aroclor 1254	680	ug/kg	SW846 8082	J	HS
SD08-4(18-20)	Hexachlorocyclopentadiene	420	ug/kg	SW846 8270C	UJ	LC
SD08-4(18-20)	Indeno(1,2,3-cd)pyrene	54	ug/kg	SW846 8270C	J	DL
SD08-4(18-20)	Atrazine	420	ug/kg	SW846 8270C	UJ	LC
SD08-4(18-20)	Benzo(a)anthracene	50	ug/kg	SW846 8270C	J	DL
SD08-4(18-20)	Benzo(k)fluoranthene	20	ug/kg	SW846 8270C	J	DL
SD08-4(18-20)	Benzo(ghi)perylene	55	ug/kg	SW846 8270C	J	DL
SD08-4(18-20)	Benzo(a)pyrene	80	ug/kg	SW846 8270C	J	DL
SD08-4(18-20)	Pyrene	65	ug/kg	SW846 8270C	J	DL
SD08-4(18-20)	Benzaldehyde	420	ug/kg	SW846 8270C	UJ	BC
SD08-4(18-20)	Chrysene	60	ug/kg	SW846 8270C	J	DL
SD08-4(18-20)	Dibenz(a,h)anthracene	35	ug/kg	SW846 8270C	J	DL
SD08-4(18-20)	Dibenzofuran	420	ug/kg	SW846 8270C	U	EB
SD08-4(18-20)	gamma-Chlordane	19	ug/kg	SW846 8081A	U	SE
SD08-4(18-20)	Cyanide, Total	0.54	mg/kg	SW846 9012A	U	MB
SD08-3(0-6)	Mercury	0.73	mg/kg	SW846 7471A	J	PM
SD08-3(0-6)	Cyanide, Total	0.9	mg/kg	SW846 9012A	U	MB
SD08-3(0-6)	4-Chloroaniline	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	4-Chloro-3-methylphenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	2-Chloronaphthalene	250	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	2-Chlorophenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	4-Chlorophenyl phenyl ether	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	Chrysene	1600	ug/kg	SW846 8270C	J	PM
SD08-3(0-6)	Dibenz(a,h)anthracene	300	ug/kg	SW846 8270C	J	PM
SD08-3(0-6)	Dibenzofuran	1200	ug/kg	SW846 8270C	U	EB
SD08-3(0-6)	Di-n-butyl phthalate	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	3,3'-Dichlorobenzidine	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	2,4-Dichlorophenol	250	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	Acenaphthene	230	ug/kg	SW846 8270C	J	DL, PM
SD08-3(0-6)	Diethyl phthalate	1200	ug/kg	SW846 8270C	UJ	LC, PM
SD08-3(0-6)	2,4-Dimethylphenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	Dimethyl phthalate	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	Di-n-octyl phthalate	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	4,6-Dinitro-2-methylphenol	6400	ug/kg	SW846 8270C	UJ	PM

TABLE 2
Data Validation Qualifiers
Koppers Pond
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-3(0-6)	2,4-Dinitrophenol	6400	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	2,4-Dinitrotoluene	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	2,6-Dinitrotoluene	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	Anthracene	450	ug/kg	SW846 8270C	J	PM
SD08-3(0-6)	Fluoranthene	2600	ug/kg	SW846 8270C	J	PM
SD08-3(0-6)	Fluorene	250	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	Hexachlorobenzene	250	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	Hexachlorobutadiene	250	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	Hexachlorocyclopentadiene	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	Hexachloroethane	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	Indeno(1,2,3-cd)pyrene	1100	ug/kg	SW846 8270C	J	PM
SD08-3(0-6)	Isophorone	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	Atrazine	1200	ug/kg	SW846 8270C	UJ	LC, PM
SD08-3(0-6)	2-Methylnaphthalene	250	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	2-Methylphenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	4-Methylphenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	Naphthalene	250	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	2-Nitroaniline	6400	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	3-Nitroaniline	6400	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	4-Nitroaniline	6400	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	Nitrobenzene	250	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	2-Nitrophenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	4-Nitrophenol	6400	ug/kg	SW846 8270C	UJ	LC, PM
SD08-3(0-6)	Benzo(a)anthracene	1000	ug/kg	SW846 8270C	J	PM
SD08-3(0-6)	N-Nitrosodi-n-propylamine	250	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	N-Nitrosodiphenylamine	250	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	Benzo(b)fluoranthene	2000	ug/kg	SW846 8270C	J	PM
SD08-3(0-6)	Benzo(k)fluoranthene	920	ug/kg	SW846 8270C	J	PM
SD08-3(0-6)	Benzo(ghi)perylene	1200	ug/kg	SW846 8270C	J	PM
SD08-3(0-6)	Benzo(a)pyrene	1400	ug/kg	SW846 8270C	J	PM
SD08-3(0-6)	Pentachlorophenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	Phenanthrene	970	ug/kg	SW846 8270C	J	PM
SD08-3(0-6)	Phenol	250	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	Pyrene	1800	ug/kg	SW846 8270C	J	PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-3(0-6)	Acetophenone	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	2,4,5-Trichlorophenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	2,4,6-Trichlorophenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	Carbazole	440	ug/kg	SW846 8270C	J	PM
SD08-3(0-6)	bis(2-Chloroethoxy)methane	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	bis(2-Chloroethyl) ether	250	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	bis(2-Ethylhexyl) phthalate	1400	ug/kg	SW846 8270C	J	PM
SD08-3(0-6)	Benzaldehyde	1200	ug/kg	SW846 8270C	UJ	BC, PM
SD08-3(0-6)	1,1'-Biphenyl	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	4-Bromophenyl phenyl ether	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	2,2'-oxybis(1-Chloropropane)	250	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	Butyl benzyl phthalate	110	ug/kg	SW846 8270C	J	DL, PM
SD08-3(0-6)	Acenaphthylene	310	ug/kg	SW846 8270C	J	PM
SD08-3(0-6)	Caprolactam	1200	ug/kg	SW846 8270C	UJ	PM
SD08-3(0-6)	Aroclor 1016	31	ug/kg	SW846 8082	UJ	PM
SD08-3(0-6)	Aroclor 1221	31	ug/kg	SW846 8082	UJ	PM
SD08-3(0-6)	Aroclor 1232	31	ug/kg	SW846 8082	UJ	PM
SD08-3(0-6)	Aroclor 1242	31	ug/kg	SW846 8082	UJ	PM
SD08-3(0-6)	Aroclor 1248	31	ug/kg	SW846 8082	UJ	PM
SD08-3(0-6)	Aroclor 1254	1300	ug/kg	SW846 8082	J	PM
SD08-3(0-6)	Aroclor 1260	31	ug/kg	SW846 8082	UJ	PM
SD08-3(0-6)	Dieldrin	160	ug/kg	SW846 8081A	UJ	PM
SD08-3(0-6)	Endosulfan I	160	ug/kg	SW846 8081A	UJ	PM
SD08-3(0-6)	Endosulfan II	160	ug/kg	SW846 8081A	UJ	PM
SD08-3(0-6)	Endosulfan sulfate	160	ug/kg	SW846 8081A	UJ	PM
SD08-3(0-6)	Endrin	160	ug/kg	SW846 8081A	UJ	PM
SD08-3(0-6)	Endrin aldehyde	160	ug/kg	SW846 8081A	UJ	PM
SD08-3(0-6)	Endrin ketone	160	ug/kg	SW846 8081A	UJ	PM
SD08-3(0-6)	Heptachlor	160	ug/kg	SW846 8081A	UJ	PM
SD08-3(0-6)	Heptachlor epoxide	160	ug/kg	SW846 8081A	UJ	PM
SD08-3(0-6)	Methoxychlor	310	ug/kg	SW846 8081A	UJ	PM
SD08-3(0-6)	alpha-BHC	160	ug/kg	SW846 8081A	UJ	PM
SD08-3(0-6)	beta-BHC	160	ug/kg	SW846 8081A	UJ	PM
SD08-3(0-6)	delta-BHC	160	ug/kg	SW846 8081A	UJ	PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-3(0-6)	gamma-BHC (Lindane)	160	ug/kg	SW846 8081A	UJ	PM
SD08-3(0-6)	Toxaphene	6300	ug/kg	SW846 8081A	UJ	PM
SD08-3(0-6)	alpha-Chlordane	160	ug/kg	SW846 8081A	UJ	PM
SD08-3(0-6)	gamma-Chlordane	28	ug/kg	SW846 8081A	U	SE
SD08-3(0-6)	Aldrin	160	ug/kg	SW846 8081A	UJ	PM
SD08-3(0-6)	4,4'-DDD	160	ug/kg	SW846 8081A	UJ	PM
SD08-3(0-6)	4,4'-DDE	160	ug/kg	SW846 8081A	UJ	PM
SD08-3(0-6)	4,4'-DDT	160	ug/kg	SW846 8081A	UJ	PM
SD08-3(0-6)	TOC	83600	mg/kg	EPA Lloyd Kahn	J	PM
SD08-3(0-6)	Arsenic	1.3	umoles/gm	EPA SEM	UJ	PM
SD08-3(0-6)	Lead	7.8	umoles/gm	EPA SEM	J	PM
SD08-3(0-6)	Nickel	1.9	umoles/gm	EPA SEM	J	PM, DL
SD08-3(0-6)	Acid Volatile Sulfide	24.5	umoles/gm	EPA AVS	J	PM
SD08-3(0-6)	trans-1,3-Dichloropropene	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Silver	0.19	umoles/gm	EPA SEM	J	PM, DL
SD08-3(0-6)	Zinc	24.6	umoles/gm	EPA SEM	J	PM
SD08-3(0-6)	Chromium	6.1	umoles/gm	EPA SEM	J	PM
SD08-3(0-6)	Cadmium	0.86	umoles/gm	EPA SEM	J	PM
SD08-3(0-6)	Copper	7.9	umoles/gm	EPA SEM	J	PM
SD08-3(0-6)	Acetone	76	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Ethylbenzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Trichlorofluoromethane	19	ug/kg	SW846 8260B	UJ	LC, PM
SD08-3(0-6)	2-Hexanone	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Isopropylbenzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Methyl acetate	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Methylcyclohexane	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Methylene chloride	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	4-Methyl-2-pentanone	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Benzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Styrene	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	1,1,2,2-Tetrachloroethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Tetrachloroethene	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Toluene	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	1,2,4-Trichlorobenzene	19	ug/kg	SW846 8260B	UJ	PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-3(0-6)	1,1,1-Trichloroethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	1,1,2-Trichloroethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Trichloroethene	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	1,1,2-Trichloro-1,2,2-trifluoroethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Vinyl chloride	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Xylenes (total)	57	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Methyl tert-butyl ether	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Bromodichloromethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Bromoform	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Bromomethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	2-Butanone	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Carbon disulfide	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Carbon tetrachloride	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Chlorobenzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Dibromochloromethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	1,2-Dibromo-3-chloropropane	19	ug/kg	SW846 8260B	UJ	LC, PM
SD08-3(0-6)	Chloroethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Chloroform	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Chloromethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Cyclohexane	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	1,2-Dibromoethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	1,2-Dichlorobenzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	1,3-Dichlorobenzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	1,4-Dichlorobenzene	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Dichlorodifluoromethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	1,1-Dichloroethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	1,2-Dichloroethane	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	1,1-Dichloroethene	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	cis-1,2-Dichloroethene	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	trans-1,2-Dichloroethene	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	1,2-Dichloropropane	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	cis-1,3-Dichloropropene	19	ug/kg	SW846 8260B	UJ	PM
SD08-3(0-6)	Mercury	0.000026	umoles/gm	EPA SEM	J	PM, DL
SD08-3(0-6)	Antimony	5.1	mg/kg	SW846 6020	J	PM

TABLE 2
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-3(0-6)	Arsenic	3.1	mg/kg	SW846 6020	J	PM
SD08-3(0-6)	Iron	12900	mg/kg	SW846 6020	J	PM
SD08-3(0-6)	Lead	1580	mg/kg	SW846 6020	J	PM
SD08-3(0-6)	Magnesium	5770	mg/kg	SW846 6020	J	PM
SD08-3(0-6)	Manganese	105	mg/kg	SW846 6020	J	PM
SD08-3(0-6)	Barium	596	mg/kg	SW846 6020	J	PM
SD08-3(0-6)	Nickel	122	mg/kg	SW846 6020	J	PM
SD08-3(0-6)	Potassium	988	mg/kg	SW846 6020	J	PM
SD08-3(0-6)	Beryllium	0.4	mg/kg	SW846 6020	J	PM
SD08-3(0-6)	Selenium	1.9	mg/kg	SW846 6020	J	PM
SD08-3(0-6)	Silver	44.5	mg/kg	SW846 6020	J	PM
SD08-3(0-6)	Sodium	668	mg/kg	SW846 6020	J	PM
SD08-3(0-6)	Thallium	0.42	mg/kg	SW846 6020	J	PM
SD08-3(0-6)	Vanadium	21.4	mg/kg	SW846 6020	J	PM
SD08-3(0-6)	Chromium	441	mg/kg	SW846 6020	J	PM
SD08-3(0-6)	Cadmium	535	mg/kg	SW846 6020	J	PM
SD08-3(0-6)	Calcium	163000	mg/kg	SW846 6020	J	PM
SD08-3(0-6)	Cobalt	9.8	mg/kg	SW846 6020	J	PM
SD08-3(0-6)	Copper	657	mg/kg	SW846 6020	J	PM
SD08-3(0-6)	Aluminum	11200	mg/kg	SW846 6020	J	PM
SD08-3(0-6)	Zinc	9330	mg/kg	SW846 6020	J	PM
SD08-3(6-18)	Trichlorofluoromethane	13	ug/kg	SW846 8260B	UJ	LC
SD08-3(6-18)	1,2-Dibromo-3-chloropropane	13	ug/kg	SW846 8260B	UJ	LC
SD08-3(6-18)	Acenaphthene	140	ug/kg	SW846 8270C	J	DL
SD08-3(6-18)	Hexachlorocyclopentadiene	860	ug/kg	SW846 8270C	UJ	LC
SD08-3(6-18)	Atrazine	860	ug/kg	SW846 8270C	UJ	LC
SD08-3(6-18)	bis(2-Ethylhexyl) phthalate	800	ug/kg	SW846 8270C	J	DL
SD08-3(6-18)	Benzaldehyde	860	ug/kg	SW846 8270C	UJ	BC
SD08-3(6-18)	Butyl benzyl phthalate	84	ug/kg	SW846 8270C	J	DL
SD08-3(6-18)	Dibenz(a,h)anthracene	96	ug/kg	SW846 8270C	J	DL
SD08-3(6-18)	Dibenzofuran	860	ug/kg	SW846 8270C	U	EB
SD08-3(6-18)	Endosulfan sulfate	27	ug/kg	SW846 8081A	U	SE
SD08-3(6-18)	Endrin ketone	43	ug/kg	SW846 8081A	U	SE
SD08-3(6-18)	gamma-Chlordane	140	ug/kg	SW846 8081A	U	SE

TABLE 2
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-3(6-18)	Cyanide, Total	0.78	mg/kg	SW846 9012A	U	MB
SD08-3(18-25)	Cyanide, Total	0.77	mg/kg	SW846 9012A	U	MB
SD08-3(18-25)	Hexachlorocyclopentadiene	420	ug/kg	SW846 8270C	UJ	LC
SD08-3(18-25)	Indeno(1,2,3-cd)pyrene	40	ug/kg	SW846 8270C	J	DL
SD08-3(18-25)	Atrazine	420	ug/kg	SW846 8270C	UJ	LC
SD08-3(18-25)	Benzo(a)anthracene	44	ug/kg	SW846 8270C	J	DL
SD08-3(18-25)	Pyrene	52	ug/kg	SW846 8270C	J	DL
SD08-3(18-25)	bis(2-Ethylhexyl) phthalate	74	ug/kg	SW846 8270C	J	DL
SD08-3(18-25)	Benzaldehyde	420	ug/kg	SW846 8270C	UJ	BC
SD08-3(18-25)	Chrysene	38	ug/kg	SW846 8270C	J	DL
SD08-3(18-25)	Dibenzofuran	420	ug/kg	SW846 8270C	U	EB
SD08-3(18-25)	Dieldrin	78	ug/kg	SW846 8081A	U	SE
SD08-3(18-25)	Endosulfan sulfate	19	ug/kg	SW846 8081A	U	SE
SD08-3(18-25)	alpha-Chlordane	65	ug/kg	SW846 8081A	U	SE
SD08-3(18-25)	gamma-Chlordane	160	ug/kg	SW846 8081A	U	SE
SD08-3(18-25)	Endrin ketone	25	ug/kg	SW846 8081A	U	SE
SD08-3(18-25)	Heptachlor	7.2	ug/kg	SW846 8081A	U	SE
SD08-3(18-25)	Methylene chloride	13	ug/kg	SW846 8260B	U	TB
SD08-3(18-25)	Bromoform	13	ug/kg	SW846 8260B	UJ	LC
SD08-3(18-25)	2-Butanone	13	ug/kg	SW846 8260B	UJ	LC
SD08-3(18-25)	1,2-Dibromo-3-chloropropane	13	ug/kg	SW846 8260B	UJ	LC
SD08-3(18-25)	Acetone	51	ug/kg	SW846 8260B	U	TB
SD08-3(25-29)	Acetone	58	ug/kg	SW846 8260B	U	TB
SD08-3(25-29)	Trichlorofluoromethane	15	ug/kg	SW846 8260B	UJ	LC
SD08-3(25-29)	Methylene chloride	15	ug/kg	SW846 8260B	U	TB
SD08-3(25-29)	4-Methyl-2-pentanone	15	ug/kg	SW846 8260B	UJ	LC
SD08-3(25-29)	Bromoform	15	ug/kg	SW846 8260B	UJ	LC
SD08-3(25-29)	2-Butanone	15	ug/kg	SW846 8260B	UJ	LC
SD08-3(25-29)	1,2-Dibromo-3-chloropropane	15	ug/kg	SW846 8260B	UJ	LC
SD08-3(25-29)	Dieldrin	110	ug/kg	SW846 8081A	U	SE
SD08-3(25-29)	Endosulfan sulfate	28	ug/kg	SW846 8081A	U	SE
SD08-3(25-29)	Endrin ketone	38	ug/kg	SW846 8081A	U	SE
SD08-3(25-29)	Heptachlor epoxide	23	ug/kg	SW846 8081A	U	SE
SD08-3(25-29)	delta-BHC	6.5	ug/kg	SW846 8081A	U	SE

TABLE 2
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-3(25-29)	gamma-Chlordane	310	ug/kg	SW846 8081A	U	SE
SD08-3(25-29)	Hexachlorocyclopentadiene	960	ug/kg	SW846 8270C	UJ	LC
SD08-3(25-29)	Indeno(1,2,3-cd)pyrene	120	ug/kg	SW846 8270C	J	DL
SD08-3(25-29)	Atrazine	960	ug/kg	SW846 8270C	UJ	LC
SD08-3(25-29)	Benzo(a)anthracene	110	ug/kg	SW846 8270C	J	DL
SD08-3(25-29)	Benzo(k)fluoranthene	63	ug/kg	SW846 8270C	J	DL
SD08-3(25-29)	Benzo(ghi)perylene	110	ug/kg	SW846 8270C	J	DL
SD08-3(25-29)	Pyrene	170	ug/kg	SW846 8270C	J	DL
SD08-3(25-29)	bis(2-Ethylhexyl) phthalate	250	ug/kg	SW846 8270C	J	DL
SD08-3(25-29)	Benzaldehyde	960	ug/kg	SW846 8270C	UJ	BC
SD08-3(25-29)	Chrysene	120	ug/kg	SW846 8270C	J	DL
SD08-3(25-29)	Cyanide, Total	0.42	mg/kg	SW846 9012A	U	MB
SD08-30(0-6)	Trichlorofluoromethane	6.6	ug/kg	SW846 8260B	UJ	LC
SD08-30(0-6)	4-Methyl-2-pentanone	6.6	ug/kg	SW846 8260B	UJ	LC
SD08-30(0-6)	1,2-Dibromo-3-chloropropane	6.6	ug/kg	SW846 8260B	UJ	LC
SD08-30(0-6)	Cyanide, Total	0.48	mg/kg	SW846 9012A	U	MB
SD08-30(0-6)	Hexachlorocyclopentadiene	330	ug/kg	SW846 8270C	UJ	LC
SD08-30(0-6)	Benzo(k)fluoranthene	60	ug/kg	SW846 8270C	J	DL
SD08-30(0-6)	Benzaldehyde	330	ug/kg	SW846 8270C	UJ	BC
SD08-30(0-6)	Endosulfan I	13	ug/kg	SW846 8081A	U	SE
SD08-30(0-6)	Endrin ketone	21	ug/kg	SW846 8081A	U	SE
SD08-30(0-6)	Heptachlor	30	ug/kg	SW846 8081A	U	SE
SD08-30(0-6)	Methoxychlor	75	ug/kg	SW846 8081A	U	SE
SD08-30(0-6)	Aldrin	230	ug/kg	SW846 8081A	U	SE
SD08-30(0-6)	4,4'-DDD	29	ug/kg	SW846 8081A	U	SE
SD08-2(0-6)	gamma-Chlordane	21	ug/kg	SW846 8081A	U	SE
SD08-2(0-6)	Hexachlorocyclopentadiene	960	ug/kg	SW846 8270C	UJ	LC
SD08-2(0-6)	Benzaldehyde	960	ug/kg	SW846 8270C	UJ	BC
SD08-2(0-6)	Dibenzofuran	960	ug/kg	SW846 8270C	U	EB
SD08-2(0-6)	Antimony	3.3	mg/kg	SW846 6020	J	LM, MI
SD08-2(0-6)	Beryllium	0.4	mg/kg	SW846 6020	J	MI
SD08-2(0-6)	Nickel	0.87	umoles/gm	EPA SEM	J	DL
SD08-2(0-6)	Silver	0.041	umoles/gm	EPA SEM	J	DL
SD08-2(0-6)	Trichlorofluoromethane	14	ug/kg	SW846 8260B	UJ	LC

TABLE 2
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-2(0-6)	1,2-Dibromo-3-chloropropane	14	ug/kg	SW846 8260B	UJ	LC
SD08-2(6-18)	Acetone	51	ug/kg	SW846 8260B	U	TB
SD08-2(6-18)	Ethylbenzene	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Trichlorofluoromethane	13	ug/kg	SW846 8260B	UJ	HT, LC
SD08-2(6-18)	2-Hexanone	13	ug/kg	SW846 8260B	UJ	HT, LC
SD08-2(6-18)	Isopropylbenzene	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Methyl acetate	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Methylcyclohexane	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Methylene chloride	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	4-Methyl-2-pentanone	13	ug/kg	SW846 8260B	UJ	HT, LC
SD08-2(6-18)	Benzene	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Styrene	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	1,1,2,2-Tetrachloroethane	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Tetrachloroethene	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Toluene	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	1,2,4-Trichlorobenzene	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	1,1,1-Trichloroethane	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	1,1,2-Trichloroethane	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Trichloroethene	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	1,1,2-Trichloro-1,2,2-trifluoroethane	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Vinyl chloride	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Xylenes (total)	39	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Methyl tert-butyl ether	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Bromodichloromethane	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Bromoform	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Bromomethane	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	2-Butanone	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Carbon disulfide	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Carbon tetrachloride	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	trans-1,3-Dichloropropene	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Chlorobenzene	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Dibromochloromethane	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	1,2-Dibromo-3-chloropropane	13	ug/kg	SW846 8260B	UJ	HT, LC
SD08-2(6-18)	Chloroethane	13	ug/kg	SW846 8260B	UJ	HT

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-2(6-18)	Chloroform	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Chloromethane	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Cyclohexane	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	1,2-Dibromoethane	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	1,2-Dichlorobenzene	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	1,3-Dichlorobenzene	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	1,4-Dichlorobenzene	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Dichlorodifluoromethane	13	ug/kg	SW846 8260B	UJ	HT, LC
SD08-2(6-18)	1,1-Dichloroethane	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	1,2-Dichloroethane	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	1,1-Dichloroethene	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	cis-1,2-Dichloroethene	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	trans-1,2-Dichloroethene	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	1,2-Dichloropropane	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	cis-1,3-Dichloropropene	13	ug/kg	SW846 8260B	UJ	HT
SD08-2(6-18)	Antimony	1.4	mg/kg	SW846 6020	J	LM, MI
SD08-2(6-18)	Potassium	448	mg/kg	SW846 6020	J	FD
SD08-2(6-18)	Beryllium	0.4	mg/kg	SW846 6020	J	MI
SD08-2(6-18)	Vanadium	24.9	mg/kg	SW846 6020	J	FD
SD08-2(6-18)	Mercury	3	mg/kg	SW846 7471A	J	FD
SD08-2(6-18)	Cyanide, Total	0.79	mg/kg	SW846 9012A	U	MB
SD08-2(6-18)	Benzo(a)anthracene	430	ug/kg	SW846 8270C	J	FD
SD08-2(6-18)	TOC	99000	mg/kg	EPA Lloyd Kahn	J	FD
SD08-2(6-18)	Benzo(b)fluoranthene	710	ug/kg	SW846 8270C	J	FD
SD08-2(6-18)	Benzo(k)fluoranthene	300	ug/kg	SW846 8270C	J	FD
SD08-2(6-18)	Benzo(ghi)perylene	410	ug/kg	SW846 8270C	J	FD
SD08-2(6-18)	Benzo(a)pyrene	540	ug/kg	SW846 8270C	J	FD
SD08-2(6-18)	Phenanthrene	580	ug/kg	SW846 8270C	J	FD
SD08-2(6-18)	Pyrene	850	ug/kg	SW846 8270C	J	FD
SD08-2(6-18)	bis(2-Ethylhexyl) phthalate	550	ug/kg	SW846 8270C	J	DL
SD08-2(6-18)	Benzaldehyde	850	ug/kg	SW846 8270C	UJ	BC
SD08-2(6-18)	Butyl benzyl phthalate	78	ug/kg	SW846 8270C	J	DL
SD08-2(6-18)	Chrysene	650	ug/kg	SW846 8270C	J	FD
SD08-2(6-18)	Dibenzofuran	850	ug/kg	SW846 8270C	U	EB

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-2(6-18)	Acenaphthene	160	ug/kg	SW846 8270C	J	DL
SD08-2(6-18)	Fluoranthene	1400	ug/kg	SW846 8270C	J	FD
SD08-2(6-18)	Hexachlorocyclopentadiene	850	ug/kg	SW846 8270C	UJ	LC
SD08-2(6-18)	Endrin ketone	39	ug/kg	SW846 8081A	U	SE
SD08-2(6-18)	alpha-Chlordane	89	ug/kg	SW846 8081A	J	DL
SD08-2(6-18)	gamma-Chlordane	140	ug/kg	SW846 8081A	U	SE
SD08-2(6-18)	Endosulfan sulfate	40	ug/kg	SW846 8081A	U	SE
SD08-2(6-18)	Aroclor 1254	5100	ug/kg	SW846 8082	J	FD
SD08-2(18-30)	Beryllium	0.72	mg/kg	SW846 6020	J	MI
SD08-2(18-30)	Antimony	1.2	mg/kg	SW846 6020	J	LM, MI
SD08-2(18-30)	trans-1,3-Dichloropropene	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Acetone	49	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Ethylbenzene	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Trichlorofluoromethane	12	ug/kg	SW846 8260B	UJ	HT, LC
SD08-2(18-30)	2-Hexanone	12	ug/kg	SW846 8260B	UJ	HT, LC
SD08-2(18-30)	Isopropylbenzene	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Methyl acetate	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Methylcyclohexane	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Methylene chloride	12	ug/kg	SW846 8260B	U	TB
SD08-2(18-30)	4-Methyl-2-pentanone	12	ug/kg	SW846 8260B	UJ	HT, LC
SD08-2(18-30)	Benzene	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Styrene	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	1,1,2,2-Tetrachloroethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Tetrachloroethene	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Toluene	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	1,2,4-Trichlorobenzene	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	1,1,1-Trichloroethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	1,1,2-Trichloroethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Trichloroethene	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	1,1,2-Trichloro-1,2,2-trifluoroethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Vinyl chloride	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Xylenes (total)	37	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Methyl tert-butyl ether	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Bromodichloromethane	12	ug/kg	SW846 8260B	UJ	HT

TABLE 2
Data Validation Qualifiers
Koppers Pond
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-2(18-30)	Bromoform	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Bromomethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	2-Butanone	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Carbon disulfide	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Carbon tetrachloride	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Chlorobenzene	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Dibromochloromethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	1,2-Dibromo-3-chloropropane	12	ug/kg	SW846 8260B	UJ	HT, LC
SD08-2(18-30)	Chloroethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Chloroform	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Chloromethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Cyclohexane	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	1,2-Dibromoethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	1,2-Dichlorobenzene	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	1,3-Dichlorobenzene	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	1,4-Dichlorobenzene	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Dichlorodifluoromethane	12	ug/kg	SW846 8260B	UJ	HT, LC
SD08-2(18-30)	1,1-Dichloroethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	1,2-Dichloroethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	1,1-Dichloroethene	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	cis-1,2-Dichloroethene	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	trans-1,2-Dichloroethene	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	1,2-Dichloropropane	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	cis-1,3-Dichloropropene	12	ug/kg	SW846 8260B	UJ	HT
SD08-2(18-30)	Hexachlorocyclopentadiene	410	ug/kg	SW846 8270C	UJ	LC
SD08-2(18-30)	Benzo(k)fluoranthene	13	ug/kg	SW846 8270C	J	DL
SD08-2(18-30)	Phenanthrene	56	ug/kg	SW846 8270C	J	DL
SD08-2(18-30)	Benzaldehyde	410	ug/kg	SW846 8270C	UJ	BC
SD08-2(18-30)	Dieldrin	8.1	ug/kg	SW846 8081A	U	SE
SD08-2(18-30)	Endrin ketone	4.5	ug/kg	SW846 8081A	U	SE
SD08-2(18-30)	Heptachlor	3.3	ug/kg	SW846 8081A	U	SE
SD08-2(18-30)	gamma-BHC (Lindane)	3.3	ug/kg	SW846 8081A	U	SE
SD08-2(18-30)	gamma-Chlordane	11	ug/kg	SW846 8081A	U	SE
SD08-2(18-30)	Cyanide, Total	0.59	mg/kg	SW846 9012A	U	MB

TABLE 2
Data Validation Qualifiers
Koppers Pond
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-2(30-38)	Cyanide, Total	0.3	mg/kg	SW846 9012A	U	MB
SD08-2(30-38)	Dieldrin	0.6	ug/kg	SW846 8081A	U	SE
SD08-2(30-38)	Endrin ketone	0.42	ug/kg	SW846 8081A	U	SE
SD08-2(30-38)	delta-BHC	0.21	ug/kg	SW846 8081A	U	SE
SD08-2(30-38)	gamma-BHC (Lindane)	0.34	ug/kg	SW846 8081A	U	SE
SD08-2(30-38)	gamma-Chlordane	1.7	ug/kg	SW846 8081A	U	SE
SD08-2(30-38)	Hexachlorocyclopentadiene	34	ug/kg	SW846 8270C	UJ	LC
SD08-2(30-38)	2-Methylnaphthalene	2.3	ug/kg	SW846 8270C	J	DL
SD08-2(30-38)	4-Methylphenol	2.3	ug/kg	SW846 8270C	J	DL
SD08-2(30-38)	Naphthalene	3.4	ug/kg	SW846 8270C	J	DL
SD08-2(30-38)	bis(2-Ethylhexyl) phthalate	20	ug/kg	SW846 8270C	J	DL
SD08-2(30-38)	Benzaldehyde	10	ug/kg	SW846 8270C	J	BC, DL, HC
SD08-2(30-38)	Butyl benzyl phthalate	6.5	ug/kg	SW846 8270C	J	DL
SD08-2(30-38)	Dibenzofuran	34	ug/kg	SW846 8270C	U	EB
SD08-2(30-38)	Di-n-butyl phthalate	34	ug/kg	SW846 8270C	U	MB
SD08-2(30-38)	Acetone	42	ug/kg	SW846 8260B	U	TB
SD08-2(30-38)	Methylene chloride	10	ug/kg	SW846 8260B	U	TB
SD08-2(30-38)	4-Methyl-2-pentanone	10	ug/kg	SW846 8260B	UJ	LC
SD08-2(30-38)	Bromoform	10	ug/kg	SW846 8260B	UJ	LC
SD08-2(30-38)	1,2-Dibromo-3-chloropropane	10	ug/kg	SW846 8260B	UJ	LC
SD08-2(30-38)	Antimony	0.23	mg/kg	SW846 6020	J	LM, MI
SD08-2(30-38)	Beryllium	1.1	mg/kg	SW846 6020	J	MI
SD-DUP2	Antimony	1.2	mg/kg	SW846 6020	J	LM, MI
SD-DUP2	Potassium	729	mg/kg	SW846 6020	J	FD
SD-DUP2	Beryllium	0.48	mg/kg	SW846 6020	J	MI
SD-DUP2	Vanadium	49.6	mg/kg	SW846 6020	J	FD
SD-DUP2	trans-1,3-Dichloropropene	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Acetone	46	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Ethylbenzene	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Trichlorofluoromethane	12	ug/kg	SW846 8260B	UJ	HT, LC
SD-DUP2	2-Hexanone	12	ug/kg	SW846 8260B	UJ	HT, LC
SD-DUP2	Isopropylbenzene	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Methyl acetate	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Methylcyclohexane	12	ug/kg	SW846 8260B	UJ	HT

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD-DUP2	Methylene chloride	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	4-Methyl-2-pentanone	12	ug/kg	SW846 8260B	UJ	HT, LC
SD-DUP2	Benzene	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Styrene	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	1,1,2,2-Tetrachloroethane	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Tetrachloroethene	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Toluene	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	1,2,4-Trichlorobenzene	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	1,1,1-Trichloroethane	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	1,1,2-Trichloroethane	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Trichloroethene	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	1,1,2-Trichloro-1,2,2-trifluoroethane	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Vinyl chloride	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Xylenes (total)	35	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Methyl tert-butyl ether	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Bromodichloromethane	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Bromoform	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Bromomethane	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	2-Butanone	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Carbon disulfide	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Carbon tetrachloride	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Chlorobenzene	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Dibromochloromethane	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	1,2-Dibromo-3-chloropropane	12	ug/kg	SW846 8260B	UJ	HT, LC
SD-DUP2	Chloroethane	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Chloroform	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Chloromethane	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Cyclohexane	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	1,2-Dibromoethane	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	1,2-Dichlorobenzene	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	1,3-Dichlorobenzene	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	1,4-Dichlorobenzene	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Dichlorodifluoromethane	12	ug/kg	SW846 8260B	UJ	HT, LC
SD-DUP2	1,1-Dichloroethane	12	ug/kg	SW846 8260B	UJ	HT

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD-DUP2	1,2-Dichloroethane	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	1,1-Dichloroethene	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	cis-1,2-Dichloroethene	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	trans-1,2-Dichloroethene	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	1,2-Dichloropropane	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	cis-1,3-Dichloropropene	12	ug/kg	SW846 8260B	UJ	HT
SD-DUP2	Aroclor 1254	2900	ug/kg	SW846 8082	J	FD
SD-DUP2	Fluoranthene	850	ug/kg	SW846 8270C	J	FD
SD-DUP2	bis(2-Ethylhexyl) phthalate	670	ug/kg	SW846 8270C	J	DL
SD-DUP2	Benzaldehyde	760	ug/kg	SW846 8270C	UJ	BC
SD-DUP2	Butyl benzyl phthalate	62	ug/kg	SW846 8270C	J	DL
SD-DUP2	Chrysene	290	ug/kg	SW846 8270C	J	FD
SD-DUP2	Dieldrin	30	ug/kg	SW846 8081A	U	SE
SD-DUP2	Endrin ketone	16	ug/kg	SW846 8081A	U	SE
SD-DUP2	gamma-Chlordane	51	ug/kg	SW846 8081A	U	SE
SD-DUP2	Hexachlorocyclopentadiene	760	ug/kg	SW846 8270C	UJ	LC
SD-DUP2	Benzo(a)anthracene	210	ug/kg	SW846 8270C	J	FD
SD-DUP2	Benzo(b)fluoranthene	420	ug/kg	SW846 8270C	J	FD
SD-DUP2	Benzo(k)fluoranthene	94	ug/kg	SW846 8270C	J	DL, FD
SD-DUP2	Benzo(ghi)perylene	190	ug/kg	SW846 8270C	J	FD
SD-DUP2	Benzo(a)pyrene	270	ug/kg	SW846 8270C	J	FD
SD-DUP2	Phenanthrene	270	ug/kg	SW846 8270C	J	FD
SD-DUP2	Pyrene	380	ug/kg	SW846 8270C	J	FD
SD-DUP2	TOC	61800	mg/kg	EPA Lloyd Kahn	J	FD
SD-DUP2	Cyanide, Total	0.93	mg/kg	SW846 9012A	U	MB
SD-DUP2	Mercury	1.5	mg/kg	SW846 7471A	J	FD
SD08-40(0-6)	Cyanide, Total	0.38	mg/kg	SW846 9012A	U	MB
SD08-40(0-6)	Mercury	0.33	mg/kg	SW846 7471A	J	HM
SD08-40(0-6)	Dibenzofuran	320	ug/kg	SW846 8270C	U	EB
SD08-40(0-6)	Hexachlorocyclopentadiene	320	ug/kg	SW846 8270C	UJ	LC
SD08-40(0-6)	Indeno(1,2,3-cd)pyrene	61	ug/kg	SW846 8270C	J	DL
SD08-40(0-6)	2-Methylnaphthalene	24	ug/kg	SW846 8270C	J	DL
SD08-40(0-6)	4-Methylphenol	53	ug/kg	SW846 8270C	J	DL
SD08-40(0-6)	Naphthalene	65	ug/kg	SW846 8270C	UJ	LM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-40(0-6)	Benzo(k)fluoranthene	21	ug/kg	SW846 8270C	J	DL
SD08-40(0-6)	Benzo(ghi)perylene	61	ug/kg	SW846 8270C	J	DL
SD08-40(0-6)	Phenol	65	ug/kg	SW846 8270C	UJ	LM
SD08-40(0-6)	Benzaldehyde	320	ug/kg	SW846 8270C	UJ	BC
SD08-40(0-6)	2-Butanone	6.9	ug/kg	SW846 8260B	UJ	LC
SD08-40(0-6)	1,2-Dibromo-3-chloropropane	6.9	ug/kg	SW846 8260B	UJ	LC
SD08-40(0-6)	Trichlorofluoromethane	6.9	ug/kg	SW846 8260B	UJ	LC
SD08-40(0-6)	Methylene chloride	6.9	ug/kg	SW846 8260B	U	TB
SD08-40(0-6)	4-Methyl-2-pentanone	6.9	ug/kg	SW846 8260B	UJ	LC
SD08-40(0-6)	Bromoform	6.9	ug/kg	SW846 8260B	UJ	LC
SD08-1(0-6)	Dieldrin	160	ug/kg	SW846 8081A	UJ	PM
SD08-1(0-6)	Endosulfan I	160	ug/kg	SW846 8081A	UJ	PM
SD08-1(0-6)	Endosulfan II	160	ug/kg	SW846 8081A	UJ	PM
SD08-1(0-6)	Endosulfan sulfate	160	ug/kg	SW846 8081A	UJ	PM
SD08-1(0-6)	Endrin	160	ug/kg	SW846 8081A	UJ	PM
SD08-1(0-6)	Endrin aldehyde	160	ug/kg	SW846 8081A	UJ	PM
SD08-1(0-6)	Endrin ketone	160	ug/kg	SW846 8081A	UJ	PM
SD08-1(0-6)	Heptachlor	160	ug/kg	SW846 8081A	UJ	PM
SD08-1(0-6)	Heptachlor epoxide	160	ug/kg	SW846 8081A	UJ	PM
SD08-1(0-6)	Methoxychlor	310	ug/kg	SW846 8081A	UJ	PM
SD08-1(0-6)	alpha-BHC	160	ug/kg	SW846 8081A	UJ	PM
SD08-1(0-6)	beta-BHC	160	ug/kg	SW846 8081A	UJ	PM
SD08-1(0-6)	delta-BHC	160	ug/kg	SW846 8081A	UJ	PM
SD08-1(0-6)	gamma-BHC (Lindane)	160	ug/kg	SW846 8081A	UJ	PM
SD08-1(0-6)	Toxaphene	6200	ug/kg	SW846 8081A	UJ	PM
SD08-1(0-6)	alpha-Chlordane	160	ug/kg	SW846 8081A	UJ	PM
SD08-1(0-6)	gamma-Chlordane	23	ug/kg	SW846 8081A	U	SE
SD08-1(0-6)	Aldrin	160	ug/kg	SW846 8081A	UJ	PM
SD08-1(0-6)	4,4'-DDD	160	ug/kg	SW846 8081A	UJ	PM
SD08-1(0-6)	4,4'-DDE	160	ug/kg	SW846 8081A	UJ	PM
SD08-1(0-6)	4,4'-DDT	160	ug/kg	SW846 8081A	UJ	PM
SD08-1(0-6)	Aroclor 1016	31	ug/kg	SW846 8082	UJ	PM
SD08-1(0-6)	Aroclor 1221	31	ug/kg	SW846 8082	UJ	PM
SD08-1(0-6)	Aroclor 1232	31	ug/kg	SW846 8082	UJ	PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-1(0-6)	Aroclor 1242	31	ug/kg	SW846 8082	UJ	PM
SD08-1(0-6)	Aroclor 1248	31	ug/kg	SW846 8082	UJ	PM
SD08-1(0-6)	Aroclor 1254	1400	ug/kg	SW846 8082	J	PM
SD08-1(0-6)	Aroclor 1260	31	ug/kg	SW846 8082	UJ	PM
SD08-1(0-6)	Acenaphthene	250	ug/kg	SW846 8270C	UJ	LI, PM
SD08-1(0-6)	Diethyl phthalate	1200	ug/kg	SW846 8270C	UJ	LI, PM
SD08-1(0-6)	2,4-Dimethylphenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	Dimethyl phthalate	1200	ug/kg	SW846 8270C	UJ	LI, PM
SD08-1(0-6)	Di-n-octyl phthalate	1200	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	4,6-Dinitro-2-methylphenol	6300	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	2,4-Dinitrophenol	6300	ug/kg	SW846 8270C	UJ	LI, PM
SD08-1(0-6)	2,4-Dinitrotoluene	1200	ug/kg	SW846 8270C	UJ	LI, PM
SD08-1(0-6)	2,6-Dinitrotoluene	1200	ug/kg	SW846 8270C	UJ	LI, PM
SD08-1(0-6)	Anthracene	510	ug/kg	SW846 8270C	J	PM
SD08-1(0-6)	Fluoranthene	3200	ug/kg	SW846 8270C	J	PM
SD08-1(0-6)	Fluorene	670	ug/kg	SW846 8270C	J	LI, PM
SD08-1(0-6)	Hexachlorobenzene	250	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	Hexachlorobutadiene	250	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	Hexachlorocyclopentadiene	1200	ug/kg	SW846 8270C	UJ	LC, LI, PM
SD08-1(0-6)	Hexachloroethane	1200	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	Indeno(1,2,3-cd)pyrene	970	ug/kg	SW846 8270C	J	PM
SD08-1(0-6)	Isophorone	1200	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	Atrazine	1200	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	2-Methylnaphthalene	250	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	2-Methylphenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	4-Methylphenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	2,2'-oxybis(1-Chloropropane)	250	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	Butyl benzyl phthalate	130	ug/kg	SW846 8270C	J	DL, PM
SD08-1(0-6)	Acenaphthylene	250	ug/kg	SW846 8270C	UJ	LI, PM
SD08-1(0-6)	Caprolactam	1200	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	4-Chloroaniline	1200	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	4-Chloro-3-methylphenol	1200	ug/kg	SW846 8270C	UJ	LI, PM
SD08-1(0-6)	2-Chloronaphthalene	250	ug/kg	SW846 8270C	UJ	LI, PM
SD08-1(0-6)	2-Chlorophenol	1200	ug/kg	SW846 8270C	UJ	PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-1(0-6)	4-Chlorophenyl phenyl ether	1200	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	Chrysene	1500	ug/kg	SW846 8270C	J	PM
SD08-1(0-6)	Dibenz(a,h)anthracene	370	ug/kg	SW846 8270C	J	PM
SD08-1(0-6)	Dibenzofuran	1200	ug/kg	SW846 8270C	U	EB
SD08-1(0-6)	Di-n-butyl phthalate	1200	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	3,3'-Dichlorobenzidine	1200	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	2,4-Dichlorophenol	250	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	Naphthalene	250	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	2-Nitroaniline	6300	ug/kg	SW846 8270C	UJ	LI, PM
SD08-1(0-6)	3-Nitroaniline	6300	ug/kg	SW846 8270C	UJ	LI, PM
SD08-1(0-6)	4-Nitroaniline	6300	ug/kg	SW846 8270C	UJ	LI, PM
SD08-1(0-6)	Nitrobenzene	250	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	2-Nitrophenol	1200	ug/kg	SW846 8270C	UJ	LI, PM
SD08-1(0-6)	4-Nitrophenol	6300	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	Benzo(a)anthracene	1200	ug/kg	SW846 8270C	J	PM
SD08-1(0-6)	N-Nitrosodi-n-propylamine	250	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	N-Nitrosodiphenylamine	250	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	Benzo(b)fluoranthene	1800	ug/kg	SW846 8270C	J	PM
SD08-1(0-6)	Benzo(k)fluoranthene	780	ug/kg	SW846 8270C	J	PM
SD08-1(0-6)	Benzo(ghi)perylene	1200	ug/kg	SW846 8270C	J	PM
SD08-1(0-6)	Benzo(a)pyrene	1300	ug/kg	SW846 8270C	J	PM
SD08-1(0-6)	Pentachlorophenol	1200	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	Phenanthrene	1200	ug/kg	SW846 8270C	J	PM
SD08-1(0-6)	Phenol	250	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	Pyrene	1800	ug/kg	SW846 8270C	J	PM
SD08-1(0-6)	Acetophenone	1200	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	2,4,5-Trichlorophenol	1200	ug/kg	SW846 8270C	UJ	LI, PM
SD08-1(0-6)	2,4,6-Trichlorophenol	1200	ug/kg	SW846 8270C	UJ	LI, PM
SD08-1(0-6)	Carbazole	490	ug/kg	SW846 8270C	J	PM
SD08-1(0-6)	bis(2-Chloroethoxy)methane	1200	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	bis(2-Chloroethyl) ether	250	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	bis(2-Ethylhexyl) phthalate	1200	ug/kg	SW846 8270C	J	PM
SD08-1(0-6)	Benzaldehyde	1200	ug/kg	SW846 8270C	UJ	BC, PM
SD08-1(0-6)	1,1'-Biphenyl	1200	ug/kg	SW846 8270C	UJ	LI, PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-1(0-6)	4-Bromophenyl phenyl ether	1200	ug/kg	SW846 8270C	UJ	PM
SD08-1(0-6)	TOC	135000	mg/kg	EPA Lloyd Kahn	J	PM
SD08-1(0-6)	Cyanide, Total	1.6	mg/kg	SW846 9012A	U	MB
SD08-1(0-6)	Mercury	1.1	mg/kg	SW846 7471A	J	PM
SD08-1(0-6)	Zinc	12500	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Antimony	5.2	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Arsenic	3.7	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Iron	14200	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Lead	1480	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Magnesium	5710	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Manganese	112	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Barium	552	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Nickel	180	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Potassium	1010	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Beryllium	0.45	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Selenium	2.5	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Silver	37.6	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Sodium	727	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Thallium	0.34	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Vanadium	27.5	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Chromium	462	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Cadmium	739	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Calcium	161000	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Cobalt	13.3	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Copper	820	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Aluminum	10900	mg/kg	SW846 6020	J	PM
SD08-1(0-6)	Acid Volatile Sulfide	26.3	umoles/gm	EPA AVS	J	PM
SD08-1(0-6)	Arsenic	0.62	umoles/gm	EPA SEM	UJ	PM
SD08-1(0-6)	Lead	4	umoles/gm	EPA SEM	J	PM
SD08-1(0-6)	Nickel	2.4	umoles/gm	EPA SEM	J	PM, DL
SD08-1(0-6)	Silver	0.064	umoles/gm	EPA SEM	J	PM, DL
SD08-1(0-6)	Zinc	14.9	umoles/gm	EPA SEM	J	PM
SD08-1(0-6)	Chromium	5.8	umoles/gm	EPA SEM	J	PM
SD08-1(0-6)	Cadmium	0.57	umoles/gm	EPA SEM	J	PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-1(0-6)	Copper	5.6	umoles/gm	EPA SEM	J	PM
SD08-1(0-6)	trans-1,3-Dichloropropene	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Acetone	74	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Ethylbenzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Trichlorofluoromethane	18	ug/kg	SW846 8260B	UJ	LC, PM
SD08-1(0-6)	2-Hexanone	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Isopropylbenzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Methyl acetate	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Methylcyclohexane	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Methylene chloride	18	ug/kg	SW846 8260B	U	TB
SD08-1(0-6)	4-Methyl-2-pentanone	18	ug/kg	SW846 8260B	UJ	LC, PM
SD08-1(0-6)	Benzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Styrene	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	1,1,2,2-Tetrachloroethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Tetrachloroethene	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Toluene	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	1,2,4-Trichlorobenzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	1,1,1-Trichloroethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	1,1,2-Trichloroethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Trichloroethene	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	1,1,2-Trichloro-1,2,2-trifluoroethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Vinyl chloride	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Xylenes (total)	55	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Methyl tert-butyl ether	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Bromodichloromethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Bromoform	18	ug/kg	SW846 8260B	UJ	LC, PM
SD08-1(0-6)	Bromomethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	2-Butanone	18	ug/kg	SW846 8260B	UJ	LC, PM
SD08-1(0-6)	Carbon disulfide	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Carbon tetrachloride	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Chlorobenzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Dibromochloromethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	1,2-Dibromo-3-chloropropane	18	ug/kg	SW846 8260B	UJ	LC, PM
SD08-1(0-6)	Chloroethane	18	ug/kg	SW846 8260B	UJ	PM

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-1(0-6)	Chloroform	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Chloromethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Cyclohexane	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	1,2-Dibromoethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	1,2-Dichlorobenzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	1,3-Dichlorobenzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	1,4-Dichlorobenzene	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Dichlorodifluoromethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	1,1-Dichloroethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	1,2-Dichloroethane	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	1,1-Dichloroethene	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	cis-1,2-Dichloroethene	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	trans-1,2-Dichloroethene	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	1,2-Dichloropropane	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	cis-1,3-Dichloropropene	18	ug/kg	SW846 8260B	UJ	PM
SD08-1(0-6)	Mercury	0.00023	umoles/gm	EPA SEM	UJ	PM
SD08-1(16-18)	1,2-Dichlorobenzene	3.4	ug/kg	SW846 8260B	J	DL
SD08-1(16-18)	1,3-Dichlorobenzene	7.4	ug/kg	SW846 8260B	J	DL
SD08-1(16-18)	Acetone	58	ug/kg	SW846 8260B	U	TB
SD08-1(16-18)	Trichlorofluoromethane	15	ug/kg	SW846 8260B	UJ	LC
SD08-1(16-18)	Methylene chloride	15	ug/kg	SW846 8260B	U	TB
SD08-1(16-18)	4-Methyl-2-pentanone	15	ug/kg	SW846 8260B	UJ	LC
SD08-1(16-18)	1,2,4-Trichlorobenzene	14	ug/kg	SW846 8260B	J	DL
SD08-1(16-18)	Bromoform	15	ug/kg	SW846 8260B	UJ	LC
SD08-1(16-18)	2-Butanone	15	ug/kg	SW846 8260B	UJ	LC
SD08-1(16-18)	1,2-Dibromo-3-chloropropane	15	ug/kg	SW846 8260B	UJ	LC
SD08-1(16-18)	Cyanide, Total	1.2	mg/kg	SW846 9012A	U	MB
SD08-1(16-18)	Acenaphthene	160	ug/kg	SW846 8270C	J	DL
SD08-1(16-18)	Di-n-octyl phthalate	140	ug/kg	SW846 8270C	J	DL
SD08-1(16-18)	Hexachlorocyclopentadiene	960	ug/kg	SW846 8270C	UJ	LC
SD08-1(16-18)	bis(2-Ethylhexyl) phthalate	840	ug/kg	SW846 8270C	J	DL
SD08-1(16-18)	Benzaldehyde	960	ug/kg	SW846 8270C	UJ	BC
SD08-1(16-18)	Butyl benzyl phthalate	110	ug/kg	SW846 8270C	J	DL
SD08-1(16-18)	Dibenzofuran	960	ug/kg	SW846 8270C	U	EB

TABLE 2
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-1(16-18)	Endrin ketone	20	ug/kg	SW846 8081A	U	SE
SD08-1(16-18)	gamma-Chlordane	59	ug/kg	SW846 8081A	U	SE
SD08-1(18-30)	Hexachlorocyclopentadiene	770	ug/kg	SW846 8270C	UJ	LC
SD08-1(18-30)	Indeno(1,2,3-cd)pyrene	88	ug/kg	SW846 8270C	J	DL
SD08-1(18-30)	Benzo(a)anthracene	80	ug/kg	SW846 8270C	J	DL
SD08-1(18-30)	Benzo(k)fluoranthene	36	ug/kg	SW846 8270C	J	DL
SD08-1(18-30)	Benzo(ghi)perylene	74	ug/kg	SW846 8270C	J	DL
SD08-1(18-30)	Benzo(a)pyrene	140	ug/kg	SW846 8270C	J	DL
SD08-1(18-30)	Pyrene	130	ug/kg	SW846 8270C	J	DL
SD08-1(18-30)	Benzaldehyde	770	ug/kg	SW846 8270C	UJ	BC
SD08-1(18-30)	Chrysene	120	ug/kg	SW846 8270C	J	DL
SD08-1(18-30)	Dibenzofuran	770	ug/kg	SW846 8270C	U	EB
SD08-1(18-30)	Endosulfan sulfate	31	ug/kg	SW846 8081A	U	SE
SD08-1(18-30)	Endrin ketone	35	ug/kg	SW846 8081A	U	SE
SD08-1(18-30)	alpha-Chlordane	110	ug/kg	SW846 8081A	U	SE
SD08-1(18-30)	gamma-Chlordane	170	ug/kg	SW846 8081A	U	SE
SD08-1(18-30)	Cyanide, Total	0.68	mg/kg	SW846 9012A	U	MB
SD08-1(18-30)	1,1,1-Trichloroethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	1,1,2-Trichloroethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Trichloroethene	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	1,1,2-Trichloro-1,2,2-trifluoroethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Vinyl chloride	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Xylenes (total)	35	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Methyl tert-butyl ether	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Bromodichloromethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Bromoform	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Bromomethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	2-Butanone	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Carbon disulfide	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Carbon tetrachloride	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Chlorobenzene	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Dibromochloromethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	1,2-Dibromo-3-chloropropane	12	ug/kg	SW846 8260B	UJ	HT, LC
SD08-1(18-30)	Chloroethane	12	ug/kg	SW846 8260B	UJ	HT

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E150368

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-1(18-30)	Chloroform	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Chloromethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Cyclohexane	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	1,2-Dibromoethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	1,2-Dichlorobenzene	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	1,3-Dichlorobenzene	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	1,4-Dichlorobenzene	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Dichlorodifluoromethane	12	ug/kg	SW846 8260B	UJ	HT, LC
SD08-1(18-30)	1,1-Dichloroethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	1,2-Dichloroethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	1,1-Dichloroethene	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	cis-1,2-Dichloroethene	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	trans-1,2-Dichloroethene	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	1,2-Dichloropropane	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	cis-1,3-Dichloropropene	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	trans-1,3-Dichloropropene	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Acetone	47	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Ethylbenzene	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Trichlorofluoromethane	12	ug/kg	SW846 8260B	UJ	HT, LC
SD08-1(18-30)	2-Hexanone	12	ug/kg	SW846 8260B	UJ	HT, LC
SD08-1(18-30)	Isopropylbenzene	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Methyl acetate	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Methylcyclohexane	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Methylene chloride	12	ug/kg	SW846 8260B	U	TB
SD08-1(18-30)	4-Methyl-2-pentanone	12	ug/kg	SW846 8260B	UJ	HT, LC
SD08-1(18-30)	Benzene	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Styrene	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	1,1,2,2-Tetrachloroethane	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Tetrachloroethene	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	Toluene	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(18-30)	1,2,4-Trichlorobenzene	12	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Trichloroethene	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	1,1,2-Trichloro-1,2,2-trifluoroethane	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Vinyl chloride	11	ug/kg	SW846 8260B	UJ	HT

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E150368

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-1(30-35)	Xylenes (total)	32	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Methyl tert-butyl ether	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Bromodichloromethane	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Bromoform	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Bromomethane	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	2-Butanone	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Carbon disulfide	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Carbon tetrachloride	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Chlorobenzene	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Dibromochloromethane	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	1,2-Dibromo-3-chloropropane	11	ug/kg	SW846 8260B	UJ	HT, LC
SD08-1(30-35)	Chloroethane	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Chloroform	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Chloromethane	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Cyclohexane	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	1,2-Dibromoethane	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	1,2-Dichlorobenzene	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	1,3-Dichlorobenzene	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	1,4-Dichlorobenzene	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Dichlorodifluoromethane	11	ug/kg	SW846 8260B	UJ	HT, LC
SD08-1(30-35)	1,1-Dichloroethane	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	1,2-Dichloroethane	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	1,1-Dichloroethene	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	cis-1,2-Dichloroethene	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	trans-1,2-Dichloroethene	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	1,2-Dichloropropane	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	cis-1,3-Dichloropropene	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	trans-1,3-Dichloropropene	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Acetone	43	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Ethylbenzene	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Trichlorofluoromethane	11	ug/kg	SW846 8260B	UJ	HT, LC
SD08-1(30-35)	2-Hexanone	11	ug/kg	SW846 8260B	UJ	HT, LC
SD08-1(30-35)	Isopropylbenzene	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Methyl acetate	11	ug/kg	SW846 8260B	UJ	HT

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E150368

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-1(30-35)	Methylcyclohexane	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Methylene chloride	11	ug/kg	SW846 8260B	U	TB
SD08-1(30-35)	4-Methyl-2-pentanone	11	ug/kg	SW846 8260B	UJ	HT, LC
SD08-1(30-35)	Benzene	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Styrene	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	1,1,2,2-Tetrachloroethane	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Tetrachloroethene	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Toluene	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	1,2,4-Trichlorobenzene	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	1,1,1-Trichloroethane	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	1,1,2-Trichloroethane	11	ug/kg	SW846 8260B	UJ	HT
SD08-1(30-35)	Cyanide, Total	0.63	mg/kg	SW846 9012A	U	MB
SD08-1(30-35)	Benzaldehyde	350	ug/kg	SW846 8270C	UJ	BC
SD08-1(30-35)	Hexachlorocyclopentadiene	350	ug/kg	SW846 8270C	UJ	LC
SD08-1(30-35)	gamma-Chlordane	4.9	ug/kg	SW846 8081A	U	SE
SD08-1(30-35)	gamma-BHC (Lindane)	1.3	ug/kg	SW846 8081A	J	DL
TB-1	Acetone	3.2	ug/L	SW846 8260B	J	DL
TB-1	Methylene chloride	0.34	ug/L	SW846 8260B	J	DL
SED08-EB	Antimony	0.086	ug/L	SW846 6020	J	DL
SED08-EB	Arsenic	0.35	ug/L	SW846 6020	J	DL
SED08-EB	Lead	0.035	ug/L	SW846 6020	J	DL
SED08-EB	Selenium	0.31	ug/L	SW846 6020	J	DL
SED08-EB	Sodium	11.5	ug/L	SW846 6020	J	DL
SED08-EB	Vanadium	0.82	ug/L	SW846 6020	J	DL
SED08-EB	Zinc	2.1	ug/L	SW846 6020	J	DL
SED08-EB	TOC	0.27	mg/L	SM20 5310B	J	DL
SED08-EB	Benzaldehyde	0.94	ug/L	SW846 8270C	UJ	BC
SED08-EB	Dibenzofuran	0.15	ug/L	SW846 8270C	J	DL
SED08-EB	Hexachlorocyclopentadiene	0.94	ug/L	SW846 8270C	UJ	LC

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E150368

Reason Codes

BC - High initial calibration percent relative standard deviation
CB - Contaminated blank
DL - Value was between method detection limit and reporting limit
EB - Equiment blank contamination
FD - Field duplicate imprecision
HC - High continuing calibration verification result
HM - High matrix spike recovery
HS- High surrogate recovery
HT - Holding time exceedance
LC - Low continuing calibration verification result
LI - Low internal standard recovery
LM - Low matrix spike recovery
MB - Method blank contamination
MI - Serial dilution imprecision
PM - High percent moisture
SE - Large differences between the primary and secondary column results
TB - Trip blank contamination

Validation Codes:

U -The U qualifier indicates that an analyte is considered nondetected at the concentration listed. U qualifiers added during validation are typically a result of detection of target analytes in blanks.

J - The J qualifier indicates that the associated result is quantitatively uncertain. J qualifiers added during validation may indicate a concentration between the method detection limit (MDL) and the reporting limit (RL), or a data limitation related to a QC element that exceeds required acceptance limits.

UJ - The UJ qualifier indicates the RL is estimated. UJ qualifiers added during validation may indicate either a high or low bias related to a QC element that exceeds required acceptance limits.

TABLE 3
Field Duplicate Detected Results
Koppers Pond
SDG C8E150368

Analyte	Reporting Limit	Primary Result	Duplicate Result	RPD	Qualifier
Sample SD08-5(0-6)/SD-DUP1					
Fluoranthene	180	570	350	**48%**	**J-FD**
Indeno(1,2,3-cd)pyrene	180	160	100	46%	none
Benzo(a)anthracene	180	130	71	59%	none
Benzo(b)fluoranthene	180	410	260	45%	none
Benzo(k)fluoranthene	180	120	45	91%	none
Benzo(ghi)perylene	180	150	98	42%	none
Benzo(a)pyrene	180	280	160	55%	none
Phenanthrene	180	200	130	42%	none
Pyrene	180	210	120	55%	none
Anthracene	180	200	ND	**NC**	**J-FD**
Chrysene	180	220	150	38%	none
Aroclor 1254	26	410	450	9%	none
Silver	0.16	4.2	5.2	**21%**	**J-FD**
Aluminum	4.7	14300	16700	15%	none
Arsenic	0.16	2.4	2.6	8%	none
Barium	1.6	357	402	12%	none
Beryllium	0.16	0.79	0.88	11%	none
Calcium	15.7	27400	31100	13%	none
Cadmium	0.16	23.2	27.9	18%	none
Cobalt	0.079	7.9	9	13%	none
Chromium	0.31	136	175	**25%**	**J-FD**
Copper	0.31	107	135	**23%**	**J-FD**
Iron	7.9	16900	17800	5%	none
Potassium	15.7	883	1140	**25%**	**J-FD**
Magnesium	15.7	4050	4620	13%	none
Manganese	0.079	96.5	106	9%	none
Sodium	15.7	384	435	12%	none
Nickel	0.16	76.3	98.6	**26%**	**J-FD**
Lead	0.16	146	175	18%	none
Selenium	0.79	1.4	1.5	7%	none
Thallium	0.16	0.23	0.27	16%	none
Antimony	0.31	3.1	3.5	12%	none
Vanadium	0.16	15.8	17.8	12%	none
Zinc	0.79	449	537	18%	none
Mercury	0.052	0.22	0.3	**31%**	**J-FD**
Cyanide	1.6	1	1.6	46%	none
Total Organic Carbon	14000	39600	126000	**104%**	**J-FD**

TABLE 3
Field Duplicate Detected Results
Koppers Pond
SDG C8E150368

Analyte	Reporting Limit	Primary Result	Duplicate Result	RPD	Qualifier
Sample SD08-2(6-18)/SD-DUP2					
Acetone	51	14	ND	NC	none
Benzo(a)anthracene	170	430	210	**69%**	**J-FD**
Benzo(b)fluoranthene	170	710	420	**51%**	**J-FD**
Benzo(k)fluoranthene	170	300	94	**105%**	**J-FD**
Benzo(ghi)perylene	170	410	190	**73%**	**J-FD**
Benzo(a)pyrene	170	540	270	**67%**	**J-FD**
Phenanthrene	170	580	270	**73%**	**J-FD**
Pyrene	170	850	380	**76%**	**J-FD**
bis(2-Ethylhexyl) phthalate	850	550	670	20%	none
Butyl benzyl phthalate	850	78	62	23%	none
Chrysene	170	650	290	**77%**	**J-FD**
Dibenzofuran	850	160	ND	NC	none
Acenaphthene	170	160	ND	NC	none
Anthracene	170	270	220	20%	none
Fluoranthene	170	1400	850	**49%**	**J-FD**
Indeno(1,2,3-cd)pyrene	170	330	180	59%	none
Aroclor 1254	110	5100	2900	**55%**	**J-FD**
Silver	0.13	27.6	24	14%	none
Aluminum	3.9	7080	8640	20%	none
Arsenic	0.13	3.7	4.2	13%	none
Barium	1.3	404	424	5%	none
Beryllium	0.13	0.4	0.48	18%	none
Calcium	12.8	180000	166000	8%	none
Cadmium	0.13	931	987	6%	none
Cobalt	0.064	17.6	19.8	12%	none
Chromium	0.26	454	371	20%	none
Copper	0.26	961	1000	4%	none
Iron	6.4	11800	13200	11%	none
Potassium	12.8	448	729	**48%**	**J-FD**
Magnesium	12.8	5310	4960	7%	none
Manganese	0.064	112	135	19%	none
Sodium	12.8	556	570	2%	none
Nickel	0.13	308	297	4%	none
Lead	0.13	645	582	10%	none
Selenium	0.64	1.9	2.3	19%	none
Thallium	0.13	0.35	0.36	3%	none
Antimony	0.26	1.4	1.2	15%	none
Vanadium	0.13	24.9	49.6	**66%**	**J-FD**
Zinc	32.1	11500	9630	18%	none
Mercury	0.21	3	1.5	**67%**	**J-FD**
Cyanide	1.3	0.79	0.93	16%	none
Total Organic Carbon	12100	99000	61800	**46%**	**J-FD**

FD: Field duplicate imprecision
J: The associated result is quantitatively uncertain
NC: Not calculable
RPD: Relative percent difference
Control limit: RPD between primary and duplicate concentrations ± 20%

DATA QUALITY REVIEW AND VALIDATION REPORT

Koppers Pond
Kentucky Avenue Wellfield Site
Operable Unit 4
Horseheads, New York

Organic and Inorganic Analyses Data
Samples Collected May 15 and 16, 2008

Prepared for:

Koppers Pond PRP Group

Prepared by:

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773580000

August 2008

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Table 2 Data Validation Qualifiers

ACRONYMS & ABBREVIATIONS

°C	degrees Celsius
%D	percent deviation or percent drift in relative response
%RSD	percent relative standard deviation
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
AMEC	AMEC Earth & Environmental, Inc.
CCV	continuing calibration verification
CLP	USEPA Contract Laboratory Program
COC	chain of custody
CRI	CRQL check standard
CRQL	contract-required quantitation limit
DCB	decachlorobiphenyl
DQO	data quality objective
EPA	United States Environmental Protection Agency
GC/ECD	gas chromatography/electron capture detector
GC/MS	gas chromatography/mass spectrometry
HR/MS	high resolution/ mass spectrometry
ICP	inductively coupled plasma
ICS	interference check sample
ICV	initial calibration verification
ID	site identification
IS	internal standard
LCS	laboratory control sample
MDL	method detection limit

MS	matrix spike
MSD	matrix spike duplicate
MS/MS	tandem mass spectrometry
OSWER	EPA Office of Solid Waste and Emergency Response
PAH	polynuclear aromatic hydrocarbons
QAPP	Quality Assurance Project Plan
QC	quality control
PCB	polychlorinated biphenyl
RL	reporting limit
SDG	sample delivery group
SOP	standard operating procedure
SVOCs	semivolatile organic compounds
TA	Test America
TAL	Target Analyte List
TOC	total organic carbon
VOCs	volatile organic compounds

1.0 INTRODUCTION

This data quality review and validation report covers one sediment sample and 26 fish tissue samples from the Koppers Pond site located in Horseheads, New York. The samples were collected on May 15 and 16, 2008 and submitted to Test America (TA) in Pittsburgh, Pennsylvania on May 16, 2008. The samples were assigned sample delivery group (SDG) C8E170109. The following analyses were performed on these samples:

- Target Analyte List (TAL) metals by Environmental Protection Agency (EPA) SW-846 Methods 6020/7471A;
- Total cyanide by EPA SW-846 Method 9012A;
- Total Organic Carbon (TOC) by EPA Lloyd Kahn;
- Percent Lipids by laboratory specified method;
- Semivolatile organic compounds (SVOCs) by EPA SW-846 Method 8270C;
- Volatile organic compounds (VOCs) by EPA SW-846 Method 8260B;
- Pesticides by EPA SW-846 Method 8081A;
- Polychlorinated biphenyls (PCBs) as Aroclors by EPA SW-846 Method 8082.

A list of these samples by field sample identification (ID) and TA sample ID is presented in Table 1.

2.0 DATA QUALITY REVIEW AND DATA VALIDATION METHODOLOGY

AMEC Earth & Environmental, Inc. (AMEC) performed this data quality review and validation with reference to the EPA Office of Solid Waste and Emergency Response (OSWER) National Functional Guidelines for Inorganic Data Review (October 2004), National Functional Guidelines for Organic Data Review (October 1999), including Region II modifications, if any, and associated method quality control (QC) requirements. These EPA guidelines were written specifically for the Contract Laboratory Program (CLP), and have been modified for the purposes of this data quality review and validation where they differ from method and Quality Assurance Project Plan (QAPP) QC requirements.

AMEC's data validation methodology complied with the validation procedures specified in the Koppers Pond QAPP (AMEC 2008). The laboratory's raw analytical data packages were reviewed to assess the criteria outlined in QAPP:

- Data completeness;
- Holding times;
- Calibration;
- Blanks;
- Inductively coupled plasma (ICP) check sample;
- Matrix spike/matrix spike duplicate (MS/MSD) samples;
- Laboratory duplicate samples:
- Laboratory control samples (LCSs);
- ICP serial dilution;
- Detection limits;
- Sample dilutions;
- Gas chromatography/mass spectrometry (GC/MS) tuning;
- Instrument performance;
- Surrogate recoveries;
- Internal standards (IS); and
- Compound identification.

In general, it is important to recognize that no analytical data are guaranteed to be correct, even if all QC audits are passed. Strict QC serves to increase confidence in data, but any reported value may potentially contain error.

In accordance with the specifications of QAPP, the data validation process comprised 20% full validation of the raw analytical data and 80% data quality review for all methods, based on information provided by the laboratory as summary reporting forms. Data that underwent data quality review and data validation are indicated on Table 1.

3.0 EXECUTIVE SUMMARY

The majority of data are generally usable and of good quality.

The nondetected 4,4'-DDT result from sample CC08-04 was rejected because of a very low matrix spike recovery. In addition, the chromium and/or vanadium results in a number of samples were rejected because of associated blank results above the CRQL.

A number of detected metal and VOC results were U qualified as nondetected because of contamination in the associated laboratory blanks.

A number of detected pesticide results were U qualified as nondetected because of probable matrix interference from polynuclear aromatic hydrocarbons (PAHs) and/or Aroclors as demonstrated by the very high percent differences between dual column results. If greater certainty regarding possible presence of low concentrations of pesticides is required to achieve project DQOs, AMEC recommends consideration of either high resolution mass spectrometry (HRMS) or tandem mass spectrometry (MS/MS) as the determinative technique for future pesticide analyses.

Ninety eight percent of the data should be considered valid which meets the 90% data quality objective.

4.0 SPECIFIC DATA VALIDATION FINDINGS FOR EACH ANALYTICAL METHOD

Sections 4.1 to 4.8 of this Data Validation Report contain narrative descriptions of data validation findings and data quality limitations. Definitions of data qualifiers added during validation and summaries of specific qualifiers added to each affected sample as a result of the data validation findings are presented in Table 2.

4.1 Data Deliverables

The submitted data packages contained all documentation elements required for full validation.

4.2 Chain of Custody and Sample Receipt Condition Documentation

TA received all samples in good condition and at less than the EPA-recommended temperature of 6 degrees Celsius (°C). There were no anomalies associated with sample receipt condition or chain of custody (COC) documentation.

4.3 Volatile Organic Compounds by EPA SW-846 Method 8260B

VOC results generated by TA for samples covered in this report are considered usable with the limitations described in Sections 4.3.1 through 4.3.9.

4.3.1 Holding Times

All soil samples were analyzed within the QAPP-specified 10 day holding time for unpreserved samples.

4.3.2 Initial Calibration

The method-specified minimum relative response factor (RRF) and percent relative standard deviation (%RSD) criteria not met for the initial calibrations associated with VOC analysis of the samples covered in this report are described below.

The acetone %RSD of 34.5% in the initial calibration analyzed on May 25, 2008 on instrument HP5 was greater than the method-specified 15% limit. AMEC J qualified the detected acetone result from sample SD08-41 (0-6) because of possible bias in the analytical results.

4.3.3 Continuing Calibration

The Region II-specified minimum RRF and percent deviation or percent drift (%D) criteria were met for the continuing calibrations associated with VOC analysis of the samples covered in this report, except as described below:

The acetone (34.5%, bias low) and 2-butanone (22.9%, bias low) %Ds were greater than the 20% Region II-specified acceptance limit in the continuing calibration verification (CCV) analyzed on May 25, 2008 at 14:21 on instrument HP4. AMEC J qualified the detected acetone result and UJ qualified the nondetected 2-butanone result from sample SD08-41 (0-6) because of possible low bias.

4.3.4 Blanks

Methylene chloride was detected in method blank C8E250000-027 at a concentration of 0.75 microgram per kilogram (µg/kg). AMEC U qualified the detected methylene chloride result from sample SD08-41 (0-6) because the sample concentration was less than 10 times the associated method blank concentration.

4.3.5 Surrogate Recoveries

All surrogate recoveries were within the laboratory-specified limits for VOC analysis of the samples covered in this report.

4.3.6 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for VOC analysis of the samples covered in this report.

4.3.7 Matrix Spike/Matrix Spike Duplicate Recovery

MS/MSD recoveries were within the laboratory-specified limits for VOC analysis of the samples covered in this report.

4.3.8 Internal Standard Recoveries

IS recoveries were all within the method-specified 50% to 200% acceptance limits for the VOC sample analysis covered in this report.

4.3.9 Data Reporting

The laboratory J qualified detected results with concentrations between the method detection limit (MDL) and reporting limit (RL). AMEC concurs that these results are quantitative estimates and J qualified these results.

4.4 Semivolatile Organic Compounds by EPA SW-846 Method 8270C

SVOC results generated by TA for the samples covered in this report are considered usable with the limitations described in Sections 4.4.1 through 4.4.9.

4.4.1 Holding Times

All samples were extracted and analyzed within the QAPP-specified maximum holding time of 14 days for solid extraction and 40 days for analysis.

4.4.2 Initial Calibration

The Region II-specified minimum RRF and %RSD criteria not met for the initial calibrations associated with the SVOC sample analysis are described below.

The benzaldehyde %RSD of 38.7% was greater than the Region II-specified 15% RSD acceptance limit in the initial calibration analyzed on May 2, 2008 on instrument 71. AMEC UJ qualified the nondetected benzaldehyde result from sample SD08-41 (0-6) because of possible bias in the analytical results.

4.4.3 Continuing Calibration

The Region II-specified minimum RRF and %D criteria were met for the continuing calibrations associated with the SVOC sample analysis, except as described below.

The benzaldehyde (30.6%, bias high), hexachlorocyclopentadiene (45.4%, bias low), butylbenzylphthalate (22.6%, bias high), and 3,3'-dichlorobenzidine (25.1%, bias high) %Ds in the CCV analyzed on May 30, 2008 on instrument 71 were outside the Region II-specified ±20% acceptance limit. Specific limitations include the following:

- AMEC UJ qualified the nondetected hexachlorocyclopentadiene result from sample SD08-41 (0-6) because of possible low bias.
- Benzaldehyde, butylbenzylphthalate, and 3,3'-dichlorobenzidine were not detected in the associated sample; therefore, data usability is not adversely affected by the potential high bias.

4.4.4 Laboratory Blank

SVOCs detected in the laboratory blank associated with the samples are described below.

Diethylphthalate was detected in method blank C8E220000-011 at a concentration of 6.0 µg/kg. Diethylphthalate was not detected in the associated sample; therefore, data usability is not adversely affected by the method blank results.

4.4.5 Surrogate Recoveries

All surrogate recoveries not within the laboratory-specified limits for SVOC analysis of the samples covered in this report are described below.

Surrogates were not recovered in the 15-fold dilution analysis of sample SD08-41 (0-6). Data usability could not be fully evaluated due to the sample dilution. Data qualification was not required.

4.4.6 Matrix Spike/Matrix Spike Duplicate Recovery

MS/MSD recoveries not within the laboratory-specified limits for SVOC analysis of the samples covered in this report are described below.

The laboratory analyzed the MS/MSD sample SD08-41 (0-6) at a 15-fold dilution. Analytes were not recovered and data usability could not be fully evaluated due to the dilution. Data qualification was not required.

4.4.7 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for the SVOC sample analysis.

4.4.8 Internal Standard Recoveries

IS recoveries were within the method-specified 50% to 200% acceptance limits for the SVOC sample analysis.

4.4.9 Data Reporting

The laboratory J qualified detected results with concentrations between the MDL and RL. AMEC concurs that these results are quantitative estimates and J qualified these results.

4.5 Pesticides by EPA SW-846 Method 8081A

Pesticide results generated by TA for the samples covered in this report are considered usable with the limitations described in Sections 4.5.1 through 4.5.8.

4.5.1 Holding Times

All samples were extracted and analyzed within the QAPP-specified maximum holding time of 14 days for solid extraction, 14 days to extract from thawing of fish tissue and 40 days for analysis.

4.5.2 Initial Calibration

The method-specified %RSD and retention time criteria were met for the initial calibrations associated with the pesticide sample analysis.

4.5.3 Continuing Calibration

The method-specified %D and retention time criteria not met for the continuing calibrations associated with the pesticide sample analysis are described below.

The 4,4'-DDT %D of 21.4%, bias low, exceeded the ±20% method-specified acceptance limit in the calibration check standard analyzed on May 29, 2008 at 22:51. AMEC UJ qualified the nondetected 4,4'-DDT result from sample SD08-41 (0-6) because of possible low bias.

4.5.4 Blanks

No target analytes were detected in the laboratory blanks associated with the pesticide analysis.

4.5.5 Surrogate Recoveries

Surrogate recoveries associated with the pesticide sample analysis outside laboratory-specified acceptance limits are described below.

Surrogates were not recovered in the analysis of sample SD08-41 (0-6). This sample was analyzed at a 7.5-fold dilution; therefore, data usability could not be fully evaluated because of the dilution. Data qualification was not required.

Decachlorobiphenyl (DCB) recoveries greater than the laboratory-specified 18% to 145% acceptance limits are described in the following table. AMEC J qualified (unless U qualified due to matrix interference) the detected pesticide results from these samples because of possible high bias.

Sample Identification	DCB Recovery
WS08-01	180%
WS08-04	167%
WS08-02	148%
WS08-03	165%
BC08-04	156%
FF08-02	162%
FF08-05	147%
FF08-04	149%
FF08-06	152%
CC08-04	152%
LB08-06	165%
FF08-01	170%

Sample Identification	DCB Recovery
FF08-03	148%

4.5.6 Matrix Spike/Matrix Spike Duplicate Accuracy and Precision

MS/MSD recoveries not within the laboratory-specified limits for pesticide analysis of the samples covered in this report are described below.

- The laboratory analyzed MS/MSD sample SD08-41 (0-6) at a 7.5-fold dilution. Analytes were not recovered and data usability could not be fully evaluated due to the dilution. Data qualification was not required.
- The laboratory performed MS/MSD analysis on sample CC08-03. The 4,4'-DDT recovery of 182% in the MSD was greater than the laboratory-specified limits. 4,4'-DDT was not detected in sample CC08-03; therefore, data usability is not adversely affected by the potential high bias.
- The laboratory performed MS/MSD analysis on sample CC08-04. The endrin recovery of 144% in the MS was greater than the laboratory-specified limits. In addition, 4,4'-DDT was not recovered in the MS/MSD, and dieldrin was not recovered in the MSD. Specific limitations include the following:
    - AMEC R qualified and rejected the nondetected 4,4'-DDT result from sample CC08-04 because the absence or presence of the analyte could not be confirmed due to the very low (<10%) recoveries.
    - AMEC J qualified (unless U qualified due to interferences) the detected dieldrin result from sample CC08-04 because of possible low bias.
    - Endrin was not detected in the associated sample; therefore, data usability is not adversely affected by the potential high bias.

4.5.7 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for the pesticide sample analysis.

4.5.8 Data Reporting and Analytical Procedures

There was greater than 25% difference between the pesticide concentrations from the primary and secondary analytical columns for the samples listed in the following table. Analysis of pesticides using conventional gas chromatography/electron capture

detector (GC/ECD) techniques can result in an extremely high rate of false positive detections, as referenced in literature including a memo titled *EPA Region 10 Clarification of SW-846 Method 8081 and Supplemental Guidance for Data Review* (EPA, 2006). In AMEC's professional judgment, based on the very large percent differences between primary and secondary column results, the reported insecticide results are likely false positives that result from interferences from the PAHs and/or PCBs detected in these samples. In addition, Region II validation guidelines (SOP HW-44) allow "U" qualification based on the presence of interferences and large differences between dual-column results.

AMEC U qualified the detected pesticide concentrations as listed in the table below based on professional judgment of the chemists performing the review. If greater certainty regarding possible presence of low concentrations of pesticides is required to achieve project DQOs, AMEC recommends consideration of either HRMS or MS/MS as the determinative technique for future pesticide analyses.

Sample ID	Analyte	%D	Qualification
SD08-41 (0-6)	delta-BHC	999	U
	Endrin	37.4	U
CC08-3	alpha-BHC	676	U
	Aldrin	117	U
	Heptachlor Epoxide	1000	U
	Dieldrin	310	U
	4,4'-DDE	552	U
	gamma-Chlordane	54.1	U
LB08-01	alpha-BHC	231	U
	Aldrin	40.1	U
	Heptachlor Epoxide	139	U
	Dieldrin	412	U
	4,4'-DDE	119	U
	alpha-Chlordane	256	U
	gamma-Chlordane	36.4	U
LB08-02	Aldrin	47.4	U
	Heptachlor Epoxide	308	U
	Dieldrin	163	U
	4,4'-DDE	134	U
	Endosulfan Sulfate	48.8	U
	alpha-Chlordane	71.1	U
LB08-05	Heptachlor Epoxide	1000	U
	Dieldrin	249	U
	4,4'-DDE	456	U
BC08-02	delta-BHC	552	U
	Aldrin	78.2	U
	Dieldrin	195	U
	4,4'-DDE	40.5	U
	Endosulfan Sulfate	117	U
BC08-01	Heptachlor	579	U
	Aldrin	92.3	U
	Dieldrin	257	U
	4,4'-DDE	209	U
	gamma-Chlordane	32.4	U

Sample ID	Analyte	%D	Qualification
CC08-02	gamma-BHC (Lindane)	111	U
	Aldrin	1000	U
	Heptachlor Epoxide	865	U
	4,4'-DDE	220	U
	4,4'-DDD	1000	U
	Endosulfan Sulfate	63.9	U
	Endrin Aldehyde	81.2	U
	gamma-Chlordane	55.6	U
CC08-05	delta-BHC	41.5	U
	4,4'-DDD	183	U
	gamma-Chlordane	31	U
LB08-03	4,4'-DDE	255	U
	gamma-Chlordane	50.6	U
LB08-04	gamma-BHC (Lindane)	67.9	U
	Dieldrin	147	U
	4,4'-DDE	469	U
	gamma-Chlordane	83.4	U
WS08-05	Heptachlor	250	U
	Heptachlor Epoxide	949	U
	4,4'-DDE	252	U
	alpha-Chlordane	29.2	U
WS08-01	Aldrin	228	U
	Heptachlor Epoxide	516	U
	4,4'-DDE	272	U
WS08-04	gamma-BHC (Lindane)	541	U
	Aldrin	223	U
	Heptachlor Epoxide	366	U
	Dieldrin	705	U
	4,4'-DDE	313	U
	Endosulfan sulfate	62.1	U
WS08-02	Aldrin	60.4	U
	Heptachlor Epoxide	853	U
	Dieldrin	811	U
	4,4'-DDE	211	U
WS08-03	gamma-BHC (Lindane)	208	U
	Aldrin	69	U
	Heptachlor Epoxide	790	U
	Dieldrin	550	U
	4,4'-DDE	1000	U
	Endosulfan sulfate	48.8	U
	gamma-Chlordane	25.8	U
BC08-04	delta-BHC	599	U
	Aldrin	496	U
	Heptachlor Epoxide	975	U
	Dieldrin	372	U
	4,4'-DDE	91.4	U
	Endosulfan sulfate	38.3	U
	Endrin Aldehyde	130	U
BC08-03	Heptachlor	524	U
	Aldrin	88.0	U
	Heptachlor Epoxide	601	U
	Dieldrin	416	U
	4,4'-DDE	156	U
	Endrin Aldehyde	397	U
	gamma-Chlordane	29.5	U

Sample ID	Analyte	%D	Qualification
FF08-02	beta-BHC	110	U
	Heptachlor	138	U
	Heptachlor Epoxide	56.2	U
	Dieldrin	543	U
	4,4'-DDE	90.5	U
	4,4'-DDD	496	U
	Endrin Aldehyde	343	U
	alpha-Chlordane	25.5	U
FF08-05	Heptachlor	340	U
	Aldrin	298	U
	Heptachlor Epoxide	684	U
	Dieldrin	399	U
	4,4'-DDE	400	U
	Endosulfan Sulfate	41.5	U
	alpha-Chlordane	53.8	U
	gamma-Chlordane	51.4	U
FF08-04	Heptachlor	151	U
	Heptachlor Epoxide	116	U
	Dieldrin	377	U
	4,4'-DDE	135	U
	Endosulfan Sulfate	74.1	U
	alpha-Chlordane	28.2	U
	gamma-Chlordane	33.6	U
FF08-06	delta-BHC	314	U
	Heptachlor	37.8	U
	Aldrin	716	U
	Heptachlor Epoxide	44.4	U
	Dieldrin	314	U
	4,4'-DDE	256	U
	Endosulfan Sulfate	80.9	U
	alpha-Chlordane	37.8	U
CC08-4	Heptachlor	152	U
	Heptachlor Epoxide	486	U
	Dieldrin	467	U
	4,4'-DDE	228	U
	4,4'-DDD	1000	U
	Endrin Aldehyde	89.3	U
	gamma-Chlordane	44.1	U
CC08-01	Heptachlor	83.6	U
	Heptachlor Epoxide	650	U
	Dieldrin	602	U
	4,4'-DDE	153	U
	4,4'-DDD	1000	U
	Endosulfan sulfate	41.3	U
	Endrin Aldehyde	519	U
	gamma-Chlordane	40.5	U
LB08-06	delta-BHC	233	U
	Heptachlor	72.8	U
	Heptachlor Epoxide	306	U
	Dieldrin	497	U
	4,4'-DDE	79.1	U
	alpha-Chlordane	77.4	U

Sample ID	Analyte	%D	Qualification
FF08-01	delta-BHC	75.3	U
	Aldrin	324	U
	Heptachlor Epoxide	179	U
	Dieldrin	367	U
	4,4'-DDE	144	U
	Endosulfan sulfate	30.8	U
	alpha-Chlordane	30.6	U
FF08-03	alpha-BHC	39.3	U
	Heptachlor	26.7	U
	Aldrin	134	U
	Heptachlor epoxide	201	U
	Dieldrin	327	U
	4,4'-DDE	170	U
	Endosulfan sulfate	43.9	U

Additionally, the laboratory J qualified detected results with concentrations between the MDL and RL. AMEC concurs that these results are quantitative estimates and J qualified these results unless they were U qualified due to interferences.

4.6 Polychlorinated Biphenyls as Aroclors by USEPA SW-846 Method 8082

PCB results generated by TA for the samples covered in this report are considered usable without limitations.

4.6.1 Holding Times

All samples were extracted and analyzed within the QAPP-specified maximum holding time of 14 days for solid extraction, 14 days to extract from thawing of fish tissue, and 40 days for analysis.

4.6.2 Initial Calibration

The method-specified %RSD and retention time criteria were met for the initial calibrations associated with the PCB sample analysis.

4.6.3 Continuing Calibration

The method-specified %D and retention time criteria were met for the continuing calibrations associated with the PCB sample analysis.

4.6.4 Blanks

No target analytes were detected in the laboratory blanks associated with the PCB sample analysis.

4.6.5 Surrogate Recoveries

Surrogate recoveries associated with the PCB sample analysis were within the laboratory-specified acceptance limits.

4.6.6 Matrix Spike/Matrix Spike Duplicate Accuracy and Precision

MS/MSD recoveries were within the laboratory-specified limits for the PCB sample analysis.

4.6.7 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for the PCB sample analysis.

4.7 Target Analyte List Metals by EPA SW-846 Methods 6020/7471A

Samples covered in this report underwent total metals analysis by EPA SW-846 Methods 6020/7471A at TA. The results are usable with the limitations and exceptions described in Sections 4.7.1 through 4.7.10.

4.7.1 Holding Times

All samples were analyzed for metals within the QAPP-specified technical holding time of 180 days and for mercury within the QAPP-specified technical holding time of 26 days.

4.7.2 Initial Calibration

The initial calibrations associated with the analysis of these samples met the method-specified acceptance criteria.

4.7.3 Initial and Continuing Calibration Verification

All initial calibration verifications (ICVs) and CCVs associated with the analysis of these samples met the method-specified acceptance criteria.

4.7.4 Contract-required Quantitation Limit Check Standard

All contract-required quantitation limit (CRQL) check standards (CRIs) associated with the analysis of these samples were within the method-specified acceptance criteria.

4.7.5 Blanks

Initial and Continuing Calibration Blanks

Target analytes detected at concentrations greater than the MDL in calibration blanks associated with the metals sample analysis are described in the following table.

Blank ID	Detected Analytes	Analyte Concentration	Sample Results U Qualified as Nondetected because of Associated Calibration Blank Results
ICB 6/16/08 ICPMS	Calcium	9.47 µg/L	None
	Manganese	-0.08 µg/L	None
	Selenium	0.24 µg/L	All fish tissue samples
CCB2 6/16/08 ICPMS	Calcium	10.54 µg/L	None
	Magnesium	13.33 µg/L	None
	Manganese	0.17 µg/L	None
	Potassium	11.70 µg/L	None
	Thallium	0.04 µg/L	CC08-03 LB08-01 LB08-02
CCB3 6/16/08 ICPMS	Cadmium	-0.12 µg/L	None
	Iron	-7.86 µg/L	None
	Magnesium	20.47 µg/L	None
	Manganese	0.09 µg/L	None
	Nickel	-0.09 µg/L	None
	Potassium	15.1 µg/L	None
	Silver	-0.03 µg/L	None
	Thallium	0.04 µg/L	LB08-01 LB08-02 LB08-05 BC08-02 BC08-01 CC08-02 CC08-05 LB08-03
	Sodium	17.67 µg/L	None
	Zinc	-0.26 µg/L	None
CCB4 6/16/08 ICPMS	Cadmium	-0.13 µg/L	None
	Calcium	-16.83 µg/L	None
	Iron	-14.48 µg/L	None
	Magnesium	21.94 µg/L	None

Blank ID	Detected Analytes	Analyte Concentration	Sample Results U Qualified as Nondetected because of Associated Calibration Blank Results
	Manganese	0.06 µg/L	None
	Nickel	-0.12 µg/L	None
	Sodium	18.48 µg/L	None
	Thallium	0.03 µg/L	LB08-05 BC08-02 BC08-01 CC08-02 CC08-05 LB08-03 FF08-06
	Zinc	-0.30 µg/L	None
CCB5 6/16/08 ICPMS	Cadmium	-0.13 µg/L	None
	Calcium	-43.96 µg/L	None
	Iron	-14.78 µg/L	None
	Magnesium	22.77 µg/L	None
	Manganese	0.13 µg/L	None
	Nickel	-0.12 µg/L	None
	Silver	-0.03 µg/L	None
	Sodium	16.91 µg/L	None
	Thallium	0.04 µg/L	FF08-06 CC08-04 CC08-01 FF08-01 LB08-06 FF08-03
	Zinc	-0.27 µg/L	None
CCB6 6/16/08 ICPMS	Cadmium	-0.18 µg/L	None
	Calcium	-39.44 µg/L	None
	Iron	-17.37 µg/L	None
	Magnesium	22.78 µg/L	None
	Manganese	0.09 µg/L	None
	Nickel	-0.11 µg/L	None
	Silver	-0.03 µg/L	None
	Sodium	17.45 µg/L	None
	Thallium	0.06 µg/L	CC08-04 CC08-01 FF08-01 LB08-06 FF08-03
	Zinc	-0.37 µg/L	None

Preparation Blanks

Target analytes detected at concentrations greater than the MDL or CRQL in preparation blanks and Region II specified qualification criteria associated with the metals sample analysis are described in the following table.

Blank ID	Detected Analytes	Analyte Concentration	Sample Results R Qualified and Rejected because of Associated Preparation Blank Results	Sample Results J Qualified as Estimated because of Associated Preparation Blank Results	Sample Results U Qualified as Nondetected because of Associated Preparation Blank Results
C8F090000-190	Chromium	0.14 milligrams per kilogram (mg/kg)	None	None	None
	Copper	0.014 mg/kg	None	None	None
	Lead	0.0076 mg/kg	None	None	None
	Thallium	0.0034 mg/kg	None	None	SD08-41 (0-6)
	Vanadium	0.040 mg/kg	None	None	None
	Zinc	0.059 mg/kg	None	None	None
Tissue Prep Blank	Aluminum	1.9 µg/L	None	None	CC08-03 LB08-01 LB08-02 LB08-05 BC08-02 BC08-01 CC08-02 CC08-05 LB08-03 LB08-04 WS08-05 WS08-01 WS08-04 WS08-02 WS08-03 BC08-04 BC08-03 CC08-04 CC08-01 LB08-06

Blank ID	Detected Analytes	Analyte Concentration	Sample Results R Qualified and Rejected because of Associated Preparation Blank Results	Sample Results J Qualified as Estimated because of Associated Preparation Blank Results	Sample Results U Qualified as Nondetected because of Associated Preparation Blank Results
Tissue Prep Blank	Barium	0.54 µg/L	None	None	CC08-03 LB08-01 LB08-02 LB08-05 BC08-02 BC08-01 CC08-02 CC08-05 LB08-03 LB08-04 WS08-05 WS08-01 WS08-04 WS08-02 WS08-03 BC08-04 BC08-03 CC08-04 CC08-01 LB08-06 FF08-03
	Calcium	846 µg/L	CC08-05	CC08-03 LB08-01 LB08-02 BC08-01 CC08-02 LB08-03 LB08-04 WS08-04 WS08-02 BC08-04 BC08-03 CC08-04 CC08-01 LB08-06	None

Blank ID	Detected Analytes	Analyte Concentration	Sample Results R Qualified and Rejected because of Associated Preparation Blank Results	Sample Results J Qualified as Estimated because of Associated Preparation Blank Results	Sample Results U Qualified as Nondetected because of Associated Preparation Blank Results
Tissue Prep Blank	Cobalt	0.019 µg/L	None	None	CC08-03 LB08-01 LB08-02 LB08-05 BC08-02 BC08-01 CC08-02 CC08-05 LB08-03 LB08-04 WS08-05 WS08-01 WS08-04 WS08-02 WS08-03 BC08-03 FF08-02 FF08-05 FF08-04 CC08-04 CC08-01 LB08-06 FF08-01 FF08-03
	Chromium	7.3 µg/L	CC08-03 LB08-01 LB08-02 LB08-05 BC08-02 BC08-01 WS08-01 WS08-04 WS08-02 WS08-03 BC08-04 BC08-03 FF08-05 FF08-04 FF08-06 CC08-04 CC08-01 LB08-06 FF08-01 FF08-03	CC08-02 CC08-05 LB08-03 LB08-04 WS08-05	None
	Copper	0.41 µg/L	None	None	None
	Potassium	19.8 µg/L	None	None	None
	Magnesium	52.4 µg/L	None	None	None
	Manganese	0.12 µg/L	None	None	None

Blank ID	Detected Analytes	Analyte Concentration	Sample Results R Qualified and Rejected because of Associated Preparation Blank Results	Sample Results J Qualified as Estimated because of Associated Preparation Blank Results	Sample Results U Qualified as Nondetected because of Associated Preparation Blank Results
Tissue Prep Blank	Sodium	176 µg/L	None	None	None
	Lead	0.70 µg/L			LB08-01 LB08-02 LB08-05 BC08-02 BC08-01 CC08-05 LB08-03 LB08-04 WS08-05 WS08-01 WS08-04 WS08-02 WS08-03 BC08-04 BC08-03 CC08-01 LB08-06
	Thallium	0.15 µg/L	None	None	CC08-03 LB08-01 LB08-02 LB08-05 BC08-02 BC08-01 CC08-02 CC08-05 LB08-03 FF08-06 CC08-04 CC08-01 LB08-06 FF08-01 FF08-03

Blank ID	Detected Analytes	Analyte Concentration	Sample Results R Qualified and Rejected because of Associated Preparation Blank Results	Sample Results J Qualified as Estimated because of Associated Preparation Blank Results	Sample Results U Qualified as Nondetected because of Associated Preparation Blank Results
	Antimony	0.10 µg/L	None	None	CC08-03 LB08-01 LB08-02 LB08-05 BC08-02 BC08-01 CC08-02 LB08-03 LB08-04 WS08-05 WS08-04 WS08-02 WS08-03 FF08-06 CC08-04 CC08-01 LB08-06 FF08-01 FF08-03
	Vanadium	1.7 µg/L	LB08-01 CC08-05 WS08-04 BC08-04 BC08-03 FF08-06 LB08-06 FF08-01	CC08-02 LB08-03 LB08-04 WS08-01 CC08-01	CC08-03 BC08-02 BC08-01 FF08-02 FF08-05 CC08-04 FF08-03
	Zinc	4.5 µg/L	None	None	None
C8F090000-191	Chromium	0.12 mg/kg	None	None	None
	Copper	0.012 mg/kg	None	None	None
	Lead	0.0045 mg/kg	None	None	LB08-01 LB08-02 LB08-05 BC08-02 BC08-01 CC08-05 LB08-03 LB08-04 WS08-05 WS08-01 WS08-04 WS08-02 WS08-03 BC08-04 BC08-03

Blank ID	Detected Analytes	Analyte Concentration	Sample Results R Qualified and Rejected because of Associated Preparation Blank Results	Sample Results J Qualified as Estimated because of Associated Preparation Blank Results	Sample Results U Qualified as Nondetected because of Associated Preparation Blank Results
C8F090000-191	Thallium	0.0094 mg/kg	None	None	CC08-03 LB08-01 LB08-02 LB08-05 BC08-02 BC08-01 CC08-02 CC08-05 LB08-03
	Antimony	0.0088 mg/kg	None	None	CC08-03 LB08-02 LB08-05 BC08-02 BC08-01 CC08-02 LB08-03 LB08-04 WS08-05 WS08-04 WS08-02 WS08-03 FF08-02 FF08-05
	Vanadium	0.032 mg/kg	None	None	CC08-03 BC08-02 BC08-01
	Zinc	0.060 mg/kg	None	None	None
C8F090000-196	Chromium	0.16 mg/kg	None	None	None
	Copper	0.016 mg/kg	None	None	None
	Vanadium	0.053 mg/kg	None	None	CC08-04 FF08-03
	Zinc	0.024 mg/kg	None	None	None

4.7.6 Inductively Coupled Plasma Interference Check Sample

All interference check samples (ICSs) exhibited recoveries within the 80% to 120% method-specified acceptance limits.

4.7.7 Laboratory Control Sample Recovery

Recoveries were within the method-specified acceptance limits in all LCS samples associated with the metals sample analysis.

4.7.8 Matrix Spike/Matrix Spike Duplicate Accuracy and Precision

MS/MSD recoveries outside the laboratory-specified limits for the metals sample analysis are described below.

- MS/MSD analysis was performed on sample SD08-41 (0-6). Magnesium (255% MS) and selenium (71% MS) recoveries were outside than the laboratory-specified limits. In addition, aluminum, calcium, manganese, iron, and lead were not recovered in the MS/MSD analysis. Specific limitations include the following:
    - AMEC J qualified the detected magnesium result from sample SD08-41 (0-6) because of possible high bias due to potential matrix interference.
    - AMEC J qualified the detected selenium and lead results from sample SD08-41 (0-6) because of possible low bias due to potential matrix interference.
    - The aluminum, calcium, manganese, and iron concentrations in the sample were greater than four times the associated spike concentrations; therefore, data usability could not be fully evaluated due to the high sample concentrations for these analytes. Data usability is not adversely affected.
- MS/MSD analysis was performed on sample CC08-03. The potassium recovery of 71% in the MS less than the laboratory-specified limits. AMEC J qualified the detected potassium results from the following samples because of possible low bias due to potential matrix interference: CC08-03, LB08-01, LB08-02, LB08-05, BC08-02, BC08-01, CC08-02, CC08-05, LB08-03, LB08-04, WS08-05, WS08-01, WS08-04, WS08-02, WS08-03, BC08-04, BC08-03, FF08-02, FF08-05, and FF08-04.
- MS/MSD analysis was performed on sample FF08-06. Aluminum (176% MSD), calcium (232%/439%), iron (190% MSD), sodium (74% MS), and lead (192% MSD) recoveries were outside the laboratory-specified limits. In addition, the aluminum (42%), calcium (34%), iron (48%), and lead (50%) %RPDs were greater than the laboratory-specified 20% acceptance limit. Specific limitations include the following:
    - AMEC J qualified (unless U qualified due to blank contamination) the detected aluminum, calcium, iron, and lead results from the following samples because

of possible high bias due to potential matrix interference: FF08-06, CC08-04, CC08-01, LB08-06, FF08-01, and FF08-03.

- AMEC J qualified the detected sodium results from the following samples because of possible low bias due to potential matrix interference: FF08-06, CC08-04, CC08-01, LB08-06, FF08-01, and FF08-03.

4.7.9 Serial Dilution Results

The silver percent difference of 14.8% was outside the method-specified 10% acceptance limit in the serial dilution analysis of sample SD08-41 (0-6). AMEC J qualified the detected silver result from this sample because of possible bias due to potential matrix interference.

The chromium (39.7% and 47.2%) and zinc (13.3% and 13.8%) percent differences were outside the method-specified 10% acceptance limit in the serial dilution analyses of samples CC08-03 and FF08-06, respectively. AMEC J qualified (unless R qualified due to method blank contamination) the detected chromium and zinc results from all fish tissue samples because of possible bias due to potential matrix interference.

4.7.10 Data Reporting and Analytical Procedures

The laboratory B qualified detected results with concentrations between the MDL and CRQL. AMEC concurs that these results are quantitative estimates and J qualified these results unless they were U qualified due to blank contamination.

4.8 Cyanide, Total Organic Carbon, and Lipid Content

Cyanide, TOC, and lipid content results generated by TA for the samples covered in this report may be considered usable with the limitations described below.

Cyanide was detected in method blank C8E210000327B. The cyanide result in the associated sample was greater than the RL and five times greater than the method blank concentration; therefore, data usability is not adversely affected by the method blank results.

The laboratory B qualified detected results with concentrations between the MDL and CRQL. AMEC concurs that these results are quantitative estimates and J qualified these results.

5.0 SUMMARY AND CONCLUSIONS

AMEC's review indicates the data from this event are generally usable and of good quality. The types of qualifications applied to the dataset included rejected (R), nondetected data (U), and estimated data (J or UJ).

Rejected Data. The nondetected 4,4'-DDT result from sample CC08-04 was rejected because of a very low matrix spike recovery. In addition, the chromium and/or vanadium results in a number of samples were rejected because of associated blank results above the CRQL.

Nondetected Qualified Data. A number of detected metal, VOC, and pesticide results were U qualified as nondetected because of contamination in the associated laboratory blanks or interferences. Results that were U qualified as nondetected were not further qualified due to other associated QC outliers.

Estimated Data. Portions of the VOC, SVOC, pesticide, metals, and percent lipids data were qualified as estimated due to calibration issues, a high surrogate recovery, high and low matrix spike recoveries, serial dilution imprecision, and concentrations between the MDLs and RLs.

Data Completeness Assessment. A total of 1,519 data records were evaluated during the data validation and review of the sample results. Of the total data records, 204 records (13%) were qualified as estimated concentrations. Estimated concentrations may be associated with either the nondetected concentration limits (UJ) or the concentration of detected target analytes (J). Of the total data records, 308 (20%) were qualified as nondetected as a result of a detection of a target analyte in the associated blanks or interferences. Of the total data records, 29 (1.9%) were rejected due to a very low MS recovery or method blank results. The PCB, cyanide, and TOC did not require qualification.

Ninety eight percent of the data should be considered valid which meets the 90% project data quality objective.

REFERENCES

AMEC, 2008. Sampling and Analysis Plan, Volume II - Quality Assurance Project Plan, Koppers Pond, Kentucky Avenue Wellfield Site, Operable Unit 4, Horseheads, New York.

EPA, 1999. *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, USEPA-540-R-99-008.

EPA, 2004. *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, EPA 540-R-04-004.

EPA, 2006. USEPA Region 10, Clarification of SW-846 Method 8081 and Supplemental Guidance for Data Review, May 3, 2006

LIMITATIONS

This report was prepared exclusively for Koppers Pond PRP Group by AMEC Earth & Environmental, Inc. (AMEC). The quality of information, conclusions, and estimates contained herein is consistent with the level of effort involved in AMEC services and based on: i) information available at the time of preparation, ii) data supplied by outside sources, and iii) the assumptions, conditions, and qualifications set forth in this report. This Data Validation Report is intended to be used by Koppers Pond PRP Group for the Remedial Investigation/Feasibility Study, Koppers Pond, Kentucky Avenue Wellfield Superfund Site, Operable Unit 4, Horseheads, New York only, subject to the terms and conditions of its contract with AMEC. Any other use of, or reliance on, this report by any third party is at that party's sole risk.

TABLES

TABLE 1
Field Samples Submitted to TestAmerica
Koppers Pond
SDG C8E170109

Sample ID	Collection Date	Matrix	TestAmerica Sample ID	Data Validation Level	VOCs	SVOCs	Pesticides	PCBs	Metals	Lipid Content	TOC	Cyanide	Notes
SD08-41 (0-6)	5/15/2008	Sediment	C8E170109-001	DQR	√	√	√	√	√		√	√	
CC08-03	5/16/2008	Tissue	C8E170109-002	Full			√	√	√	√			MS/MSD
LB08-01	5/16/2008	Tissue	C8E170109-003	DQR			√	√	√	√			
LB08-02	5/16/2008	Tissue	C8E170109-004	DQR			√	√	√	√			
LB08-05	5/16/2008	Tissue	C8E170109-005	DQR			√	√	√	√			
BC08-02	5/16/2008	Tissue	C8E170109-006	Full			√	√	√	√			
BC08-01	5/16/2008	Tissue	C8E170109-007	DQR			√	√	√	√			
CC08-02	5/16/2008	Tissue	C8E170109-008	DQR			√	√	√	√			
CC08-05	5/16/2008	Tissue	C8E170109-009	DQR			√	√	√	√			
LB08-03	5/16/2008	Tissue	C8E170109-010	Full			√	√	√	√			
LB08-04	5/16/2008	Tissue	C8E170109-011	DQR			√	√	√	√			
WS08-05	5/16/2008	Tissue	C8E170109-012	DQR			√	√	√	√			
WS08-01	5/16/2008	Tissue	C8E170109-013	DQR			√	√	√	√			
WS08-04	5/16/2008	Tissue	C8E170109-014	DQR			√	√	√	√			
WS08-02	5/16/2008	Tissue	C8E170109-015	DQR			√	√	√	√			
WS08-03	5/16/2008	Tissue	C8E170109-016	Full			√	√	√	√			
BC08-04	5/16/2008	Tissue	C8E170109-017	DQR			√	√	√	√			
BC08-03	5/16/2008	Tissue	C8E170109-018	DQR			√	√	√	√			
FF08-02	5/16/2008	Tissue	C8E170109-019	Full			√	√	√	√			
FF08-05	5/16/2008	Tissue	C8E170109-020	DQR			√	√	√	√			
FF08-04	5/16/2008	Tissue	C8E170109-021	DQR			√	√	√	√			
FF08-06	5/16/2008	Tissue	C8E170109-022	DQR			√	√	√	√			MS/MSD
CC08-04	5/16/2008	Tissue	C8E170109-023	DQR			√	√	√	√			
CC08-01	5/16/2008	Tissue	C8E170109-024	DQR			√	√	√	√			
LB08-06	5/16/2008	Tissue	C8E170109-025	DQR			√	√	√	√			
FF08-01	5/16/2008	Tissue	C8E170109-026	DQR			√	√	√	√			
FF08-03	5/16/2008	Tissue	C8E170109-027	DQR			√	√	√	√			

DQR = Data quality review as described by Section 10.2.1 of the Quailty Assurance Project Plan,
Quality Assurance Project Plan, Koppers Pond, Kentucky Avenue Wellfield Site, Operable Unit 4, April 2008
ID = identification
MS/MSD = matrix spike/matrix spike duplicate
PCBs = polychlorinated biphenyls
SDG = sample delivery group
SVOCs = semivolatile organic compounds
TOC = total organic carbon
VOCs = volatile organic compounds

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E170109

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-41 (0-6)	Antimony	0.13	mg/kg	SW846 6020	J	DL
SD08-41 (0-6)	Lead	9.2	mg/kg	SW846 6020	J	LM
SD08-41 (0-6)	Magnesium	5420	mg/kg	SW846 6020	J	HM
SD08-41 (0-6)	Selenium	0.19	mg/kg	SW846 6020	J	LM, DL
SD08-41 (0-6)	Thallium	0.095	mg/kg	SW846 6020	U	MB
SD08-41 (0-6)	Mercury	0.015	mg/kg	SW846 7471A	J	DL
SD08-41 (0-6)	Endrin	4.3	ug/kg	SW846 8081A	U	SE
SD08-41 (0-6)	delta-BHC	1.9	ug/kg	SW846 8081A	U	SE
SD08-41 (0-6)	4,4'-DDT	16	ug/kg	SW846 8081A	UJ	LC
SD08-41 (0-6)	Acetone	11	ug/kg	SW846 8260B	J	BC, LC, DL
SD08-41 (0-6)	Methylene chloride	34	ug/kg	SW846 8260B	U	MB
SD08-41 (0-6)	2-Butanone	6.4	ug/kg	SW846 8260B	UJ	LC
SD08-41 (0-6)	Hexachlorocyclopentadiene	630	ug/kg	SW846 8270C	UJ	LC
SD08-41 (0-6)	Benzo(k)fluoranthene	55	ug/kg	SW846 8270C	J	DL
SD08-41 (0-6)	bis(2-Ethylhexyl) phthalate	400	ug/kg	SW846 8270C	J	DL
SD08-41 (0-6)	Benzaldehyde	630	ug/kg	SW846 8270C	UJ	BC
CC08-03	Antimony	0.2	mg/kg	SW846 6020	U	MB
CC08-03	Arsenic	0.068	mg/kg	SW846 6020	J	DL
CC08-03	Barium	1	mg/kg	SW846 6020	U	MB
CC08-03	Nickel	0.03	mg/kg	SW846 6020	J	DL
CC08-03	Potassium	3060	mg/kg	SW846 6020	J	LM
CC08-03	Selenium	0.5	mg/kg	SW846 6020	U	CB
CC08-03	Thallium	0.1	mg/kg	SW846 6020	U	CB, MB
CC08-03	Vanadium	0.1	mg/kg	SW846 6020	U	MB
CC08-03	Zinc	20.2	mg/kg	SW846 6020	J	MI
CC08-03	Chromium	0.53	mg/kg	SW846 6020	R	MB
CC08-03	Calcium	623	mg/kg	SW846 6020	J	MB
CC08-03	Cobalt	0.05	mg/kg	SW846 6020	U	MB
CC08-03	Aluminum	3	mg/kg	SW846 6020	U	MB
CC08-03	Dieldrin	3.5	ug/kg	SW846 8081A	U	SE
CC08-03	Heptachlor epoxide	0.16	ug/kg	SW846 8081A	U	SE
CC08-03	alpha-BHC	0.3	ug/kg	SW846 8081A	U	SE
CC08-03	gamma-Chlordane	11	ug/kg	SW846 8081A	U	SE
CC08-03	Aldrin	1.6	ug/kg	SW846 8081A	U	SE

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E170109

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
CC08-03	4,4'-DDE	0.98	ug/kg	SW846 8081A	U	SE
LB08-01	Antimony	0.2	mg/kg	SW846 6020	U	MB
LB08-01	Arsenic	0.049	mg/kg	SW846 6020	J	DL
LB08-01	Iron	1.8	mg/kg	SW846 6020	J	DL
LB08-01	Lead	0.1	mg/kg	SW846 6020	U	MB
LB08-01	Barium	1	mg/kg	SW846 6020	U	MB
LB08-01	Nickel	0.012	mg/kg	SW846 6020	J	DL
LB08-01	Potassium	3150	mg/kg	SW846 6020	J	LM
LB08-01	Selenium	0.5	mg/kg	SW846 6020	U	CB
LB08-01	Thallium	0.1	mg/kg	SW846 6020	U	CB, MB
LB08-01	Vanadium	0.12	mg/kg	SW846 6020	R	MB
LB08-01	Zinc	6.1	mg/kg	SW846 6020	J	MI
LB08-01	Chromium	0.41	mg/kg	SW846 6020	R	MB
LB08-01	Calcium	110	mg/kg	SW846 6020	J	MB
LB08-01	Cobalt	0.05	mg/kg	SW846 6020	U	MB
LB08-01	Aluminum	3	mg/kg	SW846 6020	U	MB
LB08-01	Percent Lipids	0.065	%	SW846 Total Residue	J	DL
LB08-01	Dieldrin	1.3	ug/kg	SW846 8081A	U	SE
LB08-01	Heptachlor epoxide	1.4	ug/kg	SW846 8081A	U	SE
LB08-01	alpha-BHC	0.35	ug/kg	SW846 8081A	U	SE
LB08-01	alpha-Chlordane	0.88	ug/kg	SW846 8081A	U	SE
LB08-01	gamma-Chlordane	8.6	ug/kg	SW846 8081A	U	SE
LB08-01	Aldrin	1.3	ug/kg	SW846 8081A	U	SE
LB08-01	4,4'-DDE	1.1	ug/kg	SW846 8081A	U	SE
LB08-02	Antimony	0.2	mg/kg	SW846 6020	U	MB
LB08-02	Arsenic	0.068	mg/kg	SW846 6020	J	DL
LB08-02	Iron	2.2	mg/kg	SW846 6020	J	DL
LB08-02	Lead	0.1	mg/kg	SW846 6020	U	MB
LB08-02	Barium	1	mg/kg	SW846 6020	U	MB
LB08-02	Nickel	0.021	mg/kg	SW846 6020	J	DL
LB08-02	Potassium	3230	mg/kg	SW846 6020	J	LM
LB08-02	Selenium	0.5	mg/kg	SW846 6020	U	CB
LB08-02	Thallium	0.1	mg/kg	SW846 6020	U	CB, MB
LB08-02	Zinc	6	mg/kg	SW846 6020	J	MI

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E170109

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
LB08-02	Chromium	0.45	mg/kg	SW846 6020	R	MB
LB08-02	Calcium	247	mg/kg	SW846 6020	J	MB
LB08-02	Cobalt	0.05	mg/kg	SW846 6020	U	MB
LB08-02	Aluminum	3	mg/kg	SW846 6020	U	MB
LB08-02	Percent Lipids	0.064	%	SW846 Total Residue	J	DL
LB08-02	Dieldrin	2.3	ug/kg	SW846 8081A	U	SE
LB08-02	Endosulfan sulfate	0.96	ug/kg	SW846 8081A	U	SE
LB08-02	Heptachlor epoxide	0.76	ug/kg	SW846 8081A	U	SE
LB08-02	alpha-Chlordane	1.4	ug/kg	SW846 8081A	U	SE
LB08-02	Aldrin	1.2	ug/kg	SW846 8081A	U	SE
LB08-02	4,4'-DDE	1.2	ug/kg	SW846 8081A	U	SE
LB08-05	Antimony	0.2	mg/kg	SW846 6020	U	MB
LB08-05	Arsenic	0.081	mg/kg	SW846 6020	J	DL
LB08-05	Lead	0.1	mg/kg	SW846 6020	U	MB
LB08-05	Barium	1	mg/kg	SW846 6020	U	MB
LB08-05	Nickel	0.027	mg/kg	SW846 6020	J	DL
LB08-05	Potassium	3430	mg/kg	SW846 6020	J	LM
LB08-05	Selenium	0.5	mg/kg	SW846 6020	U	CB
LB08-05	Thallium	0.1	mg/kg	SW846 6020	U	CB, MB
LB08-05	Zinc	6	mg/kg	SW846 6020	J	MI
LB08-05	Chromium	0.32	mg/kg	SW846 6020	R	MB
LB08-05	Cobalt	0.05	mg/kg	SW846 6020	U	MB
LB08-05	Aluminum	3	mg/kg	SW846 6020	U	MB
LB08-05	Percent Lipids	0.039	%	SW846 Total Residue	J	DL
LB08-05	Dieldrin	1.6	ug/kg	SW846 8081A	U	SE
LB08-05	Heptachlor epoxide	0.13	ug/kg	SW846 8081A	J	DL
LB08-05	gamma-Chlordane	6.5	ug/kg	SW846 8081A	U	SE
LB08-05	4,4'-DDE	0.4	ug/kg	SW846 8081A	U	SE
BC08-02	Antimony	0.2	mg/kg	SW846 6020	U	MB
BC08-02	Arsenic	0.083	mg/kg	SW846 6020	J	DL
BC08-02	Iron	1.9	mg/kg	SW846 6020	J	DL
BC08-02	Lead	0.1	mg/kg	SW846 6020	U	MB
BC08-02	Barium	1	mg/kg	SW846 6020	U	MB
BC08-02	Nickel	0.043	mg/kg	SW846 6020	J	DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E170109

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
BC08-02	Potassium	2990	mg/kg	SW846 6020	J	LM
BC08-02	Selenium	0.5	mg/kg	SW846 6020	U	CB
BC08-02	Thallium	0.1	mg/kg	SW846 6020	U	CB, MB
BC08-02	Vanadium	0.1	mg/kg	SW846 6020	U	MB
BC08-02	Zinc	8.6	mg/kg	SW846 6020	J	MI
BC08-02	Chromium	0.5	mg/kg	SW846 6020	R	MB
BC08-02	Cobalt	0.05	mg/kg	SW846 6020	U	MB
BC08-02	Aluminum	3	mg/kg	SW846 6020	U	MB
BC08-02	Percent Lipids	0.058	%	SW846 Total Residue	J	DL
BC08-02	Dieldrin	1.4	ug/kg	SW846 8081A	U	SE
BC08-02	Endosulfan sulfate	0.55	ug/kg	SW846 8081A	U	SE
BC08-02	delta-BHC	0.11	ug/kg	SW846 8081A	U	SE
BC08-02	Aldrin	0.26	ug/kg	SW846 8081A	U	SE
BC08-02	4,4'-DDE	0.74	ug/kg	SW846 8081A	U	SE
BC08-01	Antimony	0.5	mg/kg	SW846 6020	U	MB
BC08-01	Iron	3.3	mg/kg	SW846 6020	J	DL
BC08-01	Lead	0.1	mg/kg	SW846 6020	U	MB
BC08-01	Barium	1	mg/kg	SW846 6020	U	MB
BC08-01	Nickel	0.038	mg/kg	SW846 6020	J	DL
BC08-01	Potassium	2660	mg/kg	SW846 6020	J	LM
BC08-01	Selenium	0.5	mg/kg	SW846 6020	U	CB
BC08-01	Thallium	0.1	mg/kg	SW846 6020	U	CB, MB
BC08-01	Vanadium	0.1	mg/kg	SW846 6020	U	MB
BC08-01	Zinc	7.5	mg/kg	SW846 6020	J	MI
BC08-01	Chromium	0.51	mg/kg	SW846 6020	R	MB
BC08-01	Calcium	135	mg/kg	SW846 6020	J	MB
BC08-01	Cobalt	0.05	mg/kg	SW846 6020	U	MB
BC08-01	Aluminum	3	mg/kg	SW846 6020	U	MB
BC08-01	Percent Lipids	0.052	%	SW846 Total Residue	J	DL
BC08-01	Dieldrin	1.7	ug/kg	SW846 8081A	U	SE
BC08-01	Heptachlor	0.093	ug/kg	SW846 8081A	U	SE
BC08-01	gamma-Chlordane	6.1	ug/kg	SW846 8081A	U	SE
BC08-01	Aldrin	0.25	ug/kg	SW846 8081A	U	SE
BC08-01	4,4'-DDE	0.69	ug/kg	SW846 8081A	U	SE

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
CC08-02	Antimony	0.2	mg/kg	SW846 6020	U	MB
CC08-02	Arsenic	0.081	mg/kg	SW846 6020	J	DL
CC08-02	Barium	1	mg/kg	SW846 6020	U	MB
CC08-02	Nickel	0.039	mg/kg	SW846 6020	J	DL
CC08-02	Potassium	2660	mg/kg	SW846 6020	J	LM
CC08-02	Selenium	0.5	mg/kg	SW846 6020	U	CB
CC08-02	Thallium	0.1	mg/kg	SW846 6020	U	CB, MB
CC08-02	Vanadium	0.24	mg/kg	SW846 6020	J	MB
CC08-02	Zinc	10.6	mg/kg	SW846 6020	J	MI
CC08-02	Chromium	1.1	mg/kg	SW846 6020	J	MB, MI
CC08-02	Calcium	689	mg/kg	SW846 6020	J	MB
CC08-02	Cobalt	0.05	mg/kg	SW846 6020	U	MB
CC08-02	Aluminum	3	mg/kg	SW846 6020	U	MB
CC08-02	Endosulfan sulfate	4.1	ug/kg	SW846 8081A	U	SE
CC08-02	Endrin aldehyde	2.2	ug/kg	SW846 8081A	U	SE
CC08-02	Heptachlor epoxide	1.4	ug/kg	SW846 8081A	U	SE
CC08-02	gamma-BHC (Lindane)	0.76	ug/kg	SW846 8081A	U	SE
CC08-02	gamma-Chlordane	18	ug/kg	SW846 8081A	U	SE
CC08-02	Aldrin	0.37	ug/kg	SW846 8081A	U	SE
CC08-02	4,4'-DDD	1.1	ug/kg	SW846 8081A	U	SE
CC08-02	4,4'-DDE	3.6	ug/kg	SW846 8081A	U	SE
CC08-05	Arsenic	0.03	mg/kg	SW846 6020	J	DL
CC08-05	Lead	0.1	mg/kg	SW846 6020	U	MB
CC08-05	Barium	1	mg/kg	SW846 6020	U	MB
CC08-05	Nickel	0.013	mg/kg	SW846 6020	J	DL
CC08-05	Potassium	2940	mg/kg	SW846 6020	J	LM
CC08-05	Selenium	0.5	mg/kg	SW846 6020	U	CB
CC08-05	Thallium	0.1	mg/kg	SW846 6020	U	CB, MB
CC08-05	Vanadium	0.14	mg/kg	SW846 6020	R	MB
CC08-05	Zinc	15.4	mg/kg	SW846 6020	J	MI
CC08-05	Chromium	0.81	mg/kg	SW846 6020	J	MB, MI
CC08-05	Calcium	83.3	mg/kg	SW846 6020	R	MB
CC08-05	Cobalt	0.05	mg/kg	SW846 6020	U	MB
CC08-05	Aluminum	3	mg/kg	SW846 6020	U	MB

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
CC08-05	delta-BHC	1.3	ug/kg	SW846 8081A	U	SE
CC08-05	gamma-Chlordane	6.7	ug/kg	SW846 8081A	U	SE
CC08-05	4,4'-DDD	4.8	ug/kg	SW846 8081A	U	SE
LB08-03	Antimony	0.2	mg/kg	SW846 6020	U	MB
LB08-03	Arsenic	0.067	mg/kg	SW846 6020	J	DL
LB08-03	Iron	2.9	mg/kg	SW846 6020	J	DL
LB08-03	Lead	0.1	mg/kg	SW846 6020	U	MB
LB08-03	Barium	1	mg/kg	SW846 6020	U	MB
LB08-03	Nickel	0.036	mg/kg	SW846 6020	J	DL
LB08-03	Potassium	3150	mg/kg	SW846 6020	J	LM
LB08-03	Selenium	0.5	mg/kg	SW846 6020	U	CB
LB08-03	Thallium	0.1	mg/kg	SW846 6020	U	CB, MB
LB08-03	Vanadium	0.28	mg/kg	SW846 6020	J	MB
LB08-03	Zinc	8.2	mg/kg	SW846 6020	J	MI
LB08-03	Chromium	1.1	mg/kg	SW846 6020	J	MB, MI
LB08-03	Calcium	147	mg/kg	SW846 6020	J	MB
LB08-03	Cobalt	0.05	mg/kg	SW846 6020	U	MB
LB08-03	Aluminum	3	mg/kg	SW846 6020	U	MB
LB08-03	Percent Lipids	0.037	%	SW846 Total Residue	J	DL
LB08-03	gamma-Chlordane	3.6	ug/kg	SW846 8081A	U	SE
LB08-03	4,4'-DDE	0.61	ug/kg	SW846 8081A	U	SE
LB08-04	Antimony	0.2	mg/kg	SW846 6020	U	MB
LB08-04	Iron	1.7	mg/kg	SW846 6020	J	DL
LB08-04	Lead	0.1	mg/kg	SW846 6020	U	MB
LB08-04	Barium	1	mg/kg	SW846 6020	U	MB
LB08-04	Nickel	0.052	mg/kg	SW846 6020	J	DL
LB08-04	Potassium	2630	mg/kg	SW846 6020	J	LM
LB08-04	Selenium	0.5	mg/kg	SW846 6020	U	CB
LB08-04	Vanadium	0.19	mg/kg	SW846 6020	J	MB
LB08-04	Zinc	4.8	mg/kg	SW846 6020	J	MI
LB08-04	Chromium	1.1	mg/kg	SW846 6020	J	MB, MI
LB08-04	Calcium	103	mg/kg	SW846 6020	J	MB
LB08-04	Cobalt	0.05	mg/kg	SW846 6020	U	MB
LB08-04	Aluminum	3	mg/kg	SW846 6020	U	MB

TABLE 2
Data Validation Qualifiers
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
LB08-04	Dieldrin	0.8	ug/kg	SW846 8081A	U	SE
LB08-04	gamma-BHC (Lindane)	1.4	ug/kg	SW846 8081A	U	SE
LB08-04	gamma-Chlordane	2.1	ug/kg	SW846 8081A	U	SE
LB08-04	4,4'-DDE	0.26	ug/kg	SW846 8081A	U	SE
WS08-05	Antimony	0.2	mg/kg	SW846 6020	U	MB
WS08-05	Arsenic	0.036	mg/kg	SW846 6020	J	DL
WS08-05	Lead	0.1	mg/kg	SW846 6020	U	MB
WS08-05	Barium	1	mg/kg	SW846 6020	U	MB
WS08-05	Potassium	2950	mg/kg	SW846 6020	J	LM
WS08-05	Selenium	0.5	mg/kg	SW846 6020	U	CB
WS08-05	Silver	0.0049	mg/kg	SW846 6020	J	DL
WS08-05	Zinc	9.5	mg/kg	SW846 6020	J	MI
WS08-05	Chromium	1.2	mg/kg	SW846 6020	J	MB, MI
WS08-05	Cobalt	0.05	mg/kg	SW846 6020	U	MB
WS08-05	Aluminum	3	mg/kg	SW846 6020	U	MB
WS08-05	Mercury	0.025	mg/kg	SW846 7471A	J	DL
WS08-05	Heptachlor	0.66	ug/kg	SW846 8081A	U	SE
WS08-05	Heptachlor epoxide	0.25	ug/kg	SW846 8081A	U	SE
WS08-05	alpha-Chlordane	1.4	ug/kg	SW846 8081A	U	SE
WS08-05	4,4'-DDE	0.63	ug/kg	SW846 8081A	U	SE
WS08-01	Iron	4.2	mg/kg	SW846 6020	J	DL
WS08-01	Lead	0.1	mg/kg	SW846 6020	U	MB
WS08-01	Barium	1	mg/kg	SW846 6020	U	MB
WS08-01	Nickel	0.055	mg/kg	SW846 6020	J	DL
WS08-01	Potassium	3250	mg/kg	SW846 6020	J	LM
WS08-01	Selenium	0.5	mg/kg	SW846 6020	U	CB
WS08-01	Vanadium	0.23	mg/kg	SW846 6020	J	MB
WS08-01	Zinc	6.4	mg/kg	SW846 6020	J	MI
WS08-01	Chromium	0.4	mg/kg	SW846 6020	R	MB
WS08-01	Cobalt	0.05	mg/kg	SW846 6020	U	MB
WS08-01	Aluminum	3	mg/kg	SW846 6020	U	MB
WS08-01	Mercury	0.018	mg/kg	SW846 7471A	J	DL
WS08-01	Endosulfan sulfate	1.7	ug/kg	SW846 8081A	J	HS
WS08-01	Heptachlor	1.2	ug/kg	SW846 8081A	J	HS

TABLE 2
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
WS08-01	Heptachlor epoxide	0.64	ug/kg	SW846 8081A	U	SE
WS08-01	Aldrin	0.71	ug/kg	SW846 8081A	U	SE
WS08-01	4,4'-DDE	1.1	ug/kg	SW846 8081A	U	SE
WS08-04	Antimony	0.2	mg/kg	SW846 6020	U	MB
WS08-04	Arsenic	0.018	mg/kg	SW846 6020	J	DL
WS08-04	Iron	3.4	mg/kg	SW846 6020	J	DL
WS08-04	Lead	0.1	mg/kg	SW846 6020	U	MB
WS08-04	Barium	1	mg/kg	SW846 6020	U	MB
WS08-04	Nickel	0.042	mg/kg	SW846 6020	J	DL
WS08-04	Potassium	3480	mg/kg	SW846 6020	J	LM
WS08-04	Selenium	0.5	mg/kg	SW846 6020	U	CB
WS08-04	Vanadium	0.15	mg/kg	SW846 6020	R	MB
WS08-04	Zinc	8	mg/kg	SW846 6020	J	MI
WS08-04	Chromium	0.39	mg/kg	SW846 6020	R	MB
WS08-04	Calcium	730	mg/kg	SW846 6020	J	MB
WS08-04	Cobalt	0.05	mg/kg	SW846 6020	U	MB
WS08-04	Aluminum	3	mg/kg	SW846 6020	U	MB
WS08-04	Mercury	0.013	mg/kg	SW846 7471A	J	DL
WS08-04	Dieldrin	0.98	ug/kg	SW846 8081A	U	SE
WS08-04	Endosulfan sulfate	0.82	ug/kg	SW846 8081A	U	SE
WS08-04	Heptachlor	1.2	ug/kg	SW846 8081A	J	HS
WS08-04	Heptachlor epoxide	0.52	ug/kg	SW846 8081A	U	SE
WS08-04	gamma-BHC (Lindane)	0.55	ug/kg	SW846 8081A	U	SE
WS08-04	alpha-Chlordane	1.3	ug/kg	SW846 8081A	J	HS
WS08-04	gamma-Chlordane	5.8	ug/kg	SW846 8081A	J	HS
WS08-04	Aldrin	0.4	ug/kg	SW846 8081A	U	SE
WS08-04	4,4'-DDE	0.54	ug/kg	SW846 8081A	U	SE
WS08-02	Antimony	0.2	mg/kg	SW846 6020	U	MB
WS08-02	Lead	0.1	mg/kg	SW846 6020	U	MB
WS08-02	Barium	1	mg/kg	SW846 6020	U	MB
WS08-02	Nickel	0.054	mg/kg	SW846 6020	J	DL
WS08-02	Potassium	3340	mg/kg	SW846 6020	J	LM
WS08-02	Selenium	0.5	mg/kg	SW846 6020	U	CB
WS08-02	Zinc	6.8	mg/kg	SW846 6020	J	MI

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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
WS08-02	Chromium	0.4	mg/kg	SW846 6020	R	MB
WS08-02	Calcium	667	mg/kg	SW846 6020	J	MB
WS08-02	Cobalt	0.05	mg/kg	SW846 6020	U	MB
WS08-02	Aluminum	3	mg/kg	SW846 6020	U	MB
WS08-02	Mercury	0.021	mg/kg	SW846 7471A	J	DL
WS08-02	Dieldrin	1.2	ug/kg	SW846 8081A	U	SE
WS08-02	Endosulfan sulfate	1.1	ug/kg	SW846 8081A	J	HS
WS08-02	Heptachlor epoxide	0.61	ug/kg	SW846 8081A	U	SE
WS08-02	gamma-Chlordane	7.9	ug/kg	SW846 8081A	J	HS
WS08-02	Aldrin	1.4	ug/kg	SW846 8081A	U	SE
WS08-02	4,4'-DDE	1.1	ug/kg	SW846 8081A	U	SE
WS08-03	Antimony	0.2	mg/kg	SW846 6020	U	MB
WS08-03	Iron	4.4	mg/kg	SW846 6020	J	DL
WS08-03	Lead	0.1	mg/kg	SW846 6020	U	MB
WS08-03	Barium	1	mg/kg	SW846 6020	U	MB
WS08-03	Nickel	0.079	mg/kg	SW846 6020	J	DL
WS08-03	Potassium	3000	mg/kg	SW846 6020	J	LM
WS08-03	Selenium	0.5	mg/kg	SW846 6020	U	CB
WS08-03	Zinc	7	mg/kg	SW846 6020	J	MI
WS08-03	Chromium	0.34	mg/kg	SW846 6020	R	MB
WS08-03	Cobalt	0.05	mg/kg	SW846 6020	U	MB
WS08-03	Aluminum	3	mg/kg	SW846 6020	U	MB
WS08-03	Mercury	0.011	mg/kg	SW846 7471A	J	DL
WS08-03	Dieldrin	1.6	ug/kg	SW846 8081A	U	SE
WS08-03	Endosulfan sulfate	1.1	ug/kg	SW846 8081A	U	SE
WS08-03	Heptachlor epoxide	0.52	ug/kg	SW846 8081A	U	SE
WS08-03	gamma-BHC (Lindane)	1.3	ug/kg	SW846 8081A	U	SE
WS08-03	gamma-Chlordane	5.9	ug/kg	SW846 8081A	U	SE
WS08-03	Aldrin	1.2	ug/kg	SW846 8081A	U	SE
WS08-03	4,4'-DDE	0.36	ug/kg	SW846 8081A	U	SE
BC08-04	Iron	1.9	mg/kg	SW846 6020	J	DL
BC08-04	Lead	0.1	mg/kg	SW846 6020	U	MB
BC08-04	Barium	1	mg/kg	SW846 6020	U	MB
BC08-04	Nickel	0.022	mg/kg	SW846 6020	J	DL

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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
BC08-04	Potassium	2800	mg/kg	SW846 6020	J	LM
BC08-04	Selenium	0.5	mg/kg	SW846 6020	U	CB
BC08-04	Vanadium	0.15	mg/kg	SW846 6020	R	MB
BC08-04	Zinc	7.6	mg/kg	SW846 6020	J	MI
BC08-04	Chromium	0.46	mg/kg	SW846 6020	R	MB
BC08-04	Calcium	142	mg/kg	SW846 6020	J	MB
BC08-04	Aluminum	3	mg/kg	SW846 6020	U	MB
BC08-04	Percent Lipids	0.038	%	SW846 Total Residue	J	DL
BC08-04	Dieldrin	3.4	ug/kg	SW846 8081A	U	SE
BC08-04	Endosulfan sulfate	5.2	ug/kg	SW846 8081A	U	SE
BC08-04	Endrin aldehyde	2.1	ug/kg	SW846 8081A	U	SE
BC08-04	Heptachlor epoxide	0.42	ug/kg	SW846 8081A	U	SE
BC08-04	delta-BHC	0.14	ug/kg	SW846 8081A	U	SE
BC08-04	alpha-Chlordane	2.5	ug/kg	SW846 8081A	J	HS
BC08-04	gamma-Chlordane	13	ug/kg	SW846 8081A	J	HS
BC08-04	Aldrin	0.17	ug/kg	SW846 8081A	U	SE
BC08-04	4,4'-DDE	3.4	ug/kg	SW846 8081A	U	SE
BC08-03	Arsenic	0.072	mg/kg	SW846 6020	J	DL
BC08-03	Iron	3	mg/kg	SW846 6020	J	DL
BC08-03	Lead	0.1	mg/kg	SW846 6020	U	MB
BC08-03	Barium	1	mg/kg	SW846 6020	U	MB
BC08-03	Nickel	0.024	mg/kg	SW846 6020	J	DL
BC08-03	Potassium	2530	mg/kg	SW846 6020	J	LM
BC08-03	Selenium	0.5	mg/kg	SW846 6020	U	CB
BC08-03	Vanadium	0.11	mg/kg	SW846 6020	R	MB
BC08-03	Zinc	8.1	mg/kg	SW846 6020	J	MI
BC08-03	Chromium	0.47	mg/kg	SW846 6020	R	MB
BC08-03	Calcium	710	mg/kg	SW846 6020	J	MB
BC08-03	Cobalt	0.05	mg/kg	SW846 6020	U	MB
BC08-03	Aluminum	3	mg/kg	SW846 6020	U	MB
BC08-03	Percent Lipids	0.088	%	SW846 Total Residue	J	DL
BC08-03	Dieldrin	2.5	ug/kg	SW846 8081A	U	SE
BC08-03	Endrin aldehyde	0.49	ug/kg	SW846 8081A	U	SE
BC08-03	Heptachlor	0.18	ug/kg	SW846 8081A	U	SE

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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
BC08-03	Heptachlor epoxide	0.59	ug/kg	SW846 8081A	U	SE
BC08-03	gamma-Chlordane	11	ug/kg	SW846 8081A	U	SE
BC08-03	Aldrin	0.43	ug/kg	SW846 8081A	U	SE
BC08-03	4,4'-DDE	1.8	ug/kg	SW846 8081A	U	SE
FF08-02	Antimony	0.2	mg/kg	SW846 6020	U	MB
FF08-02	Arsenic	0.053	mg/kg	SW846 6020	J	DL
FF08-02	Potassium	2180	mg/kg	SW846 6020	J	LM
FF08-02	Selenium	0.5	mg/kg	SW846 6020	U	CB
FF08-02	Vanadium	0.1	mg/kg	SW846 6020	U	MB
FF08-02	Zinc	13	mg/kg	SW846 6020	J	MI
FF08-02	Chromium	0.41	mg/kg	SW846 6020	J	MI
FF08-02	Cadmium	0.044	mg/kg	SW846 6020	J	DL
FF08-02	Cobalt	0.05	mg/kg	SW846 6020	U	MB
FF08-02	Mercury	0.019	mg/kg	SW846 7471A	J	DL
FF08-02	Dieldrin	2.2	ug/kg	SW846 8081A	U	SE
FF08-02	Endosulfan sulfate	2.5	ug/kg	SW846 8081A	J	HS
FF08-02	Endrin aldehyde	0.6	ug/kg	SW846 8081A	U	SE
FF08-02	Heptachlor	0.35	ug/kg	SW846 8081A	U	SE
FF08-02	Heptachlor epoxide	2.3	ug/kg	SW846 8081A	U	SE
FF08-02	beta-BHC	0.78	ug/kg	SW846 8081A	U	SE
FF08-02	alpha-Chlordane	2.5	ug/kg	SW846 8081A	U	SE
FF08-02	gamma-Chlordane	13	ug/kg	SW846 8081A	J	HS
FF08-02	4,4'-DDD	3.9	ug/kg	SW846 8081A	U	SE
FF08-02	4,4'-DDE	3.3	ug/kg	SW846 8081A	U	SE
FF08-05	Antimony	0.2	mg/kg	SW846 6020	U	MB
FF08-05	Arsenic	0.073	mg/kg	SW846 6020	J	DL
FF08-05	Potassium	2750	mg/kg	SW846 6020	J	LM
FF08-05	Selenium	0.5	mg/kg	SW846 6020	U	CB
FF08-05	Silver	0.013	mg/kg	SW846 6020	J	DL
FF08-05	Vanadium	0.1	mg/kg	SW846 6020	U	MB
FF08-05	Zinc	19.7	mg/kg	SW846 6020	J	MI
FF08-05	Chromium	0.45	mg/kg	SW846 6020	R	MB
FF08-05	Cobalt	0.05	mg/kg	SW846 6020	U	MB
FF08-05	Mercury	0.011	mg/kg	SW846 7471A	J	DL

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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
FF08-05	Dieldrin	3.3	ug/kg	SW846 8081A	U	SE
FF08-05	Endosulfan sulfate	1.7	ug/kg	SW846 8081A	U	SE
FF08-05	Endrin aldehyde	1.7	ug/kg	SW846 8081A	J	HS
FF08-05	Heptachlor	0.39	ug/kg	SW846 8081A	U	SE
FF08-05	Heptachlor epoxide	0.75	ug/kg	SW846 8081A	U	SE
FF08-05	alpha-Chlordane	2	ug/kg	SW846 8081A	U	SE
FF08-05	gamma-Chlordane	11	ug/kg	SW846 8081A	U	SE
FF08-05	Aldrin	0.85	ug/kg	SW846 8081A	U	SE
FF08-05	4,4'-DDE	1.4	ug/kg	SW846 8081A	U	SE
FF08-04	Arsenic	0.079	mg/kg	SW846 6020	J	DL
FF08-04	Potassium	2480	mg/kg	SW846 6020	J	LM
FF08-04	Selenium	0.5	mg/kg	SW846 6020	U	CB
FF08-04	Silver	0.005	mg/kg	SW846 6020	J	DL
FF08-04	Zinc	18.6	mg/kg	SW846 6020	J	MI
FF08-04	Chromium	0.42	mg/kg	SW846 6020	R	MB
FF08-04	Cadmium	0.059	mg/kg	SW846 6020	J	DL
FF08-04	Cobalt	0.05	mg/kg	SW846 6020	U	MB
FF08-04	Mercury	0.019	mg/kg	SW846 7471A	J	DL
FF08-04	Dieldrin	4.2	ug/kg	SW846 8081A	U	SE
FF08-04	Endosulfan sulfate	2.4	ug/kg	SW846 8081A	U	SE
FF08-04	Endrin aldehyde	3	ug/kg	SW846 8081A	J	HS
FF08-04	Heptachlor	0.62	ug/kg	SW846 8081A	U	SE
FF08-04	Heptachlor epoxide	2.7	ug/kg	SW846 8081A	U	SE
FF08-04	beta-BHC	0.58	ug/kg	SW846 8081A	J	HS
FF08-04	alpha-Chlordane	4	ug/kg	SW846 8081A	U	SE
FF08-04	gamma-Chlordane	19	ug/kg	SW846 8081A	U	SE
FF08-04	4,4'-DDE	3.7	ug/kg	SW846 8081A	U	SE
FF08-06	Antimony	0.2	mg/kg	SW846 6020	U	MB
FF08-06	Arsenic	0.097	mg/kg	SW846 6020	J	DL
FF08-06	Iron	27.7	mg/kg	SW846 6020	J	HM
FF08-06	Lead	0.48	mg/kg	SW846 6020	J	HM
FF08-06	Selenium	0.5	mg/kg	SW846 6020	U	CB
FF08-06	Silver	0.0028	mg/kg	SW846 6020	J	DL
FF08-06	Sodium	1010	mg/kg	SW846 6020	J	LM

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E170109

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
FF08-06	Thallium	0.1	mg/kg	SW846 6020	U	CB, MB
FF08-06	Vanadium	0.15	mg/kg	SW846 6020	R	MB
FF08-06	Zinc	17.3	mg/kg	SW846 6020	J	MI
FF08-06	Chromium	0.51	mg/kg	SW846 6020	R	MB
FF08-06	Cadmium	0.055	mg/kg	SW846 6020	J	DL
FF08-06	Calcium	13700	mg/kg	SW846 6020	J	HM
FF08-06	Aluminum	12.8	mg/kg	SW846 6020	J	HM
FF08-06	Mercury	0.019	mg/kg	SW846 7471A	J	DL
FF08-06	Dieldrin	1.2	ug/kg	SW846 8081A	U	SE
FF08-06	Endosulfan sulfate	0.55	ug/kg	SW846 8081A	U	SE
FF08-06	Heptachlor	0.76	ug/kg	SW846 8081A	U	SE
FF08-06	Heptachlor epoxide	1.4	ug/kg	SW846 8081A	U	SE
FF08-06	delta-BHC	0.15	ug/kg	SW846 8081A	U	SE
FF08-06	alpha-Chlordane	1.6	ug/kg	SW846 8081A	U	SE
FF08-06	gamma-Chlordane	5.8	ug/kg	SW846 8081A	J	HS
FF08-06	Aldrin	0.11	ug/kg	SW846 8081A	U	SE
FF08-06	4,4'-DDE	1.1	ug/kg	SW846 8081A	U	SE
CC08-04	Antimony	0.2	mg/kg	SW846 6020	U	MB
CC08-04	Arsenic	0.07	mg/kg	SW846 6020	J	DL
CC08-04	Iron	12.1	mg/kg	SW846 6020	J	HM
CC08-04	Lead	0.17	mg/kg	SW846 6020	J	HM
CC08-04	Barium	1	mg/kg	SW846 6020	U	MB
CC08-04	Nickel	0.034	mg/kg	SW846 6020	J	DL
CC08-04	Selenium	0.5	mg/kg	SW846 6020	U	CB
CC08-04	Sodium	483	mg/kg	SW846 6020	J	LM
CC08-04	Thallium	0.1	mg/kg	SW846 6020	U	CB, MB
CC08-04	Vanadium	0.1	mg/kg	SW846 6020	U	MB
CC08-04	Zinc	10.5	mg/kg	SW846 6020	J	MI
CC08-04	Chromium	0.32	mg/kg	SW846 6020	R	MB
CC08-04	Calcium	748	mg/kg	SW846 6020	J	HM, MB
CC08-04	Cobalt	0.05	mg/kg	SW846 6020	U	MB
CC08-04	Aluminum	3	mg/kg	SW846 6020	U	MB
CC08-04	Mercury	0.025	mg/kg	SW846 7471A	J	DL
CC08-04	Dieldrin	4.4	ug/kg	SW846 8081A	U	SE

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E170109

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
CC08-04	Endosulfan sulfate	3.8	ug/kg	SW846 8081A	J	HS
CC08-04	Endrin aldehyde	2	ug/kg	SW846 8081A	U	SE
CC08-04	Heptachlor	0.43	ug/kg	SW846 8081A	U	SE
CC08-04	Heptachlor epoxide	1.7	ug/kg	SW846 8081A	U	SE
CC08-04	gamma-Chlordane	16	ug/kg	SW846 8081A	U	SE
CC08-04	4,4'-DDD	0.71	ug/kg	SW846 8081A	U	SE
CC08-04	4,4'-DDE	3.2	ug/kg	SW846 8081A	U	SE
CC08-04	4,4'-DDT	0.42	ug/kg	SW846 8081A	R	LM
CC08-01	Antimony	0.2	mg/kg	SW846 6020	U	MB
CC08-01	Arsenic	0.036	mg/kg	SW846 6020	J	DL
CC08-01	Iron	9.9	mg/kg	SW846 6020	J	HM
CC08-01	Lead	0.1	mg/kg	SW846 6020	U	MB
CC08-01	Barium	1	mg/kg	SW846 6020	U	MB
CC08-01	Nickel	0.022	mg/kg	SW846 6020	J	DL
CC08-01	Selenium	0.5	mg/kg	SW846 6020	U	CB
CC08-01	Sodium	495	mg/kg	SW846 6020	J	LM
CC08-01	Thallium	0.1	mg/kg	SW846 6020	U	CB, MB
CC08-01	Vanadium	0.18	mg/kg	SW846 6020	J	MB
CC08-01	Zinc	26.1	mg/kg	SW846 6020	J	MI
CC08-01	Chromium	0.39	mg/kg	SW846 6020	R	MB
CC08-01	Calcium	132	mg/kg	SW846 6020	J	HM, MB
CC08-01	Cobalt	0.05	mg/kg	SW846 6020	U	MB
CC08-01	Aluminum	3	mg/kg	SW846 6020	U	MB
CC08-01	Dieldrin	2.8	ug/kg	SW846 8081A	U	SE
CC08-01	Endosulfan sulfate	2.3	ug/kg	SW846 8081A	U	SE
CC08-01	Endrin aldehyde	0.63	ug/kg	SW846 8081A	U	SE
CC08-01	Heptachlor	0.46	ug/kg	SW846 8081A	U	SE
CC08-01	Heptachlor epoxide	1	ug/kg	SW846 8081A	U	SE
CC08-01	gamma-Chlordane	13	ug/kg	SW846 8081A	U	SE
CC08-01	4,4'-DDD	0.64	ug/kg	SW846 8081A	U	SE
CC08-01	4,4'-DDE	3.4	ug/kg	SW846 8081A	U	SE
LB08-06	Antimony	0.2	mg/kg	SW846 6020	U	MB
LB08-06	Arsenic	0.028	mg/kg	SW846 6020	J	DL
LB08-06	Iron	0.85	mg/kg	SW846 6020	J	HM, DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E170109

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
LB08-06	Lead	0.1	mg/kg	SW846 6020	U	MB
LB08-06	Barium	1	mg/kg	SW846 6020	U	MB
LB08-06	Nickel	0.017	mg/kg	SW846 6020	J	DL
LB08-06	Selenium	0.5	mg/kg	SW846 6020	U	CB
LB08-06	Sodium	446	mg/kg	SW846 6020	J	LM
LB08-06	Thallium	0.1	mg/kg	SW846 6020	U	CB, MB
LB08-06	Vanadium	0.1	mg/kg	SW846 6020	R	MB
LB08-06	Zinc	5.5	mg/kg	SW846 6020	J	MI
LB08-06	Chromium	0.44	mg/kg	SW846 6020	R	MB
LB08-06	Calcium	100	mg/kg	SW846 6020	J	HM, MB
LB08-06	Cobalt	0.05	mg/kg	SW846 6020	U	MB
LB08-06	Aluminum	3	mg/kg	SW846 6020	U	MB
LB08-06	Percent Lipids	0.037	%	SW846 Total Residue	J	DL
LB08-06	Dieldrin	2	ug/kg	SW846 8081A	U	SE
LB08-06	Endosulfan sulfate	2.1	ug/kg	SW846 8081A	J	HS
LB08-06	Heptachlor	0.31	ug/kg	SW846 8081A	U	SE
LB08-06	Heptachlor epoxide	1.1	ug/kg	SW846 8081A	U	SE
LB08-06	delta-BHC	0.11	ug/kg	SW846 8081A	U	SE
LB08-06	alpha-Chlordane	1.9	ug/kg	SW846 8081A	U	SE
LB08-06	gamma-Chlordane	12	ug/kg	SW846 8081A	J	HS
LB08-06	4,4'-DDE	2.6	ug/kg	SW846 8081A	U	SE
FF08-01	Antimony	0.2	mg/kg	SW846 6020	U	MB
FF08-01	Iron	10.3	mg/kg	SW846 6020	J	HM
FF08-01	Lead	0.37	mg/kg	SW846 6020	J	HM
FF08-01	Selenium	0.5	mg/kg	SW846 6020	U	CB
FF08-01	Sodium	946	mg/kg	SW846 6020	J	LM
FF08-01	Thallium	0.1	mg/kg	SW846 6020	U	CB, MB
FF08-01	Vanadium	0.12	mg/kg	SW846 6020	R	MB
FF08-01	Zinc	14.9	mg/kg	SW846 6020	J	MI
FF08-01	Chromium	0.26	mg/kg	SW846 6020	R	MB
FF08-01	Calcium	12900	mg/kg	SW846 6020	J	HM
FF08-01	Cobalt	0.05	mg/kg	SW846 6020	U	MB
FF08-01	Aluminum	3.3	mg/kg	SW846 6020	J	HM
FF08-01	Mercury	0.023	mg/kg	SW846 7471A	J	DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E170109

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
FF08-01	Dieldrin	2.6	ug/kg	SW846 8081A	U	SE
FF08-01	Endosulfan sulfate	1.6	ug/kg	SW846 8081A	U	SE
FF08-01	Heptachlor epoxide	1.1	ug/kg	SW846 8081A	U	SE
FF08-01	delta-BHC	0.36	ug/kg	SW846 8081A	U	SE
FF08-01	alpha-Chlordane	2.6	ug/kg	SW846 8081A	U	SE
FF08-01	gamma-Chlordane	11	ug/kg	SW846 8081A	J	HS
FF08-01	Aldrin	0.5	ug/kg	SW846 8081A	U	SE
FF08-01	4,4'-DDE	2.9	ug/kg	SW846 8081A	U	SE
FF08-03	Antimony	0.2	mg/kg	SW846 6020	U	MB
FF08-03	Iron	9.8	mg/kg	SW846 6020	J	HM
FF08-03	Lead	0.23	mg/kg	SW846 6020	J	HM
FF08-03	Barium	1	mg/kg	SW846 6020	U	MB
FF08-03	Nickel	0.056	mg/kg	SW846 6020	J	DL
FF08-03	Selenium	0.5	mg/kg	SW846 6020	U	CB
FF08-03	Sodium	850	mg/kg	SW846 6020	J	LM
FF08-03	Thallium	0.1	mg/kg	SW846 6020	U	CB, MB
FF08-03	Vanadium	0.1	mg/kg	SW846 6020	U	MB
FF08-03	Zinc	15.7	mg/kg	SW846 6020	J	MI
FF08-03	Chromium	0.29	mg/kg	SW846 6020	R	MB
FF08-03	Cadmium	0.04	mg/kg	SW846 6020	J	DL
FF08-03	Calcium	5300	mg/kg	SW846 6020	J	HM
FF08-03	Cobalt	0.05	mg/kg	SW846 6020	U	MB
FF08-03	Aluminum	3.2	mg/kg	SW846 6020	J	HM
FF08-03	Dieldrin	2	ug/kg	SW846 8081A	U	SE
FF08-03	Endosulfan sulfate	1.4	ug/kg	SW846 8081A	U	SE
FF08-03	Heptachlor	1.2	ug/kg	SW846 8081A	U	SE
FF08-03	Heptachlor epoxide	1.1	ug/kg	SW846 8081A	U	SE
FF08-03	alpha-BHC	0.89	ug/kg	SW846 8081A	U	SE
FF08-03	alpha-Chlordane	2	ug/kg	SW846 8081A	J	HS
FF08-03	gamma-Chlordane	9.9	ug/kg	SW846 8081A	J	HS
FF08-03	Aldrin	0.61	ug/kg	SW846 8081A	U	SE
FF08-03	4,4'-DDE	1.7	ug/kg	SW846 8081A	U	SE

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E170109

Reason Codes

BC - High initial calibration percent relative standard deviations
CB - Contaminated Blank
DL - Value was between method detection limit and reporting limit
HC - High continuing calibration verification result
HM - High matrix spike recovery
HS - High surrogate recovery
LC - Low continuing calibration verification result
LM - Low matrix spike recovery
MB - Method blank contamination
MI - High serial dilution percent difference
SE - Large differences between the primary and secondary column results.

Validation Codes:

R - The R qualifier indicates that a result has been rejected due to serious QC problems. It is not possible to definitively determine whether the analyte is present or absent in the sample.

U -The U qualifier indicates that an analyte is considered nondetected at the concentration listed. U qualifiers added during validation are typically a result of detection of target analytes in blanks.

J - The J qualifier indicates that the associated result is quantitatively uncertain. J qualifiers added during validation may indicate a concentration between the method detection limit (MDL) and the reporting limit (RL), or a data limitation related to a QC element that exceeds required acceptance limits.

UJ - The UJ qualifier indicates the RL is estimated. UJ qualifiers added during validation may indicate either a high or low bias related to a QC element that exceeds required acceptance limits.

DATA QUALITY REVIEW AND VALIDATION REPORT

Koppers Pond
Kentucky Avenue Wellfield Site
Operable Unit 4
Horseheads, New York

Organic and Inorganic Analyses Data
Samples Collected May 6, 2008

Prepared for:

Koppers Pond PRP Group

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773580000

August 2008

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ACRONYMS & ABBREVIATIONS

°C	degrees Celsius
%D	percent deviation or percent drift in relative response
%RSD	percent relative standard deviation
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
µg/L	micrograms per liter
AMEC	AMEC Earth & Environmental, Inc.
CCV	continuing calibration verification
CLP	USEPA Contract Laboratory Program
COC	chain of custody
CRI	CRQL check standard
CRQL	contract-required quantitation limit
EDD	electronic data deliverable
EPA	United States Environmental Protection Agency
GC/ECD	gas chromatography/electron capture detector
GC/MS	gas chromatography/mass spectrometry
ICP	inductively coupled plasma
ICS	interference check sample
ICV	initial calibration verification
ID	site identification
IS	internal standard
LCS	laboratory control sample
MDL	method detection limit
MS	matrix spike
MSD	matrix spike duplicate
OSWER	EPA Office of Solid Waste and Emergency Response
PAH	polynuclear aromatic hydrocarbons

QAPP	Quality Assurance Project Plan
QC	quality control
PCB	polychlorinated biphenyl
RL	reporting limit
RRF	relative response factor
SDG	sample delivery group
SM	Standard Methods
SOP	standard operating procedure
SVOCs	semivolatile organic compounds
TA	Test America
TAL	Target Analyte List
TCMX	tetrachloro-meta-xylene
TOC	total organic carbon
TSS	total suspended solids
VOCs	volatile organic compounds

1.0 INTRODUCTION

This data quality review and validation report covers 5 surface water samples, including one field duplicate and one trip blank, and 2 sediment samples from the Koppers Pond site located in Horseheads, New York. The samples were collected on May 6, 2008 and submitted to Test America (TA) in Pittsburgh, Pennsylvania on May 7, 2008. The samples were assigned sample delivery group (SDG) C8E070123. The following analyses were performed on these samples:

- Total and Dissolved Target Analyte List (TAL) metals by Environmental Protection Agency (EPA) SW-846 Methods 6020/7470A/7471A;
- Total cyanide by EPA SW-846 Method 9012A;
- Ammonia Nitrogen by EPA Method 350.1
- Total hardness as $CaCO_3$ by Standard Methods (SM) 2340-C;
- Nitrite by EPA Method 9056A;
- Total suspended solids (TSS) by SM 2540D;
- Fluoride by SM 4500-F C;
- Semivolatile organic compounds (SVOCs) by EPA SW-846 Method 8270C;
- Volatile organic compounds (VOCs) by EPA SW-846 Method 8260B;
- Pesticides by EPA SW-846 Method 8081A;
- Polychlorinated biphenyls (PCBs) as Aroclors by EPA SW-846 Method 8082;
- Total organic carbon (TOC) by Lloyd Kahn Method.

A list of these samples by field sample identification (ID), TA sample ID is presented in Table 1.

2.0 DATA QUALITY REVIEW AND DATA VALIDATION METHODOLOGY

AMEC Earth & Environmental, Inc. (AMEC) performed this data quality review and validation with reference to the EPA Office of Solid Waste and Emergency Response

(OSWER) National Functional Guidelines for Inorganic Data Review (October 2004), National Functional Guidelines for Organic Data Review (October 1999), including Region II modifications, if any, and associated method quality control requirements. These EPA guidelines were written specifically for the Contract Laboratory Program (CLP), and have been modified for the purposes of this data quality review and validation where they differ from method and Quality Assurance Project Plan (QAPP) quality control (QC) requirements.

AMEC's data validation methodology complied with the validation procedures specified in the Koppers Pond QAPP, dated April 2008. The laboratory's raw analytical data packages were reviewed to assess the criteria outlined in QAPP:

- Data completeness;
- Holding times;
- Calibration;
- Blanks;
- Inductively coupled plasma (ICP) check sample;
- Matrix spike/matrix spike duplicate samples (MS/MSD);
- Laboratory duplicate samples:
- Field Duplicates;
- Laboratory control samples (LCS);
- ICP serial dilution;
- Detection limits;
- Sample dilutions;
- Gas chromatography/mass spectrometry (GC/MS) tuning;
- Instrument performance;
- Surrogate recoveries;
- Internal standards (IS); and
- Compound identification.

In general, it is important to recognize that no analytical data are guaranteed to be correct, even if all QC audits are passed. Strict QC serves to increase confidence in data, but any reported value may potentially contain error.

In accordance with the specifications of QAPP, the data validation process comprised 20% full validation of the raw analytical data and 80% data quality review for all methods, based on information provided by the laboratory as summary reporting forms. Data that underwent data quality review and data validation are indicated on Table 1.

3.0 EXECUTIVE SUMMARY

The data are generally usable and of good quality.

A number of detected metal, VOC, SVOC, pesticide, and conventional chemistry results were U qualified as nondetected because of contamination in the associated laboratory and/or trip blanks.

A number of detected pesticide results were U qualified as nondetected because of probable matrix interference from Aroclors and PAHs as demonstrated by the very high percent differences between dual column results.

No data were rejected and 100% of the data should be considered valid which meets the 90% data quality objective.

4.0 SPECIFIC DATA VALIDATION FINDINGS FOR EACH ANALYTICAL METHOD

Sections 4.1 to 4.8 of this Data Validation Report contain narrative descriptions of data validation findings and data quality limitations. Definitions of data qualifiers added during validation and summaries of specific qualifiers added to each affected sample as a result of the data validation findings are presented in Table 2.

4.1 Data Deliverables

The submitted data packages contained all documentation elements required for full validation.

4.2 Chain of Custody and Sample Receipt Condition Documentation

All samples were received at TA in good condition and at less than the EPA-recommended temperature of 6 degrees Celsius (°C). There were no anomalies associated with sample receipt condition or chain of custody (COC) documentation.

4.3 Volatile Organic Compounds by EPA SW-846 Method 8260B

VOC results generated by TA for samples covered in this report are considered usable with the limitations described in Sections 4.3.1 through 4.3.9.

4.3.1 Holding Times

All aqueous samples were analyzed within the QAPP-specified maximum holding time of 10 days for analysis of preserved samples. All soil samples were analyzed within the QAPP-specified 10 day holding time for unpreserved samples.

4.3.2 Initial Calibration

The method-specified minimum relative response factor (RRF) and percent relative standard deviation (%RSD) criteria were met for the initial calibrations associated with VOC analysis of the samples covered in this report.

4.3.3 Continuing Calibration

The Region II-specified minimum RRF and percent deviation or percent drift (%D) criteria were met for the continuing calibrations associated with VOC analysis of the samples covered in this report, except as described below:

- The carbon disulfide (24.4% bias low), carbon tetrachloride (20.5% bias low), cis-1,3-dichloropropene (22.2% bias low), trans-1,3-dichloropropene (24.4% bias low), bromoform (28.8% bias low), and 1,2-dibromo-3-chloropropane (26.8 bias low) %Ds were greater than the 20% Region II-specified acceptance limit in the continuing calibration verification (CCV) analyzed on May 16, 2008 at 08:48 on instrument HP6. AMEC UJ qualified the nondetected carbon disulfide, carbon tetrachloride, cis-1,3-dichloropropene, trans-1,3-dichloropropene, bromoform, and 1,2-dibromo-3-chloropropane results from the following samples because of possible low bias in the analytical results: SW08-21, SW08-22, SW08-23, SW08-DUP1 and TB-1.

- The trichlorotrifluoromethane (21.4%, bias high) and acetone (40.3%, bias high) %Ds were greater than the 20% Region II-specified acceptance limit in the CCV analyzed on May 8, 2008 at 21:28 on instrument HP3. Trichlorotrifluoromethane and acetone were not detected in the associated samples; therefore, data usability is not affected by the potential high bias.

4.3.4 Blanks

VOCs were not detected in the laboratory blank or trip blanks associated with the VOC sample analysis except as described below.

Methylene chloride was detected in the laboratory blank at a concentration of 2.3 micrograms per kilogram (µg/kg). AMEC U qualified the detected methylene chloride results from samples SD08-20 and SD08-21 because the sample concentrations were less than 10 times the associated laboratory blank concentration, indicating possible contamination.

4.3.5 Surrogate Recoveries

All surrogate recoveries were within the laboratory-specified limits for VOC analysis of the samples covered in this report.

4.3.6 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for VOC analysis of the samples covered in this report.

4.3.7 Matrix Spike/Matrix Spike Duplicate Recovery

MS/MSD recoveries were within the laboratory-specified limits for VOC analysis of the samples covered in this report.

4.3.8 Internal Standard Recoveries

IS recoveries were all within the method-specified 50% to 200% acceptance limits for the VOC sample analysis covered in this report.

4.3.9 Data Reporting and Analytical Procedures

The laboratory J qualified detected results with concentrations between the reporting limit (RL) and method detection limit (MDL). AMEC concurs that these results are

quantitative estimates and J qualified these results unless the results were previously U qualified because of blank contamination.

4.4 Semivolatile Organic Compounds by EPA SW-846 Method 8270C

SVOC results generated by TA for the samples covered in this report are considered usable with the limitations described in Sections 4.4.1 through 4.4.9.

4.4.1 Holding Times

All samples were extracted and analyzed within the QAPP-specified maximum holding time of 7 days for aqueous extraction, 14 days for solid extraction, and 40 days for analysis.

4.4.2 Initial Calibration

The Region II-specified minimum RRF and %RSD criteria not met for the initial calibrations associated with the SVOC sample analysis are described below.

- The benzaldehyde %RSD of 38.7% was greater than the Region II-specified 15% RSD acceptance limit in the initial calibration analyzed on May 2, 2008 on instrument 71. AMEC UJ qualified the nondetected benzaldehyde results from the following samples because of possible bias in the analytical results: SW08-21, SW08-22, SW08-23 and SW08-DUP1.
- The benzaldehyde (28.8%); 2,4-dinitrophenol (30.1%); and 4,6-dinitro-2-methylphenol (20.8%) %RSDs were greater than the Region II-specified 15% RSD acceptance limit in the initial calibration analyzed on May 14, 2008 on instrument 722. AMEC J qualified the detected results and UJ qualified the nondetected results for these analytes from the following samples because of possible bias in the analytical results: SD08-20 and SD08-21.

4.4.3 Continuing Calibration

The Region II-specified minimum RRF and %D criteria were met for the continuing calibrations associated with the SVOC sample analysis, except as described below.

The benzaldehyde %D of 34.8% (bias high) in the CCV analyzed on May 12, 2008 on instrument 71 was outside the Region II-specified ±20% acceptance limit. Benzaldehyde was not detected in the associated samples; therefore, data usability is not affected by the potential high bias.

4.4.4 Laboratory Blanks

Qualifications results from SVOCs detected in the laboratory blanks are described in the following table.

Blank ID	Detected Analytes	Analyte Concentration	Sample Results U Qualified as Nondetected because of Associated Blank Results
Method Blank KMWXP1AA	Bis(2-ethylhexyl)phthalate	0.23 µg/L	SW08-21 SW08-22 SW08-23 SW08-DUP1
	Butyl benzyl phthalate	0.23 µg/L	SW08-21 SW08-22 SW08-23
	Dibenzofuran	0.17 µg/L	SW08-21 SW08-22 SW08-23 SW08-DUP1
	Naphthalene	0.066 µg/L	None
	Phenanthrene	0.15 µg/L	SW08-21 SW08-22 SW08-23 SW08-DUP1

4.4.5 Surrogate Recoveries

Surrogate recoveries were within the laboratory-specified limits for the SVOC sample analysis.

4.4.6 Matrix Spike/Matrix Spike Duplicate Recovery

MS/MSD recoveries were within the laboratory-specified limits for the SVOC sample analysis except as described below.

MS/MSD analysis was performed on sample SD08-21. The acenaphthene, 4-chloro-3-methylphenol, pyrene and naphthalene all had a 0% recovery in the MS and MSD. AMEC J qualified the detected acenaphthene result from sample SD08-21 and UJ qualified the nondetected 4-chloro-3-methylphenol because of possible low bias due to potential matrix interference.

Pyrene and naphthalene concentrations in the sample were greater than four times the associated spike concentrations; therefore, data usability could not be fully evaluated

due to the high sample concentrations for these analytes. Data usability is not adversely affected.

4.4.7 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for the SVOC sample analysis.

4.4.8 Internal Standard Recoveries

IS recoveries outside the method-specified 50% to 200% acceptance limits for the SVOC sample analysis are described below.

The perylene-d_{12} recovery was high (>200%) in the analysis of the MS and MSD of sample SD08-21; however the recovery was within method-specified limits for the sample itself, so no qualifications were necessary.

4.4.9 Analytical Procedures and Reporting

The laboratory J qualified detected results with concentrations between the RL and MDL. AMEC concurs that these results are quantitative estimates and J qualified (unless U qualified due to blank contamination) these results.

4.5 Pesticides by USEPA SW-846 Method 8081A

Pesticide results generated by TA for the samples covered in this report are considered usable with the limitations described in Sections 4.5.1 through 4.5.8.

4.5.1 Holding Times

All samples were extracted and analyzed within the QAPP-specified maximum holding time of 7 days for aqueous extraction, 14 days for solid extraction, and 40 days for analysis.

4.5.2 Initial Calibration

The method-specified %RSD and retention time criteria were met for the initial calibrations associated with the pesticide sample analysis.

4.5.3 Continuing Calibration

The method-specified %D and retention time criteria were met for the continuing calibrations associated with the pesticide sample analysis.

4.5.4 Blanks

No target analytes were detected in the laboratory blanks associated with the pesticide analysis.

4.5.5 Surrogate Recoveries

Surrogate recoveries associated with the pesticide sample analysis were within laboratory-specified acceptance limits.

4.5.6 Matrix Spike/Matrix Spike Duplicate Recovery

MS/MSD recoveries were within the laboratory-specified limits for the pesticide sample analysis.

4.5.7 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for the pesticide sample analysis.

4.5.8 Data Reporting and Analytical Procedures

There was greater than 25% difference between the pesticide concentrations from the primary and secondary analytical columns for the samples listed in the following table. Analysis of pesticides using conventional GC/ECD techniques can result in an extremely high rate of false positive detections, as referenced in literature including a memo titled *EPA Region 10 Clarification of SW-846 Method 8081 and Supplemental Guidance for Data Review*, dated May 3, 2006. In AMEC's professional judgment, based on the very large percent differences between primary and secondary column results, the reported insecticide results are likely false positives that result from interferences from the PAHs and PCBs detected in these samples. In addition, Region II validation guidelines (SOP HW-44) allow "U" qualification based on the presence of interferences and large differences between dual-column results. AMEC U qualified the detected pesticide concentrations as listed in the table below based on professional judgment of the chemists performing the review. If greater certainty regarding possible presence of low concentrations of pesticides is required to achieve project DQOs, AMEC recommends consideration of either high resolution mass spectrometry (HRMS) or tandem mass spectrometry (MS/MS) as the determinative technique for future pesticide analyses.

Sample ID	Analyte	%D	Qualification
SD08-20	gamma-BHC (Lindane)	59.1	U
	Heptachlor Epoxide	462.5	U
	delta-BHC	32.9	U
	4,4'-DDD	49.5	U
	Endrin Ketone	432.1	U
	Endosulfan sulfate	280.0	U
	gamma-Chlordane	279.0	U
SD08-21	delta-BHC	96.4	U
	gamma-BHC (Lindane)	73.4	U
	Heptachlor	56.8	U
	Methoxychlor	795.0	U
	gamma-Chlordane	83.3	U

4.6 Polychlorinated Biphenyls as Aroclors by USEPA SW-846 Method 8082

PCB results generated by TA for the samples covered in this report may be considered usable and without qualification.

4.6.1 Holding Times

All samples were extracted and analyzed within the QAPP-specified maximum holding time of 7 days for aqueous extraction, 14 days for solid extraction, and 40 days for PCB analysis.

4.6.2 Initial Calibration

The method-specified %RSD and retention time criteria were met for the initial calibrations associated with the PCB sample analysis.

4.6.3 Continuing Calibration

The method-specified %D and retention time criteria were met for the continuing calibrations associated with the PCB sample analysis.

4.6.4 Blanks

No target analytes were detected in the laboratory blanks associated with the PCB sample analysis.

4.6.5 Surrogate Recoveries

Surrogate recoveries associated with the PCB sample analysis were within the laboratory-specified acceptance limits.

4.6.6 Matrix Spike/Matrix Spike Duplicate Recovery

MS/MSD recoveries were within the laboratory-specified limits for the PCB sample analysis.

4.6.7 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for the PCB sample analysis.

4.7 Target Analyte List Metals by EPA SW-846 Methods 6020/7470A/7471A

Samples covered in this report underwent total and dissolved metals analysis by EPA SW-846 Methods 6020/7470A/7471A at TA. The results are usable with the limitations and exceptions described in Sections 4.7.1 through 4.7.10.

4.7.1 Holding Times

All samples were analyzed for metals within the QAPP-specified technical holding time of 180 days and for mercury within the QAPP-specified technical holding time of 26 days.

4.7.2 Initial Calibration

The initial calibrations associated with the analysis of these samples met the method-specified acceptance criteria.

4.7.3 Initial and Continuing Calibration Verification

All initial calibration verifications (ICVs) and CCVs associated with the analysis of these samples met the method-specified acceptance criteria.

4.7.4 Contract-required Quantitation Limit Check Standard

All contract-required quantitation limit (CRQL) check standards (CRIs) associated with the analysis of these samples met the method-specified acceptance criteria.

4.7.5 Blanks

Initial and Continuing Calibration Blanks

Target analytes detected at concentrations greater than the MDL in calibration blanks associated with the metals sample analysis are described in the following table.

Blank ID	Detected Analytes	Analyte Concentration	Sample Results U Qualified as Nondetected because of Associated Calibration Blank Results	
			Total	Dissolved
ICB 5/25/08 ICPMS	Antimony	0.11 µg/L	SW08-21 SW08-22 SW08-23 SW08-DUP1	SW08-21 SW08-22 SW08-23 SW08-DUP1
	Magnesium	4.70 µg/L	None	None
CCB1 5/25/08 ICPMS	Antimony	0.20 µg/L	Not applicable	SW08-21 SW08-22 SW08-23 SW08-DUP1
	Magnesium	5.34 µg/L	Not applicable	None
	Potassium	10.81 µg/L	Not applicable	None
	Thallium	0.02 µg/L	Not applicable	SW08-21 SW08-23 SW08-DUP1
CCB2 5/25/08 ICPMS	Antimony	0.22 µg/L	SW08-21	SW08-21 SW08-22 SW08-23 SW08-DUP1
	Magnesium	4.17 µg/L	Not applicable	None
	Thallium	0.02 µg/L	SW08-21	SW08-21 SW08-23 SW08-DUP1
CCB3 5/25/08 ICPMS	Antimony	0.24 µg/L	SW08-21 SW08-22 SW08-23 SW08-DUP1	Not applicable
	Magnesium	7.86 µg/L	None	None
	Thallium	0.03 µg/L	SW08-21 SW08-22 SW08-23 SW08-DUP1	Not applicable
CCB4 5/25/08 ICPMS	Antimony	0.24 µg/L	SW08-21 SW08-22 SW08-23 SW08-DUP1	Not applicable
	Calcium	12.11 µg/L	None	Not applicable
	Cobalt	0.02 µg/L	SW08-23 SW08-DUP1	Not applicable
	Magnesium	12.07 µg/L	None	Not applicable

Blank ID	Detected Analytes	Analyte Concentration	Sample Results U Qualified as Nondetected because of Associated Calibration Blank Results	
			Total	Dissolved
	Potassium	7.32 µg/L	None	Not applicable
	Thallium	0.03 µg/L	SW08-21 SW08-22 SW08-23 SW08-DUP1	Not applicable
	Vanadium	0.10 µg/L	SW08-21 SW08-DUP1	Not applicable

Preparation Blanks

Target analytes detected at concentrations greater than the MDL in preparation blanks associated with the metals sample analysis are described in the following table.

Blank ID	Detected Analytes	Analyte Concentration	Sample Results U Qualified as Nondetected because of Associated Preparation Blank Results	
			Total	Dissolved
C8E220000-283	Chromium	0.012 milligrams per kilogram (mg/kg)	None	Not Applicable
	Iron	0.68 mg/kg	None	Not Applicable
	Antimony	0.016 mg/kg	None	Not Applicable
	Vanadium	0.011 mg/kg	None	Not Applicable
	Zinc	0.016 mg/kg	None	Not Applicable
C8E220000-377	Chromium	0.32 µg/L	None	Not Applicable
	Sodium	7.5 µg/L	None	Not Applicable
C8E220000-381	Chromium	0.25 µg/L	Not Applicable	None
	Iron	17.2 µg/L	Not Applicable	SW08-21 SW08-23
	Potassium	8.4 µg/L	Not Applicable	None
	Sodium	9.5 µg/L	Not Applicable	None
	Thallium	0.048 µg/L	Not Applicable	SW08-21 SW08-22 SW08-23 SW08-DUP1
	Antimony	0.36 µg/L	Not Applicable	SW08-21 SW08-22 SW08-23 SW08-DUP1

4.7.6 Inductively Coupled Plasma Interference Check Sample

All interference check samples (ICSs) exhibited recoveries within the 80% to 120% method-specified acceptance limits.

4.7.7 Matrix Spike/Matrix Spike Duplicate Recovery

MS/MSD recoveries were within the method-specified limits for the metals sample analysis unless described below.

MS/MSD analysis was performed on sample SD08-20. Silver (71% MSD), beryllium (67% MSD), cadmium (72% MSD), cobalt (69% MSD), copper (73% MSD), selenium (71%/65%), thallium (67% MSD) and antimony (69% MS) recoveries were less than the method-specified limits. Arsenic (138% MS) and calcium (698% MS) recovered above the method-specified limits. In addition, aluminum, iron, manganese, lead, and zinc were not recovered in the MS/MSD analysis.

- AMEC J qualified the detected silver, beryllium, cadmium, cobalt, copper, selenium, thallium, and antimony, in samples SD08-20 and SD08-21, due to low bias caused by potential matrix interference.

- AMEC J qualified the detected arsenic and calcium, in samples SD08-20 and SD08-21, due the high bias caused by potential matrix interference.

- The aluminum, iron, manganese, lead, and zinc concentrations in the sample were greater than four times the associated spike concentrations; therefore, data usability could not be fully evaluated due to the high sample concentrations for these analytes. Data usability is not adversely affected.

4.7.8 Laboratory Control Sample Recovery

Recoveries were within the method-specified acceptance limits in all LCS samples associated with the metals and cyanide sample analysis.

4.7.9 Serial Dilution Results

Serial dilution analysis was performed on sample SW08-21 and SD08-20. Analytes not meeting the method-specified criteria of less than 10 percent difference for analytes with concentrations greater than 50-times the MDL are described below:

The percent difference between the dissolved potassium (10.4%) and total potassium (12.9%) serial dilution results in sample SW08-21 were greater than the method-specified limit. AMEC J qualified the detected dissolved and total potassium results from the following samples because of possible bias in the analytical results due to potential matrix interference: SW08-21, SW08-22, SW08-23, and SW08-DUP1.

The sodium percent difference of 12.8% was outside the method-specified 10% acceptance limit in the serial dilution analysis of sample SD08-20. AMEC J qualified the detected sodium results from sample SD08-20 and SD08-21 because of possible bias due to potential matrix interference.

4.7.10 Data Reporting and Analytical Procedures

The laboratory B qualified detected results with concentrations between the CRQL and MDL. AMEC concurs that these results are quantitative estimates and J qualified (unless U qualified due to blank contamination) these results.

4.8 Conventional Chemistry Parameters

Conventional chemistry results generated by TA for the samples covered in this report may be considered usable with the limitations described below.

- The laboratory J qualified detected results with concentrations between the RL and MDL. AMEC concurs that these results are quantitative estimates and J qualified these results.
- Ammonia nitrogen was detected in method blank BLK-C8E090000150B at a concentration of 0.048 milligrams per liter (mg/L). AMEC U qualified the detected ammonia nitrogen results from samples SW08-21, SW08-22, SW08-23 and SW08-DUP1 because the sample concentrations were less than five times the associated method blank concentration.

5.0 FIELD DUPLICATE RESULTS

Sample SW08-22 was collected as a field duplicate and submitted to TA. The samples were labeled blindly, so that the laboratory was not aware which sample was submitted in duplicate. Detected results and RPDs for the field duplicate are summarized in Table 3. No qualifiers were added during validation, because of precision values exceeding QAPP-specified acceptance limits of less than 20% RPD for sample concentrations more than five times their CRQL or RL.

6.0 SUMMARY AND CONCLUSIONS

AMEC's review indicates the data from this event are generally usable and of good quality. The types of qualifications applied to the dataset included nondetected data (U) and estimated data (J or UJ).

Nondetected Qualified Data. A number of detected metal, VOC, SVOC, pesticide, and conventional chemistry results were U qualified as nondetected because of contamination in the associated laboratory and/or trip blanks or interferences. Results that were U qualified as nondetected were not further qualified due to other associated QC outliers.

Estimated Data. Portions of the VOC, SVOC, and metals data were qualified as estimated due to calibration issues, matrix interferences, exceeded matrix spike recoveries, field duplicate imprecision, and concentrations between the MDLs and RLs.

Data Completeness Assessment. A total of 1,156 data records were evaluated during the data validation and review of the sample results. Of the total data records, 154 records (13%) were qualified as estimated concentrations. Estimated concentrations may be associated with either the nondetected concentration limits (UJ) or the concentration of detected target analytes (J). Of the total data records, 55 (4.8%) were qualified as nondetected as a result of a detection of a target analyte in the associated blanks or interferences. The total hardness, TSS, fluoride, nitrite, cyanide, PCBs and TOC data did not require qualification.

No data were rejected; therefore, 100% of the data should be considered valid which meets the 90% project data quality objective.

REFERENCES

AMEC, 2008, Sampling and Analysis Plan, Volume II - Quality Assurance Project Plan, Koppers Pond, Kentucky Avenue Wellfield Site, Operable Unit 4, Horseheads, New York.

EPA, 1999. *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, USEPA-540-R-99-008.

EPA, 2004. *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, EPA 540-R-04-004.

EPA, 2006. USEPA Region 10, Clarification of SW-846 Method 8081 and Supplemental Guidance for Data Review, May 3, 2006

LIMITATIONS

This report was prepared exclusively for Koppers Pond PRP Group by AMEC Earth & Environmental, Inc. (AMEC). The quality of information, conclusions, and estimates contained herein is consistent with the level of effort involved in AMEC services and based on: i) information available at the time of preparation, ii) data supplied by outside sources, and iii) the assumptions, conditions, and qualifications set forth in this report. This Data Validation Report is intended to be used by Koppers Pond PRP Group for the Remedial Investigation/Feasibility Study, Koppers Pond, Kentucky Avenue Wellfield Superfund Site, Operable Unit 4, Horseheads, New York only, subject to the terms and conditions of its contract with AMEC. Any other use of, or reliance on, this report by any third party is at that party's sole risk.

TABLES

Table 1
Field Samples Submitted to TestAmerica with Corresponding Lab Identifications

Sample ID	Collection Date	Matrix	TestAmerica Sample ID	Data Validation Level	VOCs	SVOCs	Pesticides	PCBs	Metals	TOC	Cyanide	Conventional Chemisty	Notes
SW08-21	5/6/2008	WATER	C8E070123-001	DQR	√	√	√	√	√		√	√	
SW08-22	5/6/2008	WATER	C8E070123-002	DQR	√	√	√	√	√		√	√	
SW08-23	5/6/2008	WATER	C8E070123-003	DQR	√	√	√	√	√		√	√	
SW08-DUP1	5/6/2008	WATER	C8E070123-004	DQR	√	√	√	√	√		√	√	Field duplicate of SW08-22
TB-1	5/6/2008	WATER	C8E070123-005	DQR	√								
SD08-20	5/6/2008	SEDIMENT	C8E070123-006	DQR	√	√	√	√	√	√	√		
SD08-21	5/6/2008	SEDIMENT	C8E070123-007	DQR	√	√	√	√	√	√	√		

DQR = Data quality review as described by Section 10.2.1 of the Quailty Assurance Project Plan,
Quality Assurance Project Plan, Koppers Pond, Kentucky Avenue Wellfield Site, Operable Unit 4, April 2008
ID = identification
MS/MSD = matrix spike/matrix spike duplicate
PCBs = polychlorinated biphenyls
SDG = sample delivery group
SVOCs = semivolatile organic compounds
TOC = total organic carbon
VOCs = volatile organic compounds

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E070123

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SW08-21	Antimony-DISS	2	ug/L	SW846 6020	U	MB, CB
SW08-21	Arsenic-DISS	0.19	ug/L	SW846 6020	J	DL
SW08-21	Iron-DISS	50	ug/L	SW846 6020	U	MB
SW08-21	Lead-DISS	0.25	ug/L	SW846 6020	J	DL
SW08-21	Nickel-DISS	0.46	ug/L	SW846 6020	J	DL
SW08-21	Potassium-DISS	1210	ug/L	SW846 6020	J	MI
SW08-21	Selenium-DISS	0.73	ug/L	SW846 6020	J	DL
SW08-21	Thallium-DISS	1	ug/L	SW846 6020	U	MB, CB
SW08-21	Cobalt-DISS	0.13	ug/L	SW846 6020	J	DL
SW08-21	Aluminum-DISS	7.3	ug/L	SW846 6020	J	DL
SW08-21	Antimony	2	ug/L	SW846 6020	U	CB
SW08-21	Iron	9.1	ug/L	SW846 6020	J	DL
SW08-21	Lead	0.42	ug/L	SW846 6020	J	DL
SW08-21	Nickel	0.14	ug/L	SW846 6020	J	DL
SW08-21	Potassium	1180	ug/L	SW846 6020	J	MI
SW08-21	Selenium	0.46	ug/L	SW846 6020	J	DL
SW08-21	Thallium	1	ug/L	SW846 6020	U	CB
SW08-21	Vanadium	1	ug/L	SW846 6020	U	CB
SW08-21	Cadmium	0.13	ug/L	SW846 6020	J	DL
SW08-21	Cobalt	0.12	ug/L	SW846 6020	J	DL
SW08-21	Aluminum	9.6	ug/L	SW846 6020	J	DL
SW08-21	trans-1,3-Dichloropropene	1	ug/L	SW846 8260B	UJ	LC
SW08-21	1,1,1-Trichloroethane	0.76	ug/L	SW846 8260B	J	DL
SW08-21	Trichloroethene	0.52	ug/L	SW846 8260B	J	DL
SW08-21	Bromoform	1	ug/L	SW846 8260B	UJ	LC
SW08-21	Carbon disulfide	1	ug/L	SW846 8260B	UJ	LC
SW08-21	Carbon tetrachloride	1	ug/L	SW846 8260B	UJ	LC
SW08-21	1,2-Dibromo-3-chloropropane	1	ug/L	SW846 8260B	UJ	LC
SW08-21	Chloroform	0.19	ug/L	SW846 8260B	J	DL
SW08-21	cis-1,3-Dichloropropene	1	ug/L	SW846 8260B	UJ	LC
SW08-21	Ammonia Nitrogen	0.1	mg/L	MCAWW 350.1	U	MB
SW08-21	Acenaphthene	0.15	ug/L	SW846 8270C	J	DL
SW08-21	Phenanthrene	0.19	ug/L	SW846 8270C	U	MB
SW08-21	Phenol	0.083	ug/L	SW846 8270C	J	DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E070123

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SW08-21	bis(2-Ethylhexyl) phthalate	0.94	ug/L	SW846 8270C	U	MB
SW08-21	Benzaldehyde	0.94	ug/L	SW846 8270C	UJ	BC
SW08-21	Butyl benzyl phthalate	0.94	ug/L	SW846 8270C	U	MB
SW08-21	Dibenzofuran	0.94	ug/L	SW846 8270C	U	MB
SW08-21	Di-n-butyl phthalate	0.3	ug/L	SW846 8270C	J	DL
SW08-22	Antimony-DISS	2	ug/L	SW846 6020	U	MB, CB
SW08-22	Lead-DISS	0.18	ug/L	SW846 6020	J	DL
SW08-22	Nickel-DISS	0.19	ug/L	SW846 6020	J	DL
SW08-22	Potassium-DISS	1180	ug/L	SW846 6020	J	MI
SW08-22	Selenium-DISS	0.36	ug/L	SW846 6020	J	DL
SW08-22	Thallium-DISS	1	ug/L	SW846 6020	U	MB
SW08-22	Cobalt-DISS	0.12	ug/L	SW846 6020	J	DL
SW08-22	Copper-DISS	1.1	ug/L	SW846 6020	J	DL
SW08-22	Aluminum-DISS	6.9	ug/L	SW846 6020	J	DL
SW08-22	Antimony	2	ug/L	SW846 6020	U	CB
SW08-22	Arsenic	0.2	ug/L	SW846 6020	J	DL
SW08-22	Iron	17.5	ug/L	SW846 6020	J	DL
SW08-22	Lead	0.22	ug/L	SW846 6020	J	DL
SW08-22	Manganese	0.088	ug/L	SW846 6020	J	DL
SW08-22	Nickel	0.16	ug/L	SW846 6020	J	DL
SW08-22	Potassium	979	ug/L	SW846 6020	J	MI
SW08-22	Thallium	1	ug/L	SW846 6020	U	CB
SW08-22	Vanadium	0.69	ug/L	SW846 6020	J	DL
SW08-22	Cobalt	0.12	ug/L	SW846 6020	J	DL
SW08-22	Aluminum	4.4	ug/L	SW846 6020	J	DL
SW08-22	trans-1,3-Dichloropropene	1	ug/L	SW846 8260B	UJ	LC
SW08-22	Trichloroethene	0.49	ug/L	SW846 8260B	J	DL
SW08-22	Bromoform	1	ug/L	SW846 8260B	UJ	LC
SW08-22	Carbon disulfide	1	ug/L	SW846 8260B	UJ	LC
SW08-22	Carbon tetrachloride	1	ug/L	SW846 8260B	UJ	LC
SW08-22	1,2-Dibromo-3-chloropropane	1	ug/L	SW846 8260B	UJ	LC
SW08-22	Chloroform	0.24	ug/L	SW846 8260B	J	DL
SW08-22	cis-1,3-Dichloropropene	1	ug/L	SW846 8260B	UJ	LC
SW08-22	Ammonia Nitrogen	0.12	mg/L	MCAWW 350.1	U	MB

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E070123

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SW08-22	Acenaphthene	0.15	ug/L	SW846 8270C	J	DL
SW08-22	Benzo(a)anthracene	0.071	ug/L	SW846 8270C	J	DL
SW08-22	Benzo(k)fluoranthene	0.1	ug/L	SW846 8270C	J	DL
SW08-22	Phenanthrene	0.19	ug/L	SW846 8270C	U	MB
SW08-22	bis(2-Ethylhexyl) phthalate	1.4	ug/L	SW846 8270C	U	MB
SW08-22	Benzaldehyde	0.95	ug/L	SW846 8270C	UJ	BC
SW08-22	Butyl benzyl phthalate	0.95	ug/L	SW846 8270C	U	MB
SW08-22	Chrysene	0.1	ug/L	SW846 8270C	J	DL
SW08-22	Dibenzofuran	0.95	ug/L	SW846 8270C	U	MB
SW08-22	Di-n-butyl phthalate	0.29	ug/L	SW846 8270C	J	DL
SW08-23	Antimony-DISS	2	ug/L	SW846 6020	U	MB, CB
SW08-23	Arsenic-DISS	0.33	ug/L	SW846 6020	J	DL
SW08-23	Iron-DISS	50	ug/L	SW846 6020	U	MB
SW08-23	Lead-DISS	0.35	ug/L	SW846 6020	J	DL
SW08-23	Nickel-DISS	0.63	ug/L	SW846 6020	J	DL
SW08-23	Potassium-DISS	948	ug/L	SW846 6020	J	MI
SW08-23	Selenium-DISS	0.33	ug/L	SW846 6020	J	DL
SW08-23	Silver-DISS	0.093	ug/L	SW846 6020	J	DL
SW08-23	Thallium-DISS	1	ug/L	SW846 6020	U	MB, CB
SW08-23	Cobalt-DISS	0.14	ug/L	SW846 6020	J	DL
SW08-23	Aluminum-DISS	6.6	ug/L	SW846 6020	J	DL
SW08-23	Antimony	2	ug/L	SW846 6020	U	CB
SW08-23	Iron	20.2	ug/L	SW846 6020	J	DL
SW08-23	Lead	0.64	ug/L	SW846 6020	J	DL
SW08-23	Nickel	0.12	ug/L	SW846 6020	J	DL
SW08-23	Potassium	920	ug/L	SW846 6020	J	MI
SW08-23	Selenium	0.34	ug/L	SW846 6020	J	DL
SW08-23	Silver	0.36	ug/L	SW846 6020	J	DL
SW08-23	Thallium	1	ug/L	SW846 6020	U	CB
SW08-23	Vanadium	0.52	ug/L	SW846 6020	J	DL
SW08-23	Cobalt	0.5	ug/L	SW846 6020	U	CB
SW08-23	Aluminum	7.2	ug/L	SW846 6020	J	DL
SW08-23	trans-1,3-Dichloropropene	1	ug/L	SW846 8260B	UJ	LC
SW08-23	Bromoform	1	ug/L	SW846 8260B	UJ	LC

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E070123

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SW08-23	Carbon disulfide	1	ug/L	SW846 8260B	UJ	LC
SW08-23	Carbon tetrachloride	1	ug/L	SW846 8260B	UJ	LC
SW08-23	1,2-Dibromo-3-chloropropane	1	ug/L	SW846 8260B	UJ	LC
SW08-23	Chloroform	0.31	ug/L	SW846 8260B	J	DL
SW08-23	cis-1,3-Dichloropropene	1	ug/L	SW846 8260B	UJ	LC
SW08-23	Ammonia Nitrogen	0.11	mg/L	MCAWW 350.1	U	MB
SW08-23	Phenanthrene	0.19	ug/L	SW846 8270C	U	MB
SW08-23	Phenol	0.13	ug/L	SW846 8270C	J	DL
SW08-23	bis(2-Ethylhexyl) phthalate	0.94	ug/L	SW846 8270C	U	MB
SW08-23	Benzaldehyde	0.94	ug/L	SW846 8270C	UJ	BC
SW08-23	Butyl benzyl phthalate	0.94	ug/L	SW846 8270C	U	MB
SW08-23	Dibenzofuran	0.94	ug/L	SW846 8270C	U	MB
SW08-DUP1	Antimony-DISS	2	ug/L	SW846 6020	U	MB, CB
SW08-DUP1	Lead-DISS	0.12	ug/L	SW846 6020	J	DL
SW08-DUP1	Nickel-DISS	0.14	ug/L	SW846 6020	J	DL
SW08-DUP1	Potassium-DISS	1140	ug/L	SW846 6020	J	MI
SW08-DUP1	Thallium-DISS	1	ug/L	SW846 6020	U	MB, CB
SW08-DUP1	Cobalt-DISS	0.1	ug/L	SW846 6020	J	DL
SW08-DUP1	Copper-DISS	0.78	ug/L	SW846 6020	J	DL
SW08-DUP1	Aluminum-DISS	5.4	ug/L	SW846 6020	J	DL
SW08-DUP1	Antimony	2	ug/L	SW846 6020	U	CB
SW08-DUP1	Lead	0.2	ug/L	SW846 6020	J	DL
SW08-DUP1	Nickel	0.13	ug/L	SW846 6020	J	DL
SW08-DUP1	Potassium	1160	ug/L	SW846 6020	J	MI
SW08-DUP1	Selenium	0.37	ug/L	SW846 6020	J	DL
SW08-DUP1	Thallium	1	ug/L	SW846 6020	U	CB
SW08-DUP1	Vanadium	1	ug/L	SW846 6020	U	CB
SW08-DUP1	Zinc	4	ug/L	SW846 6020	J	DL
SW08-DUP1	Cobalt	0.5	ug/L	SW846 6020	U	CB
SW08-DUP1	Aluminum	8.8	ug/L	SW846 6020	J	DL
SW08-DUP1	trans-1,3-Dichloropropene	1	ug/L	SW846 8260B	UJ	LC
SW08-DUP1	Trichloroethene	0.46	ug/L	SW846 8260B	J	DL
SW08-DUP1	Bromoform	1	ug/L	SW846 8260B	UJ	LC
SW08-DUP1	Carbon disulfide	1	ug/L	SW846 8260B	UJ	LC

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E070123

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SW08-DUP1	Carbon tetrachloride	1	ug/L	SW846 8260B	UJ	LC
SW08-DUP1	1,2-Dibromo-3-chloropropane	1	ug/L	SW846 8260B	UJ	LC
SW08-DUP1	Chloroform	0.24	ug/L	SW846 8260B	J	DL
SW08-DUP1	cis-1,3-Dichloropropene	1	ug/L	SW846 8260B	UJ	LC
SW08-DUP1	Ammonia Nitrogen	0.1	mg/L	MCAWW 350.1	U	MB
SW08-DUP1	Phenanthrene	0.16	ug/L	SW846 8270C	U	MB
SW08-DUP1	bis(2-Ethylhexyl) phthalate	1.8	ug/L	SW846 8270C	U	MB
SW08-DUP1	Benzaldehyde	0.94	ug/L	SW846 8270C	UJ	BC
SW08-DUP1	Dibenzofuran	0.94	ug/L	SW846 8270C	U	MB
TB-1	trans-1,3-Dichloropropene	1	ug/L	SW846 8260B	UJ	LC
TB-1	Bromoform	1	ug/L	SW846 8260B	UJ	LC
TB-1	Carbon disulfide	1	ug/L	SW846 8260B	UJ	LC
TB-1	Carbon tetrachloride	1	ug/L	SW846 8260B	UJ	LC
TB-1	1,2-Dibromo-3-chloropropane	1	ug/L	SW846 8260B	UJ	LC
TB-1	cis-1,3-Dichloropropene	1	ug/L	SW846 8260B	UJ	LC
SD08-20	Antimony	1.4	mg/kg	SW846 6020	J	LM
SD08-20	Arsenic	9.1	mg/kg	SW846 6020	J	HM
SD08-20	Beryllium	0.52	mg/kg	SW846 6020	J	LM
SD08-20	Selenium	0.63	mg/kg	SW846 6020	J	LM
SD08-20	Silver	0.21	mg/kg	SW846 6020	J	LM
SD08-20	Sodium	198	mg/kg	SW846 6020	J	MI
SD08-20	Thallium	0.11	mg/kg	SW846 6020	J	LM
SD08-20	Cadmium	1.3	mg/kg	SW846 6020	J	LM
SD08-20	Calcium	11400	mg/kg	SW846 6020	J	HM
SD08-20	Cobalt	7.7	mg/kg	SW846 6020	J	LM
SD08-20	Copper	63.6	mg/kg	SW846 6020	J	LM
SD08-20	Endosulfan sulfate	1.6	ug/kg	SW846 8081A	U	SE
SD08-20	Endrin ketone	1.6	ug/kg	SW846 8081A	U	SE
SD08-20	Heptachlor epoxide	1.6	ug/kg	SW846 8081A	U	SE
SD08-20	delta-BHC	3.4	ug/kg	SW846 8081A	U	SE
SD08-20	gamma-BHC (Lindane)	8.3	ug/kg	SW846 8081A	U	SE
SD08-20	gamma-Chlordane	1.6	ug/kg	SW846 8081A	U	SE
SD08-20	4,4'-DDD	1.6	ug/kg	SW846 8081A	U	SE
SD08-20	Methylene chloride	8.8	ug/kg	SW846 8260B	U	MB

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E070123

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-20	Acenaphthene	74	ug/kg	SW846 8270C	J	DL
SD08-20	2,4-Dimethylphenol	150	ug/kg	SW846 8270C	J	DL
SD08-20	Di-n-octyl phthalate	490	ug/kg	SW846 8270C	J	DL
SD08-20	4,6-Dinitro-2-methylphenol	3300	ug/kg	SW846 8270C	UJ	BC
SD08-20	2,4-Dinitrophenol	3300	ug/kg	SW846 8270C	UJ	BC
SD08-20	2-Methylphenol	130	ug/kg	SW846 8270C	J	DL
SD08-20	4-Methylphenol	520	ug/kg	SW846 8270C	J	DL
SD08-20	Benzaldehyde	630	ug/kg	SW846 8270C	UJ	BC
SD08-20	Butyl benzyl phthalate	270	ug/kg	SW846 8270C	J	DL
SD08-20	Dibenzofuran	160	ug/kg	SW846 8270C	J	DL
SD08-21	Antimony	1	mg/kg	SW846 6020	J	LM
SD08-21	Arsenic	2.5	mg/kg	SW846 6020	J	HM
SD08-21	Beryllium	0.15	mg/kg	SW846 6020	J	LM
SD08-21	Selenium	0.23	mg/kg	SW846 6020	J	LM, DL
SD08-21	Silver	7.2	mg/kg	SW846 6020	J	LM
SD08-21	Sodium	186	mg/kg	SW846 6020	J	MI
SD08-21	Thallium	0.037	mg/kg	SW846 6020	J	LM, DL
SD08-21	Cadmium	20.3	mg/kg	SW846 6020	J	LM
SD08-21	Calcium	31000	mg/kg	SW846 6020	J	HM
SD08-21	Cobalt	4.4	mg/kg	SW846 6020	J	LM
SD08-21	Copper	148	mg/kg	SW846 6020	J	LM
SD08-21	Heptachlor	8	ug/kg	SW846 8081A	U	SE
SD08-21	Methoxychlor	16	ug/kg	SW846 8081A	U	SE
SD08-21	delta-BHC	8	ug/kg	SW846 8081A	U	SE
SD08-21	gamma-BHC (Lindane)	21	ug/kg	SW846 8081A	U	SE
SD08-21	gamma-Chlordane	8	ug/kg	SW846 8081A	U	SE
SD08-21	Methylene chloride	7.3	ug/kg	SW846 8260B	U	MB
SD08-21	Acenaphthene	2300	ug/kg	SW846 8270C	J	LM
SD08-21	2,4-Dimethylphenol	390	ug/kg	SW846 8270C	J	DL
SD08-21	Di-n-octyl phthalate	310	ug/kg	SW846 8270C	J	DL
SD08-21	4,6-Dinitro-2-methylphenol	3200	ug/kg	SW846 8270C	UJ	BC
SD08-21	2,4-Dinitrophenol	3200	ug/kg	SW846 8270C	UJ	BC
SD08-21	2-Methylphenol	310	ug/kg	SW846 8270C	J	DL
SD08-21	Acetophenone	490	ug/kg	SW846 8270C	J	DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E070123

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-21	Benzaldehyde	940	ug/kg	SW846 8270C	J	BC
SD08-21	1,1'-Biphenyl	240	ug/kg	SW846 8270C	J	DL
SD08-21	Butyl benzyl phthalate	540	ug/kg	SW846 8270C	J	DL
SD08-21	4-Chloro-3-methylphenol	620	ug/kg	SW846 8270C	UJ	LM

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E070123

Reason Codes

BC - High initial calibration percent relative standard deviations
CB - Contaminated Blank
DL - Value was between method detection limit and reporting limit
HM - High matrix spike recovery
LC - Low continuing calibration verification result
LM - Low matrix spike recovery
MB - Method blank contamination
MI - High differences between serial dilution results
SE - Large differences between the primary and secondary column results.

Validation Codes:

U -The U qualifier indicates that an analyte is considered nondetected at the concentration listed. U qualifiers added during validation are typically a result of detection of target analytes in blanks.

J - The J qualifier indicates that the associated result is quantitatively uncertain. J qualifiers added during validation may indicate a concentration between the method detection limit (MDL) and the reporting limit (RL), or a data limitation related to a QC element that exceeds required acceptance limits.

UJ - The UJ qualifier indicates the RL is estimated. UJ qualifiers added during validation may indicate either a high or low bias related to a QC element that exceeds required acceptance limits.

TABLE 3
Field Duplicate Detected Results
Koppers Pond
SDG C8E070123

Analyte	Reporting Limit	Primary Result	Duplicate Result	RPD	Qualifier
Sample SW08-22/SW08-DUP1					
Magnesium-DISS	100	13800	13500	2%	none
Barium-DISS	10	130	127	2%	none
Potassium-DISS	100	1180	1140	3%	none
Sodium-DISS	100	100000	96800	3%	none
Zinc-DISS	5	14.8	5.8	87%	none
Chromium-DISS	2	2.7	2.8	4%	none
Calcium-DISS	100	73000	70700	3%	none
Magnesium	100	12300	14500	16%	none
Barium	10	112	131	16%	none
Potassium	100	979	1160	17%	none
Sodium	100	84800	101000	17%	none
Zinc	5	6.4	4	46%	none
Chromium	2	2.8	3	7%	none
Calcium	100	62100	73300	17%	none
Copper	2	5.9	4.7	23%	none
1,1,1-Trichloroethane	1	1.2	1.2	0%	none
Nitrobenzene	0.19	0.67	ND	NC	none
Benzo(b)fluoranthene	0.19	0.27	ND	NC	none
Hardness, as CaCO3	5	246	246	0%	none
Non-Distilled Fluoride	0.1	0.24	0.24	0%	none

DATA QUALITY REVIEW AND VALIDATION REPORT

Koppers Pond
Kentucky Avenue Wellfield Site
Operable Unit 4
Horseheads, New York

Organic and Inorganic Analyses Data
Samples Collected May 7, 2008

Prepared for:

Koppers Pond PRP Group

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773580000

July 2008

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Table 2 Data Validation Qualifiers

ACRONYMS & ABBREVIATIONS

°C	degrees Celsius
%D	percent deviation or percent drift in relative response
%RSD	percent relative standard deviation
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
µg/L	micrograms per liter
AMEC	AMEC Earth & Environmental, Inc.
CCV	continuing calibration verification
CLP	USEPA Contract Laboratory Program
COC	chain of custody
CRI	CRQL check standard
CRQL	contract-required quantitation limit
EDD	electronic data deliverable
EPA	United States Environmental Protection Agency
GC/ECD	gas chromatography/electron capture detector
GC/MS	gas chromatography/mass spectrometry
ICP	inductively coupled plasma
ICS	interference check sample
ICV	initial calibration verification
ID	site identification
IS	internal standard
LCS	laboratory control sample
MDL	method detection limit
MS	matrix spike
MSD	matrix spike duplicate
OSWER	EPA Office of Solid Waste and Emergency Response
PAH	polynuclear aromatic hydrocarbons

QAPP	Quality Assurance Project Plan
QC	quality control
PCB	polychlorinated biphenyl
RL	reporting limit
RRF	relative response factor
SDG	sample delivery group
SM	Standard Methods
SOP	standard operating procedure
SVOCs	semivolatile organic compounds
TA	Test America
TAL	Target Analyte List
TCMX	tetrachloro-meta-xylene
TOC	total organic carbon
TSS	total suspended solids
VOCs	volatile organic compounds

1.0 INTRODUCTION

This data quality review and validation report covers 7 surface water samples, including one trip blank, and 4 sediment samples from the Koppers Pond site located in Horseheads, New York. The samples were collected on May 7, 2008 and submitted to Test America (TA) in Pittsburgh, Pennsylvania on May 8, 2008. The samples were assigned sample delivery group (SDG) C8E080374. The following analyses were performed on these samples:

- Total and Dissolved Target Analyte List (TAL) metals by Environmental Protection Agency (EPA) SW-846 Methods 6020/7470A/7471A;
- Total cyanide by EPA SW-846 Method 9012A;
- Ammonia Nitrogen by EPA Method 350.1
- Total hardness as $CaCO_3$ by Standard Methods (SM) 2340-C;
- Nitrite by EPA Method 9056A;
- Total suspended solids (TSS) by SM 2540D;
- Fluoride by SM 4500-F C;
- Semivolatile organic compounds (SVOCs) by EPA SW-846 Method 8270C;
- Volatile organic compounds (VOCs) by EPA SW-846 Method 8260B;
- Pesticides by EPA SW-846 Method 8081A;
- Polychlorinated biphenyls (PCBs) as Aroclors by EPA SW-846 Method 8082;
- Total organic carbon (TOC) by Lloyd Kahn Method.

A list of these samples by field sample identification (ID), TA sample ID is presented in Table 1.

2.0 DATA QUALITY REVIEW AND DATA VALIDATION METHODOLOGY

AMEC Earth & Environmental, Inc. (AMEC) performed this data quality review and validation with reference to the EPA Office of Solid Waste and Emergency Response

(OSWER) National Functional Guidelines for Inorganic Data Review (October 2004), National Functional Guidelines for Organic Data Review (October 1999), including Region II modifications, if any, and associated method quality control requirements. These EPA guidelines were written specifically for the Contract Laboratory Program (CLP), and have been modified for the purposes of this data quality review and validation where they differ from method and Quality Assurance Project Plan (QAPP) quality control (QC) requirements.

AMEC's data validation methodology complied with the validation procedures specified in the Koppers Pond QAPP, dated April 2008. The laboratory's raw analytical data packages were reviewed to assess the criteria outlined in QAPP:

- Data completeness;
- Holding times;
- Calibration;
- Blanks;
- Inductively coupled plasma (ICP) check sample;
- Matrix spike/matrix spike duplicate samples (MS/MSD);
- Laboratory duplicate samples:
- Field Duplicates;
- Laboratory control samples (LCS);
- ICP serial dilution;
- Detection limits;
- Sample dilutions;
- Gas chromatography/mass spectrometry (GC/MS) tuning;
- Instrument performance;
- Surrogate recoveries;
- Internal standards (IS); and
- Compound identification.

In general, it is important to recognize that no analytical data are guaranteed to be correct, even if all QC audits are passed. Strict QC serves to increase confidence in data, but any reported value may potentially contain error.

In accordance with the specifications of QAPP, the data validation process comprised 20% full validation of the raw analytical data and 80% data quality review for all methods, based on information provided by the laboratory as summary reporting forms. Data that underwent data quality review and data validation are indicated on Table 1.

3.0 EXECUTIVE SUMMARY

The data are generally usable and of good quality.

A number of detected metal, VOC, pesticide, and conventional chemistry results were U qualified as nondetected because of contamination in the associated laboratory and/or trip blanks.

A number of detected pesticide results were U qualified as nondetected because of probable matrix interference from Aroclors and PAHs as demonstrated by the very high percent differences between dual column results.

No data were rejected and 100% of the data should be considered valid which meets the 90% data quality objective.

4.0 SPECIFIC DATA VALIDATION FINDINGS FOR EACH ANALYTICAL METHOD

Sections 4.1 to 4.8 of this Data Validation Report contain narrative descriptions of data validation findings and data quality limitations. Definitions of data qualifiers added during validation and summaries of specific qualifiers added to each affected sample as a result of the data validation findings are presented in Table 2.

4.1 Data Deliverables

The submitted data packages contained all documentation elements required for full validation.

4.2 Chain of Custody and Sample Receipt Condition Documentation

All samples were received at TA in good condition and at less than the EPA-recommended temperature of 6 degrees Celsius (°C). There were no anomalies associated with sample receipt condition or chain of custody (COC) documentation.

4.3 Volatile Organic Compounds by EPA SW-846 Method 8260B

VOC results generated by TA for samples covered in this report are considered usable with the limitations described in Sections 4.3.1 through 4.3.9.

4.3.1 Holding Times

All aqueous samples were analyzed within the QAPP-specified maximum holding time of 10 days for analysis of preserved samples. All soil samples were analyzed within the QAPP-specified 10 day holding time for unpreserved samples.

4.3.2 Initial Calibration

The method-specified minimum relative response factor (RRF) and percent relative standard deviation (%RSD) criteria were met for the initial calibrations associated with VOC analysis of the samples covered in this report.

4.3.3 Continuing Calibration

The Region II-specified minimum RRF and percent deviation or percent drift (%D) criteria were met for the continuing calibrations associated with VOC analysis of the samples covered in this report, except as described below:

- The acetone %D of 30.8% (bias high) was greater than the 20% Region II-specified acceptance limit in the continuing calibration verification (CCV) analyzed on May 12, 2008 at 04:53 on instrument HP3. AMEC J qualified the detected acetone results from the following samples because of possible high bias in the analytical results: SD08-29 and SD08-24.
- The bromomethane (34.5%, bias low), trichlorotrifluoromethane (31.0%, bias low), dichlorodifluoromethane (22.8%, bias high), and acetone (25.4%, bias high) %Ds were greater than the 20% Region II-specified acceptance limit in the CCV analyzed on May 16, 2008 at 10:10 on instrument HP5. Specific limitations include the following:

- AMEC J qualified the detected acetone results from the following samples because of possible high bias in the analytical results: SW08-25, SW08-26, and SW08-27.
- AMEC UJ qualified the nondetected bromomethane and trichlorofluoromethane results from the following samples because of possible low bias in the analytical results: TB-2, SW08-24, SW08-25, SW08-26, SW08-27, SW08-28, and SW08-29
- Dichlorodifluoromethane was not detected in the associated samples; therefore, data usability is not adversely affected by the potential high bias.

4.3.4 Blanks

VOCs were not detected in the laboratory blanks associated with the VOC sample analysis.

Methylene chloride was detected in the trip blank TB-2 at a concentration of 0.2 micrograms per liter (µg/L). AMEC U qualified the detected methylene chloride results from samples SD08-29, SD08-28, SD08-24, and SD08-27 because the sample concentrations were less than 10 times the associated trip blank concentration, indicating possible contamination.

4.3.5 Surrogate Recoveries

All surrogate recoveries were within the laboratory-specified limits for VOC analysis of the samples covered in this report.

4.3.6 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for VOC analysis of the samples covered in this report.

4.3.7 Matrix Spike/Matrix Spike Duplicate Recovery

MS/MSD recoveries were within the laboratory-specified limits for VOC analysis of the samples covered in this report.

4.3.8 Internal Standard Recoveries

IS recoveries were all within the method-specified 50% to 200% acceptance limits for the VOC sample analysis covered in this report.

4.3.9 Data Reporting and Analytical Procedures

The laboratory J qualified detected results with concentrations between the reporting limit (RL) and method detection limit (MDL). AMEC concurs that these results are quantitative estimates and J qualified these results unless the results were previously U qualified because of blank contamination.

4.4 Semivolatile Organic Compounds by EPA SW-846 Method 8270C

SVOC results generated by TA for the samples covered in this report are considered usable with the limitations described in Sections 4.4.1 through 4.4.9.

4.4.1 Holding Times

All samples were extracted and analyzed within the QAPP-specified maximum holding time of 7 days for aqueous extraction, 14 days for solid extraction, and 40 days for analysis.

4.4.2 Initial Calibration

The Region II-specified minimum RRF and %RSD criteria not met for the initial calibrations associated with the SVOC sample analysis are described below.

- The benzaldehyde %RSD of 38.7% was greater than the Region II-specified 15% RSD acceptance limit in the initial calibration analyzed on May 2, 2008 on instrument 71. AMEC J qualified the detected benzaldehyde results and UJ qualified the nondetected benzaldehyde results from the following samples because of possible bias in the analytical results: SW08-24, SW08-25, SW08-26, SW08-27, SW08-28, and SW08-29.
- The benzaldehyde (28.3%); 2,4-dinitrophenol (21.9%); 3,3'-dichlorobenzidine (29.9%); di-n-octylphthalate (19.3%) %RSDs were greater than the Region II-specified 15% RSD acceptance limit in the initial calibration analyzed on May 5, 2008 on instrument 732. AMEC J qualified the detected results and UJ qualified the nondetected results for these analytes from the following samples because of possible bias in the analytical results: SD08-24, SD08-27, SD08-28, and SD08-29.

4.4.3 Continuing Calibration

The Region II-specified minimum RRF and %D criteria were met for the continuing calibrations associated with the SVOC sample analysis, except as described below.

- The benzaldehyde %D of 29.5% (bias high) in the CCV analyzed on May 15, 2008 on instrument 732 was outside the Region II-specified ±20% acceptance limit. AMEC J qualified the detected benzaldehyde results from the following samples because of possible high bias in the analytical results: SD08-24, SD08-28, and SD08-29.
- The benzaldehyde %D of 34.8% (bias high) in the CCV analyzed on May 12, 2008 on instrument 71 was outside the Region II-specified ±20% acceptance limit. AMEC J qualified the detected benzaldehyde results from the following samples because of possible high bias in the analytical results: SW08-27 and SW08-29.

4.4.4 Laboratory Blanks

Qualifications results from SVOCs detected in the laboratory blanks are described in the following table.

Blank ID	Detected Analytes	Analyte Concentration	Sample Results U Qualified as Nondetected because of Associated Blank Results
Method Blank KMWXP1AA	Bis(2-ethylhexyl)phthalate	0.23 µg/L	SW08-24 SW08-25 SW08-26 SW08-27 SW08-28 SW08-29
	Butylbenzylphthalate	0.23 µg/L	SW08-24 SW08-25 SW08-26 SW08-27 SW08-28 SW08-29
	Dibenzofuran	0.17 µg/L	SW08-24 SW08-25 SW08-26 SW08-27 SW08-28 SW08-29
	Naphthalene	0.066 µg/L	None
	Phenanthrene	0.15 µg/L	SW08-24 SW08-25 SW08-26 SW08-27 SW08-28 SW08-29

4.4.5 Surrogate Recoveries

Surrogate recoveries were within the laboratory-specified limits for the SVOC sample analysis.

4.4.6 Matrix Spike/Matrix Spike Duplicate Recovery

MS/MSD recoveries were within the laboratory-specified limits for the SVOC sample analysis.

4.4.7 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for the SVOC sample analysis.

4.4.8 Internal Standard Recoveries

IS recoveries outside the method-specified 50% to 200% acceptance limits for the SVOC sample analysis are described below.

The perylene-d_{12} recovery was high (>200%) in the analysis of sample SD08-24. AMEC J qualified the detected di-n-octylphthalate result from this sample because of possible high bias.

4.4.9 Analytical Procedures and Reporting

The laboratory J qualified detected results with concentrations between the RL and MDL. AMEC concurs that these results are quantitative estimates and J qualified (unless U qualified due to blank contamination) these results.

The laboratory reanalyzed sample SD08-24 at a 50-fold dilution because several target analyte concentrations in the original analysis exceeded the instrument calibration range. AMEC reported the results for these analytes from the diluted analysis.

Benzo(b)fluoranthene and benzo(k)fluoranthene were not resolved in the diluted analysis of sample SD08-24. The laboratory reported the benzo(k)fluoranthene as nondetected in the diluted analysis. In AMEC's professional opinion, the benzo(b)fluoranthene concentration reported by the laboratory in the data package and electronic data deliverable (EDD) is the sum of benzo(b)fluoranthene and benzo(k)fluoranthene.

4.5 Pesticides by USEPA SW-846 Method 8081A

Pesticide results generated by TA for the samples covered in this report are considered usable with the limitations described in Sections 4.5.1 through 4.5.8.

4.5.1 Holding Times

All samples were extracted and analyzed within the QAPP-specified maximum holding time of 7 days for aqueous extraction, 14 days for solid extraction, and 40 days for analysis.

4.5.2 Initial Calibration

The method-specified %RSD and retention time criteria were met for the initial calibrations associated with the pesticide sample analysis.

4.5.3 Continuing Calibration

The method-specified %D and retention time criteria were met for the continuing calibrations associated with the pesticide sample analysis.

4.5.4 Blanks

No target analytes were detected in the laboratory blanks associated with the pesticide analysis.

4.5.5 Surrogate Recoveries

Surrogate recoveries associated with the pesticide sample analysis outside laboratory-specified acceptance limits are described below.

Tetrachloro-m-xylene (TCMX) recovery of 24% in sample SD08-29 was less than the laboratory-specified 31% to 131% acceptance limits. AMEC J qualified the detected pesticide results and UJ qualified the nondetected pesticide results from sample SD08-29 because of possible low bias in the analytical results.

4.5.6 Matrix Spike/Matrix Spike Duplicate Accuracy and Precision

MS/MSD recoveries were within the laboratory-specified limits for the pesticide sample analysis.

4.5.7 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for the pesticide sample analysis.

4.5.8 Data Reporting and Analytical Procedures

There was greater than 25% difference between the pesticide concentrations from the primary and secondary analytical columns for the samples listed in the following table. Analysis of pesticides using conventional GC/ECD techniques can result in an extremely high rate of false positive detections, as referenced in literature including a memo titled *EPA Region 10 Clarification of SW-846 Method 8081 and Supplemental Guidance for Data Review*, dated May 3, 2006. In AMEC's professional judgment, based on the very large percent differences between primary and secondary column results, the reported insecticide results are likely false positives that result from interferences from the PAHs and PCBs detected in these samples. In addition, Region II validation guidelines (SOP HW-44) allow "U" qualification based on the presence of interferences and large differences between dual-column results. AMEC U qualified the detected pesticide concentrations as listed in the table below based on professional judgment of the chemists performing the review. If greater certainty regarding possible presence of low concentrations of pesticides is required to achieve project DQOs, AMEC recommends consideration of either high resolution mass spectrometry (HRMS) or tandem mass spectrometry (MS/MS) as the determinative technique for future pesticide analyses.

Sample ID	Analyte	%D	Qualification
SD08-29	delta-BHC	114	U
	Aldrin	141	U
	4,4'-DDD	186	U
	Endrin Ketone	218	U
	gamma-Chlordane	185	U
SD08-28	Aldrin	333	U
	Heptachlor Epoxide	153	U
	Endrin Ketone	136	U
	alpha-Chlordane	105	U
	gamma-Chlordane	72.8	U
SD08-24	gamma-BHC (Lindane)	57.0	U
	Heptachlor	54.1	U
	Endrin	91.0	U
	4,4'-DDD	66.9	U
	alpha-Chlordane	419	U
	gamma-Chlordane	1000	U
SD08-27	delta-BHC	784	U
	gamma-BHC (Lindane)	87.9	U

4.6 Polychlorinated Biphenyls as Aroclors by USEPA SW-846 Method 8082

PCB results generated by TA for the samples covered in this report may be considered usable and without qualification.

4.6.1 Holding Times

All samples were extracted and analyzed within the QAPP-specified maximum holding time of 7 days for aqueous extraction, 14 days for solid extraction, and 40 days for PCB analysis.

4.6.2 Initial Calibration

The method-specified %RSD and retention time criteria were met for the initial calibrations associated with the PCB sample analysis.

4.6.3 Continuing Calibration

The method-specified %D and retention time criteria were met for the continuing calibrations associated with the PCB sample analysis.

4.6.4 Blanks

No target analytes were detected in the laboratory blanks associated with the PCB sample analysis.

4.6.5 Surrogate Recoveries

Surrogate recoveries associated with the PCB sample analysis were within the laboratory-specified acceptance limits.

4.6.6 Matrix Spike/Matrix Spike Duplicate Accuracy and Precision

MS/MSD recoveries were within the laboratory-specified limits for the PCB sample analysis.

4.6.7 Laboratory Control Sample Recovery

LCS recoveries were within the laboratory-specified limits for the PCB sample analysis.

4.6.8 Data Reporting

The laboratory J qualified detected Aroclor-1260 result from sample SD08-27 with a concentration between the RL and MDL. AMEC concurs that this result is a quantitative estimate and J qualified the result.

4.7 Target Analyte List Metals by EPA SW-846 Methods 6020/7470A/7471A

Samples covered in this report underwent total and dissolved metals analysis by EPA SW-846 Methods 6020/7470A/7471A at TA. The results are usable with the limitations and exceptions described in Sections 4.7.1 through 4.7.8.

4.7.1 Holding Times

All samples were analyzed for metals within the QAPP-specified technical holding time of 180 days and for mercury within the QAPP-specified technical holding time of 26 days.

4.7.2 Initial Calibration

The initial calibrations associated with the analysis of these samples met the method-specified acceptance criteria.

4.7.3 Initial and Continuing Calibration Verification

All initial calibration verifications (ICVs) and CCVs associated with the analysis of these samples met the method-specified acceptance criteria.

4.7.4 Contract-required Quantitation Limit Check Standard

All contract-required quantitation limit (CRQL) check standards (CRIs) associated with the analysis of these samples met the method-specified acceptance criteria.

4.7.5 Blanks

Initial and Continuing Calibration Blanks

Target analytes detected at concentrations greater than the MDL in calibration blanks associated with the metals sample analysis are described in the following table.

Blank ID	Detected Analytes	Analyte Concentration	Sample Results U Qualified as Nondetected because of Associated Calibration Blank Results	
			Total	Dissolved
ICB 5/25/08 ICPMS	Antimony	0.11 µg/L	SW08-24 SW08-25 SW08-26 SW08-27 SW08-28 SW08-29	SW08-24 SW08-25 SW08-26 SW08-27 SW08-28 SW08-29
	Magnesium	4.70 µg/L	None	None
CCB1 5/25/08 ICPMS	Antimony	0.20 µg/L	Not applicable	SW08-24
	Magnesium	5.34 µg/L	Not applicable	None
	Potassium	10.81 µg/L	Not applicable	None
	Thallium	0.02 µg/L	Not applicable	SW08-24
CCB2 5/25/08 ICPMS	Antimony	0.22 µg/L	Not applicable	SW08-25 SW08-26 SW08-27 SW08-28 SW08-29
	Magnesium	4.17 µg/L	Not applicable	None
	Thallium	0.02 µg/L	Not applicable	SW08-25 SW08-26
CCB3 5/25/08 ICPMS	Antimony	0.22 µg/L	SW08-24 SW08-25 SW08-26 SW08-27 SW08-28 SW08-29	SW08-25 SW08-26 SW08-27 SW08-28 SW08-29
	Magnesium	7.86 µg/L	None	None
	Thallium	0.03 µg/L	SW08-24 SW08-25 SW08-26 SW08-27 SW08-28	SW08-25 SW08-26
CCB4 5/25/08 ICPMS	Antimony	0.22 µg/L	SW08-24 SW08-25 SW08-26 SW08-27 SW08-28 SW08-29	Not applicable
	Calcium	12.11 µg/L	None	Not applicable
	Cobalt	0.02 µg/L	None	Not applicable
	Magnesium	12.07 µg/L	None	Not applicable
	Potassium	7.32 µg/L	None	Not applicable
	Thallium	0.03 µg/L	SW08-24 SW08-25 SW08-26 SW08-27 SW08-28	Not applicable

Blank ID	Detected Analytes	Analyte Concentration	Sample Results U Qualified as Nondetected because of Associated Calibration Blank Results	
			Total	Dissolved
	Vanadium	0.10 µg/L	SW08-25 SW08-26 SW08-27 SW08-28	Not applicable

Preparation Blanks

Target analytes detected at concentrations greater than the MDL in preparation blanks associated with the metals sample analysis are described in the following table.

Blank ID	Detected analytes	Analyte concentration	Sample Results U Qualified as Nondetected because of Associated Preparation Blank Results	
			Total	Dissolved
C8E220000-024	Chromium	0.012 milligrams per kilogram (mg/kg)	None	Not Applicable
	Iron	0.68 mg/kg	None	Not Applicable
	Antimony	0.016 mg/kg	None	Not Applicable
	Vanadium	0.011 mg/kg	None	Not Applicable
	Zinc	0.016 mg/kg	None	Not Applicable
C8E220000-377	Chromium	0.32 µg/L	None	Not Applicable
	Sodium	7.5 µg/L	None	Not Applicable
C8E220000-381	Chromium	0.25 µg/L	Not Applicable	None
	Iron	17.2 µg/L	Not Applicable	None
	Potassium	8.4 µg/L	Not Applicable	None
	Sodium	9.5 µg/L	Not Applicable	None
	Thallium	0.048 µg/L	Not Applicable	SW08-25 SW08-26
	Antimony	0.36 µg/L	Not Applicable	SW08-24 SW08-25 SW08-26 SW08-27 SW08-28 SW08-29

4.7.6 Inductively Coupled Plasma Interference Check Sample

All interference check samples (ICSs) exhibited recoveries within the 80% to 120% method-specified acceptance limits.

4.7.7 Laboratory Control Sample Recovery

Recoveries were within the method-specified acceptance limits in all LCS samples associated with the metals and cyanide sample analysis.

4.7.8 Data Reporting and Analytical Procedures

The laboratory B qualified detected results with concentrations between the CRQL and MDL. AMEC concurs that these results are quantitative estimates and J qualified (unless U qualified due to blank contamination) these results.

4.8 Conventional Chemistry Parameters

Conventional chemistry results generated by TA for the samples covered in this report may be considered usable with the limitations described below.

- The laboratory J qualified detected results with concentrations between the RL and MDL. AMEC concurs that these results are quantitative estimates and J qualified these results.
- Cyanide was detected in method blank BLK-C8E150000443B at a concentration of 0.15 mg/kg. AMEC U qualified the detected cyanide results from samples SD08-29, SD08-24, and SD08-27 because the sample concentrations were less than five times the associated method blank concentration.
- Ammonia Nitrogen was detected in method blank BLK-C8E090000150B at a concentration of 0.048 milligrams per liter (mg/L). AMEC U qualified the detected ammonia nitrogen results from samples SW08-24 and SW08-28 because the sample concentrations were less than five times the associated method blank concentration.
- TA performed nitrite analysis on samples SW08-24, SW08-25, SW08-26, SW08-27, SW08-28, and SW08-29 2 to 8 hours past the 48-hour holding time. According to the QAPP (Table B2-3), the holding time for nitrite analysis is 48 hours from sample collection. AMEC UJ qualified the nondetected nitrite results from these samples because of possible low bias in the analytical results due to the holding time exceedance.

5.0 SUMMARY AND CONCLUSIONS

AMEC's review indicates the data from this event are generally usable and of good quality. The types of qualifications applied to the dataset included nondetected data (U) and estimated data (J or UJ).

Nondetected Qualified Data. A number of detected metal, VOC, pesticide, and conventional chemistry results were U qualified as nondetected because of contamination in the associated laboratory and/or trip blanks or interferences. Results that were U qualified as nondetected were not further qualified due to other associated QC outliers.

Estimated Data. Portions of the VOC, SVOC, pesticide, PCB, metals, and conventional chemistry data were qualified as estimated due to calibration issues, a low surrogate recovery, a high internal standard recovery, exceeded holding times, and concentrations between the MDLs and RLs.

Data Completeness Assessment. A total of 1,870 data records were evaluated during the data validation and review of the sample results. Of the total data records, 201 records (11%) were qualified as estimated concentrations. Estimated concentrations may be associated with either the nondetected concentration limits (UJ) or the concentration of detected target analytes (J). Of the total data records, 75 (4.0%) were qualified as nondetected as a result of a detection of a target analyte in the associated blanks or interferences. The total hardness, TSS, fluoride, and TOC data did not require qualification.

No data were rejected; therefore, 100% of the data should be considered valid which meets the 90% project data quality objective.

REFERENCES

AMEC, 2008, Sampling and Analysis Plan, Volume II - Quality Assurance Project Plan, Koppers Pond, Kentucky Avenue Wellfield Site, Operable Unit 4, Horseheads, New York.

EPA, 1999. *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, USEPA-540-R-99-008.

EPA, 2004. *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, EPA 540-R-04-004.

EPA, 2006. USEPA Region 10, Clarification of SW-846 Method 8081 and Supplemental Guidance for Data Review, May 3, 2006

Pyle, Steven M., Alvin B. Marcus, and Gary L. Robertson, 1998. ECD-Dual-Column Pesticide Method Verification by Ion Trap GC/MS and MS/MS. *Environmental Science Technology* 32, 3213-3217.

LIMITATIONS

This report was prepared exclusively for Koppers Pond PRP Group by AMEC Earth & Environmental, Inc. (AMEC). The quality of information, conclusions, and estimates contained herein is consistent with the level of effort involved in AMEC services and based on: i) information available at the time of preparation, ii) data supplied by outside sources, and iii) the assumptions, conditions, and qualifications set forth in this report. This Data Validation Report is intended to be used by Koppers Pond PRP Group for the Remedial Investigation/Feasibility Study, Koppers Pond, Kentucky Avenue Wellfield Superfund Site, Operable Unit 4, Horseheads, New York only, subject to the terms and conditions of its contract with AMEC. Any other use of, or reliance on, this report by any third party is at that party's sole risk.

TABLES

TABLE 1
Field Samples Submitted to TestAmerica
Koppers Pond
SDG C8E080374

Sample ID	Collection Date	Matrix	TestAmerica Sample ID	Data Validation Level	VOCs	SVOCs	Pesticides	PCBs	Metals	Conventional Chemistry	Notes
TB-2	5/7/2008	Water	C8E080374-001	Full	√						Trip Blank
SW08-24	5/7/2008	Water	C8E080374-002	Full	√	√	√	√	√	√	
SW08-25	5/7/2008	Water	C8E080374-003	DQR	√	√	√	√	√	√	
SW08-26	5/7/2008	Water	C8E080374-004	DQR	√	√	√	√	√	√	
SW08-27	5/7/2008	Water	C8E080374-005	DQR	√	√	√	√	√	√	
SW08-28	5/7/2008	Water	C8E080374-006	DQR	√	√	√	√	√	√	
SW08-29	5/7/2008	Water	C8E080374-007	DQR	√	√	√	√	√	√	
SD08-29	5/7/2008	Sediment	C8E080374-008	Full	√	√	√	√	√	√	
SD08-28	5/7/2008	Sediment	C8E080374-009	DQR	√	√	√	√	√	√	
SD08-24	5/7/2008	Sediment	C8E080374-010	DQR	√	√	√	√	√	√	
SD08-27	5/7/2008	Sediment	C8E080374-011	DQR	√	√	√	√	√	√	

DQR = Data quality review as described by Section 10.2.1 of the Quailty Assurance Project Plan,
Quality Assurance Project Plan, Koppers Pond, Kentucky Avenue Wellfield Site, Operable Unit 4, April 2008
ID = identification
PCBs = polychlorinated biphenyls
SDG = sample delivery group
SVOCs = semivolatile organic compounds
VOCs = volatile organic compounds

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E080374

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
TB-2	Trichlorofluoromethane	1	ug/L	SW846 8260B	UJ	LC
TB-2	Methylene chloride	0.2	ug/L	SW846 8260B	J	DL
TB-2	Bromomethane	1	ug/L	SW846 8260B	UJ	LC
SW08-24	Trichlorofluoromethane	1	ug/L	SW846 8260B	UJ	LC
SW08-24	Trichloroethene	0.56	ug/L	SW846 8260B	J	DL
SW08-24	Bromodichloromethane	0.12	ug/L	SW846 8260B	J	DL
SW08-24	Bromomethane	1	ug/L	SW846 8260B	UJ	LC
SW08-24	Chloroform	0.23	ug/L	SW846 8260B	J	DL
SW08-24	cis-1,2-Dichloroethene	0.1	ug/L	SW846 8260B	J	DL
SW08-24	Antimony	2	ug/L	SW846 6020	U	CB
SW08-24	Arsenic	0.18	ug/L	SW846 6020	J	DL
SW08-24	Iron	18.7	ug/L	SW846 6020	J	DL
SW08-24	Lead	0.1	ug/L	SW846 6020	J	DL
SW08-24	Nickel	0.17	ug/L	SW846 6020	J	DL
SW08-24	Selenium	0.37	ug/L	SW846 6020	J	DL
SW08-24	Thallium	1	ug/L	SW846 6020	U	CB
SW08-24	Cobalt	0.11	ug/L	SW846 6020	J	DL
SW08-24	Aluminum	12.4	ug/L	SW846 6020	J	DL
SW08-24	bis(2-Ethylhexyl) phthalate	0.88	ug/L	SW846 8270C	U	MB
SW08-24	Benzaldehyde	0.95	ug/L	SW846 8270C	UJ	BC
SW08-24	Butyl benzyl phthalate	0.18	ug/L	SW846 8270C	U	MB
SW08-24	Dibenzofuran	0.17	ug/L	SW846 8270C	U	MB
SW08-24	Ammonia Nitrogen	0.14	mg/L	MCAWW 350.1	U	MB
SW08-24	Phenanthrene	0.19	ug/L	SW846 8270C	U	MB
SW08-24	Cobalt-DISS	0.15	ug/L	SW846 6020	J	DL
SW08-24	Antimony-DISS	2	ug/L	SW846 6020	U	CB, MB
SW08-24	Lead-DISS	0.097	ug/L	SW846 6020	J	DL
SW08-24	Manganese-DISS	0.21	ug/L	SW846 6020	J	DL
SW08-24	Nickel-DISS	0.52	ug/L	SW846 6020	J	DL
SW08-24	Thallium-DISS	1	ug/L	SW846 6020	U	CB
SW08-24	Nitrite	0.05	mg/L	SW846 9056A	UJ	HT
SW08-24	Aluminum-DISS	7.1	ug/L	SW846 6020	J	DL
SW08-25	Nitrite	0.05	mg/L	SW846 9056A	UJ	HT
SW08-25	Antimony-DISS	2	ug/L	SW846 6020	U	CB, MB

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E080374

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SW08-25	Arsenic-DISS	0.51	ug/L	SW846 6020	J	DL
SW08-25	Iron-DISS	19.2	ug/L	SW846 6020	J	DL
SW08-25	Lead-DISS	0.13	ug/L	SW846 6020	J	DL
SW08-25	Selenium-DISS	0.52	ug/L	SW846 6020	J	DL
SW08-25	Thallium-DISS	1	ug/L	SW846 6020	U	CB, MB
SW08-25	Vanadium-DISS	0.17	ug/L	SW846 6020	J	DL
SW08-25	Cobalt-DISS	0.21	ug/L	SW846 6020	J	DL
SW08-25	Aluminum-DISS	4.1	ug/L	SW846 6020	J	DL
SW08-25	Phenanthrene	0.2	ug/L	SW846 8270C	U	MB
SW08-25	Phenol	0.091	ug/L	SW846 8270C	J	DL
SW08-25	bis(2-Ethylhexyl) phthalate	0.35	ug/L	SW846 8270C	U	MB
SW08-25	Benzaldehyde	0.94	ug/L	SW846 8270C	UJ	BC
SW08-25	Butyl benzyl phthalate	0.2	ug/L	SW846 8270C	U	MB
SW08-25	Dibenzofuran	0.16	ug/L	SW846 8270C	U	MB
SW08-25	Antimony	2	ug/L	SW846 6020	U	CB
SW08-25	Iron	33.2	ug/L	SW846 6020	J	DL
SW08-25	Lead	0.16	ug/L	SW846 6020	J	DL
SW08-25	Selenium	0.28	ug/L	SW846 6020	J	DL
SW08-25	Thallium	1	ug/L	SW846 6020	U	CB
SW08-25	Vanadium	1	ug/L	SW846 6020	U	CB
SW08-25	Cobalt	0.14	ug/L	SW846 6020	J	DL
SW08-25	Aluminum	12.4	ug/L	SW846 6020	J	DL
SW08-25	Chloroform	0.34	ug/L	SW846 8260B	J	DL
SW08-25	Acetone	5.2	ug/L	SW846 8260B	J	HC
SW08-25	Trichlorofluoromethane	1	ug/L	SW846 8260B	UJ	LC
SW08-25	1,1,1-Trichloroethane	0.44	ug/L	SW846 8260B	J	DL
SW08-25	Bromodichloromethane	0.14	ug/L	SW846 8260B	J	DL
SW08-25	Bromomethane	1	ug/L	SW846 8260B	UJ	LC
SW08-25	2-Butanone	0.72	ug/L	SW846 8260B	J	DL
SW08-26	Acetone	5.8	ug/L	SW846 8260B	J	HC
SW08-26	Trichlorofluoromethane	1	ug/L	SW846 8260B	UJ	LC
SW08-26	Toluene	0.73	ug/L	SW846 8260B	J	DL
SW08-26	1,1,1-Trichloroethane	0.49	ug/L	SW846 8260B	J	DL
SW08-26	Bromodichloromethane	0.1	ug/L	SW846 8260B	J	DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E080374

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SW08-26	Bromomethane	1	ug/L	SW846 8260B	UJ	LC
SW08-26	Chloroform	0.23	ug/L	SW846 8260B	J	DL
SW08-26	Aluminum	16.6	ug/L	SW846 6020	J	DL
SW08-26	4-Methylphenol	0.098	ug/L	SW846 8270C	J	DL
SW08-26	Phenanthrene	0.24	ug/L	SW846 8270C	U	MB
SW08-26	Phenol	0.14	ug/L	SW846 8270C	J	DL
SW08-26	bis(2-Ethylhexyl) phthalate	1.9	ug/L	SW846 8270C	U	MB
SW08-26	Benzaldehyde	0.94	ug/L	SW846 8270C	UJ	BC
SW08-26	Butyl benzyl phthalate	0.29	ug/L	SW846 8270C	U	MB
SW08-26	Dibenzofuran	0.16	ug/L	SW846 8270C	U	MB
SW08-26	Di-n-butyl phthalate	0.28	ug/L	SW846 8270C	J	DL
SW08-26	Antimony	2	ug/L	SW846 6020	U	CB
SW08-26	Arsenic	0.82	ug/L	SW846 6020	J	DL
SW08-26	Lead	0.24	ug/L	SW846 6020	J	DL
SW08-26	Selenium	0.44	ug/L	SW846 6020	J	DL
SW08-26	Thallium	1	ug/L	SW846 6020	U	CB
SW08-26	Vanadium	1	ug/L	SW846 6020	U	CB
SW08-26	Cobalt	0.14	ug/L	SW846 6020	J	DL
SW08-26	Acenaphthene	0.14	ug/L	SW846 8270C	J	DL
SW08-26	Antimony-DISS	2	ug/L	SW846 6020	U	CB, MB
SW08-26	Arsenic-DISS	0.39	ug/L	SW846 6020	J	DL
SW08-26	Iron-DISS	17.6	ug/L	SW846 6020	J	DL
SW08-26	Lead-DISS	0.15	ug/L	SW846 6020	J	DL
SW08-26	Selenium-DISS	0.45	ug/L	SW846 6020	J	DL
SW08-26	Thallium-DISS	1	ug/L	SW846 6020	U	CB, MB
SW08-26	Cobalt-DISS	0.19	ug/L	SW846 6020	J	DL
SW08-26	Aluminum-DISS	5.9	ug/L	SW846 6020	J	DL
SW08-26	Nitrite	0.05	mg/L	SW846 9056A	UJ	HT
SW08-27	Antimony-DISS	2	ug/L	SW846 6020	U	CB, MB
SW08-27	Arsenic-DISS	0.3	ug/L	SW846 6020	J	DL
SW08-27	Lead-DISS	0.07	ug/L	SW846 6020	J	DL
SW08-27	Nickel-DISS	0.92	ug/L	SW846 6020	J	DL
SW08-27	Selenium-DISS	0.43	ug/L	SW846 6020	J	DL
SW08-27	Vanadium-DISS	0.18	ug/L	SW846 6020	J	DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SW08-27	Nitrite	0.05	mg/L	SW846 9056A	UJ	HT
SW08-27	Copper-DISS	1.4	ug/L	SW846 6020	J	DL
SW08-27	Aluminum-DISS	4.3	ug/L	SW846 6020	J	DL
SW08-27	Antimony	2	ug/L	SW846 6020	U	CB
SW08-27	Arsenic	0.47	ug/L	SW846 6020	J	DL
SW08-27	Nickel	0.69	ug/L	SW846 6020	J	DL
SW08-27	Selenium	0.79	ug/L	SW846 6020	J	DL
SW08-27	Thallium	1	ug/L	SW846 6020	U	CB
SW08-27	Vanadium	1	ug/L	SW846 6020	U	CB
SW08-27	Acetophenone	0.054	ug/L	SW846 8270C	J	DL
SW08-27	bis(2-Ethylhexyl) phthalate	2	ug/L	SW846 8270C	U	MB
SW08-27	Benzaldehyde	0.098	ug/L	SW846 8270C	J	BC, HC, DL
SW08-27	1,1'-Biphenyl	0.19	ug/L	SW846 8270C	J	DL
SW08-27	Butyl benzyl phthalate	0.4	ug/L	SW846 8270C	U	MB
SW08-27	Dibenzofuran	0.18	ug/L	SW846 8270C	U	MB
SW08-27	Di-n-butyl phthalate	0.36	ug/L	SW846 8270C	J	DL
SW08-27	Di-n-octyl phthalate	0.29	ug/L	SW846 8270C	J	DL
SW08-27	Phenanthrene	0.51	ug/L	SW846 8270C	U	MB
SW08-27	Phenol	0.18	ug/L	SW846 8270C	J	DL
SW08-27	Acetone	4.1	ug/L	SW846 8260B	J	HC, DL
SW08-27	Trichlorofluoromethane	1	ug/L	SW846 8260B	UJ	LC
SW08-27	Bromomethane	1	ug/L	SW846 8260B	UJ	LC
SW08-27	2-Butanone	1.1	ug/L	SW846 8260B	J	DL
SW08-27	Cyanide, Total	7.2	ug/L	SW846 9012A	J	DL
SW08-28	Non-Distilled Fluoride	0.09	mg/L	SM20 4500-F C	J	DL
SW08-28	Trichlorofluoromethane	1	ug/L	SW846 8260B	UJ	LC
SW08-28	Bromomethane	1	ug/L	SW846 8260B	UJ	LC
SW08-28	Chloroform	0.15	ug/L	SW846 8260B	J	DL
SW08-28	Dibenzofuran	0.17	ug/L	SW846 8270C	U	MB
SW08-28	Di-n-butyl phthalate	0.37	ug/L	SW846 8270C	J	DL
SW08-28	Antimony	2	ug/L	SW846 6020	U	CB
SW08-28	Lead	0.15	ug/L	SW846 6020	J	DL
SW08-28	Nickel	0.2	ug/L	SW846 6020	J	DL
SW08-28	Selenium	0.62	ug/L	SW846 6020	J	DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E080374

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SW08-28	Thallium	1	ug/L	SW846 6020	U	CB
SW08-28	Vanadium	1	ug/L	SW846 6020	U	CB
SW08-28	Cobalt	0.11	ug/L	SW846 6020	J	DL
SW08-28	Copper	1.2	ug/L	SW846 6020	J	DL
SW08-28	Ammonia Nitrogen	0.14	mg/L	MCAWW 350.1	U	MB
SW08-28	Acenaphthene	0.15	ug/L	SW846 8270C	J	DL
SW08-28	Di-n-octyl phthalate	0.26	ug/L	SW846 8270C	J	DL
SW08-28	Phenanthrene	0.25	ug/L	SW846 8270C	U	MB
SW08-28	Phenol	0.094	ug/L	SW846 8270C	J	DL
SW08-28	bis(2-Ethylhexyl) phthalate	0.44	ug/L	SW846 8270C	U	MB
SW08-28	Benzaldehyde	0.95	ug/L	SW846 8270C	UJ	BC
SW08-28	Butyl benzyl phthalate	0.53	ug/L	SW846 8270C	U	MB
SW08-28	Cobalt-DISS	0.14	ug/L	SW846 6020	J	DL
SW08-28	Aluminum-DISS	7.1	ug/L	SW846 6020	J	DL
SW08-28	Antimony-DISS	2	ug/L	SW846 6020	U	CB, MB
SW08-28	Arsenic-DISS	0.21	ug/L	SW846 6020	J	DL
SW08-28	Iron-DISS	22	ug/L	SW846 6020	J	DL
SW08-28	Lead-DISS	0.29	ug/L	SW846 6020	J	DL
SW08-28	Nickel-DISS	0.51	ug/L	SW846 6020	J	DL
SW08-28	Nitrite	0.05	mg/L	SW846 9056A	UJ	HT
SW08-29	Antimony-DISS	2	ug/L	SW846 6020	U	CB, MB
SW08-29	Iron-DISS	28.8	ug/L	SW846 6020	J	DL
SW08-29	Lead-DISS	0.14	ug/L	SW846 6020	J	DL
SW08-29	Nickel-DISS	0.37	ug/L	SW846 6020	J	DL
SW08-29	Selenium-DISS	0.41	ug/L	SW846 6020	J	DL
SW08-29	Vanadium-DISS	0.24	ug/L	SW846 6020	J	DL
SW08-29	Cobalt-DISS	0.1	ug/L	SW846 6020	J	DL
SW08-29	Copper-DISS	1.1	ug/L	SW846 6020	J	DL
SW08-29	Aluminum-DISS	3.7	ug/L	SW846 6020	J	DL
SW08-29	Nitrite	0.05	mg/L	SW846 9056A	UJ	HT
SW08-29	Phenanthrene	0.21	ug/L	SW846 8270C	U	MB
SW08-29	bis(2-Ethylhexyl) phthalate	1.4	ug/L	SW846 8270C	U	MB
SW08-29	Benzaldehyde	0.057	ug/L	SW846 8270C	J	BC, HC, DL
SW08-29	Butyl benzyl phthalate	0.29	ug/L	SW846 8270C	U	MB

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E080374

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SW08-29	Dibenzofuran	0.17	ug/L	SW846 8270C	U	MB
SW08-29	Lead	0.14	ug/L	SW846 6020	J	DL
SW08-29	Antimony	2	ug/L	SW846 6020	U	CB
SW08-29	Arsenic	0.24	ug/L	SW846 6020	J	DL
SW08-29	Nickel	0.32	ug/L	SW846 6020	J	DL
SW08-29	Selenium	0.41	ug/L	SW846 6020	J	DL
SW08-29	Cobalt	0.12	ug/L	SW846 6020	J	DL
SW08-29	Copper	1.2	ug/L	SW846 6020	J	DL
SW08-29	Trichlorofluoromethane	1	ug/L	SW846 8260B	UJ	LC
SW08-29	Bromomethane	1	ug/L	SW846 8260B	UJ	LC
SW08-29	Non-Distilled Fluoride	0.09	mg/L	SM20 4500-F C	J	DL
SD08-29	Acetone	19	ug/kg	SW846 8260B	J	HC, DL
SD08-29	Methylene chloride	12	ug/kg	SW846 8260B	U	TB
SD08-29	Dieldrin	2	ug/kg	SW846 8081A	UJ	LS
SD08-29	Endosulfan I	2	ug/kg	SW846 8081A	UJ	LS
SD08-29	Endosulfan II	2	ug/kg	SW846 8081A	UJ	LS
SD08-29	Endosulfan sulfate	2	ug/kg	SW846 8081A	UJ	LS
SD08-29	Endrin	2	ug/kg	SW846 8081A	UJ	LS
SD08-29	Endrin aldehyde	2	ug/kg	SW846 8081A	UJ	LS
SD08-29	Endrin ketone	0.87	ug/kg	SW846 8081A	U	SE
SD08-29	Heptachlor	2	ug/kg	SW846 8081A	UJ	LS
SD08-29	Heptachlor epoxide	2	ug/kg	SW846 8081A	UJ	LS
SD08-29	Methoxychlor	3.8	ug/kg	SW846 8081A	UJ	LS
SD08-29	alpha-BHC	2	ug/kg	SW846 8081A	UJ	LS
SD08-29	beta-BHC	2	ug/kg	SW846 8081A	UJ	LS
SD08-29	delta-BHC	0.5	ug/kg	SW846 8081A	U	SE
SD08-29	gamma-BHC (Lindane)	2	ug/kg	SW846 8081A	UJ	LS
SD08-29	Toxaphene	77	ug/kg	SW846 8081A	UJ	LS
SD08-29	alpha-Chlordane	2	ug/kg	SW846 8081A	UJ	LS
SD08-29	gamma-Chlordane	2	ug/kg	SW846 8081A	U	SE
SD08-29	Aldrin	0.32	ug/kg	SW846 8081A	U	SE
SD08-29	4,4'-DDD	0.81	ug/kg	SW846 8081A	U	SE
SD08-29	4,4'-DDE	2	ug/kg	SW846 8081A	UJ	LS
SD08-29	4,4'-DDT	2	ug/kg	SW846 8081A	UJ	LS

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E080374

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-29	Antimony	0.14	mg/kg	SW846 6020	J	DL
SD08-29	Selenium	0.37	mg/kg	SW846 6020	J	DL
SD08-29	Silver	0.05	mg/kg	SW846 6020	J	DL
SD08-29	Acenaphthene	36	ug/kg	SW846 8270C	J	DL
SD08-29	Di-n-octyl phthalate	190	ug/kg	SW846 8270C	UJ	BC
SD08-29	2,4-Dinitrophenol	980	ug/kg	SW846 8270C	UJ	BC
SD08-29	Fluorene	35	ug/kg	SW846 8270C	J	DL
SD08-29	2-Methylnaphthalene	14	ug/kg	SW846 8270C	J	DL
SD08-29	4-Methylphenol	18	ug/kg	SW846 8270C	J	DL
SD08-29	Naphthalene	16	ug/kg	SW846 8270C	J	DL
SD08-29	bis(2-Ethylhexyl) phthalate	120	ug/kg	SW846 8270C	J	DL
SD08-29	Benzaldehyde	43	ug/kg	SW846 8270C	J	BC, HC, DL
SD08-29	Butyl benzyl phthalate	20	ug/kg	SW846 8270C	J	DL
SD08-29	Dibenzofuran	21	ug/kg	SW846 8270C	J	DL
SD08-29	3,3'-Dichlorobenzidine	190	ug/kg	SW846 8270C	UJ	BC
SD08-29	Cyanide, Total	1.2	mg/kg	SW846 9012A	U	MB
SD08-28	Silver	0.089	mg/kg	SW846 6020	J	DL
SD08-28	Di-n-octyl phthalate	160	ug/kg	SW846 8270C	UJ	BC
SD08-28	2,4-Dinitrophenol	810	ug/kg	SW846 8270C	UJ	BC
SD08-28	4-Methylphenol	120	ug/kg	SW846 8270C	J	DL
SD08-28	N-Nitrosodiphenylamine	11	ug/kg	SW846 8270C	J	DL
SD08-28	bis(2-Ethylhexyl) phthalate	100	ug/kg	SW846 8270C	J	DL
SD08-28	Benzaldehyde	27	ug/kg	SW846 8270C	J	BC, HC, DL
SD08-28	1,1'-Biphenyl	9.1	ug/kg	SW846 8270C	J	DL
SD08-28	Butyl benzyl phthalate	21	ug/kg	SW846 8270C	J	DL
SD08-28	Dibenzofuran	76	ug/kg	SW846 8270C	J	DL
SD08-28	3,3'-Dichlorobenzidine	160	ug/kg	SW846 8270C	UJ	BC
SD08-28	Endrin ketone	1.1	ug/kg	SW846 8081A	U	SE
SD08-28	Heptachlor epoxide	8	ug/kg	SW846 8081A	U	SE
SD08-28	alpha-Chlordane	180	ug/kg	SW846 8081A	U	SE
SD08-28	gamma-Chlordane	190	ug/kg	SW846 8081A	U	SE
SD08-28	Aldrin	1.2	ug/kg	SW846 8081A	U	SE
SD08-28	Methylene chloride	8.7	ug/kg	SW846 8260B	U	TB
SD08-28	Cyanide, Total	0.39	mg/kg	SW846 9012A	J	DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
SDG C8E080374

Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-24	Cyanide, Total	6.3	mg/kg	SW846 9012A	U	MB
SD08-24	Endrin	11	ug/kg	SW846 8081A	U	SE
SD08-24	Heptachlor	15	ug/kg	SW846 8081A	U	SE
SD08-24	gamma-BHC (Lindane)	120	ug/kg	SW846 8081A	U	SE
SD08-24	alpha-Chlordane	5.6	ug/kg	SW846 8081A	U	SE
SD08-24	gamma-Chlordane	7.2	ug/kg	SW846 8081A	U	SE
SD08-24	4,4'-DDD	37	ug/kg	SW846 8081A	U	SE
SD08-24	Di-n-octyl phthalate	370	ug/kg	SW846 8270C	J	BC, HI
SD08-24	2,4-Dinitrophenol	1300	ug/kg	SW846 8270C	UJ	BC
SD08-24	Selenium	0.56	mg/kg	SW846 6020	J	DL
SD08-24	Silver	0.13	mg/kg	SW846 6020	J	DL
SD08-24	Thallium	0.14	mg/kg	SW846 6020	J	DL
SD08-24	Di-n-butyl phthalate	63	ug/kg	SW846 8270C	J	DL
SD08-24	3,3'-Dichlorobenzidine	260	ug/kg	SW846 8270C	UJ	BC
SD08-24	Acetophenone	51	ug/kg	SW846 8270C	J	DL
SD08-24	Benzaldehyde	150	ug/kg	SW846 8270C	J	BC, HC, DL
SD08-24	1,1'-Biphenyl	21	ug/kg	SW846 8270C	J	DL
SD08-24	Acetone	35	ug/kg	SW846 8260B	J	HC, DL
SD08-24	Methylene chloride	16	ug/kg	SW846 8260B	U	TB
SD08-24	Toluene	12	ug/kg	SW846 8260B	J	DL
SD08-27	Acenaphthene	23	ug/kg	SW846 8270C	J	DL
SD08-27	Di-n-octyl phthalate	160	ug/kg	SW846 8270C	UJ	BC
SD08-27	2,4-Dinitrophenol	830	ug/kg	SW846 8270C	UJ	BC
SD08-27	Fluorene	32	ug/kg	SW846 8270C	J	DL
SD08-27	4-Methylphenol	28	ug/kg	SW846 8270C	J	DL
SD08-27	Naphthalene	7.8	ug/kg	SW846 8270C	J	DL
SD08-27	delta-BHC	0.92	ug/kg	SW846 8081A	U	SE
SD08-27	gamma-BHC (Lindane)	2.5	ug/kg	SW846 8081A	U	SE
SD08-27	Benzaldehyde	160	ug/kg	SW846 8270C	UJ	BC
SD08-27	Dibenzofuran	14	ug/kg	SW846 8270C	J	DL
SD08-27	Di-n-butyl phthalate	28	ug/kg	SW846 8270C	J	DL
SD08-27	3,3'-Dichlorobenzidine	160	ug/kg	SW846 8270C	UJ	BC
SD08-27	Selenium	0.072	mg/kg	SW846 6020	J	DL
SD08-27	Thallium	0.028	mg/kg	SW846 6020	J	DL

TABLE 2
Data Validation Qualifiers
Koppers Pond
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Sample ID	Analyte	Result	Units	Analytical Method	Validation Qualifier	Reason Code
SD08-27	Mercury	0.017	mg/kg	SW846 7471A	J	DL
SD08-27	Aroclor 1260	8.2	ug/kg	SW846 8082	J	DL
SD08-27	Methylene chloride	6.1	ug/kg	SW846 8260B	U	TB
SD08-27	Cyanide, Total	0.61	mg/kg	SW846 9012A	U	MB

TABLE 2
Data Validation Qualifiers
Koppers Pond
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Reason Codes

BC - High initial calibration percent relative standard deviations
CB - Contaminated Blank
DL - Value was between method detection limit and reporting limit
HC - High continuing calibration verification result
HI - High Internal standard recovery
HT - Holding time exceedance
LC - Low continuing calibration verification result
LS - Low surrogate recovery
MB - Method blank contamination
SE - Large differences between the primary and secondary column results.
TB - Trip blank contamination

Validation Codes:

U -The U qualifier indicates that an analyte is considered nondetected at the concentration listed. U qualifiers added during validation are typically a result of detection of target analytes in blanks.

J - The J qualifier indicates that the associated result is quantitatively uncertain. J qualifiers added during validation may indicate a concentration between the method detection limit (MDL) and the reporting limit (RL), or a data limitation related to a QC element that exceeds required acceptance limits.

UJ - The UJ qualifier indicates the RL is estimated. UJ qualifiers added during validation may indicate either a high or low bias related to a QC element that exceeds required acceptance limits.

DATA VALIDATION REPORT

Koppers Pond

Prepared for
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January 17, 2011

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ACRONYMS AND ABBREVIATIONS

CCB	continuing calibration blank
COC	chain of custody
CCAL	continuing calibration
EDD	electronic data deliverable
EPA	U.S. Environmental Protection Agency
GC/MS	gas chromatograph/mass spectrometer
ICP-MS	inductively coupled plasma-mass spectrometry
ICAL	initial calibration
LCS	laboratory control sample
LCSD	laboratory control sample duplicate
MDL	method detection limit
MRL	method reporting limit
MS	matrix spike
MSD	matrix spike duplicate
PCB	polychlorinated biphenyl
QA/QC	quality assurance and quality control
QC	quality control
RPD	relative percent difference
SDG	sample delivery group
SVOC	semivolatile organic compound
TOC	total organic carbon

1 INTRODUCTION

This report presents the findings of the data validation of sediment and tissue samples and associated field quality control (QC) samples analyzed for conventional parameters, metals, semivolatile organic compounds (SVOCs), and polychlorinated biphenyl (PCB) Aroclors by TestAmerica. Sediments samples were analyzed at the Pittsburgh, PA laboratory and tissue samples were analyzed at the Burlington, VT laboratory. The sample delivery groups (SDG) reviewed are summarized in Table 1-1. The parameters and analytical methods are listed in Table 1-2. The samples received a Level IV (Stage 3/4) validation, which included a review of all laboratory summary forms of quality control and instrument performance data and recalculation of ten percent of the results. The data validation was based upon criteria described in the EPA's functional guidelines for inorganic and organic data review (USEPA 2004, 2008a), applicable EPA Region 2 Data Validation Guidelines (USEPA 2006a, 2006b, 2008b), and the referenced analytical methods.

The QA/QC parameters reviewed are listed in Table 1-3. All electronic data deliverables (EDD) were compared to the hardcopy data packages and 100 percent of the field sample results and 10 percent of the laboratory quality control sample results were verified. Qualifiers resulting from the validation process were entered into the project database. A reason code explaining the reason for qualification was also entered into the database. The definitions of the data qualifiers used are provided in Table 1-4 and a description of the reason codes used are provided in Table 1-5. For example, if a data point was estimated due to an inductively coupled plasma (ICP) serial dilution percent difference result the qualifier "J" and the reason code "ICPSD " would be entered into the database, indicated as J–ICPSD in the discussion of findings in Section 2.

2 FINDINGS

2.1 PARAMETERS REVIEWED

The quality assurance and quality control (QA/QC) parameters reviewed for each analytical parameter are discussed below and are listed in Table 1-3.

2.2 SAMPLE RECEIPT AND HOLDING TIMES

Samples were received in good condition and with complete chain of custody (COC) forms. Some samples were received at temperatures below the lower temperature control limit of 2 °C, at 0.1 °C, this temperature was determined to have no impact on the data and no qualifiers were assigned.

SDG C0J210496: All sediment samples had percent moisture content greater than 50 percent.

All SVOC, PCB Aroclor, and metals data were qualified as estimated (J/UJ–%Moi).

SDG C0K030562: All samples were received and processed outside of the holding time criteria for SVOCs, PCB Aroclors, total cyanide, and TOC analyses. All data were qualified as estimated (J/UJ–HT). In addition, all samples had percent moisture content greater than 50 percent. All SVOC, PCB Aroclor, and metals data were qualified as estimated (J/UJ–%Moi).

SDG 200-2079-1: All samples, except FF10-7, were reanalyzed outside of the holding time criteria for PCB Aroclors. All data for the re-analyses were qualified as estimated (J/UJ–HT).

2.3 BLANKS

Laboratory preparation blanks were performed with all analyses, except total solids. Continuing calibration blanks (CCB) were performed with all metals analyses. Target analytes were detected in several laboratory preparation blanks or CCBs at concentrations greater than the method detection limit (MDL), all blank concentrations were less than the method reporting limit (MRL). When an analyte was detected in a blank and in an associated sample, the result for the analyte was qualified as not detected if the sample result was less than the MRL. If the sample result was greater than the MRL, then no qualifier was assigned.

2.3.1 Cyanide

SDG C0K030562: Cyanide was detected in the method blank, but all sample results were non-detect for cyanide. No qualifiers were applied to the data. An equipment blank (EB10-20

reported in SDG C0J210496) was associated with these samples. No cyanide was detected in this blank.

2.3.2 Metals

SDG C0J210496: Selected analytes were detected in the method blank, initial calibration blank, and continuing calibration blanks. However, all analytical samples had analyte concentrations above the MRL. No qualifiers were applied to the data.

SDG C0K030562: Selected analytes were detected in the method blank, initial calibration blank, and continuing calibration blanks. Samples 20100836 RSD10-01 and 20100876 RSD10-01SV had concentrations of thallium and selenium between the MDL and the MRL; results were reported to the MRL and qualified as undetected (U–LB). Several metals were detected in the equipment blank associated with these samples (EB10-20, reported in SDG C0J210496), however all sample results were much higher than the blank results or were qualified as not detected based on laboratory blank contamination and no further qualification was necessary.

SDG 2009-2079-1: Two equipment blanks were submitted with this SDG, EQBLKPT and EQBLKFT. No metals were detected in either blank.

2.3.3 SVOCs

SDG C0K030562: Selected analytes were detected in the equipment blank (EB10-20, reported in SDG C0J210496). The concentrations of these analytes in associated field samples were and greater than the MRL. No qualifiers were applied to the data.

2.3.4 PCB Aroclors

SDG C0K030562: An equipment blank (EB10-20 reported in SDG C0J210496) was associated with these samples. No Aroclors were detected in this blank.

SDG 2009-2079-1: Two equipment blanks were submitted with this SDG, EQBLKPT and EQBLKFT. No Aroclors were detected in either blank.

2.4 SURROGATE COMPOUNDS

Surrogates were added to all samples analyzed for SVOCs and PCB Aroclors by methods 8270C and 8082, respectively. The surrogate compound recoveries for all samples were within the laboratory control limits, with the exceptions noted below.

2.4.1 SVOCs

SDG C0K030562: Because concentrations of target compounds detected and/or matrix, samples 20100836 SD10-01, 20100838 SD10-DUP, 20100841 SD10-03, and 20100842 SD10-04 were analyzed at 20 times dilutions, which caused the surrogates to be diluted. No qualifiers were assigned to the data on this basis.

2.4.2 PCB Aroclors

SDG C0K030562: Because concentrations of PCBs detected and/or matrix, the samples were analyzed at 10 times dilutions, which caused the surrogates to be diluted. An examination of the raw data indicated that the surrogates would have met QC limits without dilution; no qualifiers were applied to the data.

SDG 200-2079-1: The surrogate recovery of decachlorobiphenyl was below the control limit of 45 percent (at 44 percent) in the re-analysis of sample RFF10-03. Results in this sample were estimated (J/UJ–Surr).

2.5 MATRIX SPIKES/MATRIX SPIKE DUPLICATES

Matrix spikes/matrix spike duplicate (MS/MSD) analyses were performed for all cyanide, total organic carbon (TOC), metals, SVOC, and PCB Aroclor analytical batches. Percent recoveries and relative percent differences (RPDs) were generally within the laboratory control limits, with the exceptions noted below.

2.5.1 TOC

SDG C0K030562: The percent recoveries in the Batch QC MS/MSD were outside of the control limits of 75–125 percent, at 64 percent and 225 percent. All results were estimated (J/UJ–MS/MSD).

2.5.2 Cyanide

SDG C0J210496: Percent recoveries of cyanide were below the lower control limit of 75 percent in the MS/MSD performed on sample SD-18 (MS at 73 percent and MSD at 73 percent). All results were estimated (J/UJ–MS/MSD).

SDG C0K030562: The percent recovery in the Batch QC MS for cyanide was outside of the lower control limit of 75 percent, at 50 percent. The MS/MSD performed on sample 2010836 RSD10-01 met control limits. No qualifiers were applied to the data.

2.5.3 Metals

SDG C0J210496: The percent recovery of antimony was below the lower control limit of 70 percent in the MS performed on sample C0J140521-001 at 52 percent. Results for antimony were estimated (J/UJ–MS/MSD).

SDG C0K030562: Percent recovery of antimony was below the lower control limit of 70 percent in the MS performed on Batch QC sample C0K120411-001 at 51 percent. Results for antimony were estimated (J/UJ–MS/MSD).

SDG 200-2079-1: Percent recoveries of aluminum (220 percent), iron (248 percent), manganese (154 percent), sodium (136 percent), and zinc (189 percent) were above the upper control limit of 120 percent in the MS performed on sample RVG10-02. The EPA Region II validation criteria for sediments calls for the rejection of all results and non-detects when percent recoveries are greater than 200 percent. However, EPA Region II has not established criteria for tissues and because a greater natural variability is expected in a tissue matrix the results for aluminum and iron were estimated (J–MS/MSD) based on the validators best professional judgment. Results for manganese, sodium, and zinc were also estimated (J–MS/MSD). The percent recovery of potassium was below the lower control limit of 80 percent in this same MS, at -205 percent, however the concentration of potassium in the parent sample was greater than four times the amount spiked and the control limits do not apply.

The percent recoveries of calcium (–142 percent) and zinc (205 percent) were outside the control limits of 80 to 120 percent in the MS performed on sample RLB10-01. The EPA Region II validation criteria for sediments call for the rejection of all results and non-detects when percent recoveries are less than 10 percent or greater than 200 percent. However because there are no criteria for tissues, and as discussed above, results and non-detects for calcium were estimated (J/UJ–MS) and results for zinc were estimated (J–MS/MSD) based on the validators best professional judgment.

2.5.4 SVOCs

SDG C0J210496: Percent recoveries of pyrene, hexachloroethane, and naphthalene were outside of the control limits. However, the MS/MSD was analyzed on a batch QC sample, and the results are not applicable to the analytical sample results. No qualifiers were applied.

SDG C0K030562: The percent recoveries of most spiked compounds were less than the lower control limits in the MS performed on Sample 20100836 RSD10-01. Because the percent recoveries for these compounds were acceptable in the MSD, no qualifiers were assigned. The RPDs for all spiked compounds were greater than the control limit in this same MS/MSD. Of the spiked compounds only pyrene and butyl benzyl phthalate were detected in the parent sample and these results were estimated (J–Pc). Non-detects are not estimated for RPD outliers.

2.5.5 PCB Aroclors

SDG C0K030562: The MS/MSD performed on sample 20100837 SD10-01 was analyzed at a 10 times dilution and percent recoveries and RPDs were not reported. Examination the raw data showed percent recoveries and RPDs were outside of the control limits for Aroclors 1016 and 1260 compounds. However, no action is taken on MS/MSD data alone and because the recoveries in the LCS met the control limits, no qualifiers were applied to the data.

2.6 LABORATORY CONTROL SAMPLES (LCS)

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed at the appropriate frequency of one per analytical batch for all applicable parameters. The percent recoveries of all LCS were within the laboratory control limits. The RPDs of all LCS/LCSD (where applicable) were also within the laboratory control limits.

2.7 REPLICATES

Laboratory replicates were analyzed at the appropriate frequency of one per analytical batch for conventional (percent solids) and metals analyses and all RPDs met the laboratory control limits, with the exceptions noted below.

SDG C0K030562: One set of field replicates were submitted, samples SD10-01 and SD10-Dup. The EPA has not established control limits for field replicates. For this project the target control limit for field replicates for values greater than five times the MRL is an RPD less than 50 percent. For values less then five times the MRL, the absolute difference should be less than the MRL. These control limits were met for all analytes in the field replicate pair.

SDG 200-2079-1: The RPDs for aluminum (122 percent), iron (102 percent), lead (115 percent), manganese (43 percent), and potassium (53 percent) were above the control limit of 35 percent in the laboratory duplicate of sample RVG10-02. The USEPA Region II validation criteria for sediments call for the rejection of all results and non-detects when RPDs are greater than 120 percent, however EPA Region II has not established criteria for tissues and as a greater natural variability is expected in a tissue matrix the results aluminum, and the other outlying analytes were estimated (J–Pc) based on the validators best professional judgment.

The relative percent difference for calcium (163 percent) was above the control limit of 36 percent in the duplicate on sample RLB10-01; as discussed above results for calcium were estimated (J–Pc).

2.8 INTERFERENCE CHECK SAMPLE

The inductively coupled plasma-mass spectrometry (ICP-MS) instrument interference check samples were analyzed at the start of each metals analytical sequence. All analytes were within the control limits of ±20 percent of the true value or ± two times the MRL.

2.9 SERIAL DILUTION

A serial dilution was analyzed with each metals extraction batch. The percent differences met the control limits of less than 10 percent for analytes with concentrations greater than 50 times the MDL, with the exceptions noted below.

SDG 200-2079-1: The percent difference of magnesium (21 percent) in the serial dilution performed on sample RVG10-02 and the percent differences of calcium (11 percent), magnesium (20 percent), and sodium (11 percent) in the serial dilution performed on sampleRLB10-01 were greater than the control limit. Results for these analytes were estimated (J–ICPSD) in all samples.

Percent differences of 61 percent for barium and 52 percent for zinc were reported in the serial dilution performed on sample RVG10-02, however these analytes were not detected in either the sample or serial dilution and no qualifiers were assigned.

2.10 METHOD REPORTING LIMITS AND METHODOLOGY

Non-detected results were reported to the method reporting limits (MRL). The reported MRLs are consistent with the methodologies used and the intended uses of the data.

SDG C0J210496: All sediment samples were analyzed at a dilution for SVOCs because of the concentration of target compounds detected and/or matrix interference. Both detected and non-detected analytes were reported from these dilutions; reporting limits were elevated accordingly.

SDG C0K030562: All sediment samples were analyzed at a dilution for SVOCs, PCB Aroclors, and metals because of the concentration of target compounds detected and/or matrix interference. Both detected and non-detected analytes were reported from these dilutions. Reporting limits were elevated accordingly.

SDG 200-2079-1: All tissue samples were initially extracted for PCB Aroclors using a nominal 10 g amount with a final volume of 10 mL. From the initial 10 mL extract, 5 mL was concentrated down to 2 mL to achieve lower reporting limits and both sets of data were reported. The initial analyses were labeled do-not-report (DNR–Other) to indicate they should not be used.

The percent difference between analytical columns was greater than 25 percent for Aroclors 1254 and 1260 in sample FF10-7, the results for these analytes were estimated (J–Conf).

2.11 INSTRUMENT PERFORMANCE

The gas chromatograph/mass spectrometer (GC/MS) Instrument Performance Checks ("tune") were analyzed at the start of each 12 hour analytical shift for the SVOC analyses and the method specified acceptance criteria were met.

The ICP-MS Instrument Performance Checks ("tune") were analyzed at the start of each 12 hour analytical shift for the metals and mercury analyses and the method specified acceptance criteria were met.

2.12 INITIAL CALIBRATION

Initial calibrations (ICAL) were analyzed on all instruments and met the acceptance criteria stated in the EPA's functional guidelines for inorganic and organic data review (USEPA 2004, 2008a), and the applicable EPA Region 2 data validation guidelines (USEPA 2006a, 2006b, 2008b).

2.13 CONTINUING CALIBRATION

Continuing calibrations (CCAL) were analyzed at the appropriate frequency and met the acceptance criteria stated in the EPA's functional guidelines for organic and inorganic data review (USEPA 2004, 2008a), and the applicable EPA Region 2 data validation guidelines (USEPA 2006a, 2006b, 2008b), with the exceptions noted below.

2.13.1 SVOCs

SDG C0J210496: Several CCAL standards had compounds with a percent difference (%D) greater than the control limit of 25 percent. Benzaldehyde (25.3 percent) and hexachlorocyclopentadiene (25.8 percent) both had %D greater than 25 percent, indicative of a low bias. All results and non-detects were qualified as estimated (J/UJ–Cc).

2.13.2 Metals

SDG 200-2079-1: The continuing calibration verification (CCV) for analytical batch 9011 (200-9011/10) exceeded the upper control limit of 110 percent for potassium (114 percent), magnesium (112 percent), and sodium (114 percent); results for these analytes were estimated (J–Cc).

2.14 INTERNAL STANDARDS

Internal standards were added to all samples analyzed for SVOCs by method 8270C and metals by method 6020. The areas and retention times of all internal standards were all within the method specified control limits, with the exceptions noted below.

2.14.1 Metals

SDG 200-2079-1: The internal standard associated with arsenic and selenium was greater than the upper e control limits of 125 percent, at 138 percent, in sample VG10-01. Results were qualified as estimated (UJ–IS).

2.15 RECALCULATION CHECKS

Recalculation checks were performed for 10 percent of the target analytes in all ICALs, and in 10 percent of the CCALs, samples, LCS, and MS/MSD. Results were also checked for transcription checks. No calculation or transcription errors were noted.

2.16 COMPOUND IDENTIFICATION

The compound identification was reviewed for 10 percent of the samples analyzed for SVOCs and PCB Aroclors, no discrepancies were noted.

3 OVERALL ASSESSMENT

A total of 1,841 data points were reported. A total of 1,374 results (74.6 percent) were estimated (J/UJ), and five of these results were also qualified as not detected (U), the number of data points qualified are summarized by reason in Table 3-1. One hundred seventy one results were labeled do-not-report to indicate a more appropriate result exists. No data were rejected and completeness was 100 percent. A summary of all qualified results is presented in Table 3-2. Some results were qualified for multiple reasons so the sum of the qualifiers is greater than the number of qualified results.

The data meets the criteria set forth in the referenced quality assurance documents, with the exceptions noted above. Data that has been labeled do-not-report should not be used for any purpose. All other results are acceptable for their intended use as qualified.

4 REFERENCES

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USEPA. 2008b. USEPA Hazardous Waste Support Branch. Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry. SW-846 Method 8270D. SOP# HW-22, Revision #4, August 2008. Available online at: http://www.epa.gov/Region2/qa/documents.htm

TABLES

Table 1-1. SDG Reviewed and Number of Samples

SDG	Number of Samples
C0J210496	3 Sediments and 1 Equipment Blank
C0K030562	8 Sediments
200-2079-1	18 Tissues and 2 Equipment Blanks

SDG - sample delivery group

Table 1-2. Analytical Parameters and Methods

Analytical Parameter		Analytical Method
Conventionals	Cyanide, total	EPA SW846 9012A
	Percent Solids	SM20 2540G
	Total organic carbon (TOC)	EPA Lloyd Kahn
Metals[a]		EPA SW846 6020
Mercury		EPA SW846 7471A
PCB Aroclors		EPA SW846 8082
SVOCs		EPA SW846 8270C

[a] Metals include Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Mg, Mn, Na, K, Ni, Pb, Se, Tl, Sb, V, and Zn.

Table 1-3. QA/QC Parameters Reviewed

	Analytical Parameter					
QA/QC Parameter	Cyanide	Percent Solids	TOC	Metals & Mercury	SVOCs	PCB Aroclors
Sample Receipt & Holding Times	Q	D	Q	Q	Q	Q
Blanks	D	+	+	Q	D	D
Surrogate Compounds	NA	NA	NA	NA	D	D
MS/MSD	Q	NA	Q	Q	Q	D
LCS	+	NA	+	+	+	+
Replicates	+	+	+	Q	Q	+
Inteference Check Sample	NA	NA	NA	+	NA	NA
Serial Dilution	NA	NA	NA	Q	NA	NA
MRL & Methodology	+	+	+	D	Q	Q
Instrument Performance	NA	NA	NA	+	+	NA
Initial Calibration	+	+	NA	+	+	+
Continuing Calibration	+	+	NA	Q	Q	+
Internal Standards	NA	NA	NA	Q	+	NA
Recalculation Checks	+	+	+	+	+	+
Compound Identification	+	+	+	NA	+	+

Notes:

+ – All QA/QC criteria met
D – Data are discussed below. QA/QC criteria were not met; however no data were qualified.
LCS – laboratory control sample
MRL – method reporting limit
MS/MSD – matrix spike/matrix spike duplicate
Q – Data were qualified
QA/QC – quality assurance and quality control

Table 1-4. Definition of Data Qualifiers

Data Qualifier	Definition
J	Estimated. The analyte was detected and positively identified. The associated numerical value is an estimated value.
U	Not Detected. The analyte is considered to be not detected at the reported value.
UJ	Estimated and Not Detected. The analyte is considered to be not detected at the reported value and the associated numerical value is an estimated value.
DNR	Do not report.

Table 1-5. Definition of Data Validation Reason Codes

Reason Code	Definition
%Moi	Percent moisture
Cc	Calibration (continuing)
Conf	Compound confirmation
HT	Holding time
ICPSD	ICP serial dilution
IS	Internal standard
LB	Laboratory Blank
MS/MSD	Matrix spike recovery
Other	Other, see validation report
Pc	Precision (all replicates)
Surr	Surrogate

Table 3-1. Summary of Qualified Data Points by Reason

Data Qualification Reason	Number of Data Points Estimated	Number of Data Points Qualified Not Detected	Number of Data Points Labeled Do-Not-Report
Continuing calibration outlier	62		
Compound confirmation	2		
Holding time outlier	763		
ICP serial dilution percent difference	54		
Internal standard performance	2		
Lab blank contamination		5	
Matrix spike/matrix spike duplicate recovery	112		
Percent moisture	1042		
Replicate precision	77		
Surrogate spike/labeled compound recovery	9		
Other			171

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0J210496	SD10-31	SVOCs	1,1'-Biphenyl	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	1,1'-Biphenyl	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	1,1'-Biphenyl	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	2,2'-oxybis(1-Chloropropane)	35	35	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	2,2'-oxybis(1-Chloropropane)	45	45	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	2,2'-oxybis(1-Chloropropane)	40	40	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	2,4,5-Trichlorophenol	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	2,4,5-Trichlorophenol	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	2,4,5-Trichlorophenol	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	2,4,6-Trichlorophenol	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	2,4,6-Trichlorophenol	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	2,4,6-Trichlorophenol	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	2,4-Dichlorophenol	35	35	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	2,4-Dichlorophenol	45	45	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	2,4-Dichlorophenol	40	40	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	2,4-Dimethylphenol	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	2,4-Dimethylphenol	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	2,4-Dimethylphenol	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	2,4-Dinitrophenol	890	890	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	2,4-Dinitrophenol	1100	1100	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	2,4-Dinitrophenol	1000	1000	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	2,4-Dinitrotoluene	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	2,4-Dinitrotoluene	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	2,4-Dinitrotoluene	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	2,6-Dinitrotoluene	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	2,6-Dinitrotoluene	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	2,6-Dinitrotoluene	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	2-Chloronaphthalene	35	35	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	2-Chloronaphthalene	45	45	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	2-Chloronaphthalene	40	40	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	2-Chlorophenol	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	2-Chlorophenol	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	2-Chlorophenol	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	2-Methylnaphthalene	35	35	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	2-Methylnaphthalene	45	45	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	2-Methylnaphthalene	16	40	J	J	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	2-Methylphenol	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	2-Methylphenol	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	2-Methylphenol	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	2-Nitroaniline	890	890	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	2-Nitroaniline	1100	1100	U	UJ	%Moi	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0J210496	SD10-33	SVOCs	2-Nitroaniline	1000	1000	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	2-Nitrophenol	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	2-Nitrophenol	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	2-Nitrophenol	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	3,3'-Dichlorobenzidine	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	3,3'-Dichlorobenzidine	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	3,3'-Dichlorobenzidine	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	3-Nitroaniline	890	890	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	3-Nitroaniline	1100	1100	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	3-Nitroaniline	1000	1000	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	4,6-Dinitro-2-methylphenol	890	890	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	4,6-Dinitro-2-methylphenol	1100	1100	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	4,6-Dinitro-2-methylphenol	1000	1000	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	4-Bromophenyl phenyl ether	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	4-Bromophenyl phenyl ether	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	4-Bromophenyl phenyl ether	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	4-Chloro-3-methylphenol	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	4-Chloro-3-methylphenol	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	4-Chloro-3-methylphenol	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	4-Chloroaniline	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	4-Chloroaniline	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	4-Chloroaniline	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	4-Chlorophenyl phenyl ether	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	4-Chlorophenyl phenyl ether	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	4-Chlorophenyl phenyl ether	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	4-Methylphenol	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	4-Methylphenol	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	4-Methylphenol	26	200	J	J	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	4-Nitroaniline	890	890	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	4-Nitroaniline	1100	1100	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	4-Nitroaniline	1000	1000	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	4-Nitrophenol	890	890	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	4-Nitrophenol	1100	1100	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	4-Nitrophenol	1000	1000	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Acenaphthene	35	35	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Acenaphthene	45	45	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Acenaphthene	89	40		J	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Acenaphthylene	12	35	J	J	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Acenaphthylene	37	45	J	J	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Acenaphthylene	600	40		J	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Acetophenone	170	170	U	UJ	%Moi	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0J210496	SD10-32	SVOCs	Acetophenone	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Acetophenone	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	Metals	Aluminum	13500	2.5		J	%Moi	mg/kg
C0J210496	SD10-32	Metals	Aluminum	12300	3.9		J	%Moi	mg/kg
C0J210496	SD10-33	Metals	Aluminum	10700	3.7		J	%Moi	mg/kg
C0J210496	SD10-31	SVOCs	Anthracene	12	35	J	J	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Anthracene	32	45	J	J	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Anthracene	530	40		J	%Moi	µg/kg
C0J210496	EB10-20	Metals	Antimony	0.016	0.096	B J	J	MS/MSD	mg/kg
C0J210496	SD10-31	Metals	Antimony	0.99	0.17	J	J	MS/MSD	mg/kg
C0J210496	SD10-32	Metals	Antimony	0.94	0.26	J	J	MS/MSD	mg/kg
C0J210496	SD10-33	Metals	Antimony	1.2	0.25	J	J	MS/MSD	mg/kg
C0J210496	SD10-31	PCBs	Aroclor 1016	18	18	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	PCBs	Aroclor 1016	22	22	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	PCBs	Aroclor 1016	20	20	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	PCBs	Aroclor 1221	18	18	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	PCBs	Aroclor 1221	22	22	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	PCBs	Aroclor 1221	20	20	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	PCBs	Aroclor 1232	18	18	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	PCBs	Aroclor 1232	22	22	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	PCBs	Aroclor 1232	20	20	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	PCBs	Aroclor 1242	18	18	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	PCBs	Aroclor 1242	22	22	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	PCBs	Aroclor 1242	20	20	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	PCBs	Aroclor 1248	18	18	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	PCBs	Aroclor 1248	22	22	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	PCBs	Aroclor 1248	20	20	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	PCBs	Aroclor 1254	18	18	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	PCBs	Aroclor 1254	22	22	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	PCBs	Aroclor 1254	20	20	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	PCBs	Aroclor 1260	20	18		J	%Moi	µg/kg
C0J210496	SD10-32	PCBs	Aroclor 1260	27	22		J	%Moi	µg/kg
C0J210496	SD10-33	PCBs	Aroclor 1260	20	20		J	%Moi	µg/kg
C0J210496	SD10-31	Metals	Arsenic	1.7	0.084		J	%Moi	mg/kg
C0J210496	SD10-32	Metals	Arsenic	2.2	0.13		J	%Moi	mg/kg
C0J210496	SD10-33	Metals	Arsenic	3.1	0.12		J	%Moi	mg/kg
C0J210496	SD10-31	SVOCs	Atrazine	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Atrazine	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Atrazine	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	Metals	Barium	294	0.84		J	%Moi	mg/kg
C0J210496	SD10-32	Metals	Barium	234	1.3		J	%Moi	mg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0J210496	SD10-33	Metals	Barium	204	1.2		J	%Moi	mg/kg
C0J210496	EB10-20	SVOCs	Benzaldehyde	8.1	16	J	J	Cc	µg/kg
C0J210496	SD10-31	SVOCs	Benzaldehyde	90	170	J	J	Cc,%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Benzaldehyde	110	220	J	J	Cc,%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Benzaldehyde	100	200	J	J	Cc,%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Benzo(a)anthracene	42	35		J	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Benzo(a)anthracene	100	45		J	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Benzo(a)anthracene	1600	40		J	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Benzo(a)pyrene	58	35		J	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Benzo(a)pyrene	120	45		J	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Benzo(a)pyrene	1500	40		J	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Benzo(b)fluoranthene	95	35		J	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Benzo(b)fluoranthene	220	45		J	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Benzo(b)fluoranthene	2600	40		J	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Benzo(ghi)perylene	63	35		J	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Benzo(ghi)perylene	98	45		J	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Benzo(ghi)perylene	1100	40		J	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Benzo(k)fluoranthene	35	35	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Benzo(k)fluoranthene	45	45	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Benzo(k)fluoranthene	40	40	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	Metals	Beryllium	0.73	0.084		J	%Moi	mg/kg
C0J210496	SD10-32	Metals	Beryllium	0.68	0.13		J	%Moi	mg/kg
C0J210496	SD10-33	Metals	Beryllium	0.57	0.12		J	%Moi	mg/kg
C0J210496	SD10-31	SVOCs	bis(2-Chloroethoxy)methane	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	bis(2-Chloroethoxy)methane	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	bis(2-Chloroethoxy)methane	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	bis(2-Chloroethyl) ether	35	35	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	bis(2-Chloroethyl) ether	45	45	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	bis(2-Chloroethyl) ether	40	40	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	bis(2-Ethylhexyl) phthalate	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	bis(2-Ethylhexyl) phthalate	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	bis(2-Ethylhexyl) phthalate	50	200	J	J	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Butyl benzyl phthalate	24	170	J	J	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Butyl benzyl phthalate	31	220	J	J	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Butyl benzyl phthalate	37	200	J	J	%Moi	µg/kg
C0J210496	SD10-31	Metals	Cadmium	3.4	0.084		J	%Moi	mg/kg
C0J210496	SD10-32	Metals	Cadmium	4.2	0.13		J	%Moi	mg/kg
C0J210496	SD10-33	Metals	Cadmium	5.1	0.12		J	%Moi	mg/kg
C0J210496	SD10-31	Metals	Calcium	7470	8.4		J	%Moi	mg/kg
C0J210496	SD10-32	Metals	Calcium	9500	12.9		J	%Moi	mg/kg
C0J210496	SD10-33	Metals	Calcium	11800	12.4		J	%Moi	mg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0J210496	SD10-31	SVOCs	Caprolactam	890	890	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Caprolactam	1100	1100	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Caprolactam	1000	1000	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Carbazole	9.2	35	J	J	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Carbazole	45	45	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Carbazole	240	40		J	%Moi	µg/kg
C0J210496	SD10-31	Metals	Chromium	41.6	0.17		J	%Moi	mg/kg
C0J210496	SD10-32	Metals	Chromium	42.2	0.26		J	%Moi	mg/kg
C0J210496	SD10-33	Metals	Chromium	51.2	0.25		J	%Moi	mg/kg
C0J210496	SD10-31	SVOCs	Chrysene	73	35		J	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Chrysene	150	45		J	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Chrysene	2000	40		J	%Moi	µg/kg
C0J210496	SD10-31	Metals	Cobalt	7.4	0.042		J	%Moi	mg/kg
C0J210496	SD10-32	Metals	Cobalt	7.2	0.065		J	%Moi	mg/kg
C0J210496	SD10-33	Metals	Cobalt	7.3	0.062		J	%Moi	mg/kg
C0J210496	SD10-31	Metals	Copper	35.1	0.17		J	%Moi	mg/kg
C0J210496	SD10-32	Metals	Copper	41.8	0.26		J	%Moi	mg/kg
C0J210496	SD10-33	Metals	Copper	46.8	0.25		J	%Moi	mg/kg
C0J210496	EB10-20	Conventionals	Cyanide, Total	0.5	0.5	U	UJ	MS/MSD	mg/kg
C0J210496	SD10-31	Conventionals	Cyanide, Total	1	1	U	UJ	MS/MSD	mg/kg
C0J210496	SD10-32	Conventionals	Cyanide, Total	1.3	1.3	U	UJ	MS/MSD	mg/kg
C0J210496	SD10-33	Conventionals	Cyanide, Total	1.2	1.2	U	UJ	MS/MSD	mg/kg
C0J210496	SD10-31	SVOCs	Dibenz(a,h)anthracene	35	35	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Dibenz(a,h)anthracene	19	45	J	J	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Dibenz(a,h)anthracene	340	40		J	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Dibenzofuran	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Dibenzofuran	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Dibenzofuran	36	200	J	J	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Diethyl phthalate	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Diethyl phthalate	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Diethyl phthalate	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Dimethyl phthalate	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Dimethyl phthalate	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Dimethyl phthalate	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Di-n-butyl phthalate	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Di-n-butyl phthalate	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Di-n-butyl phthalate	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Di-n-octyl phthalate	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Di-n-octyl phthalate	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Di-n-octyl phthalate	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Fluoranthene	110	35		J	%Moi	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0J210496	SD10-32	SVOCs	Fluoranthene	230	45		J	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Fluoranthene	5200	40		J	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Fluorene	35	35	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Fluorene	45	45	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Fluorene	120	40		J	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Hexachlorobenzene	35	35	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Hexachlorobenzene	45	45	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Hexachlorobenzene	40	40	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Hexachlorobutadiene	35	35	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Hexachlorobutadiene	45	45	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Hexachlorobutadiene	40	40	U	UJ	%Moi	µg/kg
C0J210496	EB10-20	SVOCs	Hexachlorocyclopentadiene	16	16	U	UJ	Cc	µg/kg
C0J210496	SD10-31	SVOCs	Hexachlorocyclopentadiene	170	170	U	UJ	Cc,%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Hexachlorocyclopentadiene	220	220	U	UJ	Cc,%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Hexachlorocyclopentadiene	200	200	U	UJ	Cc,%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Hexachloroethane	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Hexachloroethane	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Hexachloroethane	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Indeno(1,2,3-cd)pyrene	47	35		J	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Indeno(1,2,3-cd)pyrene	83	45		J	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Indeno(1,2,3-cd)pyrene	950	40		J	%Moi	µg/kg
C0J210496	SD10-31	Metals	Iron	18100	4.2	J	J	%Moi	mg/kg
C0J210496	SD10-32	Metals	Iron	17200	6.5	J	J	%Moi	mg/kg
C0J210496	SD10-33	Metals	Iron	17600	6.2	J	J	%Moi	mg/kg
C0J210496	SD10-31	SVOCs	Isophorone	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Isophorone	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Isophorone	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	Metals	Lead	114	0.084		J	%Moi	mg/kg
C0J210496	SD10-32	Metals	Lead	126	0.13		J	%Moi	mg/kg
C0J210496	SD10-33	Metals	Lead	157	0.12		J	%Moi	mg/kg
C0J210496	SD10-31	Metals	Magnesium	3410	8.4		J	%Moi	mg/kg
C0J210496	SD10-32	Metals	Magnesium	3100	12.9		J	%Moi	mg/kg
C0J210496	SD10-33	Metals	Magnesium	3240	12.4		J	%Moi	mg/kg
C0J210496	SD10-31	Metals	Manganese	107	0.042		J	%Moi	mg/kg
C0J210496	SD10-32	Metals	Manganese	98.5	0.065		J	%Moi	mg/kg
C0J210496	SD10-33	Metals	Manganese	118	0.062		J	%Moi	mg/kg
C0J210496	SD10-31	Metals	Mercury	0.1	0.035		J	%Moi	mg/kg
C0J210496	SD10-32	Metals	Mercury	0.099	0.044		J	%Moi	mg/kg
C0J210496	SD10-33	Metals	Mercury	0.1	0.04		J	%Moi	mg/kg
C0J210496	SD10-31	SVOCs	Naphthalene	35	35	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Naphthalene	45	45	U	UJ	%Moi	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0J210496	SD10-33	SVOCs	Naphthalene	21	40	J	J	%Moi	µg/kg
C0J210496	SD10-31	Metals	Nickel	35.4	0.084		J	%Moi	mg/kg
C0J210496	SD10-32	Metals	Nickel	34.7	0.13		J	%Moi	mg/kg
C0J210496	SD10-33	Metals	Nickel	40.1	0.12		J	%Moi	mg/kg
C0J210496	SD10-31	SVOCs	Nitrobenzene	35	35	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Nitrobenzene	45	45	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Nitrobenzene	40	40	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	N-Nitrosodi-n-propylamine	35	35	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	N-Nitrosodi-n-propylamine	45	45	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	N-Nitrosodi-n-propylamine	40	40	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	N-Nitrosodiphenylamine	35	35	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	N-Nitrosodiphenylamine	45	45	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	N-Nitrosodiphenylamine	40	40	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Pentachlorophenol	170	170	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Pentachlorophenol	220	220	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Pentachlorophenol	200	200	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Phenanthrene	39	35		J	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Phenanthrene	73	45		J	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Phenanthrene	1400	40		J	%Moi	µg/kg
C0J210496	SD10-31	SVOCs	Phenol	35	35	U	UJ	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Phenol	45	45	U	UJ	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Phenol	40	40	U	UJ	%Moi	µg/kg
C0J210496	SD10-31	Metals	Potassium	1320	8.4	J	J	%Moi	mg/kg
C0J210496	SD10-32	Metals	Potassium	1050	12.9	J	J	%Moi	mg/kg
C0J210496	SD10-33	Metals	Potassium	1040	12.4	J	J	%Moi	mg/kg
C0J210496	SD10-31	SVOCs	Pyrene	72	35		J	%Moi	µg/kg
C0J210496	SD10-32	SVOCs	Pyrene	170	45		J	%Moi	µg/kg
C0J210496	SD10-33	SVOCs	Pyrene	2900	40		J	%Moi	µg/kg
C0J210496	SD10-31	Metals	Selenium	1.1	0.42		J	%Moi	mg/kg
C0J210496	SD10-32	Metals	Selenium	0.98	0.65		J	%Moi	mg/kg
C0J210496	SD10-33	Metals	Selenium	1.2	0.62		J	%Moi	mg/kg
C0J210496	SD10-31	Metals	Silver	1.3	0.084		J	%Moi	mg/kg
C0J210496	SD10-32	Metals	Silver	1.5	0.13		J	%Moi	mg/kg
C0J210496	SD10-33	Metals	Silver	2	0.12		J	%Moi	mg/kg
C0J210496	SD10-31	Metals	Sodium	293	8.4		J	%Moi	mg/kg
C0J210496	SD10-32	Metals	Sodium	333	12.9		J	%Moi	mg/kg
C0J210496	SD10-33	Metals	Sodium	295	12.4		J	%Moi	mg/kg
C0J210496	SD10-31	Metals	Thallium	0.19	0.084	J	J	%Moi	mg/kg
C0J210496	SD10-32	Metals	Thallium	0.21	0.13	J	J	%Moi	mg/kg
C0J210496	SD10-33	Metals	Thallium	0.15	0.12	J	J	%Moi	mg/kg
C0J210496	SD10-31	Metals	Vanadium	17.8	0.084		J	%Moi	mg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0J210496	SD10-32	Metals	Vanadium	18	0.13		J	%Moi	mg/kg
C0J210496	SD10-33	Metals	Vanadium	15.8	0.12		J	%Moi	mg/kg
C0J210496	SD10-31	Metals	Zinc	202	0.42		J	%Moi	mg/kg
C0J210496	SD10-32	Metals	Zinc	227	0.65		J	%Moi	mg/kg
C0J210496	SD10-33	Metals	Zinc	263	0.62		J	%Moi	mg/kg
C0K030562	20100836 RSD10-01	SVOCs	1,1'-Biphenyl	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	1,1'-Biphenyl	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	1,1'-Biphenyl	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	1,1'-Biphenyl	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	1,1'-Biphenyl	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	1,1'-Biphenyl	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	1,1'-Biphenyl	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	1,1'-Biphenyl	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	2,2'-oxybis(1-Chloropropane)	270	270	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	2,2'-oxybis(1-Chloropropane)	310	310	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	2,2'-oxybis(1-Chloropropane)	300	300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	2,2'-oxybis(1-Chloropropane)	52	52	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	2,2'-oxybis(1-Chloropropane)	60	60	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	2,2'-oxybis(1-Chloropropane)	250	250	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	2,2'-oxybis(1-Chloropropane)	220	220	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	2,2'-oxybis(1-Chloropropane)	140	140	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	2,4,5-Trichlorophenol	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	2,4,5-Trichlorophenol	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	2,4,5-Trichlorophenol	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	2,4,5-Trichlorophenol	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	2,4,5-Trichlorophenol	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	2,4,5-Trichlorophenol	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	2,4,5-Trichlorophenol	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	2,4,5-Trichlorophenol	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	2,4,6-Trichlorophenol	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	2,4,6-Trichlorophenol	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	2,4,6-Trichlorophenol	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	2,4,6-Trichlorophenol	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	2,4,6-Trichlorophenol	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	2,4,6-Trichlorophenol	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	2,4,6-Trichlorophenol	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	2,4,6-Trichlorophenol	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	2,4-Dichlorophenol	270	270	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	2,4-Dichlorophenol	310	310	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	2,4-Dichlorophenol	300	300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	2,4-Dichlorophenol	52	52	U	UJ	HT,%Moi	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0K030562	20100840 SD10-08	SVOCs	2,4-Dichlorophenol	60	60	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	2,4-Dichlorophenol	250	250	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	2,4-Dichlorophenol	220	220	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	2,4-Dichlorophenol	140	140	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	2,4-Dimethylphenol	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	2,4-Dimethylphenol	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	2,4-Dimethylphenol	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	2,4-Dimethylphenol	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	2,4-Dimethylphenol	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	2,4-Dimethylphenol	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	2,4-Dimethylphenol	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	2,4-Dimethylphenol	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	2,4-Dinitrophenol	6700	6700	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	2,4-Dinitrophenol	7800	7800	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	2,4-Dinitrophenol	7700	7700	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	2,4-Dinitrophenol	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	2,4-Dinitrophenol	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	2,4-Dinitrophenol	6200	6200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	2,4-Dinitrophenol	5700	5700	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	2,4-Dinitrophenol	3600	3600	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	2,4-Dinitrotoluene	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	2,4-Dinitrotoluene	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	2,4-Dinitrotoluene	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	2,4-Dinitrotoluene	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	2,4-Dinitrotoluene	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	2,4-Dinitrotoluene	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	2,4-Dinitrotoluene	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	2,4-Dinitrotoluene	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	2,6-Dinitrotoluene	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	2,6-Dinitrotoluene	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	2,6-Dinitrotoluene	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	2,6-Dinitrotoluene	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	2,6-Dinitrotoluene	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	2,6-Dinitrotoluene	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	2,6-Dinitrotoluene	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	2,6-Dinitrotoluene	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	2-Chloronaphthalene	270	270	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	2-Chloronaphthalene	310	310	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	2-Chloronaphthalene	300	300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	2-Chloronaphthalene	52	52	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	2-Chloronaphthalene	60	60	U	UJ	HT,%Moi	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0K030562	20100841 SD10-03	SVOCs	2-Chloronaphthalene	250	250	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	2-Chloronaphthalene	220	220	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	2-Chloronaphthalene	140	140	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	2-Chlorophenol	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	2-Chlorophenol	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	2-Chlorophenol	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	2-Chlorophenol	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	2-Chlorophenol	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	2-Chlorophenol	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	2-Chlorophenol	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	2-Chlorophenol	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	2-Methylnaphthalene	270	270	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	2-Methylnaphthalene	310	310	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	2-Methylnaphthalene	300	300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	2-Methylnaphthalene	52	52	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	2-Methylnaphthalene	60	60	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	2-Methylnaphthalene	250	250	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	2-Methylnaphthalene	220	220	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	2-Methylnaphthalene	140	140	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	2-Methylphenol	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	2-Methylphenol	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	2-Methylphenol	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	2-Methylphenol	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	2-Methylphenol	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	2-Methylphenol	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	2-Methylphenol	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	2-Methylphenol	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	2-Nitroaniline	6700	6700	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	2-Nitroaniline	7800	7800	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	2-Nitroaniline	7700	7700	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	2-Nitroaniline	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	2-Nitroaniline	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	2-Nitroaniline	6200	6200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	2-Nitroaniline	5700	5700	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	2-Nitroaniline	3600	3600	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	2-Nitrophenol	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	2-Nitrophenol	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	2-Nitrophenol	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	2-Nitrophenol	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	2-Nitrophenol	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	2-Nitrophenol	1200	1200	U	UJ	HT,%Moi	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0K030562	20100842 SD10-04	SVOCs	2-Nitrophenol	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	2-Nitrophenol	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	3,3'-Dichlorobenzidine	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	3,3'-Dichlorobenzidine	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	3,3'-Dichlorobenzidine	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	3,3'-Dichlorobenzidine	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	3,3'-Dichlorobenzidine	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	3,3'-Dichlorobenzidine	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	3,3'-Dichlorobenzidine	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	3,3'-Dichlorobenzidine	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	3-Nitroaniline	6700	6700	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	3-Nitroaniline	7800	7800	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	3-Nitroaniline	7700	7700	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	3-Nitroaniline	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	3-Nitroaniline	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	3-Nitroaniline	6200	6200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	3-Nitroaniline	5700	5700	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	3-Nitroaniline	3600	3600	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	4,6-Dinitro-2-methylphenol	6700	6700	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	4,6-Dinitro-2-methylphenol	7800	7800	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	4,6-Dinitro-2-methylphenol	7700	7700	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	4,6-Dinitro-2-methylphenol	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	4,6-Dinitro-2-methylphenol	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	4,6-Dinitro-2-methylphenol	6200	6200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	4,6-Dinitro-2-methylphenol	5700	5700	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	4,6-Dinitro-2-methylphenol	3600	3600	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	4-Bromophenyl phenyl ether	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	4-Bromophenyl phenyl ether	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	4-Bromophenyl phenyl ether	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	4-Bromophenyl phenyl ether	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	4-Bromophenyl phenyl ether	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	4-Bromophenyl phenyl ether	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	4-Bromophenyl phenyl ether	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	4-Bromophenyl phenyl ether	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	4-Chloro-3-methylphenol	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	4-Chloro-3-methylphenol	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	4-Chloro-3-methylphenol	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	4-Chloro-3-methylphenol	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	4-Chloro-3-methylphenol	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	4-Chloro-3-methylphenol	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	4-Chloro-3-methylphenol	1100	1100	U	UJ	HT,%Moi	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0K030562	20100876 RSD10-01SV	SVOCs	4-Chloro-3-methylphenol	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	4-Chloroaniline	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	4-Chloroaniline	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	4-Chloroaniline	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	4-Chloroaniline	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	4-Chloroaniline	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	4-Chloroaniline	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	4-Chloroaniline	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	4-Chloroaniline	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	4-Chlorophenyl phenyl ether	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	4-Chlorophenyl phenyl ether	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	4-Chlorophenyl phenyl ether	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	4-Chlorophenyl phenyl ether	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	4-Chlorophenyl phenyl ether	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	4-Chlorophenyl phenyl ether	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	4-Chlorophenyl phenyl ether	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	4-Chlorophenyl phenyl ether	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	4-Methylphenol	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	4-Methylphenol	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	4-Methylphenol	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	4-Methylphenol	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	4-Methylphenol	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	4-Methylphenol	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	4-Methylphenol	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	4-Methylphenol	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	4-Nitroaniline	6700	6700	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	4-Nitroaniline	7800	7800	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	4-Nitroaniline	7700	7700	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	4-Nitroaniline	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	4-Nitroaniline	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	4-Nitroaniline	6200	6200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	4-Nitroaniline	5700	5700	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	4-Nitroaniline	3600	3600	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	4-Nitrophenol	6700	6700	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	4-Nitrophenol	7800	7800	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	4-Nitrophenol	7700	7700	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	4-Nitrophenol	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	4-Nitrophenol	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	4-Nitrophenol	6200	6200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	4-Nitrophenol	5700	5700	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	4-Nitrophenol	3600	3600	U	UJ	HT,%Moi	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0K030562	20100836 RSD10-01	SVOCs	Acenaphthene	270	270	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Acenaphthene	36	310	J	J	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Acenaphthene	53	300	J	J	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Acenaphthene	15	52	J	J	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Acenaphthene	17	60	J	J	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Acenaphthene	67	250	J	J	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Acenaphthene	28	220	J	J	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Acenaphthene	140	140	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Acenaphthylene	270	270	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Acenaphthylene	310	310	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Acenaphthylene	300	300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Acenaphthylene	18	52	J	J	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Acenaphthylene	20	60	J	J	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Acenaphthylene	98	250	J	J	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Acenaphthylene	220	220	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Acenaphthylene	140	140	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Acetophenone	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Acetophenone	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Acetophenone	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Acetophenone	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Acetophenone	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Acetophenone	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Acetophenone	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Acetophenone	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	Metals	Aluminum	5490	11.9		J	%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Aluminum	12300	5.6		J	%Moi	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Aluminum	11000	6		J	%Moi	mg/kg
C0K030562	20100839 SD10-06	Metals	Aluminum	13500	4		J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Aluminum	8920	5.2		J	%Moi	mg/kg
C0K030562	20100841 SD10-03	Metals	Aluminum	10000	4.6		J	%Moi	mg/kg
C0K030562	20100842 SD10-04	Metals	Aluminum	9380	4.9		J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Aluminum	5620	10.6		J	%Moi	mg/kg
C0K030562	20100836 RSD10-01	SVOCs	Anthracene	270	270	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Anthracene	130	310	J	J	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Anthracene	150	300	J	J	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Anthracene	31	52	J	J	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Anthracene	41	60	J	J	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Anthracene	200	250	J	J	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Anthracene	89	220	J	J	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Anthracene	14	140	J	J	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	Metals	Antimony	0.79	0.79	B	UJ	LB,%Moi,MS/MSD	mg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0K030562	20100837 SD10-01	Metals	Antimony	3.2	0.37		J	%Moi,MS/MSD	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Antimony	2.9	0.4		J	%Moi,MS/MSD	mg/kg
C0K030562	20100839 SD10-06	Metals	Antimony	0.41	0.27		J	%Moi,MS/MSD	mg/kg
C0K030562	20100840 SD10-08	Metals	Antimony	0.96	0.35		J	%Moi,MS/MSD	mg/kg
C0K030562	20100841 SD10-03	Metals	Antimony	1.7	0.31		J	%Moi,MS/MSD	mg/kg
C0K030562	20100842 SD10-04	Metals	Antimony	1.4	0.33		J	%Moi,MS/MSD	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Antimony	0.71	0.71	B	UJ	LB,%Moi,MS/MSD	mg/kg
C0K030562	20100836 RSD10-01	PCBs	Aroclor 1016	660	660	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	PCBs	Aroclor 1016	380	380	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	PCBs	Aroclor 1016	380	380	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	PCBs	Aroclor 1016	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	PCBs	Aroclor 1016	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	PCBs	Aroclor 1016	310	310	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	PCBs	Aroclor 1016	280	280	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	PCBs	Aroclor 1016	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	PCBs	Aroclor 1221	660	660	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	PCBs	Aroclor 1221	380	380	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	PCBs	Aroclor 1221	380	380	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	PCBs	Aroclor 1221	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	PCBs	Aroclor 1221	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	PCBs	Aroclor 1221	310	310	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	PCBs	Aroclor 1221	280	280	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	PCBs	Aroclor 1221	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	PCBs	Aroclor 1232	660	660	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	PCBs	Aroclor 1232	380	380	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	PCBs	Aroclor 1232	380	380	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	PCBs	Aroclor 1232	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	PCBs	Aroclor 1232	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	PCBs	Aroclor 1232	310	310	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	PCBs	Aroclor 1232	280	280	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	PCBs	Aroclor 1232	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	PCBs	Aroclor 1242	660	660	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	PCBs	Aroclor 1242	380	380	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	PCBs	Aroclor 1242	380	380	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	PCBs	Aroclor 1242	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	PCBs	Aroclor 1242	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	PCBs	Aroclor 1242	310	310	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	PCBs	Aroclor 1242	280	280	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	PCBs	Aroclor 1242	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	PCBs	Aroclor 1248	660	660	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	PCBs	Aroclor 1248	380	380	U	UJ	HT,%Moi	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0K030562	20100838 SD10-DUP	PCBs	Aroclor 1248	380	380	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	PCBs	Aroclor 1248	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	PCBs	Aroclor 1248	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	PCBs	Aroclor 1248	310	310	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	PCBs	Aroclor 1248	280	280	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	PCBs	Aroclor 1248	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	PCBs	Aroclor 1254	660	660	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	PCBs	Aroclor 1254	700	380		J	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	PCBs	Aroclor 1254	800	380		J	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	PCBs	Aroclor 1254	260	260		J	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	PCBs	Aroclor 1254	520	290		J	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	PCBs	Aroclor 1254	480	310		J	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	PCBs	Aroclor 1254	550	280		J	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	PCBs	Aroclor 1254	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	PCBs	Aroclor 1260	660	660	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	PCBs	Aroclor 1260	380	380	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	PCBs	Aroclor 1260	380	380	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	PCBs	Aroclor 1260	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	PCBs	Aroclor 1260	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	PCBs	Aroclor 1260	310	310	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	PCBs	Aroclor 1260	280	280	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	PCBs	Aroclor 1260	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	Metals	Arsenic	12.8	0.4		J	%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Arsenic	3.4	0.19		J	%Moi	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Arsenic	3	0.2		J	%Moi	mg/kg
C0K030562	20100839 SD10-06	Metals	Arsenic	2.7	0.13		J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Arsenic	2.1	0.17		J	%Moi	mg/kg
C0K030562	20100841 SD10-03	Metals	Arsenic	3.1	0.15		J	%Moi	mg/kg
C0K030562	20100842 SD10-04	Metals	Arsenic	2.8	0.16		J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Arsenic	15.2	0.35		J	%Moi	mg/kg
C0K030562	20100836 RSD10-01	SVOCs	Atrazine	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Atrazine	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Atrazine	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Atrazine	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Atrazine	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Atrazine	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Atrazine	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Atrazine	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	Metals	Barium	259	4		J	%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Barium	376	1.9		J	%Moi	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Barium	350	2		J	%Moi	mg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0K030562	20100839 SD10-06	Metals	Barium	365	1.3		J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Barium	412	1.7		J	%Moi	mg/kg
C0K030562	20100841 SD10-03	Metals	Barium	402	1.5		J	%Moi	mg/kg
C0K030562	20100842 SD10-04	Metals	Barium	425	1.6		J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Barium	324	3.5		J	%Moi	mg/kg
C0K030562	20100836 RSD10-01	SVOCs	Benzaldehyde	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Benzaldehyde	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Benzaldehyde	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Benzaldehyde	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Benzaldehyde	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Benzaldehyde	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Benzaldehyde	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Benzaldehyde	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Benzo(a)anthracene	63	270	J	J	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Benzo(a)anthracene	590	310		J	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Benzo(a)anthracene	670	300		J	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Benzo(a)anthracene	140	52		J	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Benzo(a)anthracene	190	60		J	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Benzo(a)anthracene	970	250		J	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Benzo(a)anthracene	470	220		J	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Benzo(a)anthracene	68	140	J	J	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Benzo(a)pyrene	600	270		J	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Benzo(a)pyrene	1400	310		J	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Benzo(a)pyrene	1500	300		J	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Benzo(a)pyrene	300	52		J	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Benzo(a)pyrene	380	60		J	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Benzo(a)pyrene	1700	250		J	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Benzo(a)pyrene	1100	220		J	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Benzo(a)pyrene	380	140		J	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Benzo(b)fluoranthene	110	270	J	J	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Benzo(b)fluoranthene	1000	310		J	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Benzo(b)fluoranthene	1600	300		J	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Benzo(b)fluoranthene	250	52		J	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Benzo(b)fluoranthene	350	60		J	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Benzo(b)fluoranthene	1700	250		J	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Benzo(b)fluoranthene	990	220		J	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Benzo(b)fluoranthene	92	140	J	J	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Benzo(ghi)perylene	61	270	J	J	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Benzo(ghi)perylene	930	310		J	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Benzo(ghi)perylene	1200	300		J	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Benzo(ghi)perylene	260	52		J	HT,%Moi	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0K030562	20100840 SD10-08	SVOCs	Benzo(ghi)perylene	340	60		J	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Benzo(ghi)perylene	1400	250		J	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Benzo(ghi)perylene	890	220		J	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Benzo(ghi)perylene	99	140	J	J	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Benzo(k)fluoranthene	270	270	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Benzo(k)fluoranthene	780	310		J	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Benzo(k)fluoranthene	470	300		J	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Benzo(k)fluoranthene	120	52		J	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Benzo(k)fluoranthene	140	60		J	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Benzo(k)fluoranthene	600	250		J	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Benzo(k)fluoranthene	300	220		J	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Benzo(k)fluoranthene	79	140	J	J	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	Metals	Beryllium	0.27	0.4	B	J	%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Beryllium	0.52	0.19		J	%Moi	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Beryllium	0.46	0.2		J	%Moi	mg/kg
C0K030562	20100839 SD10-06	Metals	Beryllium	0.7	0.13		J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Beryllium	0.38	0.17		J	%Moi	mg/kg
C0K030562	20100841 SD10-03	Metals	Beryllium	0.43	0.15		J	%Moi	mg/kg
C0K030562	20100842 SD10-04	Metals	Beryllium	0.42	0.16		J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Beryllium	0.34	0.35	B	J	%Moi	mg/kg
C0K030562	20100836 RSD10-01	SVOCs	bis(2-Chloroethoxy)methane	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	bis(2-Chloroethoxy)methane	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	bis(2-Chloroethoxy)methane	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	bis(2-Chloroethoxy)methane	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	bis(2-Chloroethoxy)methane	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	bis(2-Chloroethoxy)methane	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	bis(2-Chloroethoxy)methane	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	bis(2-Chloroethoxy)methane	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	bis(2-Chloroethyl) ether	270	270	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	bis(2-Chloroethyl) ether	310	310	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	bis(2-Chloroethyl) ether	300	300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	bis(2-Chloroethyl) ether	52	52	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	bis(2-Chloroethyl) ether	60	60	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	bis(2-Chloroethyl) ether	250	250	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	bis(2-Chloroethyl) ether	220	220	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	bis(2-Chloroethyl) ether	140	140	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	bis(2-Ethylhexyl) phthalate	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	bis(2-Ethylhexyl) phthalate	790	1500	J	J	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	bis(2-Ethylhexyl) phthalate	960	1500	J	J	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	bis(2-Ethylhexyl) phthalate	200	260	J	J	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	bis(2-Ethylhexyl) phthalate	350	290		J	HT,%Moi	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0K030562	20100841 SD10-03	SVOCs	bis(2-Ethylhexyl) phthalate	1300	1200		J	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	bis(2-Ethylhexyl) phthalate	800	1100	J	J	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	bis(2-Ethylhexyl) phthalate	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Butyl benzyl phthalate	1300	1300	U	UJ	HT,%Moi,Pc	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Butyl benzyl phthalate	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Butyl benzyl phthalate	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Butyl benzyl phthalate	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Butyl benzyl phthalate	46	290	J	J	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Butyl benzyl phthalate	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Butyl benzyl phthalate	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Butyl benzyl phthalate	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	Metals	Cadmium	0.42	0.4		J	%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Cadmium	283	0.19		J	%Moi	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Cadmium	253	0.2		J	%Moi	mg/kg
C0K030562	20100839 SD10-06	Metals	Cadmium	115	0.13		J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Cadmium	292	0.17		J	%Moi	mg/kg
C0K030562	20100841 SD10-03	Metals	Cadmium	323	0.15		J	%Moi	mg/kg
C0K030562	20100842 SD10-04	Metals	Cadmium	367	0.16		J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Cadmium	0.63	0.35		J	%Moi	mg/kg
C0K030562	20100836 RSD10-01	Metals	Calcium	71800	39.6		J	%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Calcium	137000	18.6		J	%Moi	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Calcium	127000	20		J	%Moi	mg/kg
C0K030562	20100839 SD10-06	Metals	Calcium	81200	13.5		J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Calcium	188000	17.4		J	%Moi	mg/kg
C0K030562	20100841 SD10-03	Metals	Calcium	164000	15.4		J	%Moi	mg/kg
C0K030562	20100842 SD10-04	Metals	Calcium	185000	16.3		J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Calcium	90500	35.4		J	%Moi	mg/kg
C0K030562	20100836 RSD10-01	SVOCs	Caprolactam	6700	6700	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Caprolactam	7800	7800	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Caprolactam	7700	7700	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Caprolactam	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Caprolactam	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Caprolactam	6200	6200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Caprolactam	5700	5700	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Caprolactam	3600	3600	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Carbazole	270	270	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Carbazole	97	310	J	J	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Carbazole	120	300	J	J	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Carbazole	26	52	J	J	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Carbazole	33	60	J	J	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Carbazole	160	250	J	J	HT,%Moi	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0K030562	20100842 SD10-04	SVOCs	Carbazole	78	220	J	J	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Carbazole	140	140	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	Metals	Chromium	8.9	0.79	J	J	%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Chromium	370	0.37	J	J	%Moi	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Chromium	333	0.4	J	J	%Moi	mg/kg
C0K030562	20100839 SD10-06	Metals	Chromium	151	0.27	J	J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Chromium	232	0.35	J	J	%Moi	mg/kg
C0K030562	20100841 SD10-03	Metals	Chromium	357	0.31	J	J	%Moi	mg/kg
C0K030562	20100842 SD10-04	Metals	Chromium	320	0.33	J	J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Chromium	18.9	0.71	J	J	%Moi	mg/kg
C0K030562	20100836 RSD10-01	SVOCs	Chrysene	64	270	J	J	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Chrysene	1000	310		J	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Chrysene	1100	300		J	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Chrysene	230	52		J	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Chrysene	290	60		J	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Chrysene	1400	250		J	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Chrysene	770	220		J	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Chrysene	86	140	J	J	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	Metals	Cobalt	4	0.2		J	%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Cobalt	11.3	0.093		J	%Moi	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Cobalt	10.2	0.1		J	%Moi	mg/kg
C0K030562	20100839 SD10-06	Metals	Cobalt	8.7	0.067		J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Cobalt	9.2	0.087		J	%Moi	mg/kg
C0K030562	20100841 SD10-03	Metals	Cobalt	8.6	0.077		J	%Moi	mg/kg
C0K030562	20100842 SD10-04	Metals	Cobalt	9.5	0.081		J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Cobalt	4.4	0.18		J	%Moi	mg/kg
C0K030562	20100836 RSD10-01	Metals	Copper	16.1	0.79		J	%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Copper	467	0.37		J	%Moi	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Copper	426	0.4		J	%Moi	mg/kg
C0K030562	20100839 SD10-06	Metals	Copper	185	0.27		J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Copper	370	0.35		J	%Moi	mg/kg
C0K030562	20100841 SD10-03	Metals	Copper	476	0.31		J	%Moi	mg/kg
C0K030562	20100842 SD10-04	Metals	Copper	495	0.33		J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Copper	18.3	0.71		J	%Moi	mg/kg
C0K030562	20100836 RSD10-01	Conventionals	Cyanide, Total	4	4	U	UJ	HT	mg/kg
C0K030562	20100837 SD10-01	Conventionals	Cyanide, Total	2.3	2.3	U	UJ	HT	mg/kg
C0K030562	20100838 SD10-DUP	Conventionals	Cyanide, Total	2.3	2.3	U	UJ	HT	mg/kg
C0K030562	20100839 SD10-06	Conventionals	Cyanide, Total	1.6	1.6	U	UJ	HT	mg/kg
C0K030562	20100840 SD10-08	Conventionals	Cyanide, Total	1.8	1.8	U	UJ	HT	mg/kg
C0K030562	20100841 SD10-03	Conventionals	Cyanide, Total	1.8	1.8	U	UJ	HT	mg/kg
C0K030562	20100842 SD10-04	Conventionals	Cyanide, Total	1.7	1.7	U	UJ	HT	mg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0K030562	20100876 RSD10-01SV	Conventionals	Cyanide, Total	4.3	4.3	U	UJ	HT	mg/kg
C0K030562	20100836 RSD10-01	SVOCs	Dibenz(a,h)anthracene	270	270	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Dibenz(a,h)anthracene	310	310	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Dibenz(a,h)anthracene	300	300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Dibenz(a,h)anthracene	170	52		J	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Dibenz(a,h)anthracene	190	60		J	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Dibenz(a,h)anthracene	880	250		J	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Dibenz(a,h)anthracene	690	220		J	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Dibenz(a,h)anthracene	140	140	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Dibenzofuran	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Dibenzofuran	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Dibenzofuran	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Dibenzofuran	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Dibenzofuran	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Dibenzofuran	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Dibenzofuran	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Dibenzofuran	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Diethyl phthalate	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Diethyl phthalate	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Diethyl phthalate	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Diethyl phthalate	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Diethyl phthalate	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Diethyl phthalate	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Diethyl phthalate	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Diethyl phthalate	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Dimethyl phthalate	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Dimethyl phthalate	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Dimethyl phthalate	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Dimethyl phthalate	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Dimethyl phthalate	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Dimethyl phthalate	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Dimethyl phthalate	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Dimethyl phthalate	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Di-n-butyl phthalate	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Di-n-butyl phthalate	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Di-n-butyl phthalate	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Di-n-butyl phthalate	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Di-n-butyl phthalate	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Di-n-butyl phthalate	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Di-n-butyl phthalate	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Di-n-butyl phthalate	710	710	U	UJ	HT,%Moi	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0K030562	20100836 RSD10-01	SVOCs	Di-n-octyl phthalate	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Di-n-octyl phthalate	1700	1500		J	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Di-n-octyl phthalate	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Di-n-octyl phthalate	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Di-n-octyl phthalate	360	290		J	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Di-n-octyl phthalate	1500	1200		J	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Di-n-octyl phthalate	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Di-n-octyl phthalate	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Fluoranthene	95	270	J	J	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Fluoranthene	1600	310		J	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Fluoranthene	1900	300		J	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Fluoranthene	370	52		J	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Fluoranthene	510	60		J	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Fluoranthene	2600	250		J	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Fluoranthene	1300	220		J	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Fluoranthene	110	140	J	J	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Fluorene	270	270	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Fluorene	310	310	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Fluorene	300	300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Fluorene	15	52	J	J	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Fluorene	19	60	J	J	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Fluorene	64	250	J	J	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Fluorene	220	220	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Fluorene	140	140	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Hexachlorobenzene	270	270	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Hexachlorobenzene	310	310	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Hexachlorobenzene	300	300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Hexachlorobenzene	52	52	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Hexachlorobenzene	60	60	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Hexachlorobenzene	250	250	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Hexachlorobenzene	220	220	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Hexachlorobenzene	140	140	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Hexachlorobutadiene	270	270	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Hexachlorobutadiene	310	310	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Hexachlorobutadiene	300	300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Hexachlorobutadiene	52	52	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Hexachlorobutadiene	60	60	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Hexachlorobutadiene	250	250	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Hexachlorobutadiene	220	220	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Hexachlorobutadiene	140	140	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Hexachlorocyclopentadiene	1300	1300	U	UJ	HT,%Moi	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0K030562	20100837 SD10-01	SVOCs	Hexachlorocyclopentadiene	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Hexachlorocyclopentadiene	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Hexachlorocyclopentadiene	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Hexachlorocyclopentadiene	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Hexachlorocyclopentadiene	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Hexachlorocyclopentadiene	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Hexachlorocyclopentadiene	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Hexachloroethane	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Hexachloroethane	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Hexachloroethane	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Hexachloroethane	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Hexachloroethane	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Hexachloroethane	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Hexachloroethane	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Hexachloroethane	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Indeno(1,2,3-cd)pyrene	600	270		J	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Indeno(1,2,3-cd)pyrene	1300	310		J	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Indeno(1,2,3-cd)pyrene	1400	300		J	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Indeno(1,2,3-cd)pyrene	250	52		J	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Indeno(1,2,3-cd)pyrene	320	60		J	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Indeno(1,2,3-cd)pyrene	1500	250		J	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Indeno(1,2,3-cd)pyrene	980	220		J	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Indeno(1,2,3-cd)pyrene	370	140		J	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	Metals	Iron	14400	19.8		J	%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Iron	16700	9.3		J	%Moi	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Iron	15000	10		J	%Moi	mg/kg
C0K030562	20100839 SD10-06	Metals	Iron	15400	6.7		J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Iron	12800	8.7		J	%Moi	mg/kg
C0K030562	20100841 SD10-03	Metals	Iron	13000	7.7		J	%Moi	mg/kg
C0K030562	20100842 SD10-04	Metals	Iron	13000	8.1		J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Iron	16300	17.7		J	%Moi	mg/kg
C0K030562	20100836 RSD10-01	SVOCs	Isophorone	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Isophorone	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Isophorone	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Isophorone	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Isophorone	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Isophorone	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Isophorone	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Isophorone	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	Metals	Lead	42	0.4		J	%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Lead	1030	0.19		J	%Moi	mg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0K030562	20100838 SD10-DUP	Metals	Lead	934	0.2		J	%Moi	mg/kg
C0K030562	20100839 SD10-06	Metals	Lead	339	0.13		J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Lead	654	0.17		J	%Moi	mg/kg
C0K030562	20100841 SD10-03	Metals	Lead	1270	0.15		J	%Moi	mg/kg
C0K030562	20100842 SD10-04	Metals	Lead	989	0.16		J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Lead	50.8	0.35		J	%Moi	mg/kg
C0K030562	20100836 RSD10-01	Metals	Magnesium	3630	39.6	J	J	%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Magnesium	5380	18.6	J	J	%Moi	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Magnesium	4890	20	J	J	%Moi	mg/kg
C0K030562	20100839 SD10-06	Metals	Magnesium	3610	13.5	J	J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Magnesium	4140	17.4	J	J	%Moi	mg/kg
C0K030562	20100841 SD10-03	Metals	Magnesium	4700	15.4	J	J	%Moi	mg/kg
C0K030562	20100842 SD10-04	Metals	Magnesium	4580	16.3	J	J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Magnesium	3990	35.4	J	J	%Moi	mg/kg
C0K030562	20100836 RSD10-01	Metals	Manganese	179	0.2		J	%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Manganese	128	0.093		J	%Moi	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Manganese	116	0.1		J	%Moi	mg/kg
C0K030562	20100839 SD10-06	Metals	Manganese	94.2	0.067		J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Manganese	102	0.087		J	%Moi	mg/kg
C0K030562	20100841 SD10-03	Metals	Manganese	106	0.077		J	%Moi	mg/kg
C0K030562	20100842 SD10-04	Metals	Manganese	110	0.081		J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Manganese	204	0.18		J	%Moi	mg/kg
C0K030562	20100836 RSD10-01	Metals	Mercury	0.12	0.13		J	%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Mercury	0.85	0.077		J	%Moi	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Mercury	0.77	0.075		J	%Moi	mg/kg
C0K030562	20100839 SD10-06	Metals	Mercury	0.35	0.052		J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Mercury	0.62	0.06		J	%Moi	mg/kg
C0K030562	20100841 SD10-03	Metals	Mercury	0.87	0.061		J	%Moi	mg/kg
C0K030562	20100842 SD10-04	Metals	Mercury	0.82	0.056		J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Mercury	0.16	0.14		J	%Moi	mg/kg
C0K030562	20100836 RSD10-01	SVOCs	Naphthalene	270	270	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Naphthalene	310	310	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Naphthalene	300	300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Naphthalene	52	52	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Naphthalene	60	60	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Naphthalene	250	250	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Naphthalene	220	220	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Naphthalene	140	140	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	Metals	Nickel	10.7	0.4		J	%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Nickel	121	0.19		J	%Moi	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Nickel	110	0.2		J	%Moi	mg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0K030562	20100839 SD10-06	Metals	Nickel	75.4	0.13		J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Nickel	99.1	0.17		J	%Moi	mg/kg
C0K030562	20100841 SD10-03	Metals	Nickel	89.8	0.15		J	%Moi	mg/kg
C0K030562	20100842 SD10-04	Metals	Nickel	107	0.16		J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Nickel	17.7	0.35		J	%Moi	mg/kg
C0K030562	20100836 RSD10-01	SVOCs	Nitrobenzene	270	270	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Nitrobenzene	310	310	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Nitrobenzene	300	300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Nitrobenzene	52	52	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Nitrobenzene	60	60	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Nitrobenzene	250	250	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Nitrobenzene	220	220	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Nitrobenzene	140	140	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	N-Nitrosodi-n-propylamine	270	270	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	N-Nitrosodi-n-propylamine	310	310	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	N-Nitrosodi-n-propylamine	300	300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	N-Nitrosodi-n-propylamine	52	52	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	N-Nitrosodi-n-propylamine	60	60	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	N-Nitrosodi-n-propylamine	250	250	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	N-Nitrosodi-n-propylamine	220	220	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	N-Nitrosodi-n-propylamine	140	140	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	N-Nitrosodiphenylamine	270	270	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	N-Nitrosodiphenylamine	310	310	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	N-Nitrosodiphenylamine	300	300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	N-Nitrosodiphenylamine	52	52	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	N-Nitrosodiphenylamine	60	60	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	N-Nitrosodiphenylamine	250	250	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	N-Nitrosodiphenylamine	220	220	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	N-Nitrosodiphenylamine	140	140	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Pentachlorophenol	1300	1300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Pentachlorophenol	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Pentachlorophenol	1500	1500	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Pentachlorophenol	260	260	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Pentachlorophenol	290	290	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Pentachlorophenol	1200	1200	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Pentachlorophenol	1100	1100	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Pentachlorophenol	710	710	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Phenanthrene	51	270	J	J	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Phenanthrene	560	310		J	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Phenanthrene	620	300		J	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Phenanthrene	160	52		J	HT,%Moi	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0K030562	20100840 SD10-08	SVOCs	Phenanthrene	180	60		J	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Phenanthrene	880	250		J	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Phenanthrene	410	220		J	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Phenanthrene	56	140	J	J	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	SVOCs	Phenol	270	270	U	UJ	HT,%Moi	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Phenol	310	310	U	UJ	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Phenol	300	300	U	UJ	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Phenol	52	52	U	UJ	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Phenol	60	60	U	UJ	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Phenol	250	250	U	UJ	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Phenol	220	220	U	UJ	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Phenol	140	140	U	UJ	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	Metals	Potassium	653	39.6		J	%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Potassium	1700	18.6		J	%Moi	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Potassium	1480	20		J	%Moi	mg/kg
C0K030562	20100839 SD10-06	Metals	Potassium	1090	13.5		J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Potassium	952	17.4		J	%Moi	mg/kg
C0K030562	20100841 SD10-03	Metals	Potassium	1440	15.4		J	%Moi	mg/kg
C0K030562	20100842 SD10-04	Metals	Potassium	1270	16.3		J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Potassium	629	35.4		J	%Moi	mg/kg
C0K030562	20100836 RSD10-01	SVOCs	Pyrene	72	270	J	J	HT,%Moi,Pc	µg/kg
C0K030562	20100837 SD10-01	SVOCs	Pyrene	1200	310		J	HT,%Moi	µg/kg
C0K030562	20100838 SD10-DUP	SVOCs	Pyrene	1400	300		J	HT,%Moi	µg/kg
C0K030562	20100839 SD10-06	SVOCs	Pyrene	270	52		J	HT,%Moi	µg/kg
C0K030562	20100840 SD10-08	SVOCs	Pyrene	360	60		J	HT,%Moi	µg/kg
C0K030562	20100841 SD10-03	SVOCs	Pyrene	1800	250		J	HT,%Moi	µg/kg
C0K030562	20100842 SD10-04	SVOCs	Pyrene	920	220		J	HT,%Moi	µg/kg
C0K030562	20100876 RSD10-01SV	SVOCs	Pyrene	87	140	J	J	HT,%Moi	µg/kg
C0K030562	20100836 RSD10-01	Metals	Selenium	2	2	B	UJ	LB,%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Selenium	2.3	0.93		J	%Moi	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Selenium	2	1		J	%Moi	mg/kg
C0K030562	20100839 SD10-06	Metals	Selenium	1.6	0.67		J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Selenium	1.7	0.87		J	%Moi	mg/kg
C0K030562	20100841 SD10-03	Metals	Selenium	2	0.77		J	%Moi	mg/kg
C0K030562	20100842 SD10-04	Metals	Selenium	1.9	0.81		J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Selenium	2	1.8		J	%Moi	mg/kg
C0K030562	20100836 RSD10-01	Metals	Silver	0.059	0.4	B	J	%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Silver	28.7	0.19		J	%Moi	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Silver	25.8	0.2		J	%Moi	mg/kg
C0K030562	20100839 SD10-06	Metals	Silver	9.4	0.13		J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Silver	20.8	0.17		J	%Moi	mg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0K030562	20100841 SD10-03	Metals	Silver	32	0.15		J	%Moi	mg/kg
C0K030562	20100842 SD10-04	Metals	Silver	29.3	0.16		J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Silver	0.071	0.35	B	J	%Moi	mg/kg
C0K030562	20100836 RSD10-01	Metals	Sodium	663	39.6		J	%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Sodium	629	18.6		J	%Moi	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Sodium	594	20		J	%Moi	mg/kg
C0K030562	20100839 SD10-06	Metals	Sodium	442	13.5		J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Sodium	541	17.4		J	%Moi	mg/kg
C0K030562	20100841 SD10-03	Metals	Sodium	536	15.4		J	%Moi	mg/kg
C0K030562	20100842 SD10-04	Metals	Sodium	506	16.3		J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Sodium	660	35.4		J	%Moi	mg/kg
C0K030562	20100836 RSD10-01	Metals	Thallium	0.4	0.4	B	UJ	LB,%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Thallium	0.44	0.19		J	%Moi	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Thallium	0.39	0.2		J	%Moi	mg/kg
C0K030562	20100839 SD10-06	Metals	Thallium	0.36	0.13		J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Thallium	0.39	0.17		J	%Moi	mg/kg
C0K030562	20100841 SD10-03	Metals	Thallium	0.44	0.15		J	%Moi	mg/kg
C0K030562	20100842 SD10-04	Metals	Thallium	0.42	0.16		J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Thallium	0.35	0.35	B	UJ	LB,%Moi	mg/kg
C0K030562	20100836 RSD10-01	Conventionals	TOC	83300	7400		J	HT,MS/MSD	mg/kg
C0K030562	20100837 SD10-01	Conventionals	TOC	81100	4740		J	HT,MS/MSD	mg/kg
C0K030562	20100838 SD10-DUP	Conventionals	TOC	77800	4300		J	HT,MS/MSD	mg/kg
C0K030562	20100839 SD10-06	Conventionals	TOC	95500	2860		J	HT,MS/MSD	mg/kg
C0K030562	20100840 SD10-08	Conventionals	TOC	55200	3420		J	HT,MS/MSD	mg/kg
C0K030562	20100841 SD10-03	Conventionals	TOC	86500	3430		J	HT,MS/MSD	mg/kg
C0K030562	20100842 SD10-04	Conventionals	TOC	54600	3450		J	HT,MS/MSD	mg/kg
C0K030562	20100876 RSD10-01SV	Conventionals	TOC	202000	8900		J	HT,MS/MSD	mg/kg
C0K030562	20100836 RSD10-01	Metals	Vanadium	10.5	0.4		J	%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Vanadium	25	0.19		J	%Moi	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Vanadium	21.4	0.2		J	%Moi	mg/kg
C0K030562	20100839 SD10-06	Metals	Vanadium	18.4	0.13		J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Vanadium	12.6	0.17		J	%Moi	mg/kg
C0K030562	20100841 SD10-03	Metals	Vanadium	16.5	0.15		J	%Moi	mg/kg
C0K030562	20100842 SD10-04	Metals	Vanadium	18.2	0.16		J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Vanadium	11	0.35		J	%Moi	mg/kg
C0K030562	20100836 RSD10-01	Metals	Zinc	60.2	2		J	%Moi	mg/kg
C0K030562	20100837 SD10-01	Metals	Zinc	5020	9.3		J	%Moi	mg/kg
C0K030562	20100838 SD10-DUP	Metals	Zinc	4390	1		J	%Moi	mg/kg
C0K030562	20100839 SD10-06	Metals	Zinc	1950	0.67		J	%Moi	mg/kg
C0K030562	20100840 SD10-08	Metals	Zinc	4860	8.7		J	%Moi	mg/kg
C0K030562	20100841 SD10-03	Metals	Zinc	5920	7.7		J	%Moi	mg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
C0K030562	20100842 SD10-04	Metals	Zinc	6380	8.1		J	%Moi	mg/kg
C0K030562	20100876 RSD10-01SV	Metals	Zinc	72.4	1.8		J	%Moi	mg/kg
200-2079-1	RFF10-02	PCBs	PCB-1016	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-02	PCBs	PCB-1221	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-02	PCBs	PCB-1232	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-02	PCBs	PCB-1242	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-02	PCBs	PCB-1248	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-02	PCBs	PCB-1254	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-02	PCBs	PCB-1260	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-02	PCBs	PCB-1262	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-02	PCBs	PCB-1268	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-02RE	PCBs	PCB-1016	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-02RE	PCBs	PCB-1221	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-02RE	PCBs	PCB-1232	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-02RE	PCBs	PCB-1242	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-02RE	PCBs	PCB-1248	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-02RE	PCBs	PCB-1254	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-02RE	PCBs	PCB-1260	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-02RE	PCBs	PCB-1262	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-02RE	PCBs	PCB-1268	20	20	U	UJ	HT	µg/kg
200-2079-1	RBC10-05	PCBs	PCB-1016	50	50	U	DNR	Other	µg/kg
200-2079-1	RBC10-05	PCBs	PCB-1221	50	50	U	DNR	Other	µg/kg
200-2079-1	RBC10-05	PCBs	PCB-1232	50	50	U	DNR	Other	µg/kg
200-2079-1	RBC10-05	PCBs	PCB-1242	50	50	U	DNR	Other	µg/kg
200-2079-1	RBC10-05	PCBs	PCB-1248	50	50	U	DNR	Other	µg/kg
200-2079-1	RBC10-05	PCBs	PCB-1254	50	50	U	DNR	Other	µg/kg
200-2079-1	RBC10-05	PCBs	PCB-1260	50	50	U	DNR	Other	µg/kg
200-2079-1	RBC10-05	PCBs	PCB-1262	50	50	U	DNR	Other	µg/kg
200-2079-1	RBC10-05	PCBs	PCB-1268	50	50	U	DNR	Other	µg/kg
200-2079-1	RBC10-05RE	PCBs	PCB-1016	20	20	U	UJ	HT	µg/kg
200-2079-1	RBC10-05RE	PCBs	PCB-1221	20	20	U	UJ	HT	µg/kg
200-2079-1	RBC10-05RE	PCBs	PCB-1232	20	20	U	UJ	HT	µg/kg
200-2079-1	RBC10-05RE	PCBs	PCB-1242	20	20	U	UJ	HT	µg/kg
200-2079-1	RBC10-05RE	PCBs	PCB-1248	20	20	U	UJ	HT	µg/kg
200-2079-1	RBC10-05RE	PCBs	PCB-1254	20	20	U	UJ	HT	µg/kg
200-2079-1	RBC10-05RE	PCBs	PCB-1260	20	20	U	UJ	HT	µg/kg
200-2079-1	RBC10-05RE	PCBs	PCB-1262	20	20	U	UJ	HT	µg/kg
200-2079-1	RBC10-05RE	PCBs	PCB-1268	20	20	U	UJ	HT	µg/kg
200-2079-1	RVG10-01	PCBs	PCB-1016	50	50	U	DNR	Other	µg/kg
200-2079-1	RVG10-01	PCBs	PCB-1221	50	50	U	DNR	Other	µg/kg
200-2079-1	RVG10-01	PCBs	PCB-1232	50	50	U	DNR	Other	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
200-2079-1	RVG10-01	PCBs	PCB-1242	50	50 U		DNR	Other	µg/kg
200-2079-1	RVG10-01	PCBs	PCB-1248	50	50 U		DNR	Other	µg/kg
200-2079-1	RVG10-01	PCBs	PCB-1254	50	50 U		DNR	Other	µg/kg
200-2079-1	RVG10-01	PCBs	PCB-1260	50	50 U		DNR	Other	µg/kg
200-2079-1	RVG10-01	PCBs	PCB-1262	50	50 U		DNR	Other	µg/kg
200-2079-1	RVG10-01	PCBs	PCB-1268	50	50 U		DNR	Other	µg/kg
200-2079-1	RVG10-01RE	PCBs	PCB-1016	20	20 U		UJ	HT	µg/kg
200-2079-1	RVG10-01RE	PCBs	PCB-1221	20	20 U		UJ	HT	µg/kg
200-2079-1	RVG10-01RE	PCBs	PCB-1232	20	20 U		UJ	HT	µg/kg
200-2079-1	RVG10-01RE	PCBs	PCB-1242	20	20 U		UJ	HT	µg/kg
200-2079-1	RVG10-01RE	PCBs	PCB-1248	20	20 U		UJ	HT	µg/kg
200-2079-1	RVG10-01RE	PCBs	PCB-1254	20	20 U		UJ	HT	µg/kg
200-2079-1	RVG10-01RE	PCBs	PCB-1260	20	20 U		UJ	HT	µg/kg
200-2079-1	RVG10-01RE	PCBs	PCB-1262	20	20 U		UJ	HT	µg/kg
200-2079-1	RVG10-01RE	PCBs	PCB-1268	20	20 U		UJ	HT	µg/kg
200-2079-1	RVG10-02	PCBs	PCB-1016	49	49 U		DNR	Other	µg/kg
200-2079-1	RVG10-02	PCBs	PCB-1221	49	49 U		DNR	Other	µg/kg
200-2079-1	RVG10-02	PCBs	PCB-1232	49	49 U		DNR	Other	µg/kg
200-2079-1	RVG10-02	PCBs	PCB-1242	49	49 U		DNR	Other	µg/kg
200-2079-1	RVG10-02	PCBs	PCB-1248	49	49 U		DNR	Other	µg/kg
200-2079-1	RVG10-02	PCBs	PCB-1254	49	49 U		DNR	Other	µg/kg
200-2079-1	RVG10-02	PCBs	PCB-1260	49	49 U		DNR	Other	µg/kg
200-2079-1	RVG10-02	PCBs	PCB-1262	49	49 U		DNR	Other	µg/kg
200-2079-1	RVG10-02	PCBs	PCB-1268	49	49 U		DNR	Other	µg/kg
200-2079-1	RVG10-02RE	PCBs	PCB-1016	20	20 U		UJ	HT	µg/kg
200-2079-1	RVG10-02RE	PCBs	PCB-1221	20	20 U		UJ	HT	µg/kg
200-2079-1	RVG10-02RE	PCBs	PCB-1232	20	20 U		UJ	HT	µg/kg
200-2079-1	RVG10-02RE	PCBs	PCB-1242	20	20 U		UJ	HT	µg/kg
200-2079-1	RVG10-02RE	PCBs	PCB-1248	20	20 U		UJ	HT	µg/kg
200-2079-1	RVG10-02RE	PCBs	PCB-1254	20	20 U		UJ	HT	µg/kg
200-2079-1	RVG10-02RE	PCBs	PCB-1260	20	20 U		UJ	HT	µg/kg
200-2079-1	RVG10-02RE	PCBs	PCB-1262	20	20 U		UJ	HT	µg/kg
200-2079-1	RVG10-02RE	PCBs	PCB-1268	20	20 U		UJ	HT	µg/kg
200-2079-1	RVG10-03	PCBs	PCB-1016	51	51 U		DNR	Other	µg/kg
200-2079-1	RVG10-03	PCBs	PCB-1221	51	51 U		DNR	Other	µg/kg
200-2079-1	RVG10-03	PCBs	PCB-1232	51	51 U		DNR	Other	µg/kg
200-2079-1	RVG10-03	PCBs	PCB-1242	51	51 U		DNR	Other	µg/kg
200-2079-1	RVG10-03	PCBs	PCB-1248	51	51 U		DNR	Other	µg/kg
200-2079-1	RVG10-03	PCBs	PCB-1254	51	51 U		DNR	Other	µg/kg
200-2079-1	RVG10-03	PCBs	PCB-1260	51	51 U		DNR	Other	µg/kg
200-2079-1	RVG10-03	PCBs	PCB-1262	51	51 U		DNR	Other	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
200-2079-1	RVG10-03	PCBs	PCB-1268	51	51	U	DNR	Other	µg/kg
200-2079-1	RVG10-03RE	PCBs	PCB-1016	20	20	U	UJ	HT	µg/kg
200-2079-1	RVG10-03RE	PCBs	PCB-1221	20	20	U	UJ	HT	µg/kg
200-2079-1	RVG10-03RE	PCBs	PCB-1232	20	20	U	UJ	HT	µg/kg
200-2079-1	RVG10-03RE	PCBs	PCB-1242	20	20	U	UJ	HT	µg/kg
200-2079-1	RVG10-03RE	PCBs	PCB-1248	20	20	U	UJ	HT	µg/kg
200-2079-1	RVG10-03RE	PCBs	PCB-1254	20	20	U	UJ	HT	µg/kg
200-2079-1	RVG10-03RE	PCBs	PCB-1260	20	20	U	UJ	HT	µg/kg
200-2079-1	RVG10-03RE	PCBs	PCB-1262	20	20	U	UJ	HT	µg/kg
200-2079-1	RVG10-03RE	PCBs	PCB-1268	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-05	PCBs	PCB-1016	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-05	PCBs	PCB-1221	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-05	PCBs	PCB-1232	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-05	PCBs	PCB-1242	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-05	PCBs	PCB-1248	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-05	PCBs	PCB-1254	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-05	PCBs	PCB-1260	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-05	PCBs	PCB-1262	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-05	PCBs	PCB-1268	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-05RE	PCBs	PCB-1016	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-05RE	PCBs	PCB-1221	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-05RE	PCBs	PCB-1232	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-05RE	PCBs	PCB-1242	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-05RE	PCBs	PCB-1248	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-05RE	PCBs	PCB-1254	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-05RE	PCBs	PCB-1260	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-05RE	PCBs	PCB-1262	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-05RE	PCBs	PCB-1268	20	20	U	UJ	HT	µg/kg
200-2079-1	RBC10-02	PCBs	PCB-1016	50	50	U	DNR	Other	µg/kg
200-2079-1	RBC10-02	PCBs	PCB-1221	50	50	U	DNR	Other	µg/kg
200-2079-1	RBC10-02	PCBs	PCB-1232	50	50	U	DNR	Other	µg/kg
200-2079-1	RBC10-02	PCBs	PCB-1242	50	50	U	DNR	Other	µg/kg
200-2079-1	RBC10-02	PCBs	PCB-1248	50	50	U	DNR	Other	µg/kg
200-2079-1	RBC10-02	PCBs	PCB-1254	50	50	U	DNR	Other	µg/kg
200-2079-1	RBC10-02	PCBs	PCB-1260	50	50	U	DNR	Other	µg/kg
200-2079-1	RBC10-02	PCBs	PCB-1262	50	50	U	DNR	Other	µg/kg
200-2079-1	RBC10-02	PCBs	PCB-1268	50	50	U	DNR	Other	µg/kg
200-2079-1	RBC10-02RE	PCBs	PCB-1016	20	20	U	UJ	HT	µg/kg
200-2079-1	RBC10-02RE	PCBs	PCB-1221	20	20	U	UJ	HT	µg/kg
200-2079-1	RBC10-02RE	PCBs	PCB-1232	20	20	U	UJ	HT	µg/kg
200-2079-1	RBC10-02RE	PCBs	PCB-1242	20	20	U	UJ	HT	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
200-2079-1	RBC10-02RE	PCBs	PCB-1248	20	20 U		UJ	HT	µg/kg
200-2079-1	RBC10-02RE	PCBs	PCB-1254	20	20 U		UJ	HT	µg/kg
200-2079-1	RBC10-02RE	PCBs	PCB-1260	20	20 U		UJ	HT	µg/kg
200-2079-1	RBC10-02RE	PCBs	PCB-1262	20	20 U		UJ	HT	µg/kg
200-2079-1	RBC10-02RE	PCBs	PCB-1268	20	20 U		UJ	HT	µg/kg
200-2079-1	RBC10-01	PCBs	PCB-1016	50	50 U		DNR	Other	µg/kg
200-2079-1	RBC10-01	PCBs	PCB-1221	50	50 U		DNR	Other	µg/kg
200-2079-1	RBC10-01	PCBs	PCB-1232	50	50 U		DNR	Other	µg/kg
200-2079-1	RBC10-01	PCBs	PCB-1242	50	50 U		DNR	Other	µg/kg
200-2079-1	RBC10-01	PCBs	PCB-1248	50	50 U		DNR	Other	µg/kg
200-2079-1	RBC10-01	PCBs	PCB-1254	50	50 U		DNR	Other	µg/kg
200-2079-1	RBC10-01	PCBs	PCB-1260	50	50 U		DNR	Other	µg/kg
200-2079-1	RBC10-01	PCBs	PCB-1262	50	50 U		DNR	Other	µg/kg
200-2079-1	RBC10-01	PCBs	PCB-1268	50	50 U		DNR	Other	µg/kg
200-2079-1	RBC10-01RE	PCBs	PCB-1016	20	20 U		UJ	HT	µg/kg
200-2079-1	RBC10-01RE	PCBs	PCB-1221	20	20 U		UJ	HT	µg/kg
200-2079-1	RBC10-01RE	PCBs	PCB-1232	20	20 U		UJ	HT	µg/kg
200-2079-1	RBC10-01RE	PCBs	PCB-1242	20	20 U		UJ	HT	µg/kg
200-2079-1	RBC10-01RE	PCBs	PCB-1248	20	20 U		UJ	HT	µg/kg
200-2079-1	RBC10-01RE	PCBs	PCB-1254	20	20 U		UJ	HT	µg/kg
200-2079-1	RBC10-01RE	PCBs	PCB-1260	20	20 U		UJ	HT	µg/kg
200-2079-1	RBC10-01RE	PCBs	PCB-1262	20	20 U		UJ	HT	µg/kg
200-2079-1	RBC10-01RE	PCBs	PCB-1268	20	20 U		UJ	HT	µg/kg
200-2079-1	RFF10-04	PCBs	PCB-1016	51	51 U		DNR	Other	µg/kg
200-2079-1	RFF10-04	PCBs	PCB-1221	51	51 U		DNR	Other	µg/kg
200-2079-1	RFF10-04	PCBs	PCB-1232	51	51 U		DNR	Other	µg/kg
200-2079-1	RFF10-04	PCBs	PCB-1242	51	51 U		DNR	Other	µg/kg
200-2079-1	RFF10-04	PCBs	PCB-1248	51	51 U		DNR	Other	µg/kg
200-2079-1	RFF10-04	PCBs	PCB-1254	51	51 U		DNR	Other	µg/kg
200-2079-1	RFF10-04	PCBs	PCB-1260	51	51 U		DNR	Other	µg/kg
200-2079-1	RFF10-04	PCBs	PCB-1262	51	51 U		DNR	Other	µg/kg
200-2079-1	RFF10-04	PCBs	PCB-1268	51	51 U		DNR	Other	µg/kg
200-2079-1	RFF10-04RE	PCBs	PCB-1016	20	20 U		UJ	HT	µg/kg
200-2079-1	RFF10-04RE	PCBs	PCB-1221	20	20 U		UJ	HT	µg/kg
200-2079-1	RFF10-04RE	PCBs	PCB-1232	20	20 U		UJ	HT	µg/kg
200-2079-1	RFF10-04RE	PCBs	PCB-1242	20	20 U		UJ	HT	µg/kg
200-2079-1	RFF10-04RE	PCBs	PCB-1248	20	20 U		UJ	HT	µg/kg
200-2079-1	RFF10-04RE	PCBs	PCB-1254	20	20 U		UJ	HT	µg/kg
200-2079-1	RFF10-04RE	PCBs	PCB-1260	20	20 U		UJ	HT	µg/kg
200-2079-1	RFF10-04RE	PCBs	PCB-1262	20	20 U		UJ	HT	µg/kg
200-2079-1	RFF10-04RE	PCBs	PCB-1268	20	20 U		UJ	HT	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
200-2079-1	RFF10-03	PCBs	PCB-1016	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-03	PCBs	PCB-1221	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-03	PCBs	PCB-1232	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-03	PCBs	PCB-1242	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-03	PCBs	PCB-1248	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-03	PCBs	PCB-1254	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-03	PCBs	PCB-1260	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-03	PCBs	PCB-1262	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-03	PCBs	PCB-1268	50	50	U	DNR	Other	µg/kg
200-2079-1	RFF10-03RE	PCBs	PCB-1016	20	20	U	UJ	HT,Surr	µg/kg
200-2079-1	RFF10-03RE	PCBs	PCB-1221	20	20	U	UJ	HT,Surr	µg/kg
200-2079-1	RFF10-03RE	PCBs	PCB-1232	20	20	U	UJ	HT,Surr	µg/kg
200-2079-1	RFF10-03RE	PCBs	PCB-1242	20	20	U	UJ	HT,Surr	µg/kg
200-2079-1	RFF10-03RE	PCBs	PCB-1248	20	20	U	UJ	HT,Surr	µg/kg
200-2079-1	RFF10-03RE	PCBs	PCB-1254	20	20	U	UJ	HT,Surr	µg/kg
200-2079-1	RFF10-03RE	PCBs	PCB-1260	20	20	U	UJ	HT,Surr	µg/kg
200-2079-1	RFF10-03RE	PCBs	PCB-1262	20	20	U	UJ	HT,Surr	µg/kg
200-2079-1	RFF10-03RE	PCBs	PCB-1268	20	20	U	UJ	HT,Surr	µg/kg
200-2079-1	RFF10-01	PCBs	PCB-1016	51	51	U	DNR	Other	µg/kg
200-2079-1	RFF10-01	PCBs	PCB-1221	51	51	U	DNR	Other	µg/kg
200-2079-1	RFF10-01	PCBs	PCB-1232	51	51	U	DNR	Other	µg/kg
200-2079-1	RFF10-01	PCBs	PCB-1242	51	51	U	DNR	Other	µg/kg
200-2079-1	RFF10-01	PCBs	PCB-1248	51	51	U	DNR	Other	µg/kg
200-2079-1	RFF10-01	PCBs	PCB-1254	51	51	U	DNR	Other	µg/kg
200-2079-1	RFF10-01	PCBs	PCB-1260	51	51	U	DNR	Other	µg/kg
200-2079-1	RFF10-01	PCBs	PCB-1262	51	51	U	DNR	Other	µg/kg
200-2079-1	RFF10-01	PCBs	PCB-1268	51	51	U	DNR	Other	µg/kg
200-2079-1	RFF10-01RE	PCBs	PCB-1016	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-01RE	PCBs	PCB-1221	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-01RE	PCBs	PCB-1232	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-01RE	PCBs	PCB-1242	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-01RE	PCBs	PCB-1248	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-01RE	PCBs	PCB-1254	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-01RE	PCBs	PCB-1260	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-01RE	PCBs	PCB-1262	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-01RE	PCBs	PCB-1268	20	20	U	UJ	HT	µg/kg
200-2079-1	RLB10-01	PCBs	PCB-1016	52	52	U	DNR	Other	µg/kg
200-2079-1	RLB10-01	PCBs	PCB-1221	52	52	U	DNR	Other	µg/kg
200-2079-1	RLB10-01	PCBs	PCB-1232	52	52	U	DNR	Other	µg/kg
200-2079-1	RLB10-01	PCBs	PCB-1242	52	52	U	DNR	Other	µg/kg
200-2079-1	RLB10-01	PCBs	PCB-1248	52	52	U	DNR	Other	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
200-2079-1	RLB10-01	PCBs	PCB-1254	52	52 U		DNR	Other	µg/kg
200-2079-1	RLB10-01	PCBs	PCB-1260	52	52 U		DNR	Other	µg/kg
200-2079-1	RLB10-01	PCBs	PCB-1262	52	52 U		DNR	Other	µg/kg
200-2079-1	RLB10-01	PCBs	PCB-1268	52	52 U		DNR	Other	µg/kg
200-2079-1	RLB10-01RE	PCBs	PCB-1016	21	21 U		UJ	HT	µg/kg
200-2079-1	RLB10-01RE	PCBs	PCB-1221	21	21 U		UJ	HT	µg/kg
200-2079-1	RLB10-01RE	PCBs	PCB-1232	21	21 U		UJ	HT	µg/kg
200-2079-1	RLB10-01RE	PCBs	PCB-1242	21	21 U		UJ	HT	µg/kg
200-2079-1	RLB10-01RE	PCBs	PCB-1248	21	21 U		UJ	HT	µg/kg
200-2079-1	RLB10-01RE	PCBs	PCB-1254	21	21 U		UJ	HT	µg/kg
200-2079-1	RLB10-01RE	PCBs	PCB-1260	21	21 U		UJ	HT	µg/kg
200-2079-1	RLB10-01RE	PCBs	PCB-1262	21	21 U		UJ	HT	µg/kg
200-2079-1	RLB10-01RE	PCBs	PCB-1268	21	21 U		UJ	HT	µg/kg
200-2079-1	RLB-10-02	PCBs	PCB-1016	48	48 U		DNR	Other	µg/kg
200-2079-1	RLB-10-02	PCBs	PCB-1221	48	48 U		DNR	Other	µg/kg
200-2079-1	RLB-10-02	PCBs	PCB-1232	48	48 U		DNR	Other	µg/kg
200-2079-1	RLB-10-02	PCBs	PCB-1242	48	48 U		DNR	Other	µg/kg
200-2079-1	RLB-10-02	PCBs	PCB-1248	48	48 U		DNR	Other	µg/kg
200-2079-1	RLB-10-02	PCBs	PCB-1254	48	48 U		DNR	Other	µg/kg
200-2079-1	RLB-10-02	PCBs	PCB-1260	48	48 U		DNR	Other	µg/kg
200-2079-1	RLB-10-02	PCBs	PCB-1262	48	48 U		DNR	Other	µg/kg
200-2079-1	RLB-10-02	PCBs	PCB-1268	48	48 U		DNR	Other	µg/kg
200-2079-1	RLB-10-02RE	PCBs	PCB-1016	19	19 U		UJ	HT	µg/kg
200-2079-1	RLB-10-02RE	PCBs	PCB-1221	19	19 U		UJ	HT	µg/kg
200-2079-1	RLB-10-02RE	PCBs	PCB-1232	19	19 U		UJ	HT	µg/kg
200-2079-1	RLB-10-02RE	PCBs	PCB-1242	19	19 U		UJ	HT	µg/kg
200-2079-1	RLB-10-02RE	PCBs	PCB-1248	19	19 U		UJ	HT	µg/kg
200-2079-1	RLB-10-02RE	PCBs	PCB-1254	19	19 U		UJ	HT	µg/kg
200-2079-1	RLB-10-02RE	PCBs	PCB-1260	19	19 U		UJ	HT	µg/kg
200-2079-1	RLB-10-02RE	PCBs	PCB-1262	19	19 U		UJ	HT	µg/kg
200-2079-1	RLB-10-02RE	PCBs	PCB-1268	19	19 U		UJ	HT	µg/kg
200-2079-1	EQBLKPT	PCBs	PCB-1016	50	50 U		DNR	Other	µg/kg
200-2079-1	EQBLKPT	PCBs	PCB-1221	50	50 U		DNR	Other	µg/kg
200-2079-1	EQBLKPT	PCBs	PCB-1232	50	50 U		DNR	Other	µg/kg
200-2079-1	EQBLKPT	PCBs	PCB-1242	50	50 U		DNR	Other	µg/kg
200-2079-1	EQBLKPT	PCBs	PCB-1248	50	50 U		DNR	Other	µg/kg
200-2079-1	EQBLKPT	PCBs	PCB-1254	50	50 U		DNR	Other	µg/kg
200-2079-1	EQBLKPT	PCBs	PCB-1260	50	50 U		DNR	Other	µg/kg
200-2079-1	EQBLKPT	PCBs	PCB-1262	50	50 U		DNR	Other	µg/kg
200-2079-1	EQBLKPT	PCBs	PCB-1268	50	50 U		DNR	Other	µg/kg
200-2079-1	EQBLKPTRE	PCBs	PCB-1016	20	20 U		UJ	HT	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
200-2079-1	EQBLKPTRE	PCBs	PCB-1221	20	20	U	UJ	HT	µg/kg
200-2079-1	EQBLKPTRE	PCBs	PCB-1232	20	20	U	UJ	HT	µg/kg
200-2079-1	EQBLKPTRE	PCBs	PCB-1242	20	20	U	UJ	HT	µg/kg
200-2079-1	EQBLKPTRE	PCBs	PCB-1248	20	20	U	UJ	HT	µg/kg
200-2079-1	EQBLKPTRE	PCBs	PCB-1254	20	20	U	UJ	HT	µg/kg
200-2079-1	EQBLKPTRE	PCBs	PCB-1260	20	20	U	UJ	HT	µg/kg
200-2079-1	EQBLKPTRE	PCBs	PCB-1262	20	20	U	UJ	HT	µg/kg
200-2079-1	EQBLKPTRE	PCBs	PCB-1268	20	20	U	UJ	HT	µg/kg
200-2079-1	EQBLKFT	PCBs	PCB-1016	51	51	U	DNR	Other	µg/kg
200-2079-1	EQBLKFT	PCBs	PCB-1221	51	51	U	DNR	Other	µg/kg
200-2079-1	EQBLKFT	PCBs	PCB-1232	51	51	U	DNR	Other	µg/kg
200-2079-1	EQBLKFT	PCBs	PCB-1242	51	51	U	DNR	Other	µg/kg
200-2079-1	EQBLKFT	PCBs	PCB-1248	51	51	U	DNR	Other	µg/kg
200-2079-1	EQBLKFT	PCBs	PCB-1254	51	51	U	DNR	Other	µg/kg
200-2079-1	EQBLKFT	PCBs	PCB-1260	51	51	U	DNR	Other	µg/kg
200-2079-1	EQBLKFT	PCBs	PCB-1262	51	51	U	DNR	Other	µg/kg
200-2079-1	EQBLKFT	PCBs	PCB-1268	51	51	U	DNR	Other	µg/kg
200-2079-1	EQBLKFTRE	PCBs	PCB-1016	20	20	U	UJ	HT	µg/kg
200-2079-1	EQBLKFTRE	PCBs	PCB-1221	20	20	U	UJ	HT	µg/kg
200-2079-1	EQBLKFTRE	PCBs	PCB-1232	20	20	U	UJ	HT	µg/kg
200-2079-1	EQBLKFTRE	PCBs	PCB-1242	20	20	U	UJ	HT	µg/kg
200-2079-1	EQBLKFTRE	PCBs	PCB-1248	20	20	U	UJ	HT	µg/kg
200-2079-1	EQBLKFTRE	PCBs	PCB-1254	20	20	U	UJ	HT	µg/kg
200-2079-1	EQBLKFTRE	PCBs	PCB-1260	20	20	U	UJ	HT	µg/kg
200-2079-1	EQBLKFTRE	PCBs	PCB-1262	20	20	U	UJ	HT	µg/kg
200-2079-1	EQBLKFTRE	PCBs	PCB-1268	20	20	U	UJ	HT	µg/kg
200-2079-1	FF10-07	PCBs	PCB-1254	460	48		J	Conf	µg/kg
200-2079-1	FF10-07	PCBs	PCB-1260	65	48		J	Conf	µg/kg
200-2079-1	VG10-07	PCBs	PCB-1016	51	51	U	DNR	Other	µg/kg
200-2079-1	VG10-07	PCBs	PCB-1221	51	51	U	DNR	Other	µg/kg
200-2079-1	VG10-07	PCBs	PCB-1232	51	51	U	DNR	Other	µg/kg
200-2079-1	VG10-07	PCBs	PCB-1242	51	51	U	DNR	Other	µg/kg
200-2079-1	VG10-07	PCBs	PCB-1248	51	51	U	DNR	Other	µg/kg
200-2079-1	VG10-07	PCBs	PCB-1254	51	51	U	DNR	Other	µg/kg
200-2079-1	VG10-07	PCBs	PCB-1260	51	51	U	DNR	Other	µg/kg
200-2079-1	VG10-07	PCBs	PCB-1262	51	51	U	DNR	Other	µg/kg
200-2079-1	VG10-07	PCBs	PCB-1268	51	51	U	DNR	Other	µg/kg
200-2079-1	VG10-07RE	PCBs	PCB-1016	21	21	U	UJ	HT	µg/kg
200-2079-1	VG10-07RE	PCBs	PCB-1221	21	21	U	UJ	HT	µg/kg
200-2079-1	VG10-07RE	PCBs	PCB-1232	21	21	U	UJ	HT	µg/kg
200-2079-1	VG10-07RE	PCBs	PCB-1242	21	21	U	UJ	HT	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
200-2079-1	VG10-07RE	PCBs	PCB-1248	21	21	U	UJ	HT	µg/kg
200-2079-1	VG10-07RE	PCBs	PCB-1254	21	21	U	UJ	HT	µg/kg
200-2079-1	VG10-07RE	PCBs	PCB-1260	21	21	U	UJ	HT	µg/kg
200-2079-1	VG10-07RE	PCBs	PCB-1262	21	21	U	UJ	HT	µg/kg
200-2079-1	VG10-07RE	PCBs	PCB-1268	21	21	U	UJ	HT	µg/kg
200-2079-1	VG10-15	PCBs	PCB-1016	52	52	U	DNR	Other	µg/kg
200-2079-1	VG10-15	PCBs	PCB-1221	52	52	U	DNR	Other	µg/kg
200-2079-1	VG10-15	PCBs	PCB-1232	52	52	U	DNR	Other	µg/kg
200-2079-1	VG10-15	PCBs	PCB-1242	52	52	U	DNR	Other	µg/kg
200-2079-1	VG10-15	PCBs	PCB-1248	52	52	U	DNR	Other	µg/kg
200-2079-1	VG10-15	PCBs	PCB-1254	52	52	U	DNR	Other	µg/kg
200-2079-1	VG10-15	PCBs	PCB-1260	52	52	U	DNR	Other	µg/kg
200-2079-1	VG10-15	PCBs	PCB-1262	52	52	U	DNR	Other	µg/kg
200-2079-1	VG10-15	PCBs	PCB-1268	52	52	U	DNR	Other	µg/kg
200-2079-1	VG10-15RE	PCBs	PCB-1016	21	21	U	UJ	HT	µg/kg
200-2079-1	VG10-15RE	PCBs	PCB-1221	21	21	U	UJ	HT	µg/kg
200-2079-1	VG10-15RE	PCBs	PCB-1232	21	21	U	UJ	HT	µg/kg
200-2079-1	VG10-15RE	PCBs	PCB-1242	21	21	U	UJ	HT	µg/kg
200-2079-1	VG10-15RE	PCBs	PCB-1248	21	21	U	UJ	HT	µg/kg
200-2079-1	VG10-15RE	PCBs	PCB-1254	21	21	U	UJ	HT	µg/kg
200-2079-1	VG10-15RE	PCBs	PCB-1260	21	21	U	UJ	HT	µg/kg
200-2079-1	VG10-15RE	PCBs	PCB-1262	21	21	U	UJ	HT	µg/kg
200-2079-1	VG10-15RE	PCBs	PCB-1268	21	21	U	UJ	HT	µg/kg
200-2079-1	VG10-01	PCBs	PCB-1016	51	51	U	DNR	Other	µg/kg
200-2079-1	VG10-01	PCBs	PCB-1221	51	51	U	DNR	Other	µg/kg
200-2079-1	VG10-01	PCBs	PCB-1232	51	51	U	DNR	Other	µg/kg
200-2079-1	VG10-01	PCBs	PCB-1242	51	51	U	DNR	Other	µg/kg
200-2079-1	VG10-01	PCBs	PCB-1248	51	51	U	DNR	Other	µg/kg
200-2079-1	VG10-01	PCBs	PCB-1254	62	51		DNR	Other	µg/kg
200-2079-1	VG10-01	PCBs	PCB-1260	51	51	U	DNR	Other	µg/kg
200-2079-1	VG10-01	PCBs	PCB-1262	51	51	U	DNR	Other	µg/kg
200-2079-1	VG10-01	PCBs	PCB-1268	51	51	U	DNR	Other	µg/kg
200-2079-1	VG10-01RE	PCBs	PCB-1016	20	20	U	UJ	HT	µg/kg
200-2079-1	VG10-01RE	PCBs	PCB-1221	20	20	U	UJ	HT	µg/kg
200-2079-1	VG10-01RE	PCBs	PCB-1232	20	20	U	UJ	HT	µg/kg
200-2079-1	VG10-01RE	PCBs	PCB-1242	20	20	U	UJ	HT	µg/kg
200-2079-1	VG10-01RE	PCBs	PCB-1248	20	20	U	UJ	HT	µg/kg
200-2079-1	VG10-01RE	PCBs	PCB-1254	54	20		J	HT	µg/kg
200-2079-1	VG10-01RE	PCBs	PCB-1260	20	20	U	UJ	HT	µg/kg
200-2079-1	VG10-01RE	PCBs	PCB-1262	20	20	U	UJ	HT	µg/kg
200-2079-1	VG10-01RE	PCBs	PCB-1268	20	20	U	UJ	HT	µg/kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
200-2079-1	VG10-14	PCBs	PCB-1016	50	50	U	DNR	Other	µg/kg
200-2079-1	VG10-14	PCBs	PCB-1221	50	50	U	DNR	Other	µg/kg
200-2079-1	VG10-14	PCBs	PCB-1232	50	50	U	DNR	Other	µg/kg
200-2079-1	VG10-14	PCBs	PCB-1242	50	50	U	DNR	Other	µg/kg
200-2079-1	VG10-14	PCBs	PCB-1248	50	50	U	DNR	Other	µg/kg
200-2079-1	VG10-14	PCBs	PCB-1254	50	50	U	DNR	Other	µg/kg
200-2079-1	VG10-14	PCBs	PCB-1260	50	50	U	DNR	Other	µg/kg
200-2079-1	VG10-14	PCBs	PCB-1262	50	50	U	DNR	Other	µg/kg
200-2079-1	VG10-14	PCBs	PCB-1268	50	50	U	DNR	Other	µg/kg
200-2079-1	VG10-14RE	PCBs	PCB-1016	20	20	U	UJ	HT	µg/kg
200-2079-1	VG10-14RE	PCBs	PCB-1221	20	20	U	UJ	HT	µg/kg
200-2079-1	VG10-14RE	PCBs	PCB-1232	20	20	U	UJ	HT	µg/kg
200-2079-1	VG10-14RE	PCBs	PCB-1242	20	20	U	UJ	HT	µg/kg
200-2079-1	VG10-14RE	PCBs	PCB-1248	20	20	U	UJ	HT	µg/kg
200-2079-1	VG10-14RE	PCBs	PCB-1254	20	20	U	UJ	HT	µg/kg
200-2079-1	VG10-14RE	PCBs	PCB-1260	20	20	U	UJ	HT	µg/kg
200-2079-1	VG10-14RE	PCBs	PCB-1262	20	20	U	UJ	HT	µg/kg
200-2079-1	VG10-14RE	PCBs	PCB-1268	20	20	U	UJ	HT	µg/kg
200-2079-1	RFF10-02	Metals	Calcium	8880	80.6	J	ICPSD,MS/MSD,Pc		mg/Kg
200-2079-1	RFF10-02	Metals	Iron	16.2	16.1	J	MS/MSD,Pc		mg/Kg
200-2079-1	RFF10-02	Metals	Manganese	2.2	0.32	J	MS/MSD,Pc		mg/Kg
200-2079-1	RFF10-02	Metals	Zinc	21.8	1.6	J	MS/MSD		mg/Kg
200-2079-1	RFF10-02	Metals	Magnesium	411	80.6	J	Cc,ICPSD		mg/Kg
200-2079-1	RFF10-02	Metals	Potassium	3300	80.6	J	Cc,Pc		mg/Kg
200-2079-1	RFF10-02	Metals	Sodium	1060	80.6	J	Cc,ICPSD,MS/MSD		mg/Kg
200-2079-1	RBC10-05	Metals	Calcium	387	88.5	J	ICPSD,MS/MSD,Pc		mg/Kg
200-2079-1	RBC10-05	Metals	Zinc	12	1.8	J	MS/MSD		mg/Kg
200-2079-1	RBC10-05	Metals	Magnesium	271	88.5	J	Cc,ICPSD		mg/Kg
200-2079-1	RBC10-05	Metals	Potassium	4130	88.5	J	Cc,Pc		mg/Kg
200-2079-1	RBC10-05	Metals	Sodium	570	88.5	J	Cc,ICPSD,MS/MSD		mg/Kg
200-2079-1	RVG10-01	Metals	Calcium	3330	82	J	ICPSD,MS/MSD,Pc		mg/Kg
200-2079-1	RVG10-01	Metals	Iron	362	16.4	J	MS/MSD,Pc		mg/Kg
200-2079-1	RVG10-01	Metals	Lead	1.1	0.16	J	Pc		mg/Kg
200-2079-1	RVG10-01	Metals	Zinc	4	1.6	J	MS/MSD		mg/Kg
200-2079-1	RVG10-01	Metals	Aluminum	137	6.6	J	MS/MSD,Pc		mg/Kg
200-2079-1	RVG10-01	Metals	Magnesium	380	82	J	Cc,ICPSD		mg/Kg
200-2079-1	RVG10-01	Metals	Potassium	912	82	J	Cc,Pc		mg/Kg
200-2079-1	RVG10-01	Metals	Sodium	354	82	J	Cc,ICPSD,MS/MSD		mg/Kg
200-2079-1	RVG10-01	Metals	Manganese	58.6	3.3	J	MS/MSD,Pc		mg/Kg
200-2079-1	RVG10-02	Metals	Calcium	1000	88.5	J	ICPSD,MS/MSD,Pc		mg/Kg
200-2079-1	RVG10-02	Metals	Iron	68.7	17.7	J	MS/MSD,Pc		mg/Kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
200-2079-1	RVG10-02	Metals	Manganese	3.9	0.35		J	MS/MSD,Pc	mg/Kg
200-2079-1	RVG10-02	Metals	Zinc	2.3	1.8		J	MS/MSD	mg/Kg
200-2079-1	RVG10-02	Metals	Aluminum	15.4	7.1		J	MS/MSD,Pc	mg/Kg
200-2079-1	RVG10-02	Metals	Magnesium	258	88.5		J	Cc,ICPSD	mg/Kg
200-2079-1	RVG10-02	Metals	Potassium	3700	88.5		J	Cc,Pc	mg/Kg
200-2079-1	RVG10-02	Metals	Sodium	684	88.5		J	Cc,ICPSD,MS/MSD	mg/Kg
200-2079-1	RVG10-03	Metals	Calcium	3190	90.9		J	ICPSD,MS/MSD,Pc	mg/Kg
200-2079-1	RVG10-03	Metals	Iron	94.1	18.2		J	MS/MSD,Pc	mg/Kg
200-2079-1	RVG10-03	Metals	Lead	0.2	0.18		J	Pc	mg/Kg
200-2079-1	RVG10-03	Metals	Manganese	23.2	0.36		J	MS/MSD,Pc	mg/Kg
200-2079-1	RVG10-03	Metals	Zinc	12.9	1.8		J	MS/MSD	mg/Kg
200-2079-1	RVG10-03	Metals	Aluminum	39.8	7.3		J	MS/MSD,Pc	mg/Kg
200-2079-1	RVG10-03	Metals	Magnesium	923	90.9		J	Cc,ICPSD	mg/Kg
200-2079-1	RVG10-03	Metals	Potassium	3990	90.9		J	Cc,Pc	mg/Kg
200-2079-1	RVG10-03	Metals	Sodium	461	90.9		J	Cc,ICPSD,MS/MSD	mg/Kg
200-2079-1	RFF10-05	Metals	Calcium	8540	83.3		J	ICPSD,MS/MSD,Pc	mg/Kg
200-2079-1	RFF10-05	Metals	Iron	18.2	16.7		J	MS/MSD,Pc	mg/Kg
200-2079-1	RFF10-05	Metals	Manganese	1.6	0.33		J	MS/MSD,Pc	mg/Kg
200-2079-1	RFF10-05	Metals	Zinc	15.3	1.7		J	MS/MSD	mg/Kg
200-2079-1	RFF10-05	Metals	Magnesium	374	83.3		J	Cc,ICPSD	mg/Kg
200-2079-1	RFF10-05	Metals	Potassium	2920	83.3		J	Cc,Pc	mg/Kg
200-2079-1	RFF10-05	Metals	Sodium	1130	83.3		J	Cc,ICPSD,MS/MSD	mg/Kg
200-2079-1	RBC10-02	Metals	Calcium	162	95.2		J	ICPSD,MS/MSD,Pc	mg/Kg
200-2079-1	RBC10-02	Metals	Zinc	12.5	1.9		J	MS/MSD	mg/Kg
200-2079-1	RBC10-02	Metals	Magnesium	284	95.2		J	Cc,ICPSD	mg/Kg
200-2079-1	RBC10-02	Metals	Potassium	3890	95.2		J	Cc,Pc	mg/Kg
200-2079-1	RBC10-02	Metals	Sodium	595	95.2		J	Cc,ICPSD,MS/MSD	mg/Kg
200-2079-1	RBC10-01	Metals	Calcium	984	85.5		J	ICPSD,MS/MSD,Pc	mg/Kg
200-2079-1	RBC10-01	Metals	Manganese	0.34	0.34		J	MS/MSD,Pc	mg/Kg
200-2079-1	RBC10-01	Metals	Zinc	12.8	1.7		J	MS/MSD	mg/Kg
200-2079-1	RBC10-01	Metals	Magnesium	282	85.5		J	Cc,ICPSD	mg/Kg
200-2079-1	RBC10-01	Metals	Potassium	4070	85.5		J	Cc,Pc	mg/Kg
200-2079-1	RBC10-01	Metals	Sodium	654	85.5		J	Cc,ICPSD,MS/MSD	mg/Kg
200-2079-1	RFF10-04	Metals	Calcium	13600	90.9		J	ICPSD,MS/MSD,Pc	mg/Kg
200-2079-1	RFF10-04	Metals	Manganese	2.1	0.36		J	MS/MSD,Pc	mg/Kg
200-2079-1	RFF10-04	Metals	Zinc	22.3	1.8		J	MS/MSD	mg/Kg
200-2079-1	RFF10-04	Metals	Magnesium	470	90.9		J	Cc,ICPSD	mg/Kg
200-2079-1	RFF10-04	Metals	Potassium	3230	90.9		J	Cc,Pc	mg/Kg
200-2079-1	RFF10-04	Metals	Sodium	1370	90.9		J	Cc,ICPSD,MS/MSD	mg/Kg
200-2079-1	RFF10-03	Metals	Calcium	9630	87.7		J	ICPSD,MS/MSD,Pc	mg/Kg
200-2079-1	RFF10-03	Metals	Manganese	1.9	0.35		J	MS/MSD,Pc	mg/Kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
200-2079-1	RFF10-03	Metals	Zinc	16.6	1.8		J	MS/MSD	mg/Kg
200-2079-1	RFF10-03	Metals	Magnesium	406	87.7		J	Cc,ICPSD	mg/Kg
200-2079-1	RFF10-03	Metals	Potassium	3220	87.7		J	Cc,Pc	mg/Kg
200-2079-1	RFF10-03	Metals	Sodium	1090	87.7		J	Cc,ICPSD,MS/MSD	mg/Kg
200-2079-1	RFF10-01	Metals	Calcium	12300	84		J	ICPSD,MS/MSD,Pc	mg/Kg
200-2079-1	RFF10-01	Metals	Manganese	2.3	0.34		J	MS/MSD,Pc	mg/Kg
200-2079-1	RFF10-01	Metals	Zinc	22.2	1.7		J	MS/MSD	mg/Kg
200-2079-1	RFF10-01	Metals	Magnesium	449	84		J	Cc,ICPSD	mg/Kg
200-2079-1	RFF10-01	Metals	Potassium	2940	84		J	Cc,Pc	mg/Kg
200-2079-1	RFF10-01	Metals	Sodium	1180	84		J	Cc,ICPSD,MS/MSD	mg/Kg
200-2079-1	RLB10-01	Metals	Calcium	1180	90.1		J	ICPSD,MS/MSD,Pc	mg/Kg
200-2079-1	RLB10-01	Metals	Zinc	6	1.8		J	MS/MSD	mg/Kg
200-2079-1	RLB10-01	Metals	Magnesium	298	90.1		J	Cc,ICPSD	mg/Kg
200-2079-1	RLB10-01	Metals	Potassium	3730	90.1		J	Cc,Pc	mg/Kg
200-2079-1	RLB10-01	Metals	Sodium	564	90.1		J	Cc,ICPSD,MS/MSD	mg/Kg
200-2079-1	RLB-10-02	Metals	Calcium	634	98		J	ICPSD,MS/MSD,Pc	mg/Kg
200-2079-1	RLB-10-02	Metals	Zinc	13.1	2		J	MS/MSD	mg/Kg
200-2079-1	RLB-10-02	Metals	Magnesium	270	98		J	Cc,ICPSD	mg/Kg
200-2079-1	RLB-10-02	Metals	Potassium	3500	98		J	Cc,Pc	mg/Kg
200-2079-1	RLB-10-02	Metals	Sodium	577	98		J	Cc,ICPSD,MS/MSD	mg/Kg
200-2079-1	EQBLKPT	Metals	Calcium	100	100	U	UJ	MS/MSD	mg/Kg
200-2079-1	EQBLKFT	Metals	Calcium	100	100	U	UJ	MS/MSD	mg/Kg
200-2079-1	FF10-07	Metals	Calcium	8830	86.2		J	ICPSD,MS/MSD,Pc	mg/Kg
200-2079-1	FF10-07	Metals	Iron	36.8	17.2		J	MS/MSD,Pc	mg/Kg
200-2079-1	FF10-07	Metals	Lead	0.25	0.17		J	Pc	mg/Kg
200-2079-1	FF10-07	Metals	Manganese	2.4	0.34		J	MS/MSD,Pc	mg/Kg
200-2079-1	FF10-07	Metals	Zinc	27.3	1.7		J	MS/MSD	mg/Kg
200-2079-1	FF10-07	Metals	Aluminum	14.7	6.9		J	MS/MSD,Pc	mg/Kg
200-2079-1	FF10-07	Metals	Magnesium	377	86.2		J	Cc,ICPSD	mg/Kg
200-2079-1	FF10-07	Metals	Potassium	2830	86.2		J	Cc,Pc	mg/Kg
200-2079-1	FF10-07	Metals	Sodium	872	86.2		J	Cc,ICPSD,MS/MSD	mg/Kg
200-2079-1	VG10-07	Metals	Calcium	3250	92.6		J	ICPSD,MS/MSD,Pc	mg/Kg
200-2079-1	VG10-07	Metals	Iron	34.1	18.5		J	MS/MSD,Pc	mg/Kg
200-2079-1	VG10-07	Metals	Lead	0.25	0.19		J	Pc	mg/Kg
200-2079-1	VG10-07	Metals	Manganese	20.4	0.37		J	MS/MSD,Pc	mg/Kg
200-2079-1	VG10-07	Metals	Zinc	5.6	1.9		J	MS/MSD	mg/Kg
200-2079-1	VG10-07	Metals	Aluminum	15.1	7.4		J	MS/MSD,Pc	mg/Kg
200-2079-1	VG10-07	Metals	Magnesium	484	92.6		J	Cc,ICPSD	mg/Kg
200-2079-1	VG10-07	Metals	Potassium	2530	92.6		J	Cc,Pc	mg/Kg
200-2079-1	VG10-07	Metals	Sodium	302	92.6		J	Cc,ICPSD,MS/MSD	mg/Kg
200-2079-1	VG10-15	Metals	Calcium	3890	90.9		J	ICPSD,MS/MSD,Pc	mg/Kg

Table 3-2. Summary of Qualified Data

SDG	Sample	Parameter	Analyte	Result	Method Reporting Limit	Lab Qualifier	DV Qualifier	DV Qualifier Reason	Units
200-2079-1	VG10-15	Metals	Iron	374	18.2		J	MS/MSD,Pc	mg/Kg
200-2079-1	VG10-15	Metals	Lead	1.6	0.18		J	Pc	mg/Kg
200-2079-1	VG10-15	Metals	Manganese	23.8	0.36		J	MS/MSD,Pc	mg/Kg
200-2079-1	VG10-15	Metals	Zinc	12.8	1.8		J	MS/MSD	mg/Kg
200-2079-1	VG10-15	Metals	Aluminum	220	7.3		J	MS/MSD,Pc	mg/Kg
200-2079-1	VG10-15	Metals	Magnesium	800	90.9		J	Cc,ICPSD	mg/Kg
200-2079-1	VG10-15	Metals	Potassium	5520	90.9		J	Cc,Pc	mg/Kg
200-2079-1	VG10-15	Metals	Sodium	267	90.9		J	Cc,ICPSD,MS/MSD	mg/Kg
200-2079-1	VG10-01	Metals	Calcium	2210	90.1		J	ICPSD,MS/MSD,Pc	mg/Kg
200-2079-1	VG10-01	Metals	Iron	308	18		J	MS/MSD,Pc	mg/Kg
200-2079-1	VG10-01	Metals	Lead	16.8	0.18		J	Pc	mg/Kg
200-2079-1	VG10-01	Metals	Manganese	5.8	0.36		J	MS/MSD,Pc	mg/Kg
200-2079-1	VG10-01	Metals	Aluminum	213	7.2		J	MS/MSD,Pc	mg/Kg
200-2079-1	VG10-01	Metals	Arsenic	0.18	0.18	U	UJ	IS	mg/Kg
200-2079-1	VG10-01	Metals	Magnesium	405	90.1		J	Cc,ICPSD	mg/Kg
200-2079-1	VG10-01	Metals	Potassium	816	90.1		J	Cc,Pc	mg/Kg
200-2079-1	VG10-01	Metals	Selenium	0.18	0.18	U	UJ	IS	mg/Kg
200-2079-1	VG10-01	Metals	Sodium	769	90.1		J	Cc,ICPSD,MS/MSD	mg/Kg
200-2079-1	VG10-01	Metals	Zinc	78.2	18		J	MS/MSD	mg/Kg
200-2079-1	VG10-14	Metals	Calcium	7400	81.3		J	ICPSD,MS/MSD,Pc	mg/Kg
200-2079-1	VG10-14	Metals	Iron	226	16.3		J	MS/MSD,Pc	mg/Kg
200-2079-1	VG10-14	Metals	Lead	4.4	0.16		J	Pc	mg/Kg
200-2079-1	VG10-14	Metals	Manganese	28.6	0.33		J	MS/MSD,Pc	mg/Kg
200-2079-1	VG10-14	Metals	Zinc	9	1.6		J	MS/MSD	mg/Kg
200-2079-1	VG10-14	Metals	Aluminum	102	13		J	MS/MSD,Pc	mg/Kg
200-2079-1	VG10-14	Metals	Magnesium	256	163		J	Cc,ICPSD	mg/Kg
200-2079-1	VG10-14	Metals	Potassium	1070	163		J	Cc,Pc	mg/Kg
200-2079-1	VG10-14	Metals	Sodium	432	163		J	Cc,ICPSD,MS/MSD	mg/Kg

APPENDIX H

FIELD LOG SHEETS
SLENDER PONDWEED SURVEY
SEPTEMBER 2009

CUMMINGS RITER



Photo H-1

Industrial Drainageway, looking upstream



Photo H-2

East shoreline
N42.14904
W76.82709



Photo H-3

East outlet
(SP09-002)
N42.14760
W76.82799

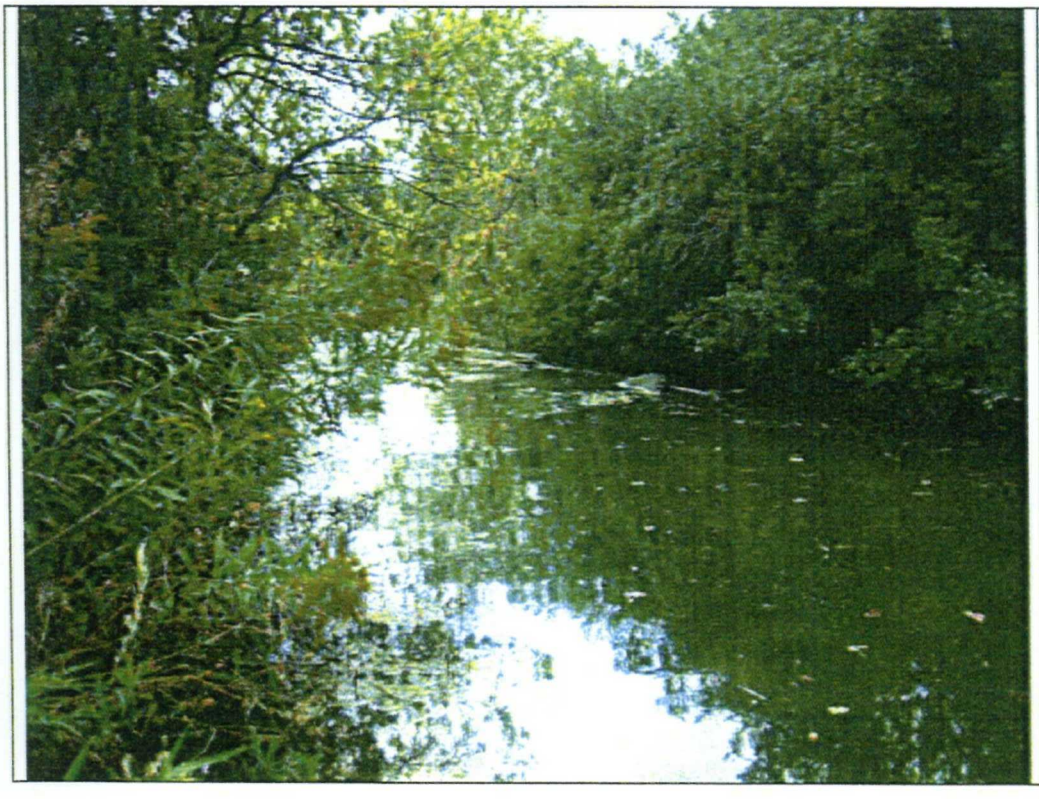


Photo H-4

East outlet
(SP09-001)
N42.14848
W76.82771



Photo H-5

Northeast shoreline
N42.14980
W76.82719



Photo H-6

Northeast shoreline
N42.15006
W76.82639



Photo H-7

Northwest backwater, near SP09-07
N42.15024
W76.83070



Photo H-8

South shoreline, near SP09-10
N42.14886
W76.82832



Photo H-9

Southwest shoreline, near SP09-05
N42.14838
W76.82979



Photo H-10

West shoreline, near SP09-06
N42.14960
W76.83015



Photo H-11

West shoreline, near SP09-09
N42.14963
W76.62950

Lake Name: Koppers Pond						Start Time: 10:25 am			Description Starting Point: East Outlet					Station	
Sampling Date: 9/16/2009						End Time: 1:40 pm			Lat: W76.82771			Long: N42.14848		Description	Comment
						Exotics/Target Plants			Native and Other Plants						
Station #	Sample #	Lat	Long	Depth (m)	Overall Plant Abundance	Northern Slender Pondweed (*Stuckenia filiformis v. alpinus*)			Coontail (*Ceratophyllum demersum*)	Duckweed (*Lemna minor*)					
5	1	W76.82979	N42.14838	0.76	S	Z			S	C				SP09-005	Pond location
6	1	W76.83016	N42.14960	0.46	S	Z			S	Z				SP09-006	Pond location
7	1	W76.83069	N42.15024	0.20	S	Z			S	Z				SP09-007	Pond location
8	1	W76.83023	N42.15142	0.30	S	Z			S	Z				SP09-008	Industrial drainageway
9	1	W76.82950	N42.14963	0.30	S	Z			S	Z				SP09-009	Pond location
10	1	W76.82832	N42.14886	0.61	S	Z			S	Z				SP09-010	Pond location
11	1	W76.82719	N42.14980	0.15	S	Z			S	Z				SP09-011	Pond location
12	1	W76.82639	N42.15006	0.46	S	Z			S	Z				SP09-012	Pond location
13	1	W76.82709	N42.14904	0.30	S	Z			S	Z				SP09-013	Pond location
Abundance Value: Z = Zero; T = Trace, S = Sparse; C = Common															
Additional Comments:			The CSLAP abundance codes were modified since a rake was not used for sample survey (see Technical Memorandum No. 1 for discussion).												
			Lat/Long values based on NAD83.												
			Station # was the GPS waypoint. The corresponding sample ID is shown under the description column.												

Table H-1. Field Macrophyte Survey Form for Koppers Pond and Industrial Drainageway

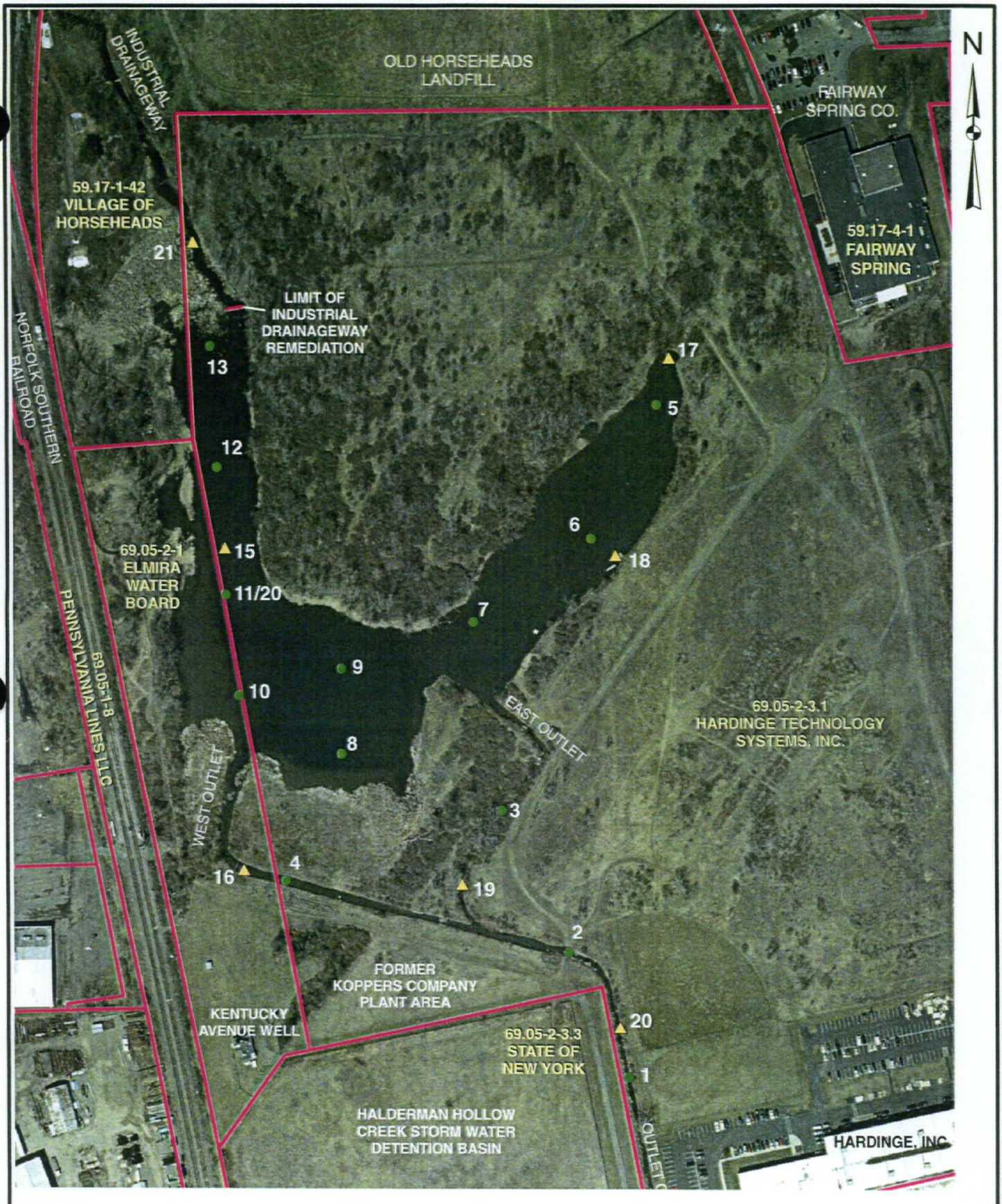
Lake Name: Koppers Pond Outlets						Start Time: 10:25 am			Description Starting Point: East Outlet					Station	
Sampling Date: 9/16/2009						End Time: 1:40 pm			Lat: W76.82771			Long: N42.14848		Description	Comment
						Exotics/Target Plants			Native and Other Plants						
Station #	Sample #	Lat	Long	Depth (m)	Overall Plant Abundance	Northern Slender Pondweed (*Stuckenia filiformis v. alpinus*)			Coontail (*Ceratophyllum demersum*)	Duckweed (*Lemna minor*)					
1	1	W76.82771	N42.14848	0.80	Z	Z			Z	Z				SP09-001	East outlet
2	1	W76.82799	N42.14760	0.15	Z	Z			Z	Z				SP09-002	East outlet
3	1	W76.82943	N42.14754	0.20	Z	Z			Z	Z				SP09-003	West outlet
4	1	W76.82993	N42.14776	0.15	Z	Z			Z	Z				SP09-004	West outlet
14	1	W76.82678	N42.14640	0.15	Z	Z			Z	Z				SP09-014	East outlet
Abundance Value: Z = Zero; T = Trace, S = Sparse; C = Common															
Additional Comments:			The CSLAP abundance codes were modified since a rake was not used for sample survey (see Technical Memorandum No. 1 for discussion).												
			Lat/Long values based on NAD83.												
			Station # was the GPS waypoint. The corresponding sample ID is shown under the description column.												

Table H-2. Field Macrophyte Survey Form for Koppers Pond East and West Outlets

APPENDIX I

SUMMARY OF KOPPERS POND AND OUTLET CHANNEL SEDIMENT DATA 1995/1998

CUMMINGS RITER



Approx. Property Line

Property lines and owners based on Chemung Co. Tax Maps.

Approx. Sample Location

- CDM (1998)
- Phillips (1994-95)

0 250 500 Feet

nheads-4.mxd

Prepared For: KOPPERS POND RI/FS GROUP

CUMMINGS RITER CONSULTANTS, INC.

FIGURE I-1
HISTORIC SEDIMENT SAMPLING LOCATIONS
KENTUCKY AVE. WELLFIELD SITE - OU4
HORSEHEADS, NEW YORK

Table I-1
Historical Sediment Sampling Data - Inorganics
Koppers Pond, Horseheads, New York

Parameter	Concentration (mg/kg) by Sample Location and Sampling Date						
	SD-15 06/03/94	SD-16 06/02/94	SD-17 06/03/94	SD-18 06/02/94	SD-19 06/01/94	SD-20 06/01/94	SD-15B 06/06/95
Aluminum	11,100	13,300	15,000	8,590	10,400	9,920	NA
Antimony	9.5 UJ	7.1 UJ	10.9 UJ	7.2 UJ	7.1 UJ	7.1 UJ	NA
Arsenic	1.9 J	7.2 J	10.9 UJ	4.3 J	7.5 UJ	5.5 J	NA
Barium	361	239	442	224	164	137	NA
Beryllium	0.95 U	0.71 U	1.1 U	0.72 U	0.71 U	1.0 B	NA
Cadmium	125 J	1.2 U	1.8 U	3.1	1.2 U	1.2 UJ	549 J
Calcium	33,200	2,440	15,700	17,200	8,330	6,530	NA
Chromium	151 J	18.8	63.1 J	39.3 J	19.0	17.1 J	357 J
Cobalt	11.1 B	12.7	17.1 B	10.3 B	14.5	11.7 B	NA
Copper	247 J	16.6	59.1 J	60.8 J	17.4	19.9 J	NA
Iron	21,200	30,800	38,100	23,500	28,300	23,400	NA
Lead	93	10.5 J	33.8 J	12.8 J	12.7 J	15.8 J	148 J
Magnesium	3,880	3,850	5,900	4,400	3,670	4,580	NA
Manganese	137 J	721 J	1,470 J	337 J	421 J	448 J	NA
Mercury	0.51	0.12 U	0.16 U	0.12 U	0.11 U	0.11 U	1.53 J
Nickel	125	26.5	80.6	43.8	25.3	24.2	NA
Potassium	1,220	525 J	1,370 J	791 J	577 J	513 J	NA
Selenium	0.95 U	0.68 UJ	1.10 U	0.72 UJ	0.75 UJ	0.74 UJ	NA
Silver	6.7 J	0.05 U	3.60 UJ	0.05 U	0.05 U	0.05 U	NA
Sodium	479 B	304 B	445 B	293 B	285 B	274 B	NA
Thallium	1.9 U	1.4 U	2.2 UJ	1.4 UJ	1.5 U	1.5 U	NA
Vanadium	33.7 J	20.4 J	28.3 J	14.7	17.7	14.8	NA
Zinc	1,000 J	79.9 J	197 J	160 J	72.1 J	96.3 J	NA
Total Cyanide	R	R	R	R	R	R	NA

See notes at end of table.

Table I-1
Historical Sediment Sampling Data - Inorganics
Koppers Pond, Horseheads, New York

Parameter	Concentration (mg/kg) by Sample Location and Sampling Date						
	SD-16B 06/08/95	SD-17B 06/06/95	SD-18B 06/06/95	SD-19B 06/05/95	SD-20B 06/05/95	SD-01 08/17/98	SD-02 08/18/98
Aluminum	NA	NA	NA	NA	NA	8,460	7,730 J
Antimony	NA	NA	NA	NA	NA	1.10 B	6.2 BJ
Arsenic	NA	NA	NA	NA	NA	3.60	5.7 BJ
Barium	NA	NA	NA	NA	NA	203	536 J
Beryllium	NA	NA	NA	NA	NA	0.72 B	0.91 BJ
Cadmium	13.2	2.24 J	52.5 J	28.9 J	29.9 J	7.0	54.1 J
Calcium	NA	NA	NA	NA	NA	16,000 *	146,000 *J
Chromium	36.5 J	35.4	189 J	97.6 J	58.8 J	40.7	159 J
Cobalt	NA	NA	NA	NA	NA	8.4 B	7.9 BJ
Copper	NA	NA	NA	NA	NA	34.9	176 J
Iron	NA	NA	NA	NA	NA	18,900	12,600 J
Lead	101	31.5	102 J	164 J	159 J	91.6	393 J
Magnesium	NA	NA	NA	NA	NA	3,480	4,370 BJ
Manganese	NA	NA	NA	NA	NA	261	115 J
Mercury	0.120	0.122	0.877 J	0.181 J	0.148 J	0.08 UJ	0.25 UJ
Nickel	NA	NA	NA	NA	NA	27.7	97.3 J
Potassium	NA	NA	NA	NA	NA	428 B	764 BJ
Selenium	NA	NA	NA	NA	NA	1.5 BNJ	3.8 BNJ
Silver	NA	NA	NA	NA	NA	0.72 B	6.4 BJ
Sodium	NA	NA	NA	NA	NA	237 B	658 BJ
Thallium	NA	NA	NA	NA	NA	1.2 UJ	3.8 UJ
Vanadium	NA	NA	NA	NA	NA	12.3 B	9.5 BJ
Zinc	NA	NA	NA	NA	NA	216	1,010 J
Total Cyanide	NA	NA	NA	NA	NA	0.29 U	0.35 UJ

See notes at end of table .

Table I-1
Historical Sediment Sampling Data - Inorganics
Koppers Pond, Horseheads, New York

Parameter	Concentration (mg/kg) by Sample Location and Sampling Date						
	SD-03 08/18/98	SD-04 08/18/98	SD-05 08/18/98	SD-06 08/19/98	SD-07 08/19/98	SD-08 08/20/98	SD-08 (0-3) 08/20/98
Aluminum	9,730 J	5,850	6,760 J	4,840 J	5,040 J	5,850 EJ	7,380 EJ
Antimony	1.8 BJ	0.95 B	14.5 BJ	6.3 BJ	1.6 UJ	3.2 BNJ	11.5 BNJ
Arsenic	5.3 J	4.9	4.1 UJ	4.8 BJ	1.9 UJ	2.7 UNJ	3.7 UNJ
Barium	251 J	77.9	565 J	510 J	346 J	393 ENJ	739 ENJ
Beryllium	0.6 BJ	0.48 B	0.87 BJ	0.76 BJ	0.45 BJ	0.16 UNJ	0.48 BNJ
Cadmium	9 J	1.3 B	52.8 J	59.9 J	82 J	238 EJ	214 EJ
Calcium	18,100 *J	31,600 *	147,000 *J	175,000 *J	63,400 *J	77,400 EJ	180,000 EJ
Chromium	34.9 J	22.7	142 J	164 J	98 J	164 EJ	197 EJ
Cobalt	7.9 BJ	5.9 B	6.2 BJ	7.3 BJ	7.7 J	7.1 BNJ	7.1 BNJ
Copper	32.7 J	19.5	135 J	179 J	130 J	282 EJ	294 EJ
Iron	19,200 J	15,100	12,500 J	9,630 J	9,860 J	7,850 EJ	10,700 EJ
Lead	93.1 J	31.2	532 J	427 J	234 J	355 EJ	617 EJ
Magnesium	2,660 J	4,810	5,670 BJ	3,900 BJ	2,250 J	2,410 BEJ	3,730 BEJ
Manganese	245 J	288	126 J	101 J	96.5 J	69 ENJ	111 ENJ
Mercury	0.10 UJ	0.07 UJ	0.29 UJ	0.23 UJ	0.12 UJ	1.2 *J	0.74 *J
Nickel	22.7 J	18.5	60.5 J	90.1 J	90.8 J	R	R
Potassium	629 BJ	366 B	702 BJ	513 BJ	415 BJ	742 BEJ	1,080 BEJ
Selenium	1.5 UNJ	1.0 UNJ	4.4 UNJ	3.3 UNJ	2.0 UNJ	2.9 UNJ	3.9 UNJ
Silver	1.1 BJ	0.28 U	6.9 BJ	6.7 BJ	4.5 BJ	11.4 J	13.7 J
Sodium	244 BJ	160 B	955 BJ	809 BJ	442 BJ	517 BJ	945 BJ
Thallium	1.5 UJ	1.1 B	4.5 UJ	3.4 UJ	2.1 UJ	3.0 UNJ	4 UNJ
Vanadium	14.2 BJ	10.0 B	9.7 BJ	6.4 BJ	6.7 BJ	11.6 BNJ	10.6 BNJ
Zinc	244 J	101	1,130 J	1,020 J	1,300 J	3,500 EJ	3,400 EJ
Total Cyanide	0.14 UJ	0.10 U	0.56 BJ	0.32 UJ	0.19 UJ	1.2 BJ	347 J

See notes at end of table .

Table I-1
Historical Sediment Sampling Data - Inorganics
Koppers Pond, Horseheads, New York

Parameter	Concentration (mg/kg) by Sample Location and Sampling Date						
	SD-08 (3-9) 08/20/98	SD-08 (9-12) 08/20/98	SD-08 (12-17) 08/20/98	SD-09 08/20/98	SD-09 (0-6) 08/20/98	SD-09 (6-12) 08/20/98	SD-10 08/19/98
Aluminum	8,860 EJ	12,600 J	20,500 EJ	10,000 EJ	NA	NA	9,900 J
Antimony	2.0 UNJ	2.0 UJ	1.3 UNJ	3.8 BNJ	NA	NA	NA
Arsenic	3.9 BNJ	6.0 BJ	4.4 NJ	NA	NA	NA	NA
Barium	546 ENJ	340 J	306 ENJ	558 ENJ	NA	NA	473 J
Beryllium	0.24 BNJ	0.83 BJ	1.1 BNJ	0.27 BNJ	NA	NA	NA
Cadmium	418 EJ	34 J	0.84 BEJ	304 EJ	NA	NA	135 J
Calcium	115,000 EJ	21,900 *J	6,580 EJ	NA	NA	NA	NA
Chromium	311 EJ	140 J	R	231 EJ	NA	NA	329 J
Cobalt	13.2 BNJ	12.2 BJ	8.0 BNJ	10.8 BNJ	NA	NA	10.1 BJ
Copper	570 EJ	207 J	37.1 EJ	371 EJ	NA	NA	354 J
Iron	12,700 EJ	19,100 J	18,500 EJ	NA	NA	NA	NA
Lead	378 EJ	52.9 J	18.8 EJ	509 EJ	NA	NA	459 J
Magnesium	3,750 EJ	3,480 J	3,770 EJ	NA	NA	NA	NA
Manganese	100 ENJ	122 J	123 ENJ	NA	NA	NA	NA
Mercury	1.2 *J	0.07 UJ	0.44 *J	0.38 *J	NA	NA	NA
Nickel	210 NJ	R	R	NA	NA	NA	156 J
Potassium	975 BEJ	1,060 BJ	1,460 BEJ	NA	NA	NA	NA
Selenium	2.5 UNJ	3.6 NJ	1.7 BJ	NA	NA	NA	NA
Silver	16.1 J	4.5 BJ	0.42 UNJ	15.6 J	NA	NA	9.3 BJ
Sodium	522 BJ	499 BJ	339 BJ	NA	NA	NA	NA
Thallium	2.6 UNJ	2.5 UJ	1.6 UNJ	NA	NA	NA	NA
Vanadium	17.3 BNJ	18.6 BJ	23.3 NJ	18 BNJ	NA	NA	12.1 BJ
Zinc	5,450 EJ	369 J	R	4,470 EJ	NA	NA	2,120 J
Total Cyanide	0.94 BJ	0.23 UJ	1.5 J	0.5 BJ	NA	NA	NA

See notes at end of table .

Table I-1
Historical Sediment Sampling Data - Inorganics
Koppers Pond, Horseheads, New York

Parameter	Concentration (mg/kg) by Sample Location and Sampling Date						
	SD-11 08/20/98	SD-12 (0-6) 08/19/98	SD-12 (6-12) 08/19/98	SD-12 (12-18) 08/19/98	SD-12 (18-21) 08/19/98	SD-13 08/19/98	SD-20 8/201998
Aluminum	NA	8,320 J	5,480 J	4,600 J	11,300 J	6,180 J	7,300 EJ
Antimony	NA	3.1 BJ	2.9 BJ	2.7 BJ	2.2 BJ	10.4 BJ	3.6 BNJ
Arsenic	NA	6.1 BJ	4.1 BJ	5.4 BJ	5.4 BJ	7.8 BJ	4.3 BNJ
Barium	NA	680 J	485 J	326 J	1,490 J	684 J	522 ENJ
Beryllium	NA	0.6 BJ	0.41 BJ	0.6 BJ	1.1 BJ	0.47 BJ	0.15 UNJ
Cadmium	NA	583 J	647 J	749 J	44.9 J	415 J	502 EJ
Calcium	NA	128,000 *J	120,000 *J	133,000 *J	25200 *J	125,000 *J	110,000 EJ
Chromium	NA	330 J	245 J	460 J	144 J	342 J	246 EJ
Cobalt	NA	10.4 BJ	10.4 BJ	18.6 BJ	13.5 BJ	7.2 BJ	8.6 BNJ
Copper	NA	694 J	680 J	960 J	212 J	544 J	541 EJ
Iron	NA	11,700 J	9,230 J	11,400 J	16700 J	10,700 J	9,240 EJ
Lead	NA	1440 J	729 J	349 J	61 J	2210 J	734 EJ
Magnesium	NA	4,220 J	3,490 J	4,120 J	3280 J	3,690 BJ	3,520 BEJ
Manganese	NA	109 J	82 J	97 J	118 J	99 J	84 ENJ
Mercury	NA	0.64 J	0.17 UJ	0.77 J	0.40 J	0.23 UJ	1.0 J
Nickel	NA	142 J	143 J	395 J	147 J	155 J	R
Potassium	NA	780 BJ	438 BJ	404 BJ	997 BJ	569 BJ	1,100 BEJ
Selenium	NA	2.9 UNJ	2.6 UNJ	2.1 UNJ	3.1 NJ	3.4 UNJ	2.7 UJ
Silver	NA	38 J	27.5 J	23.1 J	6.3 J	39.6 J	25.6 J
Sodium	NA	744 BJ	589 BJ	576 BJ	604 BJ	863 BJ	633 BJ
Thallium	NA	3.0 UJ	2.6 UJ	2.1 UJ	2.5 BJ	3.5 UJ	2.8 UNJ
Vanadium	NA	11.3 BJ	7.7 BJ	10.5 BJ	16 BJ	8.7 BJ	22.1 BNJ
Zinc	NA	12,500 J	12,300 J	9,690 J	357 J	6,820 J	6,680 EJ
Total Cyanide	NA	0.27 UJ	0.24 UJ	0.2 UJ	0.36 BJ	0.33 UJ	0.26 UJ

See notes at end of table .

Table I-1
Historical Sediment Analytical Data
Koppers Pond, Horseheads, New York

1. *Operable Unit 3 RI data are from Philip Environmental (March 1996).*
   1998 data are from CDM (February 1999).
2. *For sampling locations, see Figure 3.*
3. *For clarity, all detections are shown in* ***bold-face type*** *.*
4. *"NA" indicates data not available due to missing page in CDM (February 1999) report.*
5. *All results are reported on a dry-weight basis.*
6. *Inorganic data qualifiers:*
   U - not detected at indicated reporting limit.
   B - detected concentration below quantitation limit but above instrument detection limit.
   N - matrix spike/matrix spike duplicate (MS/MSD) recoveries outside control limits.
   J - constituent also detected in corresponding method blank.
   ** - the relative percent difference (RPD) of the MS/MSD recovered outside control limits.*
   E- reported concentration is estimated due to matrix interference.
   R - data rejected in validation.

Table I-2
Historical Sediment Analytical Data - VOCs and SVOCs
Koppers Pond, Horseheads, New York

Parameter	Concentration (ug/kg) by Sample Location and Sampling Date						
	SD-15 06/03/94	SD-16 06/02/94	SD-17 06/03/94	SD-18 06/02/94	SD-19 06/01/94	SD-20 06/01/94	SD-15B 06/06/95
Volatile Organic Compounds							
Carbon disulfide	**7 J**	12 UJ	**5 J**	13 UJ	12 U	12 U	NA
Methylene chloride	**45 BJ**	38 UJ	43 UJ	34 UJ	15 J	12 UJ	NA
Toluene	15 U	12 U	15 U	13 U	12 U	**5 J**	NA
Semi-Volatile Organic Compounds							
Acenaphthene	490 U	400 U	**210 J**	420 U	400 U	390 U	891 UJ
Anthracene	490 U	400 U	**170 J**	420 U	400 U	390 U	891 UJ
Benzo(a)anthracene	**33 J**	400 U	**140 J**	420 U	**23 J**	390 U	891 UJ
Benzo(a)pyrene	**47 J**	400 U	**110 J**	420 U	400 U	390 U	**200 J**
Benzo(b)fluoranthene	**40 J**	400 U	**150 J**	420 U	400 U	390 U	**350 J**
Benzo(ghi)perylene	**28 J**	400 U	**68 J**	420 U	400 U	390 U	**200 J**
Benzo(k)fluoranthene	**44 J**	400 U	**180 J**	420 U	400 U	390 U	891 UJ
bis(2-Ethylhexyl) phthalate	**100 J**	400 U	**35 J**	**29 J**	400 U	**29 J**	891 UJ
Carbazole	490 U	400 U	**40 J**	420 U	400 U	390 U	NA
Chrysene	**58 J**	400 U	**260 J**	**22 J**	400 U	390 U	**280 J**
Dibenzofuran	490 U	400 U	**140 J**	420 U	400 U	390 U	891 UJ
Di-n-butyl phthalate	**68 J**	**22 J**	490 U	**26 J**	400 U	390 U	891 UJ
Fluoranthene	**100 J**	400 U	**740**	**33 J**	400 U	390 U	**530 J**
Fluorene	490 U	400 U	**250 J**	420 U	400 U	390 U	891 UJ
Indeno(1,2,3-cd)pyrene	490 U	400 U	**61 J**	420 U	400 U	390 U	**130 J**
Naphthalene	490 U	400 U	**36 J**	420 U	400 U	390 U	891 UJ
Phenanthrene	**43 J**	400 U	**190 J**	420 U	400 U	390 U	891 UJ
Pyrene	**63 J**	400 U	**440 J**	**25 J**	400 U	390 U	891 UJ

See notes at end of table.

Table I-2
Historical Sediment Analytical Data - VOCs and SVOCs
Koppers Pond, Horseheads, New York

Parameter	Concentration (ug/kg) by Sample Location and Sampling Date				
	SD-16B 06/08/95	**SD-17B 06/06/95**	**SD-18B 06/06/95**	**SD-19B 06/05/95**	**SD-20B 06/05/95**
Volatile Organic Compounds					
Carbon disulfide	NA	NA	NA	NA	NA
Methylene chloride	NA	NA	NA	NA	NA
Toluene	NA	NA	NA	NA	NA
Semi-Volatile Organic Compounds					
Acenaphthene	597 U	559 U	917 U	1,270 U	750 U
Anthracene	597 U	559 U	917 U	1,270 U	750 U
Benzo(a)anthracene	597 U	559 U	917 U	1,270 U	**300 J**
Benzo(a)pyrene	**87 J**	559 U	917 U	**190 J**	**300 J**
Benzo(b)fluoranthene	**170 J**	559 U	**170 J**	**400 J**	**520 J**
Benzo(ghi)perylene	**69 J**	559 U	917 U	**160 J**	**230 J**
Benzo(k)fluoranthene	597 U	**90 J**	917 U	1,270 U	750 U
bis(2-Ethylhexyl) phthalate	597 U	559 U	**110 J**	**180 J**	750 U
Carbazole	NA	NA	NA	NA	750 U
Chrysene	**110 J**	559 U	917 U	**270 J**	**410 J**
Dibenzofuran	597 U	559 U	917 U	1,270 U	750 U
Di-n-butyl phthalate	597 U	559 U	917 U	**140 J**	**79 J**
Fluoranthene	**280 J**	**62 J**	**200 J**	**350 J**	**610 J**
Fluorene	597 U	559 U	917 U	1,270 U	750 U
Indeno(1,2,3-cd)pyrene	597 U	559 U	917 U	1,270 U	**200 J**
Naphthalene	597 U	559 U	917 U	1,270 U	750 U
Phenanthrene	**97 J**	559 U	917 U	1,270 U	**370 J**
Pyrene	**160 J**	**64 J**	**170 J**	**490 J**	**750 J**

See notes at end of table.

Table I-2
Historical Sediment Analytical Data - VOCs and SVOCs
Koppers Pond, Horseheads, New York

1. *Operable Unit 3 RI data are from Philip Environmental (March 1996).*
2. *Only analytes detected in one or more samples are listed. Other VOC and SVOC analytes were not detected in any sediment sample above reporting limits.*
3. *For sampling locations, see Figure 3.*
4. *For clarity, all detections are shown in* ***bold-face type****.*
5. *"NA" indicates sample not analyzed for this compound.*
6. *All results are reported on a dry-weight basis.*
7. *Organic data qualifiers:*
   - *U - not detected at indicated detection limit*
   - *J - analyte detected, but concentration is an estimated value because the result is less than the quantitation limit or quality control criteria were not met.*
   - *B - constituent also detected in corresponding method blank*

Table I-3
Historical Sediment Analytical Data - Pesticides and PCBs
Koppers Pond, Horseheads, New York

Parameter	Concentration by Sample Location and Sampling Date						
	SD-15 06/03/94	SD-16 06/02/94	SD-17 06/03/94	SD-18 06/02/94	SD-19 06/01/94	SD-20 06/01/94	SD-15B 06/06/95
Pesticides (ug/kg)							
4,4'-DDD	4.9 U	4.0 U	4.9 U	4.2 U	4.0 U	3.9 U	86.2 UJ
4,4'-DDE	4.9 U	4.0 U	4.9 U	**1.7 J**	4.0 U	3.9 U	86.2 UJ
4,4'-DDT	4.9 U	4.0 U	4.9 U	**0.62 JP**	4.0 U	3.9 U	86.2 UJ
Aldrin	2.5 U	2.1 U	2.5 U	2.2 U	2.1 U	2.0 U	43.1 UJ
Alpha-chlordane	2.5 U	2.1 U	2.5 U	**0.38 JP**	2.1 U	2.0 U	431 UJ
Delta-BHC	2.5 U	2.1 U	2.5 U	2.2 U	2.1 U	2.0 U	43.1 UJ
Dieldrin	4.9 U	4.0 U	4.9 U	4.2 U	4.0 U	3.9 U	86.2 UJ
Endosulfan II	4.9 U	4.0 U	4.9 U	**0.94 JP**	4.0 U	3.9 U	86.2 UJ
Endrin	4.9 U	4.0 U	4.9 U	**0.55 JP**	4.0 U	3.9 U	86.2 UJ
Endrin aldehyde	4.9 U	4.0 U	4.9 U	4.2 U	4.0 U	3.9 U	86.2 UJ
Endrin ketone	4.9 U	4.0 U	4.9 U	**1.5 J**	4.0 U	3.9 U	86.2 UJ
Gamma-chlordane	2.5 U	2.1 U	2.5 U	**1.1 JP**	2.1 U	2.0 U	431 UJ
Heptachlor	2.5 U	2.1 U	2.5 U	2.2 U	2.1 U	2.0 U	43.1 UJ
Heptachlor epoxide	2.5 U	2.1 U	2.5 U	**0.54 JP**	2.1 U	2.0 U	43.1 UJ
Lindane	2.5 U	2.1 U	2.5 U	2.2 U	2.1 U	2.0 U	43.1 UJ
Polychlorinated Biphenyls (ug/kg)							
Aroclor 1248	49 U	40 U	**150**	**5.6**	40 U	39 U	431 UJ
Aroclor 1254	**1,300**	40 U	**470**	**110**	40 U	39 U	**1,100 J**
Aroclor 1260	**310**	40 U	**170 P**	**51 P**	40 U	39 U	862 UJ
Total Organic Carbon (mg/kg)	NA	NA	NA	NA	NA	NA	NA

Table I-3
Historical Sediment Analytical Data - Pesticides and PCBs
Koppers Pond, Horseheads, New York

Parameter	Concentration by Sample Location and Sampling Date						
	SD-16B 06/08/95	SD-17B 06/06/95	SD-18B 06/06/95	SD-19B 06/05/95	SD-20B 06/05/95	SD-01 08/17/98	SD-02 08/18/98
Pesticides (ug/kg)							
4,4'-DDD	**5.6 J**	54.6 UJ	91.3 UJ	**4.6 J**	**13 J**	4.3 UJ	**4.1 NJ**
4,4'-DDE	57.7 U	54.6 U	91.3 UJ	125 UJ	73.5 UJ	4.3 UJ	4.6 UJ
4,4'-DDT	57.7 U	54.6 U	91.3 UJ	125 UJ	73.5 UJ	4.3 UJ	**5.0 NJ**
Aldrin	28.9 U	27.3 U	45.6 UJ	62.5 UJ	36.8 UJ	2.2 UJ	2.4 UJ
Alpha-chlordane	289 U	273 U	456 UJ	625 UJ	368 UJ	2.2 UJ	2.4 UJ
Delta-BHC	28.9 U	27.3 U	45.6 UJ	62.5 UJ	36.8 UJ	**2.7 U**	2.4 UJ
Dieldrin	57.7 U	54.6 U	91.3 UJ	125 UJ	73.5 UJ	4.3 UJ	4.6 UJ
Endosulfan II	57.7 U	54.6 U	91.3 UJ	125 UJ	73.5 UJ	4.3 UJ	4.6 UJ
Endrin	57.7 UJ	54.6 UJ	91.3 UJ	125 UJ	73.5 UJ	4.3 UJ	4.6 UJ
Endrin aldehyde	57.7 UJ	54.6 UJ	91.3 UJ	125 UJ	73.5 UJ	4.3 UJ	**3.2 NJ**
Endrin ketone	57.7 U	54.6 U	91.3 UJ	125 UJ	73.5 UJ	4.3 UJ	4.6 UJ
Gamma-chlordane	289 U	273 U	456 UJ	625 UJ	368 UJ	2.2 UJ	**0.99 J**
Heptachlor	28.9 U	27.3 U	45.6 UJ	62.5 UJ	36.8 UJ	2.2 UJ	2.4 UJ
Heptachlor epoxide	28.9 U	27.3 U	45.6 UJ	62.5 UJ	36.8 UJ	2.2 UJ	2.4 UJ
Lindane	28.9 U	27.3 U	45.6 UJ	62.5 UJ	36.8 UJ	2.2 UJ	2.4 UJ
Polychlorinated Biphenyls (ug/kg)							
Aroclor 1248	289 U	273 U	456 UJ	625 UJ	368 UJ	43 UJ	46 UJ
Aroclor 1254	577 U	**170 J**	**1,200 J**	1,250 UJ	735 UJ	43 UJ	46 UJ
Aroclor 1260	577 U	546 U	913 UJ	1250 UJ	735 UJ	43 UJ	46 UJ
Total Organic Carbon (mg/kg)	NA	NA	NA	NA	NA	**48,010**	**27,100**

Table I-3
Historical Sediment Analytical Data - Pesticides and PCBs
Koppers Pond, Horseheads, New York

Parameter	Concentration by Sample Location and Sampling Date						
	SD-03 08/18/98	SD-04 08/18/98	SD-05 08/18/98	SD-06 08/19/98	SD-07 08/19/98	SD-08 08/20/98	SD-08 (0-3) 08/20/98
Pesticides (ug/kg)							
4,4'-DDD	17 UJ	R	15 UJ	140 UJ	97 UJ	130 UJ	160 UJ
4,4'-DDE	17 UJ	5.5 UJ	15 UJ	140 UJ	97 UJ	130 UJ	160 UJ
4,4'-DDT	R	**22 J**	**38 J**	140 UJ	97 UJ	**170 J**	**270 J**
Aldrin	8.9 UJ	2.8 UJ	7.8 UJ	71 UJ	50 UJ	65 UJ	85 UJ
Alpha-chlordane	8.9 UJ	2.8 UJ	7.8 UJ	71 UJ	50 UJ	**54 J**	**160 J**
Delta-BHC	**9.5 J**	2.8 UJ	7.8 UJ	71 UJ	50 UJ	65 UJ	85 UJ
Dieldrin	17 UJ	5.5 UJ	15 UJ	140 UJ	97 UJ	130 UJ	160 UJ
Endosulfan II	17 UJ	5.5 UJ	**9 J**	140 UJ	97 UJ	130 UJ	160 UJ
Endrin	17 UJ	5.5 UJ	**6.5 J**	140 UJ	97 UJ	**90 J**	160 UJ
Endrin aldehyde	17 UJ	**5.1 NJ**	15 UJ	140 UJ	97 UJ	130 UJ	**40 NJ**
Endrin ketone	17 UJ	5.5 UJ	15 UJ	140 UJ	97 UJ	130 UJ	160 UJ
Gamma-chlordane	**11 J**	**3.2 J**	7.8 UJ	71 UJ	50 UJ	**100 J**	**240 J**
Heptachlor	**7.8 J**	2.8 UJ	7.8 UJ	71 UJ	50 UJ	65 UJ	85 UJ
Heptachlor epoxide	8.9 UJ	**1.9 J**	7.8 UJ	71 UJ	50 UJ	65 UJ	85 UJ
Lindane	8.9 UJ	2.8 UJ	7.8 UJ	71 UJ	50 UJ	65 UJ	85 UJ
Polychlorinated Biphenyls (ug/kg)							
Aroclor 1248	170 UJ	55 UJ	150 UJ	1,400 UJ	970 UJ	1,300 UJ	1,600 UJ
Aroclor 1254	170 UJ	55 UJ	150 UJ	**410 J**	**220 J**	**1,500 J**	**2,900 J**
Aroclor 1260	170 UJ	55 UJ	150 UJ	1,400 UJ	970 UJ	1,300 UJ	1,600 UJ
Total Organic Carbon (mg/kg)	**101,800**	**40,370**	**101,300**	**106,500**	**96,870**	**101,800**	NA

Table I-3
Historical Sediment Analytical Data - Pesticides and PCBs
Koppers Pond, Horseheads, New York

Parameter	Concentration by Sample Location and Sampling Date						
	SD-08 (3-9) 08/20/98	SD-08 (9-12) 08/20/98	SD-08 (12-17) 08/20/98	SD-09 08/20/98	SD-09 (0-6) 08/20/98	SD-09 (6-12) 08/20/98	SD-10 08/19/98
Pesticides (ug/kg)							
4,4'-DDD	100 UJ	100 UJ	69 UJ	120 UJ	110 UJ	72 UJ	180 UJ
4,4'-DDE	100 UJ	**110 NJ**	69 UJ	120 UJ	110 UJ	72 UJ	180 UJ
4,4'-DDT	**190 J**	**570 J**	**45 J**	**120 J**	110 UJ	**100 J**	180 UJ
Aldrin	53 UJ	52 UJ	35 UJ	61 UJ	**28 J**	37 UJ	94 UJ
Alpha-chlordane	**53 J**	**170 J**	35 UJ	**40 J**	59 UJ	**33 J**	94 UJ
Delta-BHC	53 UJ	52 UJ	35 UJ	61 UJ	59 UJ	37 UJ	94 UJ
Dieldrin	100 UJ	**38 J**	69 UJ	120 UJ	110 UJ	72 UJ	180 UJ
Endosulfan II	100 UJ	**250 J**	69 UJ	120 UJ	110 UJ	72 UJ	180 UJ
Endrin	**89 J**	**260 J**	**24 J**	**71 J**	**90 J**	**57 J**	180 UJ
Endrin aldehyde	**68 NJ**	100 UJ	69 UJ	120 UJ	110 UJ	**40 NJ**	180 UJ
Endrin ketone	**92 NJ**	100 UJ	69 UJ	120 UJ	110 UJ	72 UJ	180 UJ
Gamma-chlordane	**120 J**	**250 J**	**28 J**	**80 J**	59 UJ	**76 J**	94 UJ
Heptachlor	53 UJ	52 UJ	35 UJ	61 UJ	**48 J**	37 UJ	94 UJ
Heptachlor epoxide	53 UJ	52 UJ	35 UJ	61 UJ	59 UJ	37 UJ	94 UJ
Lindane	53 UJ	52 UJ	35 UJ	61 UJ	**39 J**	37 UJ	94 UJ
Polychlorinated Biphenyls (ug/kg)							
Aroclor 1248	1,000 UJ	1,000 UJ	690 UJ	1,200 UJ	1,100 UJ	720 UJ	1,800 UJ
Aroclor 1254	**1,500 J**	**4,100 J**	**400 J**	**1,100 J**	**320 J**	**320 J**	**730 J**
Aroclor 1260	1,000 UJ	1,000 UJ	690 UJ	1,200 UJ	1,100 UJ	720 UJ	1,800 UJ
Total Organic Carbon (mg/kg)	NA	NA	NA	**103,200**	NA	NA	**205,800**

Table I-3
Historical Sediment Analytical Data - Pesticides and PCBs
Koppers Pond, Horseheads, New York

Parameter	Concentration by Sample Location and Sampling Date							
	SD-11 08/20/98	SD-12 08/19/98	SD-12 (0-6) 08/19/98	SD-12 (6-12) 08/19/98	SD-12 (12-18) 08/19/98	SD-12 (18-21) 08/19/98	SD-13 08/19/98	SD-20 8/201998
Pesticides (ug/kg)								
4,4'-DDD	110 UJ	110 UJ	120 UJ	100 UJ	89 UJ	100 UJ	120 UJ	110 UJ
4,4'-DDE	110 UJ	110 UJ	120 UJ	100 UJ	89 UJ	100 UJ	120 UJ	110 UJ
4,4'-DDT	**110 J**	**140 J**	120 UJ	**140 J**	89 UJ	100 UJ	**140 J**	**480 J**
Aldrin	57 UJ	57 UJ	**33 J**	52 UJ	46 UJ	52 UJ	63 UJ	57 UJ
Alpha-chlordane	**36 J**	**42 J**	61 UJ	**38 J**	46 UJ	52 UJ	63 UJ	**180 J**
Delta-BHC	57 UJ	57 UJ	61 UJ	52 UJ	46 UJ	52 UJ	63 UJ	57 UJ
Dieldrin	110 UJ	110 UJ	120 UJ	100 UJ	89 UJ	100 UJ	120 UJ	110 UJ
Endosulfan II	110 UJ	110 UJ	120 UJ	100 UJ	89 UJ	100 UJ	120 UJ	110 UJ
Endrin	**62 J**	**72 J**	**100 J**	**70 J**	89 UJ	100 UJ	120 UJ	**280 J**
Endrin aldehyde	110 UJ	**47 NJ**	120 UJ	100 UJ	89 UJ	100 UJ	120 UJ	110 UJ
Endrin ketone	110 UJ	110 UJ	120 UJ	100 UJ	89 UJ	100 UJ	120 UJ	**62 NJ**
Gamma-chlordane	**83 J**	**98 J**	61 UJ	**87 J**	46 UJ	52 UJ	**87 NJ**	**280 J**
Heptachlor	57 UJ	57 UJ	**56 J**	52 UJ	46 UJ	52 UJ	63 UJ	57 UJ
Heptachlor epoxide	57 UJ	57 UJ	61 UJ	52 UJ	46 UJ	52 UJ	63 UJ	57 UJ
Lindane	57 UJ	57 UJ	**45 J**	52 UJ	46 UJ	52 UJ	63 UJ	57 UJ
Polychlorinated Biphenyls (ug/kg)								
Aroclor 1248	1,100 UJ	1,100 UJ	1,200 UJ	1,000 UJ	890 UJ	1,000 UJ	1,200 UJ	1,000 UJ
Aroclor 1254	**1,100 J**	**1,200 J**	1,200 UJ	**1,100 J**	**290 J**	1,000 UJ	**1,100 J**	**4,500 J**
Aroclor 1260	1,100 UJ	1,100 UJ	1,200 UJ	1,000 UJ	890 UJ	1,000 UJ	1,200 UJ	1,000 UJ
Total Organic Carbon (mg/kg)	**132,200**	**104,400**	NA	NA	NA	NA	**135,700**	**151,450**

Table 6
Historical Sediment Analytical Data - Pesticides and PCBs
Koppers Pond, Horseheads, New York

1. *Operable Unit 3 RI data are from Philip Environmental (March 1996).*
   1998 data are from CDM (February 1999).
2. *Only analytes detected in one or more samples are listed. Other pesticide and PCB analytes were not detected in any sediment sample above reporting limits.*
3. *For sampling locations, see Figure 3.*
4. *For clarity, all detections are shown in* ***bold-face type****.*
5. *All results are reported on a dry-weight basis.*
6. *Organic data qualifiers:*
   U - not detected at indicated reporting limit.
   J - analyte detected, but concentration is an estimated value because the result is less than the quantitation limit or quality control criteria were not met.
   P - percent difference between results from both columns was greater than 25 percent.
   N - compound is presumed to be present based on analytical evidence.

APPENDIX J

SUMMARY OF KOPPERS POND FISH SAMPLING DATA - 2003

CUMMINGS RITER

Table J-1
Fish Tissue Analytical Data - July 2003 Sampling
Koppers Pond, Horseheads, New York

Parameter	Concentration by Species and Sample Number						
	Common Carp					White Sucker	
	CC-1-LS	CC-2-LS	CC-3-LS	CC-4-RS	CC-5-RS	WS-1-LS	WS-2-LS
Polychlorinated Biphenyls (ug/kg)							
Aroclor 1248	**150**	200 U	**120 J**	250 U	100 U	**47 J**	50 U
Aroclor 1254	**530**	**1,000**	**1,300**	**2,000**	**570**	**590**	**310**
Aroclor 1260	**170**	**160 J**	**230 J**	**400**	**76 J**	**80 J**	**34 J**
Total PCBs	**850**	**1,160**	**1,650**	**2,400**	**646**	**717**	**344**
Metals (mg/kg)							
Aluminum	**4.5 B**	**4.4 B**	**3.1 B**	**4.8 B**	**3.1 B**	**8.0 B**	**4.2 B**
Antimony	**0.16 B**	1.3 U	1.3 U	**0.32 B**	1.3 U	1.4 U	1.5 U
Arsenic	1.5 U	1.3 U	1.3 U	1.5 U	1.3 U	1.4 U	1.5 U
Barium	**2.0**	**2.1**	**2.9**	**0.99**	**1.9**	**2.1**	**1.1**
Beryllium	0.30 U	0.27 U	0.26 U	0.29 U	0.26 U	0.29 U	0.30 U
Cadmium	**0.15 B**	**0.093 B**	**0.056 B**	**0.095 B**	**0.033 B**	**0.27 B**	0.30 U
Calcium	**4,200**	**4,600**	**6,800**	**3,900**	**4,700**	**6,800**	**4,800**
Chromium	**0.29 B**	**0.21 B**	**0.24 B**	**0.24 B**	**0.16 B**	**0.56**	**0.16 B**
Cobalt	0.50 U	0.45 U	0.43 U	0.49 U	0.44 U	0.48 U	0.50 U
Copper	**1.1**	**0.93**	**1.1**	**1.3**	**0.71 B**	**1.4**	**0.45 B**
Iron	**15 B**	**7.9 B**	**7.7 B**	**12 B**	**3.9 B**	**13 B**	**2.3 B**
Lead	**0.68 B**	**0.90**	**1.60**	**0.59 B**	**0.52 B**	**1.40**	**0.35 B**
Magnesium	**260**	**290**	**310**	**250**	**310**	**370**	**310**
Manganese	**2.0**	**0.40**	**0.52**	**1.6**	**0.47**	**0.24**	**0.40**
Mercury	**0.035**	**0.0087 B**	**0.0044 B**	**0.10 B**	**0.0044 B**	**0.0098 B**	**0.0086 B**
Nickel	0.99 U	0.89 U	0.87 U	0.98 U	0.88 U	0.95 U	0.99 U
Potassium	**2,900**	**2,900**	**2,700**	**1,800**	**3,100**	**3,500**	**3,200**
Selenium	**0.37 B**	**0.67 B**	**0.56 B**	**0.69 B**	**0.34 B**	**0.43 B**	**0.44 B**
Silver	0.49 U	0.44 U	0.43 U	0.48 U	0.45 U	**0.093 B**	0.50 U
Sodium	**730**	**710**	**770**	**990**	**750**	**690**	**690**
Zinc	**15**	**30**	**23**	**19**	**23**	**15**	**9.6**

See notes at end of table.

Table J-1
Fish Tissue Analytical Data - July 2003 Sampling
Koppers Pond, Horseheads, New York

Parameter	Concentration by Species and Sample Number						
	White Sucker			Largemouth Bass		Pumpkinseed	
	WS-3-LS	WS-4-RS	WS-5-RS	LB-1-RS	LB-2-RS	PS-1	PS-2
Polychlorinated Biphenyls (ug/kg)							
Aroclor 1248	100 U	210	200 U	50 U	29 J	63	86
Aroclor 1254	570	160	1,300	420	180	420	410
Aroclor 1260	74 J	38 J	200 J	86	58	77 J	99
Total PCBs	644	408	1,500	506	267	560	595
Metals (mg/kg)							
Aluminum	4.4 B	19 U	3.4 B	18 U	17 U	15 B	18 B
Antimony	1.3 U	1.4 U	0.45 B	1.4 U	1.3 U	0.27 B	0.28 B
Arsenic	1.3 U	1.4 U	1.4 U	1.4 U	1.3 U	1.5 U	1.5 U
Barium	0.6	1.3	1.5	0.43	0.71	2.3	3.1
Beryllium	0.26 U	0.28 U	0.28 U	0.27 U	0.26 U	0.30 U	0.30 U
Cadmium	0.053 B	0.28 U	0.030 B	0.27 U	0.26 U	0.14 B	0.54
Calcium	1,300	3,800	7,100	5,800	7,300	12,000	16,000
Chromium	0.17 B	0.16 B	0.3	0.13 B	0.23 B	0.58	1.0
Cobalt	0.43 U	0.47 U	0.46 U	0.45 U	0.43 U	0.065 B	0.50 U
Copper	0.67 B	0.57 B	1.1	0.51 B	0.67 B	2.2	1.5
Iron	4.7 B	4.1 B	8.8 B	3.3 B	3.0 B	21	29
Lead	0.56 B	0.32 B	0.55 B	0.19 B	0.17 B	1.1	2.1
Magnesium	280	310	360	300	320	390	470
Manganese	0.15 B	0.25	0.24	0.11 B	0.18	1.1	1.1
Mercury	0.0041 B	0.012	0.0045 B	0.056	0.091	0.011	0.0095 B
Nickel	0.85 U	0.93 U	0.24 B	0.91 U	0.85 U	0.23 B	0.38 B
Potassium	3,400	3,200	3,300	3,100	2,900	2,700	2,700
Selenium	0.59 B	0.43 B	0.55 B	0.47 B	1.3 U	0.64 B	0.80 B
Silver	0.50 U	0.47 U	0.47 U	0.49 U	0.43 U	0.50 U	0.064 B
Sodium	560	640	790	790	800	940	1,000
Zinc	8.4	10	11	9.6	8.0	27	33

See notes at end of table.

Table J-1
Fish Tissue Analytical Data - July 2003 Sampling
Koppers Pond, Horseheads, New York

Parameter	Concentration by Species and Sample Number					
	Pumpkinseed				Black Crappie	
	PS-3	PS-4	PS-5	PS-6	BC-1-RS	BC-2-RS
Polychlorinated Biphenyls (ug/kg)						
Aroclor 1248	140 U	**1,100**	50 U	100 U	50 U	50 U
Aroclor 1254	**950**	200 U	**200**	**670**	**220**	**490**
Aroclor 1260	**330**	**82 J**	**140**	**200**	**130**	**120**
Total PCBs	**1,280**	**1,182**	**340**	**870**	**350**	**610**
Metals (mg/kg)						
Aluminum	**12 B**	**14 B**	**70**	**7.2 B**	**3.2 B**	**3.3 B**
Antimony	**0.26 B**	**0.17 B**	**0.28 B**	**0.35 B**	**0.33 B**	1.2 U
Arsenic	1.3 U	1.3 U	**0.33 B**	1.4 U	1.3 U	1.2 U
Barium	**3.1**	**2.7**	**3.8**	**1.7**	**2.4**	**3.8**
Beryllium	0.26 U	0.26 U	0.25 U	0.29 U	0.27 U	0.25 U
Cadmium	**0.084 B**	**0.11 B**	**0.42**	**0.090 B**	0.27 U	**0.088 B**
Calcium	**16,000**	**15,000**	**16,000**	**18,000**	**18,000**	**20,000**
Chromium	**0.60**	**0.69**	**0.74**	**0.50**	**0.35**	**0.46**
Cobalt	0.44 U	0.44 U	**0.13 B**	0.48 U	0.44 U	0.42 U
Copper	**0.76 B**	**0.98**	**1.3**	**0.52 B**	**0.48 B**	**0.46 B**
Iron	**26**	**24**	**220**	**18**	**7.8 B**	**9.5 B**
Lead	**1.1**	**1.2**	**1.6**	**1.0**	**0.63 B**	**0.64 B**
Magnesium	**440**	**440**	**450**	**440**	**490**	**510**
Manganese	**1.0**	**1.6**	**5.8**	**0.6**	**1.9**	**1.8**
Mercury	**0.0087 B**	**0.013**	**0.019**	**0.038**	**0.047**	**0.022**
Nickel	0.88 U	**0.31 B**	**0.35 B**	0.95 U	**0.24 B**	0.83 U
Potassium	**2,500**	**2,600**	**2,300**	**2,400**	**2,500**	**2,300**
Selenium	**0.58 B**	**0.61 B**	**0.84 B**	**0.39 B**	**0.56 B**	**0.80 B**
Silver	0.50 U	0.43 U	**0.097 B**	0.45 U	0.47 U	0.45 U
Sodium	**1,400**	**1,100**	**1,400**	**1,300**	**1,100**	**970**
Zinc	**27**	**27**	**28**	**27**	**24**	**29**

See notes at end of table.

Table J-1
Fish Tissue Analytical Data - July 2003 Sampling
Koppers Pond, Horseheads, New York

Parameter	Concentration by Species and Sample Number			
	Black Crappie	Green Sunfish		
	BC-3-RS	GS-1-RS	GS-2-RS	GS-3-RS
Polychlorinated Biphenyls (ug/kg)				
Aroclor 1248	**52**	50 U	50 U	**56**
Aroclor 1254	**480**	**360**	**480**	**240**
Aroclor 1260	**110**	**94**	**130**	**110**
Total PCBs	**642**	**454**	**610**	**406**
Metals (mg/kg)				
Aluminum	17 U	20 U	**23**	**14 B**
Antimony	1.2 U	**0.37 B**	1.3 U	1.3 U
Arsenic	1.2 U	1.5 U	1.3 U	1.3 U
Barium	**3.3**	**4.0**	**1.7**	**2.0**
Beryllium	0.25 U	0.30 U	0.27 U	0.27 U
Cadmium	**0.030 B**	**0.051 B**	**0.30**	**0.12 B**
Calcium	**15,000**	**18,000**	**12,000**	**13,000**
Chromium	**0.35**	**0.42**	**0.40**	**0.58**
Cobalt	0.42 U	0.50 U	**0.11 B**	**0.14 B**
Copper	**0.56 B**	**0.56 B**	**0.78 B**	**0.82 B**
Iron	**9.2 B**	**7.3 B**	**52**	**35**
Lead	**0.34 B**	**0.63 B**	**0.91**	**0.99**
Magnesium	**450**	**490**	**400**	**400**
Manganese	**1.6**	**1.9**	**1.6**	**1.1**
Mercury	**0.012**	**0.015**	**0.052**	**0.037**
Nickel	0.83 U	0.99 U	**0.20 B**	**0.30 B**
Potassium	**2,500**	**2,400**	**2,500**	**2,400**
Selenium	**0.62 B**	**0.52 B**	**0.58 B**	**0.96 B**
Silver	0.46 U	0.44 U	0.42 U	0.43 U
Sodium	**940**	**990**	**1,100**	**1,200**
Zinc	**28**	**32**	**32**	**22**

See notes at end of table.

Table J-1
Fish Tissue Analytical Data - July 2003 Sampling
Koppers Pond, Horseheads, New York

1. *Data from CEC (July 2003). See Table 1 of that report for inventory of fish samples, including sample numbers, species, weight, and length.*
2. *Only analytes detected in one or more samples are listed. Other analytes were not detected in any sample above reporting limits.*
3. *For clarity, all detections are shown in* ***bold-face type****.*
4. *Organic data qualifiers:*
   U - not detected at indicated detection limit.
   J - analyte detected, but concentration is an estimated value because the result is less than the quantitation limit or quality control criteria were not met.
5. *Inorganic data qualifiers:*
   U - not detected at indicated detection limit.
   B - detected concentration below quantitation limit but above instrument detection limit.

APPENDIX J

SUMMARY OF KOPPERS POND FISH SAMPLING DATA - 2003

CUMMINGS RITER

Table J-1
Fish Tissue Analytical Data - July 2003 Sampling
Koppers Pond, Horseheads, New York

Parameter	Concentration by Species and Sample Number						
	Common Carp					White Sucker	
	CC-1-LS	CC-2-LS	CC-3-LS	CC-4-RS	CC-5-RS	WS-1-LS	WS-2-LS
Polychlorinated Biphenyls (ug/kg)							
Aroclor 1248	**150**	200 U	**120 J**	250 U	100 U	**47 J**	50 U
Aroclor 1254	**530**	**1,000**	**1,300**	**2,000**	**570**	**590**	**310**
Aroclor 1260	**170**	**160 J**	**230 J**	**400**	**76 J**	**80 J**	**34 J**
Total PCBs	**850**	**1,160**	**1,650**	**2,400**	**646**	**717**	**344**
Metals (mg/kg)							
Aluminum	**4.5 B**	**4.4 B**	**3.1 B**	**4.8 B**	**3.1 B**	**8.0 B**	**4.2 B**
Antimony	**0.16 B**	1.3 U	1.3 U	**0.32 B**	1.3 U	1.4 U	1.5 U
Arsenic	1.5 U	1.3 U	1.3 U	1.5 U	1.3 U	1.4 U	1.5 U
Barium	**2.0**	**2.1**	**2.9**	**0.99**	**1.9**	**2.1**	**1.1**
Beryllium	0.30 U	0.27 U	0.26 U	0.29 U	0.26 U	0.29 U	0.30 U
Cadmium	**0.15 B**	**0.093 B**	**0.056 B**	**0.095 B**	**0.033 B**	**0.27 B**	0.30 U
Calcium	**4,200**	**4,600**	**6,800**	**3,900**	**4,700**	**6,800**	**4,800**
Chromium	**0.29 B**	**0.21 B**	**0.24 B**	**0.24 B**	**0.16 B**	**0.56**	**0.16 B**
Cobalt	0.50 U	0.45 U	0.43 U	0.49 U	0.44 U	0.48 U	0.50 U
Copper	**1.1**	**0.93**	**1.1**	**1.3**	**0.71 B**	**1.4**	**0.45 B**
Iron	**15 B**	**7.9 B**	**7.7 B**	**12 B**	**3.9 B**	**13 B**	**2.3 B**
Lead	**0.68 B**	**0.90**	**1.60**	**0.59 B**	**0.52 B**	**1.40**	**0.35 B**
Magnesium	**260**	**290**	**310**	**250**	**310**	**370**	**310**
Manganese	**2.0**	**0.40**	**0.52**	**1.6**	**0.47**	**0.24**	**0.40**
Mercury	**0.035**	**0.0087 B**	**0.0044 B**	**0.10 B**	**0.0044 B**	**0.0098 B**	**0.0086 B**
Nickel	0.99 U	0.89 U	0.87 U	0.98 U	0.88 U	0.95 U	0.99 U
Potassium	**2,900**	**2,900**	**2,700**	**1,800**	**3,100**	**3,500**	**3,200**
Selenium	**0.37 B**	**0.67 B**	**0.56 B**	**0.69 B**	**0.34 B**	**0.43 B**	**0.44 B**
Silver	0.49 U	0.44 U	0.43 U	0.48 U	0.45 U	**0.093 B**	0.50 U
Sodium	**730**	**710**	**770**	**990**	**750**	**690**	**690**
Zinc	**15**	**30**	**23**	**19**	**23**	**15**	**9.6**

See notes at end of table.

Table J-1
Fish Tissue Analytical Data - July 2003 Sampling
Koppers Pond, Horseheads, New York

Parameter	Concentration by Species and Sample Number						
	White Sucker			Largemouth Bass		Pumpkinseed	
	WS-3-LS	WS-4-RS	WS-5-RS	LB-1-RS	LB-2-RS	PS-1	PS-2
Polychlorinated Biphenyls (ug/kg)							
Aroclor 1248	100 U	210	200 U	50 U	29 J	63	86
Aroclor 1254	570	160	1,300	420	180	420	410
Aroclor 1260	74 J	38 J	200 J	86	58	77 J	99
Total PCBs	644	408	1,500	506	267	560	595
Metals (mg/kg)							
Aluminum	4.4 B	19 U	3.4 B	18 U	17 U	15 B	18 B
Antimony	1.3 U	1.4 U	0.45 B	1.4 U	1.3 U	0.27 B	0.28 B
Arsenic	1.3 U	1.4 U	1.4 U	1.4 U	1.3 U	1.5 U	1.5 U
Barium	0.6	1.3	1.5	0.43	0.71	2.3	3.1
Beryllium	0.26 U	0.28 U	0.28 U	0.27 U	0.26 U	0.30 U	0.30 U
Cadmium	0.053 B	0.28 U	0.030 B	0.27 U	0.26 U	0.14 B	0.54
Calcium	1,300	3,800	7,100	5,800	7,300	12,000	16,000
Chromium	0.17 B	0.16 B	0.3	0.13 B	0.23 B	0.58	1.0
Cobalt	0.43 U	0.47 U	0.46 U	0.45 U	0.43 U	0.065 B	0.50 U
Copper	0.67 B	0.57 B	1.1	0.51 B	0.67 B	2.2	1.5
Iron	4.7 B	4.1 B	8.8 B	3.3 B	3.0 B	21	29
Lead	0.56 B	0.32 B	0.55 B	0.19 B	0.17 B	1.1	2.1
Magnesium	280	310	360	300	320	390	470
Manganese	0.15 B	0.25	0.24	0.11 B	0.18	1.1	1.1
Mercury	0.0041 B	0.012	0.0045 B	0.056	0.091	0.011	0.0095 B
Nickel	0.85 U	0.93 U	0.24 B	0.91 U	0.85 U	0.23 B	0.38 B
Potassium	3,400	3,200	3,300	3,100	2,900	2,700	2,700
Selenium	0.59 B	0.43 B	0.55 B	0.47 B	1.3 U	0.64 B	0.80 B
Silver	0.50 U	0.47 U	0.47 U	0.49 U	0.43 U	0.50 U	0.064 B
Sodium	560	640	790	790	800	940	1,000
Zinc	8.4	10	11	9.6	8.0	27	33

See notes at end of table.

Table J-1
Fish Tissue Analytical Data - July 2003 Sampling
Koppers Pond, Horseheads, New York

Parameter	Concentration by Species and Sample Number					
	Pumpkinseed				Black Crappie	
	PS-3	PS-4	PS-5	PS-6	BC-1-RS	BC-2-RS
Polychlorinated Biphenyls (ug/kg)						
Aroclor 1248	140 U	**1,100**	50 U	100 U	50 U	50 U
Aroclor 1254	**950**	200 U	**200**	**670**	**220**	**490**
Aroclor 1260	**330**	**82 J**	**140**	**200**	**130**	**120**
Total PCBs	**1,280**	**1,182**	**340**	**870**	**350**	**610**
Metals (mg/kg)						
Aluminum	**12 B**	**14 B**	**70**	**7.2 B**	**3.2 B**	**3.3 B**
Antimony	**0.26 B**	**0.17 B**	**0.28 B**	**0.35 B**	**0.33 B**	1.2 U
Arsenic	1.3 U	1.3 U	**0.33 B**	1.4 U	1.3 U	1.2 U
Barium	**3.1**	**2.7**	**3.8**	**1.7**	**2.4**	**3.8**
Beryllium	0.26 U	0.26 U	0.25 U	0.29 U	0.27 U	0.25 U
Cadmium	**0.084 B**	**0.11 B**	**0.42**	**0.090 B**	0.27 U	**0.088 B**
Calcium	**16,000**	**15,000**	**16,000**	**18,000**	**18,000**	**20,000**
Chromium	**0.60**	**0.69**	**0.74**	**0.50**	**0.35**	**0.46**
Cobalt	0.44 U	0.44 U	**0.13 B**	0.48 U	0.44 U	0.42 U
Copper	**0.76 B**	**0.98**	**1.3**	**0.52 B**	**0.48 B**	**0.46 B**
Iron	**26**	**24**	**220**	**18**	**7.8 B**	**9.5 B**
Lead	**1.1**	**1.2**	**1.6**	**1.0**	**0.63 B**	**0.64 B**
Magnesium	**440**	**440**	**450**	**440**	**490**	**510**
Manganese	**1.0**	**1.6**	**5.8**	**0.6**	**1.9**	**1.8**
Mercury	**0.0087 B**	**0.013**	**0.019**	**0.038**	**0.047**	**0.022**
Nickel	0.88 U	**0.31 B**	**0.35 B**	0.95 U	**0.24 B**	0.83 U
Potassium	**2,500**	**2,600**	**2,300**	**2,400**	**2,500**	**2,300**
Selenium	**0.58 B**	**0.61 B**	**0.84 B**	**0.39 B**	**0.56 B**	**0.80 B**
Silver	0.50 U	0.43 U	**0.097 B**	0.45 U	0.47 U	0.45 U
Sodium	**1,400**	**1,100**	**1,400**	**1,300**	**1,100**	**970**
Zinc	**27**	**27**	**28**	**27**	**24**	**29**

See notes at end of table.

Table J-1
Fish Tissue Analytical Data - July 2003 Sampling
Koppers Pond, Horseheads, New York

Parameter	Concentration by Species and Sample Number			
	Black Crappie	Green Sunfish		
	BC-3-RS	GS-1-RS	GS-2-RS	GS-3-RS
Polychlorinated Biphenyls (ug/kg)				
Aroclor 1248	**52**	50 U	50 U	**56**
Aroclor 1254	**480**	**360**	**480**	**240**
Aroclor 1260	**110**	**94**	**130**	**110**
Total PCBs	**642**	**454**	**610**	**406**
Metals (mg/kg)				
Aluminum	17 U	20 U	**23**	**14 B**
Antimony	1.2 U	**0.37 B**	1.3 U	1.3 U
Arsenic	1.2 U	1.5 U	1.3 U	1.3 U
Barium	**3.3**	**4.0**	**1.7**	**2.0**
Beryllium	0.25 U	0.30 U	0.27 U	0.27 U
Cadmium	**0.030 B**	**0.051 B**	**0.30**	**0.12 B**
Calcium	**15,000**	**18,000**	**12,000**	**13,000**
Chromium	**0.35**	**0.42**	**0.40**	**0.58**
Cobalt	0.42 U	0.50 U	**0.11 B**	**0.14 B**
Copper	**0.56 B**	**0.56 B**	**0.78 B**	**0.82 B**
Iron	**9.2 B**	**7.3 B**	**52**	**35**
Lead	**0.34 B**	**0.63 B**	**0.91**	**0.99**
Magnesium	**450**	**490**	**400**	**400**
Manganese	**1.6**	**1.9**	**1.6**	**1.1**
Mercury	**0.012**	**0.015**	**0.052**	**0.037**
Nickel	0.83 U	0.99 U	**0.20 B**	**0.30 B**
Potassium	**2,500**	**2,400**	**2,500**	**2,400**
Selenium	**0.62 B**	**0.52 B**	**0.58 B**	**0.96 B**
Silver	0.46 U	0.44 U	0.42 U	0.43 U
Sodium	**940**	**990**	**1,100**	**1,200**
Zinc	**28**	**32**	**32**	**22**

See notes at end of table.

Table J-1
Fish Tissue Analytical Data - July 2003 Sampling
Koppers Pond, Horseheads, New York

1. *Data from CEC (July 2003). See Table 1 of that report for inventory of fish samples, including sample numbers, species, weight, and length.*
2. *Only analytes detected in one or more samples are listed. Other analytes were not detected in any sample above reporting limits.*
3. *For clarity, all detections are shown in* ***bold-face type****.*
4. *Organic data qualifiers:*
   U - not detected at indicated detection limit.
   J - analyte detected, but concentration is an estimated value because the result is less than the quantitation limit or quality control criteria were not met.
5. *Inorganic data qualifiers:*
   U - not detected at indicated detection limit.
   B - detected concentration below quantitation limit but above instrument detection limit.